

massive



Home lighting at your convenience **2014**

# Massive lighting

**Welcome home to Massive in 2014** – Massive offers style, quality and ease of use at prices that suit your pocket for lighting you will love! From warm and inviting decorative lighting to clear and safe functional lighting, Massive offers plenty of choice for your home and garden. Quality and peace-of-mind is assured thanks to European styling and build that meets all safety regulations and standards. And don't forget that many Massive lamps include high quality Philips light bulbs, for long-lasting light that brings atmosphere and warmth to your home. Massive makes everything super easy too. On-pack diagrams explain how and where to use each lamp, helping you pick the perfect product, while simple step-by-step instructions make installation as easy as 1-2-3. At popular prices that suit your pocket, Massive is the home and garden lighting brand you can rely on every day for great quality, choice and value for money. Stylish, easy and affordable – that's the promise of Massive home lighting!

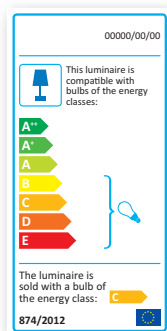


# EU policy on Energy Label for lamps and luminaires

## EU 874/2012

### What is it?

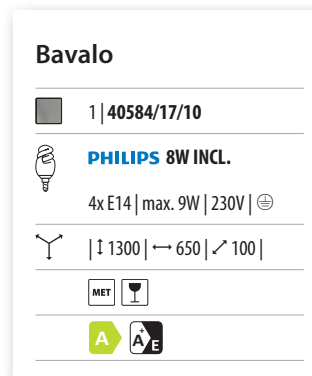
With regulation (EU) no. 874/2012 regarding energy labelling of electrical lamps and luminaires it is required that our consumers - the end users, are informed about the energy efficiency of our products. The EEL conformity will be in place from 01.09.2013 (for Lamps) and 01.03.2014 (for Luminaires).



### Our approach:

How we translate this in this catalogue

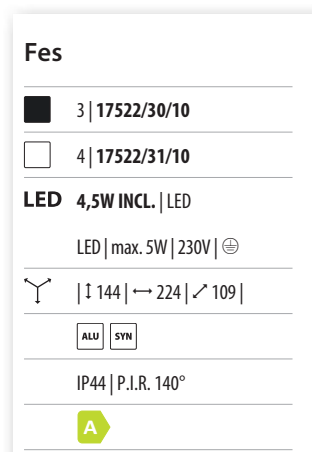
example 1



The luminaire is sold with a bulb of the energy class mentioned

This luminaire is also compatible with bulbs for the range of energy classes mentioned (in this example A+-A-B-C-D-E)

example 2



This luminaire contains built-in LED lamps.  
The lamps cannot be changed in the luminaire.

# Index

## Interior collection

|                    |     |
|--------------------|-----|
| 1   Decorative     | 9   |
| 2   Wall & Ceiling | 49  |
| 3   Spots          | 75  |
| 4   Recessed spots | 117 |

## Outdoor collection

|             |     |
|-------------|-----|
| 5   Outdoor | 127 |
|-------------|-----|

|                                   |     |
|-----------------------------------|-----|
| Numeric index & technical section | 170 |
|-----------------------------------|-----|





Interior collection

---



# Massive

## lifestyle in lighting

---

The different rooms in your home require different types of lighting. Massive has them all, with a wide choice and careful attention to detail that means you'll always find exactly what you need. There are ceiling and wall lights for general and decorative illumination, spotlights for highlighting details, recessed lights that blend beautifully with your décor, and a range of matching table and floor lamps.

Massive offers different lighting types too, including energy saver, fluorescent, powerful LED, and brilliant halogen. All have Massive's promise of European styling and quality, and many include high quality Philips light bulbs, for reliable lighting that brings atmosphere and warmth to your home. Massive's big mix of luminaires and lighting types makes a Massive lamp the right choice every time!



Decorative

---



## Callas

|                                                                                     |                                                                                     |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|   | 1   38050/11/10                                                                     |
|   | <b>PHILIPS 28W INCL.</b><br>5x G9   max. 40W   230V   $\oplus$                      |
|   | T 155   $\leftrightarrow$ 485   $\nearrow$ 485                                      |
|  |  |
|  |  |

## Callas

|                                                                                     |                                                                                     |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|  | 2   38051/11/10                                                                     |
|  | <b>PHILIPS 28W INCL.</b><br>4x G9   max. 40W   230V   $\oplus$                      |
|  | T 1200   $\leftrightarrow$ 930   $\nearrow$ 123                                     |
|  |  |
|  |  |



Save energy 



## Callas

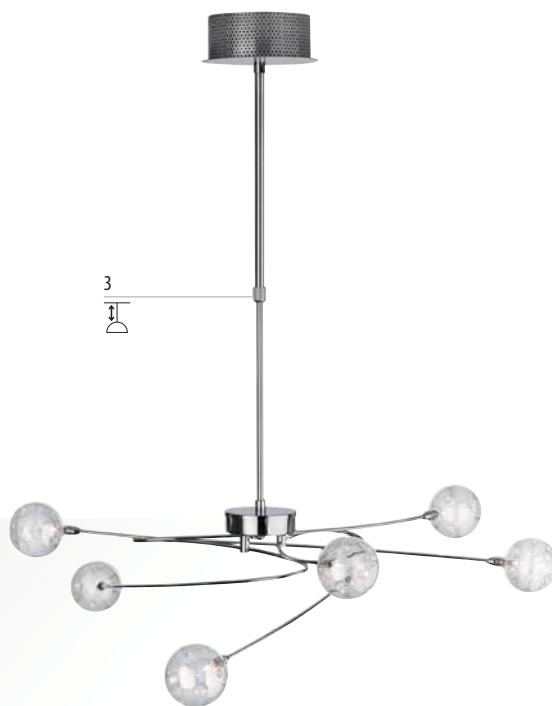
|                                                                                     |                                                                                                                                           |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------|
|  | 1   38052/11/10                                                                                                                           |
|  | <b>PHILIPS 28W INCL.</b><br>1x G9   max. 40W   230V    |
|  | ↑ 160   ↔ 160   ↗ 150                                                                                                                     |
|  |                                                        |
|  |                                                        |

## Callas

|                                                                                     |                                                                                                                                           |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------|
|  | 2   38053/11/10                                                                                                                           |
|  | <b>PHILIPS 28W INCL.</b><br>3x G9   max. 40W   230V    |
|  | ↑ 1540   ↔ 260   ↗ 270                                                                                                                    |
|  |                                                        |
|  |                                                        |

## Primo

|                                                                                     |                                                                                                                                               |
|-------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|
|  | 3   40866/11/10                                                                                                                               |
|  | <b>PHILIPS 50W INCL.</b><br>3x GU10   max. 50W   230V    |
|  | ↑ 1300   ↔ 620   ↗ 100                                                                                                                        |
|  |                                                            |
|  |                                                            |



### Glinka

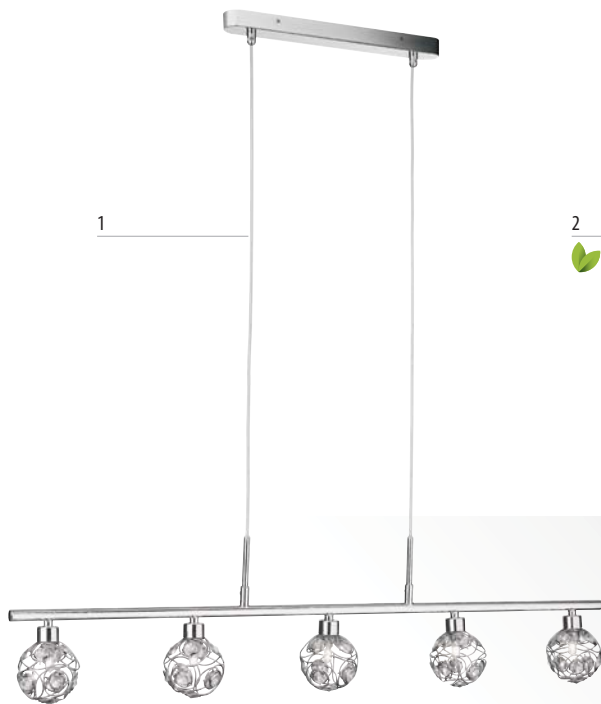
|                                                                                     |                                                                                     |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|   | 1   40785/11/10                                                                     |
|   | <b>PHILIPS 28W INCL.</b>                                                            |
|                                                                                     | 4x G9   max. 28W   230V   ⊕                                                         |
|   | ↓ 1500   ↔ 850   ↗ 140                                                              |
|  |  |
|  |  |

### Sigmund

|                                                                                     |                                                                                     |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|  | 2   40805/11/10                                                                     |
|  | <b>PHILIPS 20W INCL.</b>                                                            |
|                                                                                     | 5x G4   max. 20W   230V   ⊕                                                         |
|  | ↑ 160   ↔ 800   ↗ 360                                                               |
|  |  |
|  |  |

### Sigmund

|                                                                                     |                                                                                     |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|  | 3   40807/11/10                                                                     |
|  | <b>PHILIPS 20W INCL.</b>                                                            |
|                                                                                     | 6x G4   max. 20W   230V   ⊕                                                         |
|  | ↑ 845   ↔ 770   ↗ 770                                                               |
|  |  |
|  |  |



2



### Colijn

|   |                             |
|---|-----------------------------|
| 1 | 37851/11/10                 |
|   | PHILIPS 28W INCL.           |
|   | 5x G9   max. 42W   230V   ⊕ |
|   | ↑ 1200   ↔ 945   ↗ 800      |
|   |                             |
|   |                             |

### Colijn

|   |                             |
|---|-----------------------------|
| 2 | 37853/11/10                 |
|   | PHILIPS 28W INCL.           |
|   | 5x G9   max. 42W   230V   ⊕ |
|   | ↑ 132   ↔ 300   ↗ 300       |
|   |                             |
|   |                             |

### Coppi

|   |                             |
|---|-----------------------------|
| 3 | 40822/11/10                 |
|   | PHILIPS 28W INCL.           |
|   | 6x G9   max. 28W   230V   ⊕ |
|   | ↑ 1250   ↔ 1105   ↗ 80      |
|   |                             |
|   |                             |

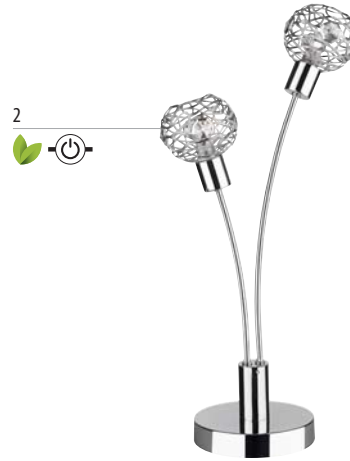
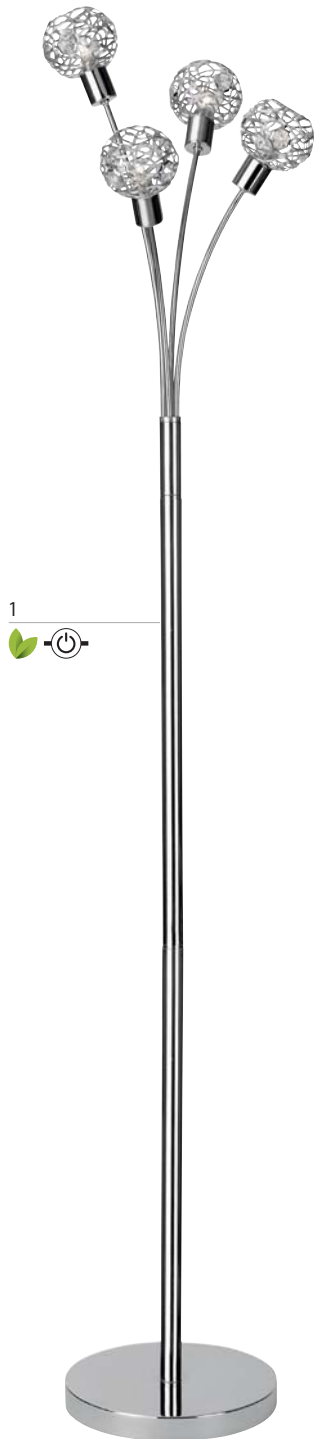


### Salvador

|                                                                                     |                                                                                     |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|   | 1   40810/11/10                                                                     |
|   | <b>PHILIPS 28W INCL.</b><br>8x G9   max. 28W   230V   $\oplus$                      |
|   | $\downarrow$ 1250   $\leftrightarrow$ 1075   $\nearrow$ 480                         |
|  |  |
|  |  |

### Salvador

|                                                                                     |                                                                                     |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|  | 2   40811/11/10                                                                     |
|  | <b>PHILIPS 28W INCL.</b><br>6x G9   max. 28W   230V   $\oplus$                      |
|  | $\uparrow$ 430   $\leftrightarrow$ 560   $\nearrow$ 515                             |
|  |  |
|  |  |



Save energy 



### Salvador

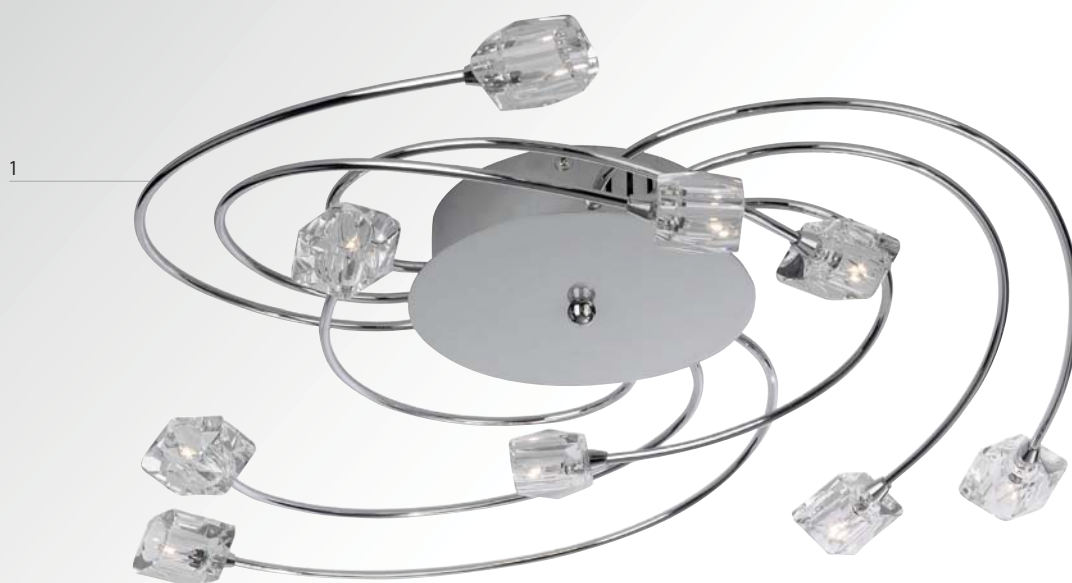
|                                                                                     |                                                                                                               |
|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------|
|  | 1   42811/11/10                                                                                               |
|  | <b>PHILIPS 28W INCL.</b>                                                                                      |
|                                                                                     | 4x G9   max. 28W   230V    |
|  | 1610   330   280                                                                                              |
|  |                            |
|  |                            |

### Salvador

|                                                                                     |                                                                                                               |
|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------|
|  | 2   43811/11/10                                                                                               |
|  | <b>PHILIPS 28W INCL.</b>                                                                                      |
|                                                                                     | 2x G9   max. 28W   230V    |
|  | 500   230   140                                                                                               |
|  |                            |
|  |                            |

### Salvador

|                                                                                     |                                                                                                                 |
|-------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|
|  | 3   45811/11/10                                                                                                 |
|  | <b>PHILIPS 28W INCL.</b>                                                                                        |
|                                                                                     | 2x G9   max. 28W   230V    |
|  | 410   300   80                                                                                                  |
|  |                              |
|  |                              |



### Catilina

|                                                                                     |                                                                                     |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|   | 1   37691/11/10                                                                     |
|   | <b>PHILIPS 20W INCL.</b><br>9x G4   max. 20W   230V   $\oplus$                      |
|   | T 130   $\leftrightarrow$ 585   $\nearrow$ 535                                      |
|  |  |
|  |  |

### Catilina

|                                                                                     |                                                                                     |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|  | 2   37692/11/10                                                                     |
|  | <b>PHILIPS 20W INCL.</b><br>3x G4   max. 20W   230V   $\oplus$                      |
|  | T 380   $\leftrightarrow$ 270   $\nearrow$ 140                                      |
|  |  |
|  |  |



### Catilina

|   |                         |
|---|-------------------------|
| 1 | 37698/11/10             |
|   | PHILIPS 20W INCL.       |
|   | 3x G4   max. 20W   230V |
|   | 1 423   ↔ 170   ↗ 180   |
|   |                         |
|   |                         |

### Catilina

|   |                         |
|---|-------------------------|
| 2 | 37703/11/10             |
|   | PHILIPS 20W INCL.       |
|   | 9x G4   max. 20W   230V |
|   | 1 1200   ↔ 600   ↗ 600  |
|   |                         |
|   |                         |

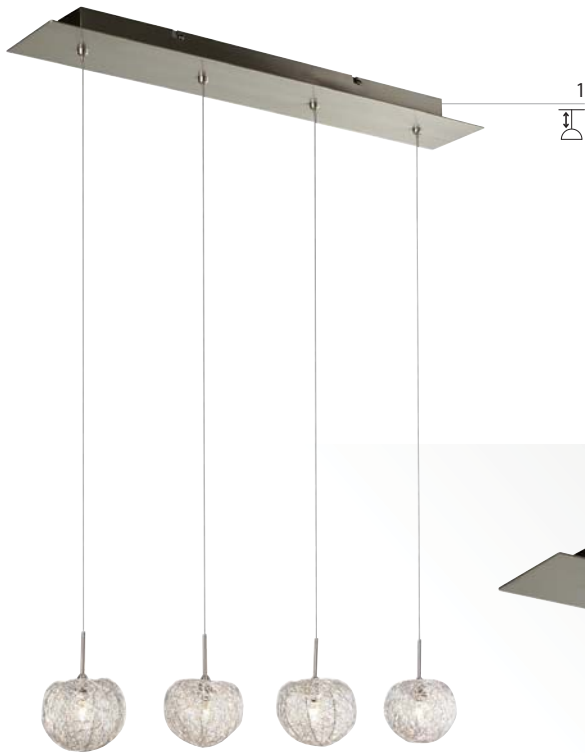


### Barbarossa

|                                                                                     |                                                                                     |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|   | 1   41848/11/10                                                                     |
|   | 10W INCL.<br>10x G4   max. 10W   $\frac{230V}{-12V}$   $\oplus$                     |
|   | $\downarrow$ 1300   $\leftrightarrow$ 540   $\nearrow$ 540                          |
|  |  |
|  |  |

### Barbarossa

|                                                                                     |                                                                                     |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|  | 2   41849/11/10                                                                     |
|  | 10W INCL.<br>15x G4   max. 10W   $\frac{230V}{-12V}$   $\oplus$                     |
|  | $\downarrow$ 1300   $\leftrightarrow$ 800   $\nearrow$ 800                          |
|  |  |
|  |  |



2



## Fontaine

1 | 41850/17/10

20W INCL.  
4x G4 | max. 20W | 230V-12V | □

Y | ↓ 1500 | ↔ 625 | ↗ 110 |

MET



## Fontaine

2 | 41851/17/10

20W INCL.  
6x G4 | max. 20W | 230V-12V | □

Y | ↓ 1500 | ↔ 950 | ↗ 110 |

MET





## Dosel

|                              |                        |
|------------------------------|------------------------|
| ■                            | 1   36230/17/10        |
| 1x E27   max. 75W   230V   ⊕ |                        |
| Y                            | ↓ 1300   ↔ 215   ↗ 215 |
| MET                          | ⚠                      |
| Ä                            | E                      |

## Dosel

|                              |                        |
|------------------------------|------------------------|
| ■                            | 2   36231/17/10        |
| 1x E27   max. 75W   230V   ⊕ |                        |
| Y                            | ↓ 1350   ↔ 300   ↗ 300 |
| MET                          | ⚠                      |
| Ä                            | E                      |

## Ohm

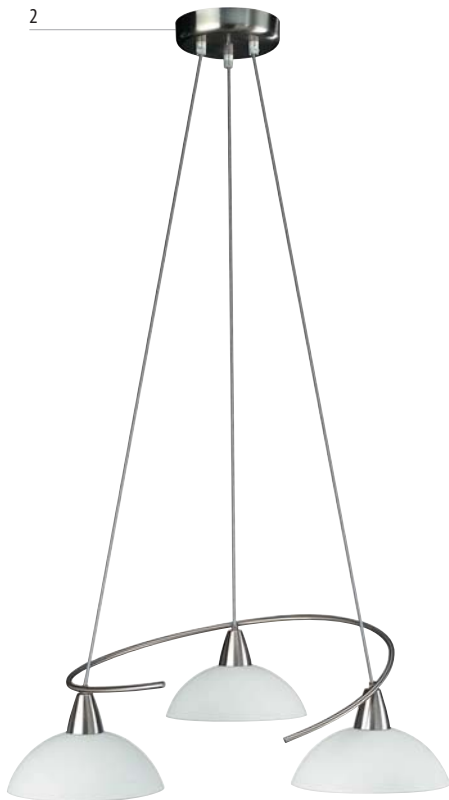
|                              |                        |
|------------------------------|------------------------|
| ■                            | 3   36235/17/10        |
| 1x E27   max. 75W   230V   ⊕ |                        |
| Y                            | ↓ 1350   ↔ 170   ↗ 170 |
| MET                          | ⚠                      |
| Ä                            | E                      |

## Dosel

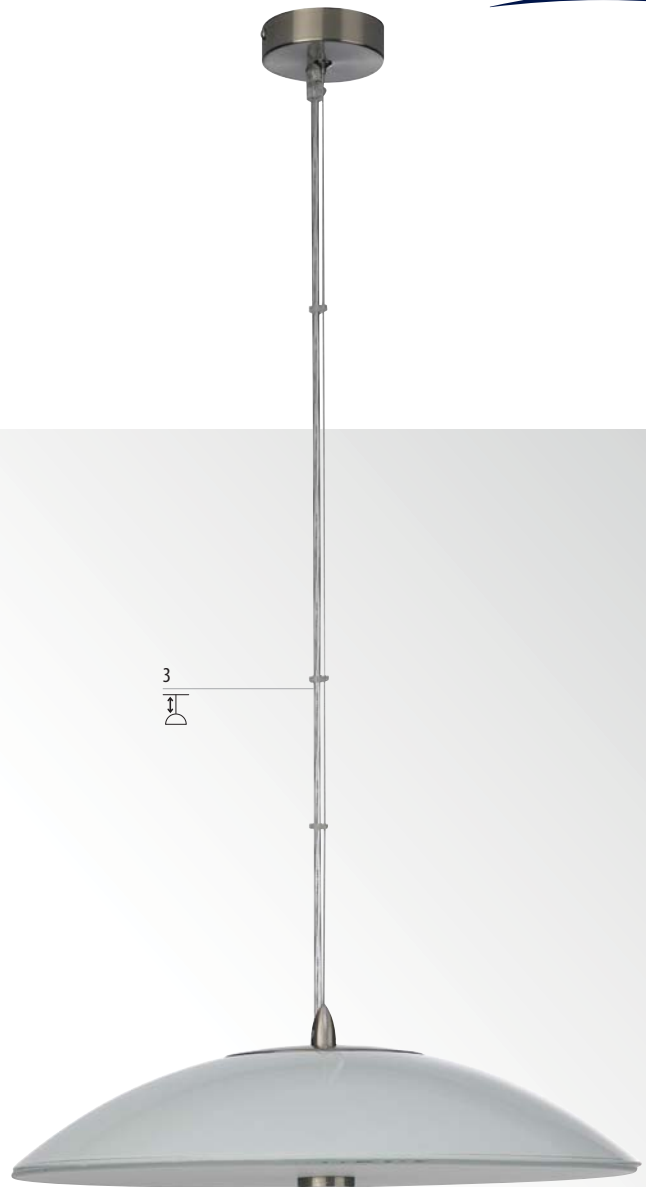
|                              |                        |
|------------------------------|------------------------|
| ■                            | 4   40194/17/10        |
| 3x E27   max. 75W   230V   ⊕ |                        |
| Y                            | ↓ 1500   ↔ 945   ↗ 210 |
| MET                          | ⚠                      |
| Ä                            | E                      |



1



2



3

### Remero

|   |                              |
|---|------------------------------|
| ■ | 1   5977/01/17               |
|   | 1x E27   max. 75W   230V   ☐ |
| Y | ↓ 1300   ↔ 400   ↗ 400       |
|   | MET                          |
|   | AE                           |

### Amala

|   |                              |
|---|------------------------------|
| ■ | 2   40085/17/10              |
|   | 3x E14   max. 40W   230V   ⊕ |
| Y | ↓ 1500   ↔ 560   ↗ 560       |
|   | MET                          |
|   | AE                           |

### Claus

|   |                              |
|---|------------------------------|
| ■ | 3   40842/17/10              |
|   | 3x E14   max. 40W   230V   ⊕ |
| Y | ↓ 1045   ↔ 435   ↗ 435       |
|   | MET                          |
|   | AE                           |



1



2



### Draco

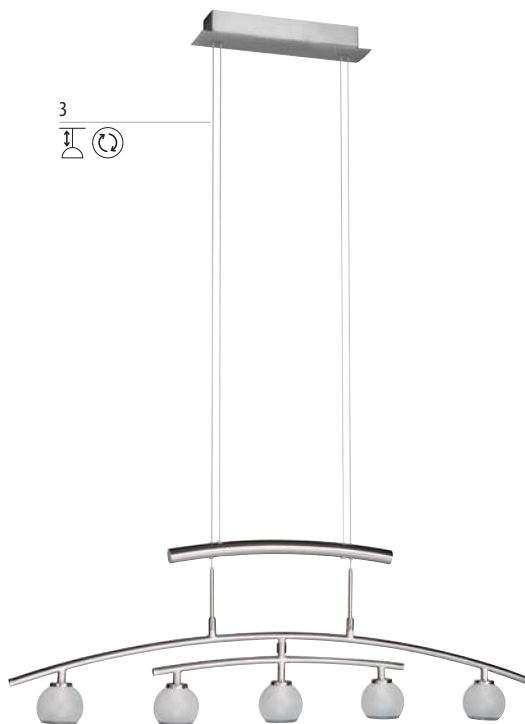
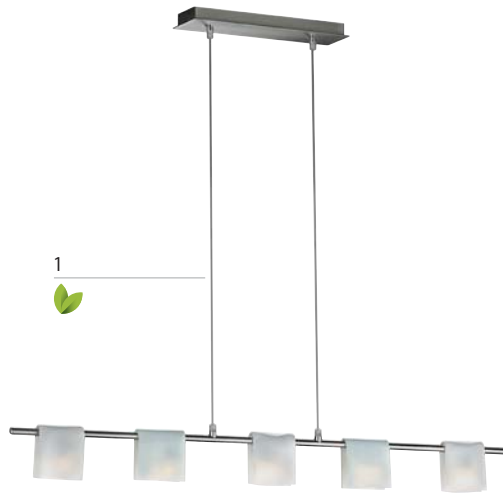
|                          |                              |
|--------------------------|------------------------------|
| <input type="checkbox"/> | 1   37165/31/10              |
|                          | <b>PHILIPS 8W INCL.</b>      |
|                          | 3x E14   max. 60W   230V   ⚡ |
|                          | ↓ 1500   ↔ 260   ↗ 260       |
|                          |                              |
|                          |                              |

### Kasavu

|                          |                              |
|--------------------------|------------------------------|
| <input type="checkbox"/> | 2   37460/31/10              |
|                          | <b>PHILIPS 11W INCL.</b>     |
|                          | 1x E27   max. 11W   230V   ⚡ |
|                          | ↓ 1500   ↔ 120   ↗ 120       |
|                          |                              |
|                          |                              |

### Kasavu

|                          |                              |
|--------------------------|------------------------------|
| <input type="checkbox"/> | 3   37461/31/10              |
|                          | <b>PHILIPS 11W INCL.</b>     |
|                          | 3x E27   max. 11W   230V   ⚡ |
|                          | ↓ 1500   ↔ 670   ↗ 120       |
|                          |                              |
|                          |                              |



### Dicki

1 | 36140/17/10

**PHILIPS 28W INCL.**

5x G9 | max. 40W | 230V | ⊕

Y | ↓ 1400 | ↔ 1055 | ↗ 90 |



### Fario

2 | 40389/17/10

**PHILIPS 20W INCL.**

6x G4 | max. 20W | 230V-12V | ⊕

Y | ↓ 1500 | ↔ 862 | ↗ 92 |



### Marimi

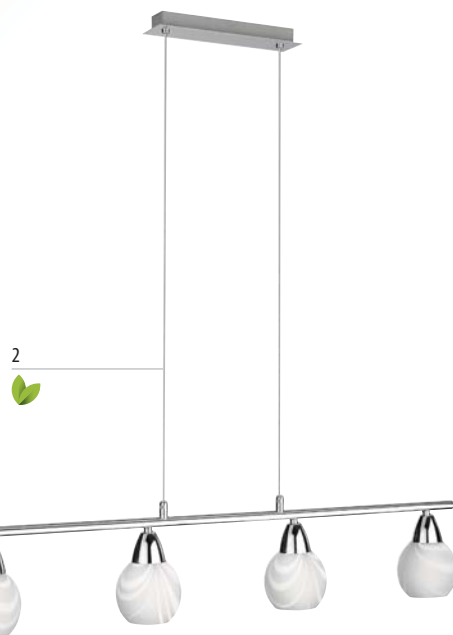
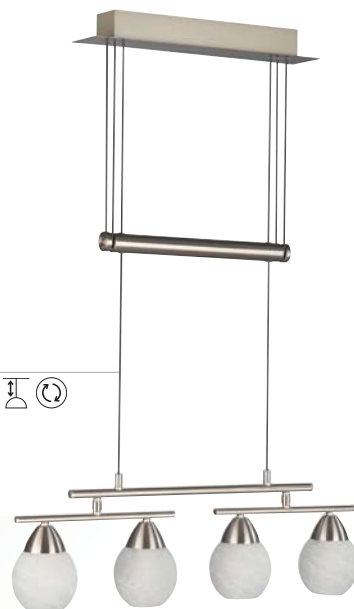
3 | 40655/17/10

**20W INCL.**

5x G4 | max. 20W | 230V | ⊕

Y | ↓ 1800 | ↔ 860 | ↗ 75 |





### Bavalo

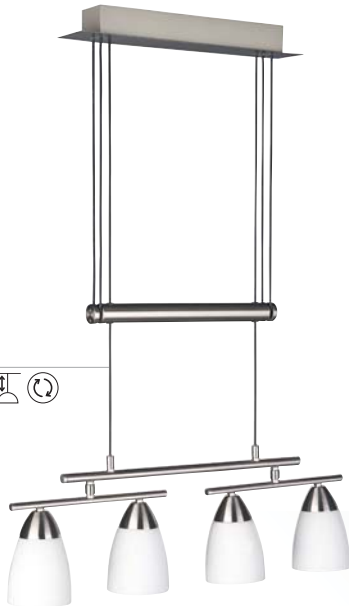
|   |                             |
|---|-----------------------------|
| 1 | 40584/17/10                 |
|   | PHILIPS 8W INCL.            |
|   | 4x E14   max. 9W   230V   ⚡ |
|   | ↓ 1300   ↔ 650   ↗ 100      |
|   |                             |
|   |                             |

### Gratianus

|   |                              |
|---|------------------------------|
| 2 | 41042/11/10                  |
|   | PHILIPS 12W INCL.            |
|   | 4x E14   max. 12W   230V   ⚡ |
|   | ↓ 1500   ↔ 856   ↗ 100       |
|   |                              |
|   |                              |

### Gratianus

|   |                              |
|---|------------------------------|
| 3 | 41043/11/10                  |
|   | PHILIPS 12W INCL.            |
|   | 6x E14   max. 12W   230V   ⚡ |
|   | ↓ 820   ↔ 685   ↗ 685        |
|   |                              |
|   |                              |



Save energy 



### Fahro

1 | 40376/31/10



**PHILIPS 8W INCL.**

4x E14 | max. 9W | 230V | ⊕

Y | ↓ 1300 | ↔ 650 | ↗ 100 |



### Fahro

2 | 40377/31/10



**PHILIPS 8W INCL.**

6x E14 | max. 9W | 230V | ⊕

Y | ↓ 1345 | ↔ 1000 | ↗ 100 |



### Goldwyn

3 | 40719/17/10



**PHILIPS 12W INCL.**

6x E14 | max. 12W | 230V | ⊕

Y | ↓ 1300 | ↔ 1180 | ↗ 75 |





Deco  
26

### Gilson

1 | 41779/11/10



**PHILIPS 14W INCL.**

3x E27 | max. 100W | 230V | ⊕



| ↓ 1300 | ↔ 400 | ↗ 400 |



### Foch

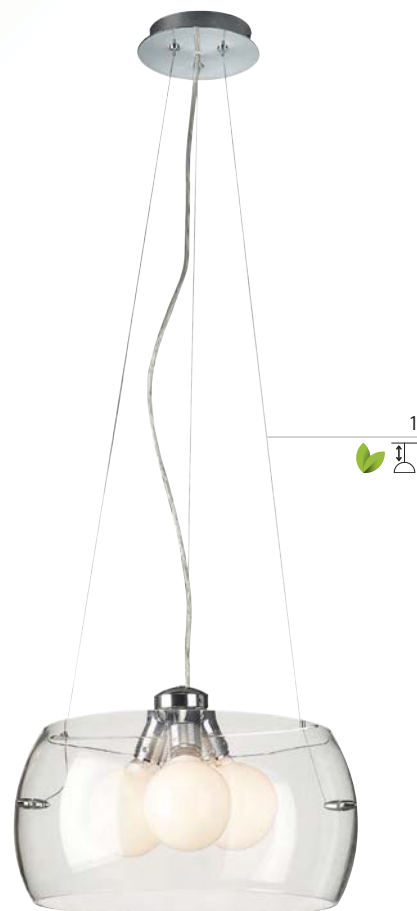
2 | 41823/17/10



1x E27 | max. 100W | 230V | ⊕



| ↓ 1400 | ↔ 370 | ↗ 370 |





## Juin

1 | 36179/47/10

1x E14 | max. 40W | 230V |

|  $\downarrow$  228 |  $\leftrightarrow$  65 |  $\nearrow$  65 |



## Chesty

2 | 43222/56/10

1x E14 | max. 40W | 230V |

|  $\downarrow$  122 |  $\leftrightarrow$  150 |  $\nearrow$  150 |



1



3



2



## Pippijn

1 | 40812/30/10

2 | 40812/31/10

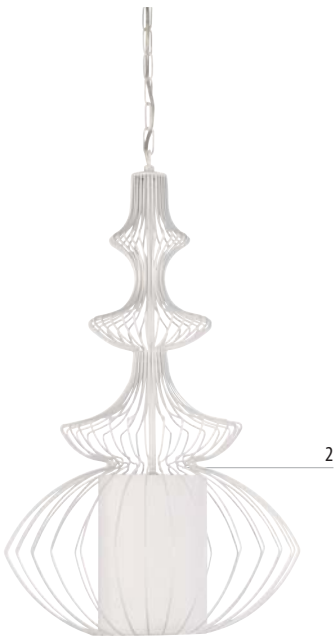
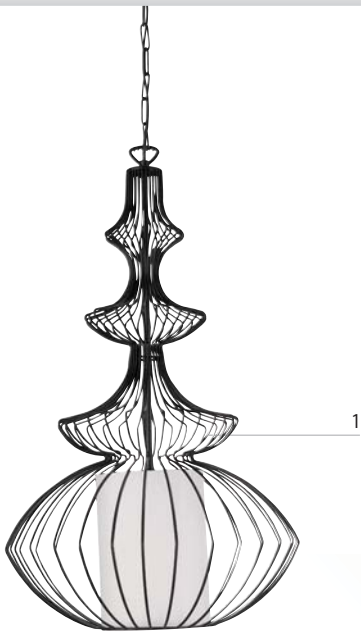
3 | 40812/96/10

1x E27 | max. 60W | 230V |

| ↓ 1310 | ↔ 280 | ↗ 280 |

MET





## Halley

1 | 38280/30/10

2 | 38280/31/10

1x E27 | max. 60W | 230V | ⊕

Y | 1240 | ↔ 375 | ↗ 375 |



## Halley

3 | 38281/31/10

1x E27 | max. 60W | 230V | ⊕

Y | 1930 | ↔ 380 | ↗ 380 |





2



3



## Flaubo

1 | 41766/30/10

2 | 41766/31/10

5x E14 | max. 60W | 230V | ⊕

Y | 1260 | 565 | 565 |



## Madison

3 | 41814/31/10

5x E14 | max. 60W | 230V | ⊕

Y | 1000 | 460 | 460 |





1



3



4



2



## Gautier

|                              |
|------------------------------|
| 1   40396/60/10              |
| 1x E14   max. 60W   230V   ⚡ |
| Y   1955   175   175         |
| MET                          |
| A+ E                         |

## Nostri

|                             |
|-----------------------------|
| 2   41633/11/10             |
| PHILIPS 28W INCL.           |
| 7x G9   max. 28W   230V   ⚡ |
| Y   1500   830   200        |
| MET                         |
| D C E                       |

## Madelon

|                               |
|-------------------------------|
| 3   41809/11/10               |
| 11x E14   max. 40W   230V   ⚡ |
| Y   1500   550   550          |
| MET                           |
| A+ E                          |

## Flo

|                               |
|-------------------------------|
| 4   41816/60/10               |
| 1x E27   max. 100W   230V   ⚡ |
| Y   1795   150   150          |
| MET                           |
| A+ E                          |

2



1



## Kandi

1 | 36975/30/10

 **PHILIPS 28W INCL.**

6x G9 | max. 40W | 230V | ⊕

 | ↑ 1500 | ↔ 465 | ↗ 465 |



## Kandi

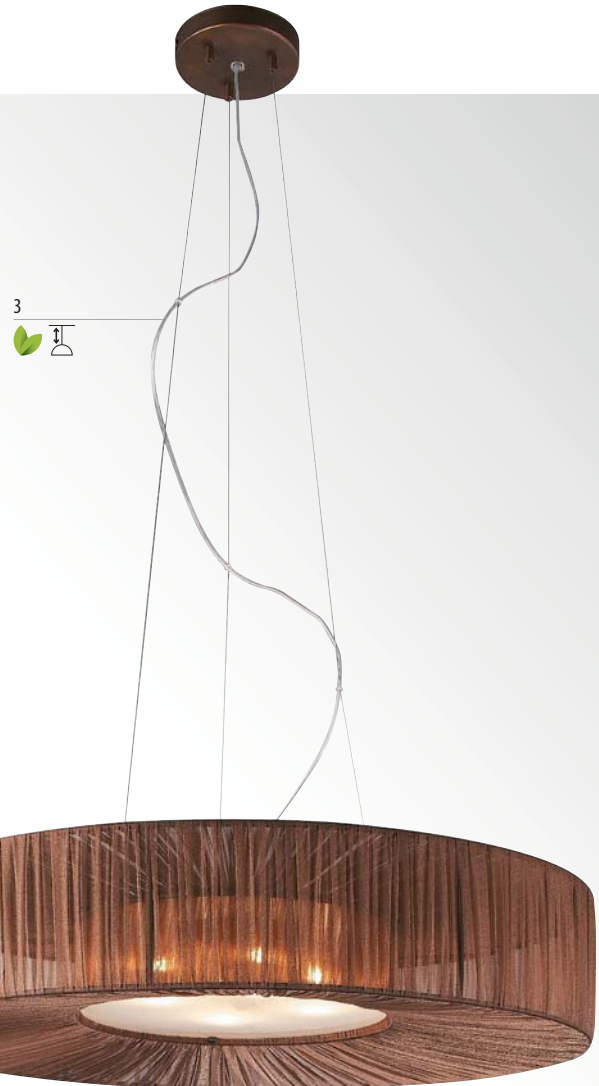
2 | 36976/30/10

 **PHILIPS 28W INCL.**

6x G9 | max. 40W | 230V | ⊕

 | ↑ 370 | ↔ 465 | ↗ 465 |





## Neyo

1 | 37315/11/10

6x E14 | max. 40W | 230V | ⚡

Y | 1170 | 650 | 650 |



## Neyo

2 | 37317/11/10

2x E14 | max. 40W | 230V | ⚡

Y | 1320 | 350 | 230 |



## Ernest

3 | 40271/43/10

PHILIPS 28W INCL.

4x G9 | max. 40W | 230V | ⚡

Y | 1550 | 602 | 602 |





2



1



3

## Cassius

1 | 41047/48/10

1x E27 | max. 60W | 230V | ⊕

Y | ↑ 870 | ↔ 360 | ↗ 360 |



## Baptiste

2 | 41788/18/10

3 | 41788/43/10

1x E27 | max. 100W | 230V | ⊕

Y | ↑ 940 | ↔ 330 | ↗ 330 |

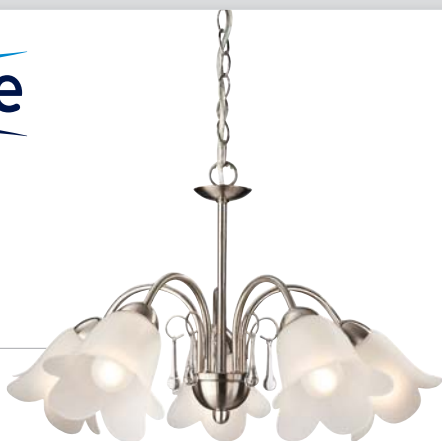




## Amalia

|                                                                                                                |                                                                                     |
|----------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|                             | 1   40097/06/10                                                                     |
|                             | 2   40097/17/10                                                                     |
| 5x E14   max. 60W   230V    |                                                                                     |
|                             | ↑ 1350   ↔ 550   ↗ 550                                                              |
|                             |  |
|                             |                                                                                     |

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5



## Kanto

|                              |             |
|------------------------------|-------------|
| 1                            | 36995/17/10 |
| 2                            | 36995/43/10 |
| 5x E14   max. 60W   230V   ⚡ |             |
| ↑ 850   ↔ 550   ↗ 550        |             |
| MET                          |             |
| A E                          |             |

## Kanto

|                              |             |
|------------------------------|-------------|
| 3                            | 36996/17/10 |
| 4                            | 36996/43/10 |
| 3x E14   max. 60W   230V   ⚡ |             |
| ↑ 850   ↔ 465   ↗ 465        |             |
| MET                          |             |
| A E                          |             |

## Kanto

|                              |             |
|------------------------------|-------------|
| 5                            | 36999/17/10 |
| 1x E14   max. 60W   230V   ⚡ |             |
| ↑ 345   ↔ 135   ↗ 235        |             |
| MET                          |             |
| A E                          |             |



### Justina

|                                                                                                                                                                         |                 |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|
|                                                                                      | 1   36500/06/10 |
|                                                                                      | 2   36500/17/10 |
| 5x E14   max. 40W   230V                                                             |                 |
|    ↑ 1400   ↔ 520   ↗ 520                                                            |                 |
|   |                 |
|                                                                                      |                 |

### Justina

|                                                                                                                                                                         |                 |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|
|                                                                                      | 3   36502/06/10 |
| 1x E14   max. 40W   230V                                                             |                 |
|    ↑ 190   ↔ 125   ↗ 260                                                             |                 |
|   |                 |
|                                                                                      |                 |

### Justina

|                                                                                                                                                                         |                 |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|
|                                                                                      | 4   36504/06/10 |
| 1x E14   max. 40W   230V                                                           |                 |
|    ↑ 375   ↔ 142   ↗ 220                                                             |                 |
|   |                 |
|                                                                                      |                 |



## Fobes

|                                     |                 |
|-------------------------------------|-----------------|
| <input type="checkbox"/>            | 1   41924/31/10 |
| <input checked="" type="checkbox"/> | 2   41924/43/10 |
| 1x E27   max. 100W   230V           |                 |
| ↓ 1500   ↔ 420   ↗ 420              |                 |
|                                     |                 |
|                                     |                 |



## Fahro

|   |                             |
|---|-----------------------------|
| 1 | 40376/43/10                 |
|   | PHILIPS 8W INCL.            |
|   | 4x E14   max. 9W   230V   ⊕ |
|   | ↓ 1300   ↔ 650   ↗ 100      |
|   |                             |
|   |                             |

## Fahro

|   |                             |
|---|-----------------------------|
| 2 | 40377/43/10                 |
|   | PHILIPS 8W INCL.            |
|   | 6x E14   max. 9W   230V   ⊕ |
|   | ↓ 1345   ↔ 1000   ↗ 100     |
|   |                             |
|   |                             |



### Docu

|  |                          |
|--|--------------------------|
|  | 1   36376/43/10          |
|  | 5x E14   max. 40W   230V |
|  | 1090   ↔ 670   ↗ 670     |
|  |                          |
|  |                          |

### Docu

|  |                          |
|--|--------------------------|
|  | 2   36377/43/10          |
|  | 1x E14   max. 40W   230V |
|  | 150   ↔ 170   ↗ 230      |
|  |                          |
|  |                          |

### Docu

|  |                          |
|--|--------------------------|
|  | 3   36379/43/10          |
|  | 1x E14   max. 40W   230V |
|  | 450   ↔ 170   ↗ 250      |
|  |                          |
|  |                          |



## Indy

1 | 38810/42/10

 **PHILIPS 28W INCL.**

6x G9 | max. 40W | 230V | ⊕

 | 1 950 | ↔ 660 | ↗ 660 |



## Lambo

2 | 39010/29/10

5x E14 | max. 60W | 230V | ⊕

 | 1 600 | ↔ 560 | ↗ 560 |



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## Cantré

1 | 40859/18/10

2 | 40859/87/10

1x E27 | max. 60W | 230V | ⊕

Y | ↑ 850 | ↔ 345 | ↗ 345 |

MET



## Bourbon

3 | 40860/14/10

4 | 40860/31/10

1x E27 | max. 60W | 230V | ⊕

Y | ↑ 1070 | ↔ 390 | ↗ 390 |

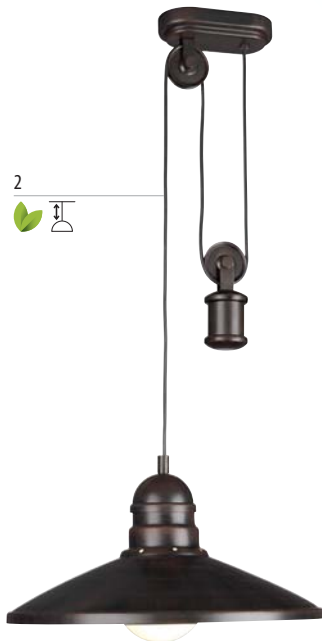
MET



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## Dunlo

1 | 37411/43/10

3x E27 | max. 75W | 230V | ⚡

Y | ↓ 1380 | ↔ 972 | ↗ 172 |



## Aki

2 | 37665/86/10

PHILIPS 14W INCL.  
1x E27 | max. 40W | 230V | ⚡

Y | ↓ 1800 | ↔ 400 | ↗ 400 |



## Aki

3 | 37666/86/10

PHILIPS 14W INCL.  
2x E27 | max. 40W | 230V | ⚡

Y | ↓ 1270 | ↔ 1078 | ↗ 400 |



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## Agee

|                              |             |
|------------------------------|-------------|
| 1                            | 36950/86/10 |
| 1x E27   max. 75W   230V   ⊕ |             |
| Y   1500   ↔ 160   ↗ 160     |             |
| MET SYN                      |             |
| A E                          |             |

## Flandrina

|                               |             |
|-------------------------------|-------------|
| 2                             | 41757/43/10 |
| 1x E27   max. 100W   230V   ⊕ |             |
| Y   865   ↔ 235   ↗ 235       |             |
| MET                           |             |
| A E                           |             |

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## Lyndo

1 | 41783/86/10

1x E27 | max. 100W | 230V | ⊕

Y | 11010 | ↔ 275 | ↗ 275 |



## Niccolo

2 | 43254/30/10

1x E27 | max. 60W | 230V | ⊞

Y | 1320 | ↔ 140 | ↗ 140 |





## Junius

1 | 36412/06/10

2 | 36412/17/10

1x E27 | max. 60W | 230V | ⊕

Y | 1 260 | 85 | 370 |





## Miert

1 | 42003/43/10

1x E14 | max. 40W | 230V |

1x E27 | max. 150W | 230V |

| ↑ 1780 | ↔ 350 | ↗ 610 |



## Medi

2 | 79097/22/06

3 | 79097/22/17

**PHILIPS 240W INCL.**

1x R7S 118 | max. 240W | 230V |

**PHILIPS 28W INCL.**

1x G9 | max. 28W | 230V |

| ↑ 1810 | ↔ 290 | ↗ 290 |





Wall & ceiling

---



## Rossi

 1 | 37985/11/10

 **PHILIPS 10W INCL.**

16x G4 | max. 10W |  12V | 

 | T 90 | ↔ 400 | ↗ 400 |

MET



Save energy 



## Adria

|                                                                                     |                                                                                                                                            |
|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|
|  | 1   32129/17/10                                                                                                                            |
|  | <b>PHILIPS 23W INCL.</b><br>2x E27   max. 23W   230V    |
|  | T 91   ↔ 320   ↗ 320                                                                                                                       |
|  |                                                         |
|  |                                                         |

## Adria

|                                                                                     |                                                                                                                                            |
|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|
|  | 2   32130/17/10                                                                                                                            |
|  | <b>PHILIPS 23W INCL.</b><br>3x E27   max. 23W   230V    |
|  | T 91   ↔ 420   ↗ 420                                                                                                                       |
|  |                                                         |
|  |                                                         |



 Save energy



### Carley

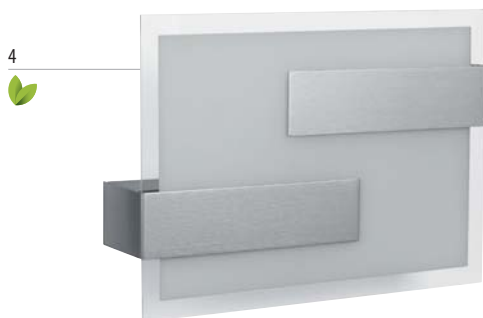
|                                                                                    |                                                                                                                                                                         |
|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | 1   30197/31/10                                                                                                                                                         |
|  | <b>PHILIPS 40W INCL.</b>                                                                                                                                                |
|                                                                                    | 1x 2GX13   max. 40W   230V                                                           |
|  | T 61   ↔ 396   ↗ 396                                                                                                                                                    |
|                                                                                    |   |
|                                                                                    |   |

### Lora

|                                                                                     |                                                                                                                                                                         |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | 2   30243/48/10                                                                                                                                                         |
|  | <b>PHILIPS 40W INCL.</b>                                                                                                                                                |
|                                                                                     | 1x 2GX13   max. 40W   230V                                                           |
|  | T 90   ↔ 405   ↗ 405                                                                                                                                                    |
|                                                                                     |   |
|                                                                                     |   |

### Lora

|                                                                                     |                                                                                                                                                                         |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | 3   30244/48/10                                                                                                                                                         |
|  | <b>PHILIPS 22W INCL.</b>                                                                                                                                                |
|                                                                                     | 1x 2GX13   max. 22W   230V                                                         |
|  | T 105   ↔ 350   ↗ 350                                                                                                                                                   |
|                                                                                     |   |
|                                                                                     |   |



## Quadro

|  |                           |
|--|---------------------------|
|  | 1   30010/67/10           |
|  | 1x E27   max. 100W   230V |
|  | T 95   ↔ 290   ↗ 290      |
|  |                           |
|  |                           |

## Quadros

|  |                           |
|--|---------------------------|
|  | 2   30012/17/10           |
|  | 1x E27   max. 100W   230V |
|  | T 85   ↔ 360   ↗ 360      |
|  |                           |
|  |                           |

## Nessa

|  |                             |
|--|-----------------------------|
|  | 3   33242/17/10             |
|  | <b>PHILIPS 80W INCL.</b>    |
|  | 1x R7S 78   max. 80W   230V |
|  | T 120   ↔ 300   ↗ 80        |
|  |                             |
|  |                             |

## Valerie

|  |                          |
|--|--------------------------|
|  | 4   33243/48/10          |
|  | <b>PHILIPS 23W INCL.</b> |
|  | 2x E27   max. 23W   230V |
|  | T 225   ↔ 314   ↗ 71     |
|  |                          |
|  |                          |



### Judy

|                              |             |
|------------------------------|-------------|
| 1                            | 30081/17/10 |
| 1x E27   max. 60W   230V   ⚡ |             |
| Y   T 80   ↔ 300   ↗ 300     |             |
| MET                          |             |
| A+ E                         |             |

### Annika

|                              |             |
|------------------------------|-------------|
| 2                            | 70670/01/11 |
| 1x E27   max. 60W   230V   ⚡ |             |
| Y   T 75   ↔ 255   ↗ 255     |             |
| MET                          |             |
| A+ E                         |             |



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### Romy

|                                                                                     |                                                                                                                |
|-------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------|
|  | 1   33275/11/10                                                                                                |
|                                                                                     | 1x E27   max. 60W   230V    |
|  | $\uparrow$ 160   $\leftrightarrow$ 311   $\nearrow$ 119                                                        |
|  |                             |
|  |                                                                                                                |

### Avril

|                                                                                     |                                                                                                                |
|-------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------|
|  | 2   77013/01/87                                                                                                |
|                                                                                     | 1x E27   max. 60W   230V    |
|  | $\uparrow$ 83   $\leftrightarrow$ 250   $\nearrow$ 250                                                         |
|  |                             |
|  |                                                                                                                |

### Sadie

|                                                                                     |                                                                                                                  |
|-------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|
|  | 3   81726/31/10                                                                                                  |
|                                                                                     | 1x E27   max. 60W   230V    |
|  | $\uparrow$ 160   $\leftrightarrow$ 310   $\nearrow$ 80                                                           |
|  |                               |
|  |                                                                                                                  |



### Aesopus

|                                                                                     |                                                         |
|-------------------------------------------------------------------------------------|---------------------------------------------------------|
|   | 1   36860/17/10                                         |
|   | <b>PHILIPS 28W INCL.</b><br>3x G9   max. 40W   230V   ⊕ |
|   | T 251   ↔ 296   ↗ 296                                   |
|  |                                                         |
|  |                                                         |

### Aster

|                                                                                     |                                                                                     |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|  | 2   40881/11/10                                                                     |
|  | <b>PHILIPS 28W INCL.</b><br>3x G9   max. 42W   230V   ⊕                             |
|  | T 110   ↔ 340   ↗ 320                                                               |
|  |  |
|  |                                                                                     |



### Caroline

|                          |                          |
|--------------------------|--------------------------|
| <input type="checkbox"/> | 1   30023/31/10          |
|                          | 1x E27   max. 40W   230V |
|                          | T 170   ↔ 150   ↗ 150    |
|                          |                          |
|                          |                          |

### Cleo

|                          |                           |
|--------------------------|---------------------------|
| <input type="checkbox"/> | 2   33132/17/10           |
|                          | <b>PHILIPS 50W INCL.</b>  |
|                          | 2x GU10   max. 50W   230V |
|                          | T 166   ↔ 60   ↗ 100      |
|                          |                           |
|                          |                           |

### Charlotte

|                          |                          |
|--------------------------|--------------------------|
| <input type="checkbox"/> | 3   33160/17/10          |
|                          | <b>PHILIPS 42W INCL.</b> |
|                          | 1x G9   max. 60W   230V  |
|                          | T 82   ↔ 82   ↗ 92       |
|                          |                          |
|                          |                          |

### Sonia

|                          |                          |
|--------------------------|--------------------------|
| <input type="checkbox"/> | 4   72894/01/31          |
|                          | 1x E27   max. 40W   230V |
|                          | T 175   ↔ 150   ↗ 150    |
|                          |                          |
|                          |                          |

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## Ivy

|                               |             |
|-------------------------------|-------------|
| 1                             | 30308/87/10 |
| 1x E27   max. 100W   230V   ⊕ |             |
| T 90   ↔ 290   ↗ 290          |             |
| MET                           |             |
| A+ E                          |             |

## Eris

|                              |             |
|------------------------------|-------------|
| 2                            | 33273/68/10 |
| 1x E27   max. 60W   230V   ⊕ |             |
| I 254   ↔ 264   ↗ 89         |             |
| MET                          |             |
| A+ E                         |             |

## Ivy

|                              |             |
|------------------------------|-------------|
| 3                            | 33307/87/10 |
| 1x E27   max. 60W   230V   ⊕ |             |
| I 250   ↔ 248   ↗ 109        |             |
| MET                          |             |
| A+ E                         |             |

## Madeline

|                              |             |
|------------------------------|-------------|
| 4                            | 80816/90/56 |
| 1x E27   max. 60W   230V   ⊕ |             |
| I 255   ↔ 265   ↗ 88         |             |
| MET                          |             |
| A+ E                         |             |



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## Ellis

1 | 30165/69/10

1x E27 | max. 60W | 230V | ⚡

Y | T 90 | ↔ 290 | ↗ 290 |



## Crissy

2 | 30179/67/10

1x E27 | max. 100W | 230V | ⚡

Y | T 90 | ↔ 290 | ↗ 290 |





## Jill

|                          |                                               |
|--------------------------|-----------------------------------------------|
| <input type="checkbox"/> | 1   30254/31/10                               |
|                          | 1x E27   max. 60W   230V   $\oplus$           |
|                          | T 82   $\leftrightarrow$ 300   $\nearrow$ 300 |
|                          |                                               |
|                          |                                               |

## Elin

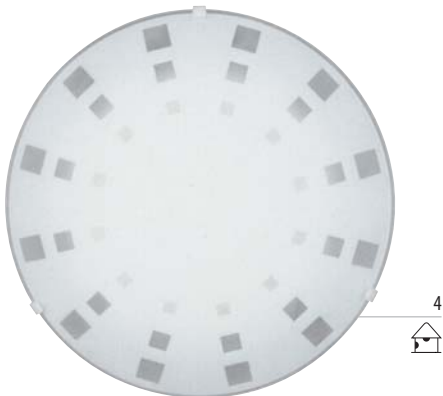
|                          |                                               |
|--------------------------|-----------------------------------------------|
| <input type="checkbox"/> | 2   30259/67/10                               |
|                          | 1x E27   max. 60W   230V   $\oplus$           |
|                          | T 82   $\leftrightarrow$ 300   $\nearrow$ 300 |
|                          |                                               |
|                          |                                               |

## Steps

|                          |                                               |
|--------------------------|-----------------------------------------------|
| <input type="checkbox"/> | 3   70822/01/67                               |
|                          | 1x E27   max. 60W   230V   $\oplus$           |
|                          | T 75   $\leftrightarrow$ 255   $\nearrow$ 255 |
|                          |                                               |
|                          |                                               |

## Charlize

|                          |                                               |
|--------------------------|-----------------------------------------------|
| <input type="checkbox"/> | 4   70823/01/67                               |
|                          | 1x E27   max. 60W   230V   $\oplus$           |
|                          | T 75   $\leftrightarrow$ 255   $\nearrow$ 255 |
|                          |                                               |
|                          |                                               |



## Trudy

1 | 30173/33/10

2 | 30173/35/10

3 | 30173/53/10

1x E27 | max. 60W | 230V | ⚡

Y | T 85 | ↔ 300 | ↗ 300 |



## Jodie

4 | 70961/01/56

1x E27 | max. 60W | 230V | ⚡

Y | T 90 | ↔ 305 | ↗ 305 |



massive

1

Save energy



4



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## Rihanna

|                              |                |
|------------------------------|----------------|
| 1                            | 30269/43/10    |
| PHILIPS 18W INCL.            |                |
| 2x E27   max. 18W   230V   ⚡ |                |
| Y   T 142   → 423   ↗ 423    |                |
| MET                          |                |
| A                            | A <sub>E</sub> |

## Sienna

|                              |                |
|------------------------------|----------------|
| 2                            | 30270/43/10    |
| PHILIPS 23W INCL.            |                |
| 1x E27   max. 23W   230V   ⚡ |                |
| Y   T 118   → 316   ↗ 316    |                |
| MET                          |                |
| A                            | A <sub>E</sub> |

## Sienna

|                              |                |
|------------------------------|----------------|
| 3                            | 33256/43/10    |
| PHILIPS 15W INCL.            |                |
| 1x E27   max. 15W   230V   ⚡ |                |
| Y   T 160   → 300   ↗ 88     |                |
| MET                          |                |
| A                            | A <sub>E</sub> |

## Rihanna

|                              |                |
|------------------------------|----------------|
| 4                            | 33260/43/10    |
| PHILIPS 14W INCL.            |                |
| 1x E27   max. 14W   230V   ⚡ |                |
| Y   T 330   → 235   ↗ 118    |                |
| MET                          |                |
| A                            | A <sub>E</sub> |



Save energy 

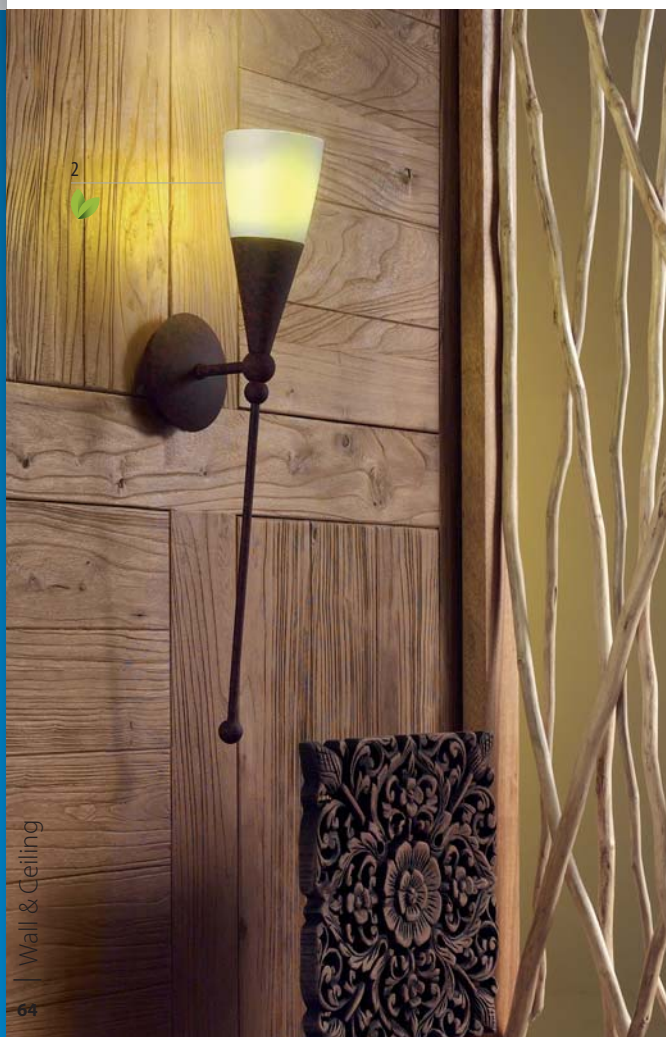


### Colleen

|                                                                                                                |                                                                                     |
|----------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|                             | 1   30495/86/10                                                                     |
| 1x E27   max. 60W   230V    |                                                                                     |
|                             | T 111   ↔ 300   ↗ 300                                                               |
|                             |  |
|                             |                                                                                     |

### Colleen

|                                                                                                                |                                                                                     |
|----------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|                             | 2   33286/86/10                                                                     |
| 1x E27   max. 60W   230V    |                                                                                     |
|                             | ↓ 158   ↔ 308   ↗ 103                                                               |
|                             |  |
|                             |                                                                                     |



## Evita

|                                                                                     |                                                                                                                |
|-------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------|
|   | 1   30200/86/10                                                                                                |
|   | <b>PHILIPS 18W INCL.</b>                                                                                       |
|                                                                                     | 2x E27   max. 18W   230V    |
|   | T 94   ↔ 400   ↗ 400                                                                                           |
|  |                             |
|  |                             |

## Giselle

|                                                                                     |                                                                                                                |
|-------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------|
|  | 2   33210/86/10                                                                                                |
|  | <b>PHILIPS 12W INCL.</b>                                                                                       |
|                                                                                     | 1x E14   max. 12W   230V    |
|  | T 558   ↔ 107   ↗ 158                                                                                          |
|  |                             |
|  |                             |



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### Aaliyah

|                              |                      |
|------------------------------|----------------------|
| ■                            | 1   33185/86/10      |
| 1x E14   max. 40W   230V   ⊕ |                      |
| Y                            | ↑ 206   ↔ 227   ↗ 72 |
| ⚠                            | MET                  |
| ⚡                            | E                    |

### Fergie

|                              |                      |
|------------------------------|----------------------|
| ■                            | 2   70368/01/53      |
| 1x E27   max. 60W   230V   ⊕ |                      |
| Y                            | T 90   ↔ 310   ↗ 310 |
| ⚠                            | MET                  |
| ⚡                            | E                    |

### Fergie

|                              |                      |
|------------------------------|----------------------|
| ■                            | 3   81531/01/70      |
| 1x E27   max. 60W   230V   ⊕ |                      |
| Y                            | ↑ 165   ↔ 315   ↗ 80 |
| ⚠                            | MET                  |
| ⚡                            | E                    |



## Compass

1 | 30009/06/17

2 | 30009/17/10

1x E27 | max. 60W | 230V | ⚡

Y | T 90 | ↔ 330 | ↗ 330 |



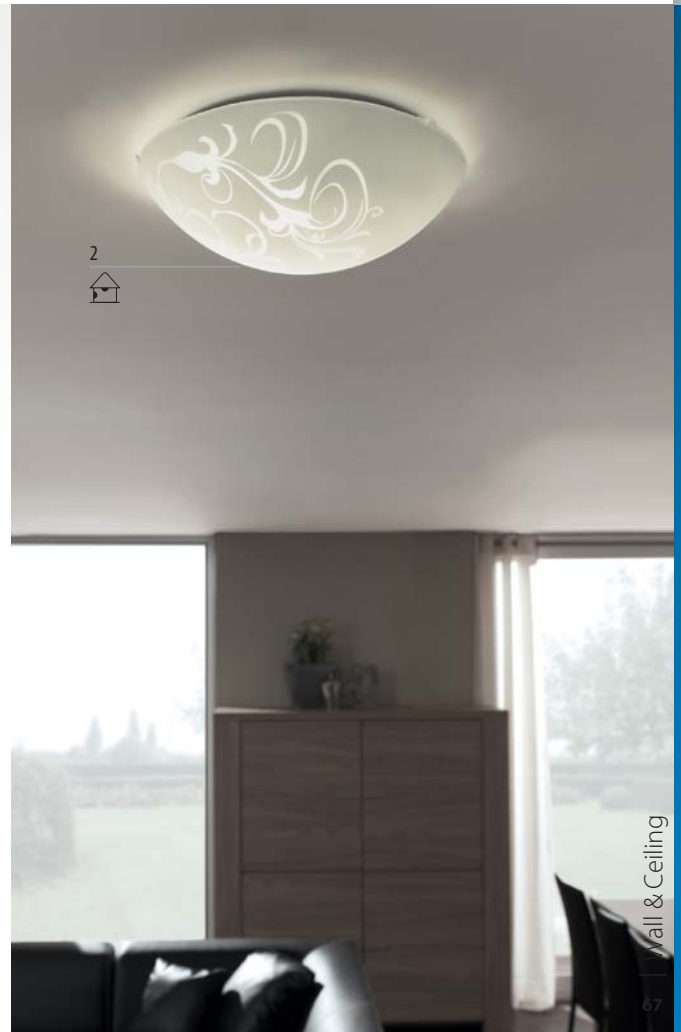
## Madison

3 | 70708/02/06

2x E27 | max. 40W | 230V | ⚡

Y | T 120 | ↔ 305 | ↗ 305 |





## Fay

|                                                                                     |                                                                                                                |
|-------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------|
|  | 1   30279/67/10                                                                                                |
|                                                                                     | 1x E27   max. 60W   230V    |
|  | T 111   ↔ 300   ↗ 300                                                                                          |
|  |                             |
|  |                                                                                                                |

## Fay

|                                                                                     |                                                                                                                |
|-------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------|
|  | 2   30280/67/10                                                                                                |
|                                                                                     | 2x E27   max. 60W   230V    |
|  | T 135   ↔ 400   ↗ 400                                                                                          |
|  |                             |
|  |                                                                                                                |

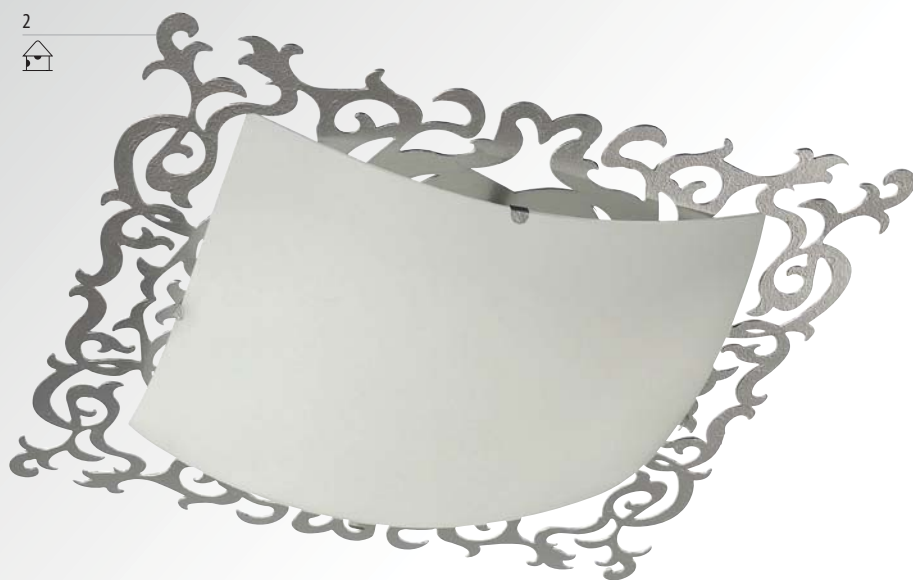
## Isla

|                                                                                     |                                                                                                                  |
|-------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|
|  | 3   31914/31/10                                                                                                  |
|                                                                                     | 1x E27   max. 60W   230V    |
|  | T 80   ↔ 300   ↗ 300                                                                                             |
|  |                               |
|  |                                                                                                                  |

1



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## Alice

|                               |             |
|-------------------------------|-------------|
| 1                             | 30165/30/10 |
| 1x E27   max. 100W   230V   ⊕ |             |
| T 90   ↔ 290   ↗ 290          |             |
| MET                           |             |
| A E                           |             |

## Rinoa

|                               |             |
|-------------------------------|-------------|
| 2                             | 30193/14/10 |
| 1x E27   max. 100W   230V   ⊕ |             |
| T 96   ↔ 413   ↗ 413          |             |
| MET                           |             |
| A E                           |             |



### Zara

|                          |                              |
|--------------------------|------------------------------|
| <input type="checkbox"/> | 1   70748/01/31              |
|                          | 1x E27   max. 60W   230V   ⚡ |
|                          | T 80   ↔ 300   ↗ 300         |
|                          |                              |
|                          |                              |

### Zara

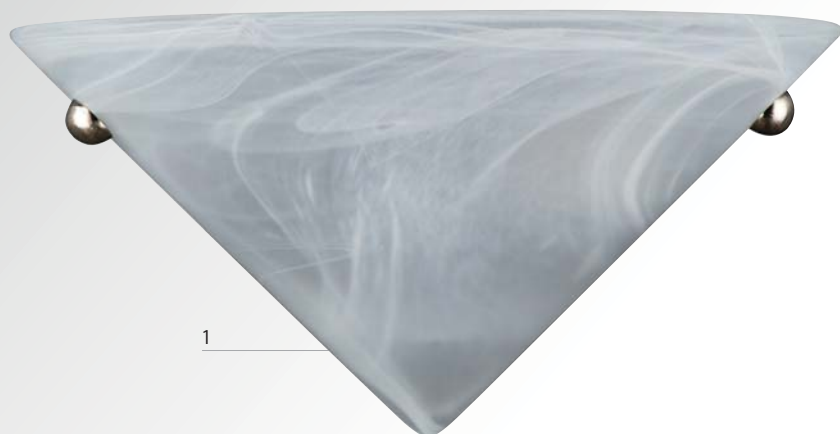
|                          |                              |
|--------------------------|------------------------------|
| <input type="checkbox"/> | 2   70748/02/31              |
|                          | 2x E27   max. 60W   230V   ⚡ |
|                          | T 95   ↔ 405   ↗ 405         |
|                          |                              |
|                          |                              |

### Ashley

|                          |                              |
|--------------------------|------------------------------|
| <input type="checkbox"/> | 3   81748/01/31              |
|                          | 1x E27   max. 60W   230V   ⚡ |
|                          | T 155   ↔ 300   ↗ 75         |
|                          |                              |
|                          |                              |



2



1



3

### Jessica

|   |                              |
|---|------------------------------|
| ■ | 1   34951/47/10              |
|   | 1x E27   max. 60W   230V   ⚡ |
| Y | ↓ 150   ↔ 300   ↗ 150        |
|   | MET                          |
|   | ÄE                           |

### Zara

|   |                              |
|---|------------------------------|
| ■ | 2   70748/01/47              |
|   | 1x E27   max. 60W   230V   ⚡ |
| Y | T 80   ↔ 300   ↗ 300         |
|   | MET                          |
|   | ÄE                           |

### Zara

|   |                              |
|---|------------------------------|
| ■ | 3   70748/02/47              |
|   | 2x E27   max. 60W   230V   ⚡ |
| Y | T 95   ↔ 405   ↗ 405         |
|   | MET                          |
|   | ÄE                           |



### Leanne

|                              |             |
|------------------------------|-------------|
| 1                            | 31991/62/10 |
| 1x E27   max. 60W   230V   ⚡ |             |
| T 85   ↔ 300   ↗ 300         |             |
| MET                          |             |
| A+ E                         |             |

### Leanne

|                              |             |
|------------------------------|-------------|
| 2                            | 31992/62/10 |
| 2x E27   max. 60W   230V   ⚡ |             |
| T 115   ↔ 400   ↗ 400        |             |
| MET                          |             |
| A+ E                         |             |

### Macy

|                              |             |
|------------------------------|-------------|
| 3                            | 77027/01/47 |
| 1x E27   max. 60W   230V   ⚡ |             |
| T 85   ↔ 300   ↗ 300         |             |
| MET                          |             |
| A+ E                         |             |

### Macy

|                              |             |
|------------------------------|-------------|
| 4                            | 77027/02/47 |
| 2x E27   max. 60W   230V   ⚡ |             |
| T 110   ↔ 405   ↗ 405        |             |
| MET                          |             |
| A+ E                         |             |

1



2&3



## Nicole

1 | 33065/06/10

2 | 33065/17/10

3 | 33065/17/17

**PHILIPS 80W INCL.**

1x R7S 78 | max. 80W | 230V | ⊕

Y | ↓ 100 | → 165 | ↗ 105 |





Wand & ceiling

## Lynne

|         |                      |
|---------|----------------------|
| 1       | 33080/48/10          |
| PHILIPS | 13W INCL.            |
| 1x G5   | max. 13W   230V   ⊕  |
| Y       | T 51   ↔ 555   ↗ 222 |
| MET     |                      |
| A       | A E                  |

## Lynne

|         |                      |
|---------|----------------------|
| 2       | 33081/48/10          |
| PHILIPS | 8W INCL.             |
| 1x G5   | max. 8W   230V   ⊕   |
| Y       | T 51   ↔ 329   ↗ 221 |
| MET     |                      |
| A       | A E                  |

## Cézanne

|        |                      |
|--------|----------------------|
| 3      | 33084/06/10          |
| 4      | 33084/17/10          |
| 4x E14 | max. 15W   230V   ⊕  |
| Y      | T 80   ↔ 465   ↗ 200 |
| MET    |                      |
| A      | A E                  |



Spots

---

1  
LED

Save energy

2  
LED

3  
LED

4  
LED

### Myrtus

|     |                                   |
|-----|-----------------------------------|
| 1   | 54650/17/10                       |
| LED | PHILIPS 4W INCL.   LED            |
|     | 1x GU10 LED   max. 50W   230V   ⚡ |
| Y   | T 130   → 100   ↗ 118             |
| MET |                                   |
| A+  | A E                               |

### Myrtus

|     |                                   |
|-----|-----------------------------------|
| 2   | 54652/17/10                       |
| LED | PHILIPS 4W INCL.   LED            |
|     | 2x GU10 LED   max. 50W   230V   ⚡ |
| Y   | T 170   → 335   ↗ 145             |
| MET |                                   |
| A+  | A E                               |

### Myrtus

|     |                                   |
|-----|-----------------------------------|
| 3   | 54654/17/10                       |
| LED | PHILIPS 4W INCL.   LED            |
|     | 4x GU10 LED   max. 50W   230V   ⚡ |
| Y   | T 150   → 760   ↗ 100             |
| MET |                                   |
| A+  | A E                               |

### Myrtus

|     |                                   |
|-----|-----------------------------------|
| 4   | 54659/17/10                       |
| LED | PHILIPS 4W INCL.   LED            |
|     | 3x GU10 LED   max. 50W   230V   ⚡ |
| Y   | T 160   → 300   ↗ 300             |
| MET |                                   |
| A+  | A E                               |



1  
power  
LED

2  
LED



Save energy

3  
LED



4  
LED



## Poppy

|  |                                                |
|--|------------------------------------------------|
|  | 1   56920/17/10                                |
|  | PHILIPS 4W INCL.   LED                         |
|  | 1x GU10 LED   max. 4W   230V   $\oplus$        |
|  | T 123   $\leftrightarrow$ 100   $\nearrow$ 100 |
|  |                                                |
|  |                                                |

## Poppy

|  |                                               |
|--|-----------------------------------------------|
|  | 2   56922/17/10                               |
|  | PHILIPS 4W INCL.   LED                        |
|  | 2x GU10 LED   max. 4W   230V   $\oplus$       |
|  | T 123   $\leftrightarrow$ 453   $\nearrow$ 80 |
|  |                                               |
|  |                                               |

## Poppy

|  |                                               |
|--|-----------------------------------------------|
|  | 3   56923/17/10                               |
|  | PHILIPS 4W INCL.   LED                        |
|  | 3x GU10 LED   max. 4W   230V   $\oplus$       |
|  | T 123   $\leftrightarrow$ 710   $\nearrow$ 80 |
|  |                                               |
|  |                                               |

## Poppy

|  |                                                |
|--|------------------------------------------------|
|  | 4   56924/17/10                                |
|  | PHILIPS 4W INCL.   LED                         |
|  | 4x GU10 LED   max. 4W   230V   $\oplus$        |
|  | T 153   $\leftrightarrow$ 822   $\nearrow$ 120 |
|  |                                                |
|  |                                                |



### Zinna

|   |                             |
|---|-----------------------------|
| 1 | 55820/17/10                 |
|   | PHILIPS 28W INCL.           |
|   | 1x G9   max. 40W   230V   ⊕ |
|   | T 145   ↔ 115   ↗ 115       |
|   |                             |
|   |                             |

### Zinna

|   |                             |
|---|-----------------------------|
| 2 | 55822/17/10                 |
|   | PHILIPS 28W INCL.           |
|   | 2x G9   max. 40W   230V   ⊕ |
|   | T 155   ↔ 390   ↗ 115       |
|   |                             |
|   |                             |

### Zinna

|   |                             |
|---|-----------------------------|
| 3 | 55829/17/10                 |
|   | PHILIPS 28W INCL.           |
|   | 3x G9   max. 40W   230V   ⊕ |
|   | T 155   ↔ 375   ↗ 375       |
|   |                             |
|   |                             |



Save energy 



## Zinna

|                                                                                     |                                                                                                                                           |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------|
|  | 1   55824/17/10                                                                                                                           |
|  | <b>PHILIPS 28W INCL.</b><br>4x G9   max. 40W   230V    |
|  | T 165   $\leftrightarrow$ 880   $\nearrow$ 115                                                                                            |
|  |                                                        |
|  |                                                        |

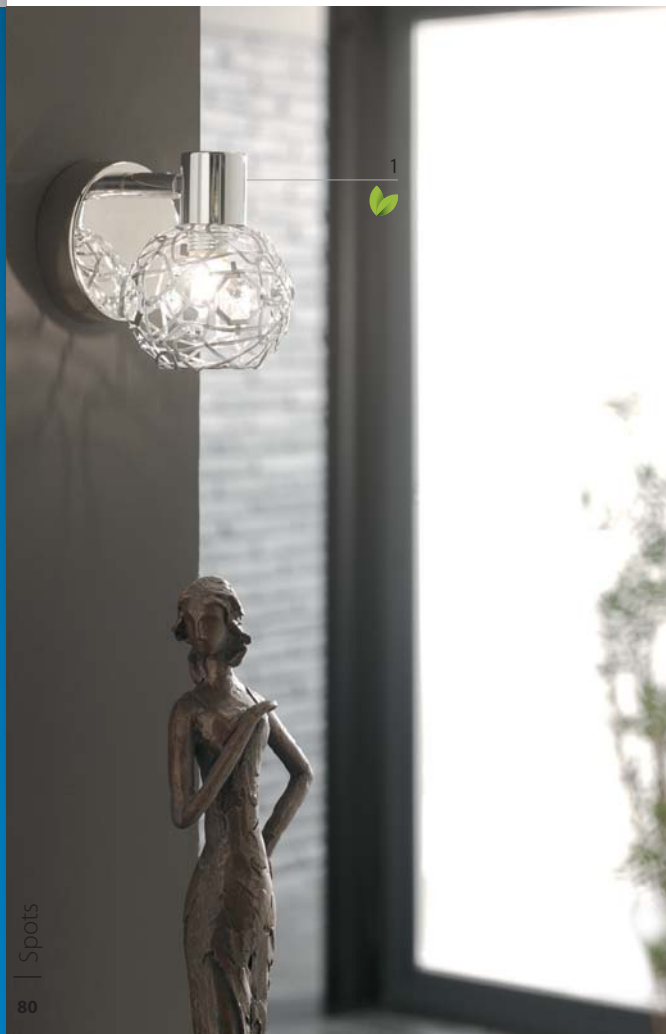
## Zinna

|                                                                                     |                                                                                                                                           |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------|
|  | 2   55825/17/10                                                                                                                           |
|  | <b>PHILIPS 28W INCL.</b><br>5x G9   max. 40W   230V    |
|  | T 165   $\leftrightarrow$ 880   $\nearrow$ 320                                                                                            |
|  |                                                        |
|  |                                                        |

2



1



3



### Hosta

|  |                             |
|--|-----------------------------|
|  | 1   55810/11/10             |
|  | <b>PHILIPS 28W INCL.</b>    |
|  | 1x G9   max. 28W   230V   ⊕ |
|  | T 120   ↔ 80   ↗ 80         |
|  |                             |
|  |                             |

### Hosta

|  |                             |
|--|-----------------------------|
|  | 2   55812/11/10             |
|  | <b>PHILIPS 28W INCL.</b>    |
|  | 2x G9   max. 28W   230V   ⊕ |
|  | T 137   ↔ 360   ↗ 107       |
|  |                             |
|  |                             |

### Hosta

|  |                             |
|--|-----------------------------|
|  | 3   55819/11/10             |
|  | <b>PHILIPS 28W INCL.</b>    |
|  | 3x G9   max. 28W   230V   ⊕ |
|  | T 130   ↔ 300   ↗ 300       |
|  |                             |
|  |                             |



Save energy 

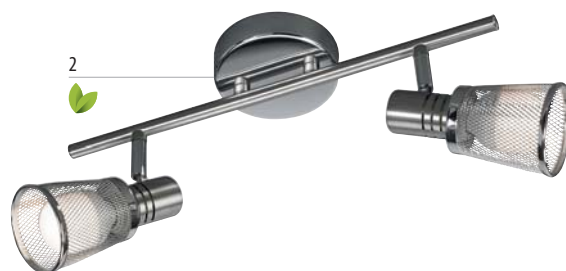


## Hosta

|                                                                                     |                                                                                                               |
|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------|
|  | 1   55814/11/10                                                                                               |
|  | <b>PHILIPS 28W INCL.</b>                                                                                      |
|                                                                                     | 4x G9   max. 28W   230V    |
|  | T 145   $\rightarrow$ 850   $\nearrow$ 103                                                                    |
|  |                            |
|  |                            |

## Hosta

|                                                                                     |                                                                                                               |
|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------|
|  | 2   55815/11/10                                                                                               |
|  | <b>PHILIPS 28W INCL.</b>                                                                                      |
|                                                                                     | 5x G9   max. 28W   230V    |
|  | T 165   $\rightarrow$ 560   $\nearrow$ 560                                                                    |
|  |                            |
|  |                            |



Save energy



### Jade

|                                                                                     |                                                                                     |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|   | 1   50200/11/10                                                                     |
|   | 7W INCL.                                                                            |
|                                                                                     | 1x E14   max. 7W   230V   ⊕                                                         |
|   | T 150   ↔ 90   ↗ 110                                                                |
|  |                                                                                     |
|  |  |

### Jade

|                                                                                     |                                                                                     |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|  | 2   50202/11/10                                                                     |
|  | 7W INCL.                                                                            |
|                                                                                     | 2x E14   max. 7W   230V   ⊕                                                         |
|  | T 145   ↔ 370   ↗ 100                                                               |
|  |                                                                                     |
|  |  |

### Jade

|                                                                                     |                                                                                     |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|  | 3   50204/11/10                                                                     |
|  | 7W INCL.                                                                            |
|                                                                                     | 4x E14   max. 7W   230V   ⊕                                                         |
|  | T 155   ↔ 715   ↗ 100                                                               |
|  |                                                                                     |
|  |  |

### Jade

|                                                                                       |                                                                                       |
|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
|  | 4   50209/11/10                                                                       |
|  | 7W INCL.                                                                              |
|                                                                                       | 3x E14   max. 7W   230V   ⊕                                                           |
|  | T 145   ↔ 290   ↗ 290                                                                 |
|  |                                                                                       |
|  |  |



1



2

Save energy 



3



4

### Amperi

|                                                                                     |                                                                                                                |
|-------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------|
|  | 1   51230/17/10                                                                                                |
|  | <b>PHILIPS 12W INCL.</b>                                                                                       |
|                                                                                     | 1x E14   max. 12W   230V    |
|  | T 115   $\leftrightarrow$ 100   $\swarrow$ 100                                                                 |
|  |                             |
|  |                             |

### Amperi

|                                                                                     |                                                                                                                |
|-------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------|
|  | 2   51234/17/10                                                                                                |
|  | <b>PHILIPS 12W INCL.</b>                                                                                       |
|                                                                                     | 4x E14   max. 12W   230V    |
|  | T 150   $\leftrightarrow$ 760   $\swarrow$ 120                                                                 |
|  |                             |
|  |                             |

### Amperi

|                                                                                     |                                                                                                                  |
|-------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|
|  | 3   51236/17/10                                                                                                  |
|  | <b>PHILIPS 12W INCL.</b>                                                                                         |
|                                                                                     | 6x E14   max. 12W   230V    |
|  | T 155   $\leftrightarrow$ 1800   $\swarrow$ 120                                                                  |
|  |                               |
|  |                               |

### Amperi

|                                                                                       |                                                                                                                  |
|---------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|
|  | 4   51239/17/10                                                                                                  |
|  | <b>PHILIPS 12W INCL.</b>                                                                                         |
|                                                                                       | 3x E14   max. 12W   230V    |
|  | T 150   $\leftrightarrow$ 305   $\swarrow$ 305                                                                   |
|  |                             |
|  |                             |



### Adela

|   |                                              |
|---|----------------------------------------------|
| 1 | 50950/17/10                                  |
|   | <b>PHILIPS 12W INCL.</b>                     |
|   | 1x E14   max. 12W   230V   $\oplus$          |
|   | T 125   $\leftrightarrow$ 80   $\nearrow$ 80 |
|   |                                              |
|   |                                              |

### Adela

|   |                                               |
|---|-----------------------------------------------|
| 2 | 50952/17/10                                   |
|   | <b>PHILIPS 12W INCL.</b>                      |
|   | 2x E14   max. 12W   230V   $\oplus$           |
|   | T 112   $\leftrightarrow$ 365   $\nearrow$ 90 |
|   |                                               |
|   |                                               |

### Adela

|   |                                                |
|---|------------------------------------------------|
| 3 | 50959/17/10                                    |
|   | <b>PHILIPS 12W INCL.</b>                       |
|   | 3x E14   max. 12W   230V   $\oplus$            |
|   | T 145   $\leftrightarrow$ 300   $\nearrow$ 300 |
|   |                                                |
|   |                                                |



Save energy 



### Adela

|                                                                                     |                                                                                                                |
|-------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------|
|  | 1   50954/17/10                                                                                                |
|  | <b>PHILIPS 12W INCL.</b>                                                                                       |
|                                                                                     | 4x E14   max. 12W   230V    |
|  | T 150   → 695   ↗ 90                                                                                           |
|  |                             |
|  |                             |

### Adela

|                                                                                     |                                                                                                                |
|-------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------|
|  | 2   50956/17/10                                                                                                |
|  | <b>PHILIPS 12W INCL.</b>                                                                                       |
|                                                                                     | 6x E14   max. 12W   230V    |
|  | T 160   → 1460   ↗ 90                                                                                          |
|  |                             |
|  |                             |



### Alpina

|   |                              |
|---|------------------------------|
| 1 | 55830/17/10                  |
|   | <b>PHILIPS 12W INCL.</b>     |
|   | 1x E14   max. 12W   230V   ⊕ |
|   | T 98   ↔ 95   ↗ 95           |
|   |                              |
|   |                              |

### Alpina

|   |                              |
|---|------------------------------|
| 2 | 55832/17/10                  |
|   | <b>PHILIPS 12W INCL.</b>     |
|   | 2x E14   max. 12W   230V   ⊕ |
|   | T 125   ↔ 275   ↗ 100        |
|   |                              |
|   |                              |

### Alpina

|   |                              |
|---|------------------------------|
| 3 | 55834/17/10                  |
|   | <b>PHILIPS 12W INCL.</b>     |
|   | 4x E14   max. 12W   230V   ⊕ |
|   | T 140   ↔ 715   ↗ 100        |
|   |                              |
|   |                              |



Save energy 



### Alpina

|                                                                                     |                                                                                                                |
|-------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------|
|  | 1   55835/17/10                                                                                                |
|  | <b>PHILIPS 12W INCL.</b>                                                                                       |
|                                                                                     | 5x E14   max. 12W   230V    |
|  | T 160   → 1155   ↗ 330                                                                                         |
|  |                             |
|  |                             |

### Alpina

|                                                                                     |                                                                                                                |
|-------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------|
|  | 2   55839/17/10                                                                                                |
|  | <b>PHILIPS 12W INCL.</b>                                                                                       |
|                                                                                     | 3x E14   max. 12W   230V    |
|  | T 125   → 300   ↗ 300                                                                                          |
|  |                             |
|  |                             |



### Marcos

|   |                             |
|---|-----------------------------|
| ■ | 1   51150/17/10             |
|   | <b>PHILIPS 8W INCL.</b>     |
|   | 1x E14   max. 8W   230V   ⊕ |
|   | T 117   ↔ 100   ↗ 100       |
|   |                             |

### Marcos

|   |                             |
|---|-----------------------------|
| ■ | 2   51151/17/10             |
|   | <b>PHILIPS 8W INCL.</b>     |
|   | 1x E14   max. 8W   230V   ⊕ |
|   | T 268   ↔ 100   ↗ 100       |
|   |                             |

### Marcos

|   |                             |
|---|-----------------------------|
| ■ | 3   51152/17/10             |
|   | <b>PHILIPS 8W INCL.</b>     |
|   | 2x E14   max. 8W   230V   ⊕ |
|   | T 121   ↔ 305   ↗ 122       |
|   |                             |



Save energy 

2 



3 



### Marcos

|                                                                                     |                                                                                     |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|  | 1   51156/17/10                                                                     |
|  | <b>PHILIPS 8W INCL.</b>                                                             |
|                                                                                     | 6x E14   max. 8W   230V   $\oplus$                                                  |
|  | T 128   $\leftrightarrow$ 1956   $\nearrow$ 135                                     |
|  |  |
|  |  |

### Marcos

|                                                                                     |                                                                                     |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|  | 2   51157/17/10                                                                     |
|  | <b>PHILIPS 8W INCL.</b>                                                             |
|                                                                                     | 4x E14   max. 8W   230V   $\oplus$                                                  |
|  | T 1500   $\leftrightarrow$ 807   $\nearrow$ 120                                     |
|  |  |
|  |  |

### Marcos

|                                                                                     |                                                                                     |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|  | 3   51158/17/10                                                                     |
|  | <b>PHILIPS 8W INCL.</b>                                                             |
|                                                                                     | 4x E14   max. 8W   230V   $\oplus$                                                  |
|  | T 122   $\leftrightarrow$ 803   $\nearrow$ 122                                      |
|  |  |
|  |  |



### Usagi

|   |                              |
|---|------------------------------|
| ■ | 1   50990/17/10              |
|   | <b>PHILIPS 12W INCL.</b>     |
|   | 1x E14   max. 12W   230V   ⊕ |
|   | T 125   ↔ 130   ↗ 100        |
|   |                              |
|   |                              |

### Usagi

|   |                              |
|---|------------------------------|
| ■ | 2   50992/17/10              |
|   | <b>PHILIPS 12W INCL.</b>     |
|   | 2x E14   max. 12W   230V   ⊕ |
|   | T 170   ↔ 337   ↗ 120        |
|   |                              |
|   |                              |

### Usagi

|   |                              |
|---|------------------------------|
| ■ | 3   50994/17/10              |
|   | <b>PHILIPS 12W INCL.</b>     |
|   | 4x E14   max. 12W   230V   ⊕ |
|   | T 145   ↔ 825   ↗ 120        |
|   |                              |
|   |                              |



Save energy 



Spots

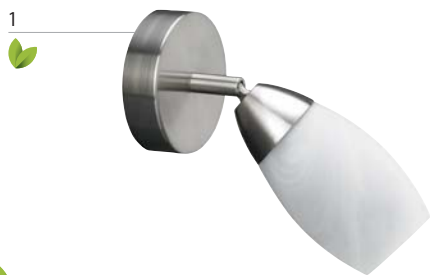
91

### Usagi

|                                                                                     |                                                                                                                |
|-------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------|
|  | 1   50995/17/10                                                                                                |
|  | <b>PHILIPS 12W INCL.</b>                                                                                       |
|                                                                                     | 5x E14   max. 12W   230V    |
|  | T 175   → 665   ↗ 665                                                                                          |
|  |                             |
|  |                             |

### Usagi

|                                                                                     |                                                                                                                |
|-------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------|
|  | 2   50999/17/10                                                                                                |
|  | <b>PHILIPS 12W INCL.</b>                                                                                       |
|                                                                                     | 3x E14   max. 12W   230V    |
|  | T 150   → 300   ↗ 300                                                                                          |
|  |                             |
|  |                             |



 Save energy



### Porium

|                                                                                     |                                                                                     |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| <input type="checkbox"/>                                                            | 1   50150/31/10                                                                     |
|   | <b>PHILIPS 12W INCL.</b><br>1x E14   max. 12W   230V   ⊕                            |
|   | T 195   ↔ 90   ↗ 90                                                                 |
|  |  |
|  |  |

### Porium

|                                                                                     |                                                                                     |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| <input type="checkbox"/>                                                            | 2   50152/31/10                                                                     |
|  | <b>PHILIPS 12W INCL.</b><br>2x E14   max. 12W   230V   ⊕                            |
|  | T 115   ↔ 365   ↗ 90                                                                |
|  |  |
|  |  |

### Porium

|                                                                                     |                                                                                     |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| <input type="checkbox"/>                                                            | 3   50154/31/10                                                                     |
|  | <b>PHILIPS 12W INCL.</b><br>4x E14   max. 12W   230V   ⊕                            |
|  | T 115   ↔ 715   ↗ 100                                                               |
|  |  |
|  |  |

### Porium

|                                                                                       |                                                                                       |
|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| <input type="checkbox"/>                                                              | 4   50159/31/10                                                                       |
|  | <b>PHILIPS 12W INCL.</b><br>3x E14   max. 12W   230V   ⊕                              |
|  | T 125   ↔ 300   ↗ 300                                                                 |
|  |  |
|  |  |



Save energy 



## Atria

|                                                                                     |                                                                                                                |
|-------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------|
|  | 1   50910/17/10                                                                                                |
|  | <b>PHILIPS 12W INCL.</b>                                                                                       |
|                                                                                     | 1x E14   max. 12W   230V    |
|  | T 90   ↔ 150   ↗ 80                                                                                            |
|  |                             |
|  |                             |

## Atria

|                                                                                     |                                                                                                                |
|-------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------|
|  | 2   50912/17/10                                                                                                |
|  | <b>PHILIPS 12W INCL.</b>                                                                                       |
|                                                                                     | 2x E14   max. 12W   230V    |
|  | T 140   ↔ 360   ↗ 110                                                                                          |
|  |                             |
|  |                             |

## Atria

|                                                                                     |                                                                                                                  |
|-------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|
|  | 3   50914/17/10                                                                                                  |
|  | <b>PHILIPS 12W INCL.</b>                                                                                         |
|                                                                                     | 4x E14   max. 12W   230V    |
|  | T 140   ↔ 850   ↗ 110                                                                                            |
|  |                               |
|  |                               |

## Atria

|                                                                                       |                                                                                                                  |
|---------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|
|  | 4   50916/17/10                                                                                                  |
|  | <b>PHILIPS 12W INCL.</b>                                                                                         |
|                                                                                       | 6x E14   max. 12W   230V    |
|  | T 180   ↔ 1115   ↗ 340                                                                                           |
|  |                             |
|  |                             |



### Thalassa

1 | 55063/17/10

 **PHILIPS 50W INCL.**

3x GU10 | max. 50W | 230V | 

 | T 90 | ↔ 250 | ↗ 250 |



### Thalassa

2 | 55067/17/10

 **PHILIPS 50W INCL.**

4x GU10 | max. 50W | 230V | 

 | T 115 | ↔ 830 | ↗ 140 |





2



3



### Thalassa

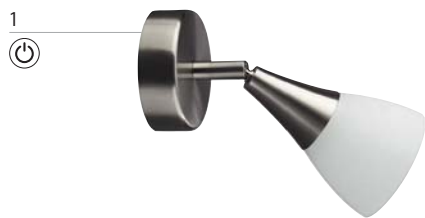
|     |                               |
|-----|-------------------------------|
| ■   | 1   55060/17/10               |
| ⚡   | <b>PHILIPS 50W INCL.</b>      |
|     | 1x GU10   max. 50W   230V   ⊕ |
| Y   | T 90   ↔ 110   ↗ 110          |
| MET | ⚠                             |
| D   | C E                           |

### Thalassa

|     |                               |
|-----|-------------------------------|
| ■   | 2   55062/17/10               |
| ⚡   | <b>PHILIPS 50W INCL.</b>      |
|     | 2x GU10   max. 50W   230V   ⊕ |
| Y   | T 90   ↔ 140   ↗ 140          |
| MET | ⚠                             |
| D   | C E                           |

### Thalassa

|     |                               |
|-----|-------------------------------|
| ■   | 3   55066/17/10               |
| ⚡   | <b>PHILIPS 50W INCL.</b>      |
|     | 2x GU10   max. 50W   230V   ⊕ |
| Y   | T 95   ↔ 315   ↗ 75           |
| MET | ⚠                             |
| D   | C E                           |



## Aura

|                              |             |
|------------------------------|-------------|
| 1                            | 52030/17/10 |
| 1x E14   max. 40W   230V   ⊕ |             |
| T 90   ↔ 80   ↗ 80           |             |
| MET                          |             |
| A+ E                         |             |

## Aura

|                              |             |
|------------------------------|-------------|
| 2                            | 52031/17/10 |
| 1x E14   max. 12W   230V   □ |             |
| T 280   ↔ 82   ↗ 320         |             |
| MET                          |             |
| A+ E                         |             |

## Aura

|                              |             |
|------------------------------|-------------|
| 3                            | 52033/17/10 |
| 3x E14   max. 40W   230V   ⊕ |             |
| T 117   ↔ 680   ↗ 95         |             |
| MET                          |             |
| A+ E                         |             |

## Aura

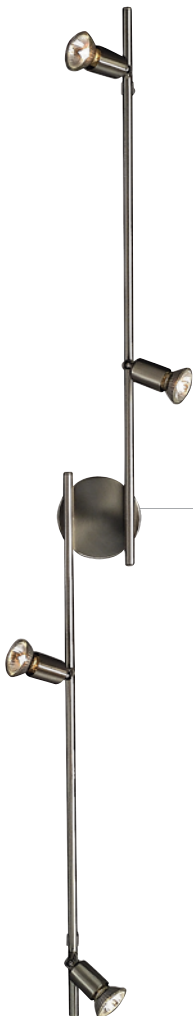
|                              |             |
|------------------------------|-------------|
| 4                            | 52038/17/10 |
| 4x E14   max. 40W   230V   ⊕ |             |
| T 117   ↔ 1320   ↗ 110       |             |
| MET                          |             |
| A+ E                         |             |



1



3



4



2



## Basic

1 | 54000/17/10

 **PHILIPS 50W INCL.**

1x GU10 | max. 50W | 230V | ⊕

 | T 85 | ↔ 80 | ↗ 80 |



## Basic

2 | 54012/17/10

 **PHILIPS 50W INCL.**

2x GU10 | max. 50W | 230V | ⊕

 | T 100 | ↔ 335 | ↗ 110 |



## Basic

3 | 54013/17/10

 **PHILIPS 50W INCL.**

3x GU10 | max. 50W | 230V | ⊕

 | T 100 | ↔ 545 | ↗ 110 |



## Basic

4 | 54014/17/10

 **PHILIPS 50W INCL.**

4x GU10 | max. 50W | 230V | ⊕

 | T 110 | ↔ 1400 | ↗ 110 |





### Phobos

|         |                     |
|---------|---------------------|
| 1       | 54060/17/10         |
| PHILIPS | 50W INCL.           |
| 1x GU10 | max. 50W   230V   ⊕ |
| Y       | T 90   ↔ 80   ↗ 80  |
| MET     |                     |
| D       | C E                 |

### Phobos

|         |                      |
|---------|----------------------|
| 2       | 54062/17/10          |
| PHILIPS | 50W INCL.            |
| 2x GU10 | max. 50W   230V   ⊕  |
| Y       | T 90   ↔ 110   ↗ 110 |
| MET     |                      |
| D       | C E                  |

### Phobos

|         |                      |
|---------|----------------------|
| 3       | 54072/17/10          |
| PHILIPS | 50W INCL.            |
| 2x GU10 | max. 50W   230V   ⊕  |
| Y       | T 100   ↔ 390   ↗ 97 |
| MET     |                      |
| D       | C E                  |



## Phobos

1 | 54063/17/10

 **PHILIPS 50W INCL.**

3x GU10 | max. 50W | 230V | ⊕

 | T 90 | ↔ 110 | ↗ 110 |

MET



## Phobos

2 | 54064/17/10

 **PHILIPS 50W INCL.**

4x GU10 | max. 50W | 230V | ⊕

 | T 100 | ↔ 620 | ↗ 100 |

MET





### Lotus

|   |                               |
|---|-------------------------------|
| 1 | 54080/17/10                   |
|   | PHILIPS 50W INCL.             |
|   | 1x GU10   max. 50W   230V   ⊕ |
|   | T 100   ↔ 80   ↗ 80           |
|   |                               |
|   |                               |

### Lotus

|   |                               |
|---|-------------------------------|
| 2 | 54082/17/10                   |
|   | PHILIPS 50W INCL.             |
|   | 2x GU10   max. 50W   230V   ⊕ |
|   | T 94   ↔ 110   ↗ 110          |
|   |                               |
|   |                               |

### Lotus

|   |                               |
|---|-------------------------------|
| 3 | 54083/17/10                   |
|   | PHILIPS 50W INCL.             |
|   | 3x GU10   max. 50W   230V   ⊕ |
|   | T 100   ↔ 193   ↗ 193         |
|   |                               |
|   |                               |

### Lotus

|   |                               |
|---|-------------------------------|
| 4 | 54084/17/10                   |
|   | PHILIPS 50W INCL.             |
|   | 4x GU10   max. 50W   230V   ⊕ |
|   | T 125   ↔ 557   ↗ 98          |
|   |                               |
|   |                               |



### Carrea

|                                                                                     |                               |
|-------------------------------------------------------------------------------------|-------------------------------|
| 1                                                                                   | 55030/17/10                   |
|  | PHILIPS 50W INCL.             |
|                                                                                     | 1x GU10   max. 50W   230V   ⊕ |
|  | T 80   ↔ 90   ↗ 90            |
|  |                               |
|  |                               |

### Carrea

|                                                                                     |                               |
|-------------------------------------------------------------------------------------|-------------------------------|
| 2                                                                                   | 55032/17/10                   |
|  | PHILIPS 50W INCL.             |
|                                                                                     | 2x GU10   max. 50W   230V   ⊕ |
|  | T 80   ↔ 130   ↗ 130          |
|  |                               |
|  |                               |

### Carrea

|                                                                                     |                               |
|-------------------------------------------------------------------------------------|-------------------------------|
| 3                                                                                   | 55034/17/10                   |
|  | PHILIPS 50W INCL.             |
|                                                                                     | 4x GU10   max. 50W   230V   ⊕ |
|  | T 80   ↔ 210   ↗ 210          |
|  |                               |
|  |                               |



### Ceres

|     |                               |
|-----|-------------------------------|
| ■   | 1   55200/17/10               |
| ⚡   | <b>PHILIPS 50W INCL.</b>      |
|     | 1x GU10   max. 50W   230V   ⊕ |
| Y   | T 90   ↗ 90   ↘ 90            |
| MET |                               |
| D   | C E                           |

### Ceres

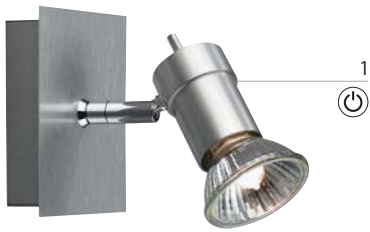
|     |                               |
|-----|-------------------------------|
| ■   | 2   55202/17/10               |
| ⚡   | <b>PHILIPS 50W INCL.</b>      |
|     | 2x GU10   max. 50W   230V   ⊕ |
| Y   | T 130   ↗ 260   ↘ 110         |
| MET |                               |
| D   | C E                           |

### Ceres

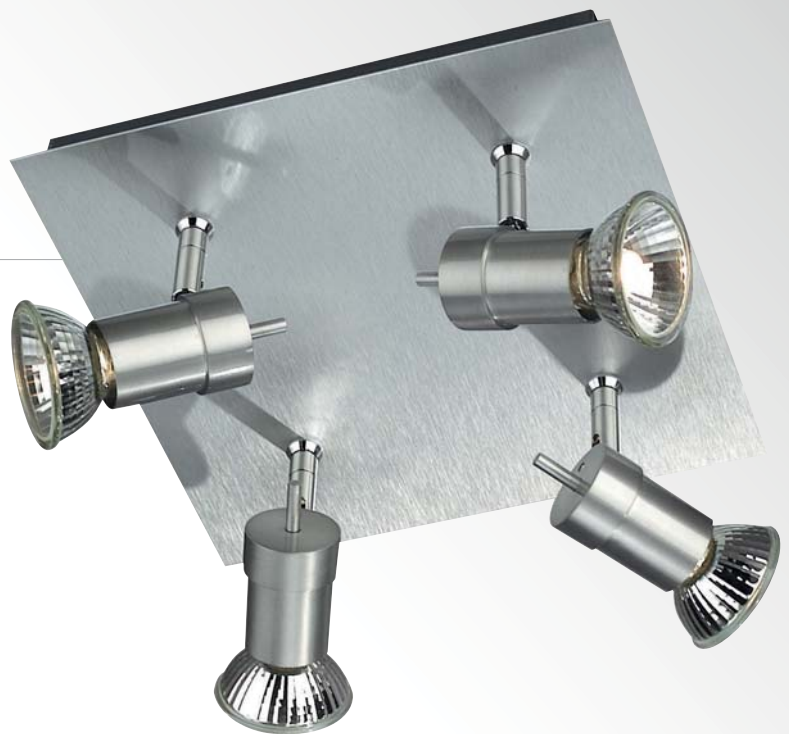
|     |                               |
|-----|-------------------------------|
| ■   | 3   55203/17/10               |
| ⚡   | <b>PHILIPS 50W INCL.</b>      |
|     | 3x GU10   max. 50W   230V   ⊕ |
| Y   | T 130   ↗ 405   ↘ 110         |
| MET |                               |
| D   | C E                           |

### Ceres

|     |                               |
|-----|-------------------------------|
| ■   | 4   55204/17/10               |
| ⚡   | <b>PHILIPS 50W INCL.</b>      |
|     | 4x GU10   max. 50W   230V   ⊕ |
| Y   | T 130   ↗ 270   ↘ 270         |
| MET |                               |
| D   | C E                           |



3



2



### Titan

|     |                               |
|-----|-------------------------------|
| ■   | 1   55080/48/10               |
| ⚡   | <b>PHILIPS 50W INCL.</b>      |
|     | 1x GU10   max. 50W   230V   ⊕ |
| └─┘ | T 100   ↔ 90   ↗ 90           |
| MET |                               |
| D   | C E                           |

### Titan

|     |                               |
|-----|-------------------------------|
| ■   | 2   55082/48/10               |
| ⚡   | <b>PHILIPS 50W INCL.</b>      |
|     | 2x GU10   max. 50W   230V   ⊕ |
| └─┘ | T 100   ↔ 130   ↗ 130         |
| MET |                               |
| D   | C E                           |

### Titan

|     |                               |
|-----|-------------------------------|
| ■   | 3   55084/48/10               |
| ⚡   | <b>PHILIPS 50W INCL.</b>      |
|     | 4x GU10   max. 50W   230V   ⊕ |
| └─┘ | T 100   ↔ 210   ↗ 210         |
| MET |                               |
| D   | C E                           |



### Kinja

|                                                                                     |                                                                                                                 |
|-------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|
|   | 1   54490/17/10                                                                                                 |
|   | <b>PHILIPS 50W INCL.</b>                                                                                        |
|                                                                                     | 1x GU10   max. 50W   230V    |
|   | T 109   ↔ 80   ↗ 80                                                                                             |
|  |                                                                                                                 |
|  |                                                                                                                 |

### Kinja

|                                                                                     |                                                                                                                 |
|-------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|
|  | 2   54492/17/10                                                                                                 |
|  | <b>PHILIPS 50W INCL.</b>                                                                                        |
|                                                                                     | 2x GU10   max. 50W   230V    |
|  | T 125   ↔ 332   ↗ 99                                                                                            |
|  |                                                                                                                 |
|  |                                                                                                                 |



### Kinja

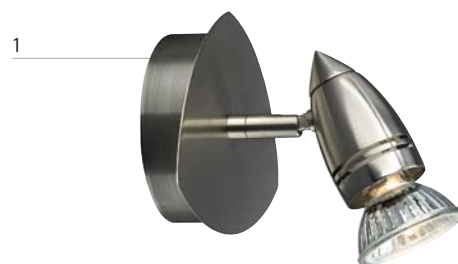
|   |                               |
|---|-------------------------------|
| 1 | 54493/17/10                   |
|   | PHILIPS 50W INCL.             |
|   | 3x GU10   max. 50W   230V   ⊕ |
|   | T 109   ↔ 194   ↗ 194         |
|   |                               |
|   |                               |

### Kinja

|   |                               |
|---|-------------------------------|
| 2 | 54494/17/10                   |
|   | PHILIPS 50W INCL.             |
|   | 4x GU10   max. 50W   230V   ⊕ |
|   | T 125   ↔ 557   ↗ 98          |
|   |                               |
|   |                               |

### Kinja

|   |                               |
|---|-------------------------------|
| 3 | 54499/17/10                   |
|   | PHILIPS 50W INCL.             |
|   | 3x GU10   max. 50W   230V   ⊕ |
|   | T 125   ↔ 316   ↗ 316         |
|   |                               |
|   |                               |



### Comet

|   |                           |
|---|---------------------------|
| 1 | 54940/17/10               |
|   | <b>PHILIPS 50W INCL.</b>  |
|   | 1x GU10   max. 50W   230V |
|   | T 118   → 130   ↗ 100     |
|   |                           |
|   |                           |

### Comet

|   |                           |
|---|---------------------------|
| 2 | 54942/17/10               |
|   | <b>PHILIPS 50W INCL.</b>  |
|   | 2x GU10   max. 50W   230V |
|   | T 170   → 335   ↗ 145     |
|   |                           |
|   |                           |

### Comet

|   |                           |
|---|---------------------------|
| 3 | 54949/17/10               |
|   | <b>PHILIPS 50W INCL.</b>  |
|   | 3x GU10   max. 50W   230V |
|   | T 160   → 300   ↗ 300     |
|   |                           |
|   |                           |



### Comet

|                                                                                     |                               |
|-------------------------------------------------------------------------------------|-------------------------------|
| 1                                                                                   | 54944/17/10                   |
|  | PHILIPS 50W INCL.             |
|                                                                                     | 4x GU10   max. 50W   230V   ⊕ |
|  | T 150   → 760   ↗ 100         |
|  |                               |
|  |                               |

### Comet

|                                                                                     |                               |
|-------------------------------------------------------------------------------------|-------------------------------|
| 2                                                                                   | 54946/17/10                   |
|  | PHILIPS 50W INCL.             |
|                                                                                     | 3x GU10   max. 50W   230V   ⊕ |
|  | T 165   → 505   ↗ 145         |
|  |                               |
|  |                               |

### Comet

|                                                                                     |                               |
|-------------------------------------------------------------------------------------|-------------------------------|
| 3                                                                                   | 54947/17/10                   |
|  | PHILIPS 50W INCL.             |
|                                                                                     | 4x GU10   max. 50W   230V   ⊕ |
|  | T 135   → 835   ↗ 145         |
|  |                               |
|  |                               |



3



Spots  
108



## Hosta

|   |                             |
|---|-----------------------------|
| 1 | 55810/43/10                 |
|   | <b>PHILIPS 28W INCL.</b>    |
|   | 1x G9   max. 28W   230V   ⚡ |
|   | T 120   ↔ 80   ↗ 80         |
|   |                             |
|   |                             |

## Hosta

|   |                             |
|---|-----------------------------|
| 2 | 55812/43/10                 |
|   | <b>PHILIPS 28W INCL.</b>    |
|   | 2x G9   max. 28W   230V   ⚡ |
|   | T 137   ↔ 360   ↗ 107       |
|   |                             |
|   |                             |

## Hosta

|   |                             |
|---|-----------------------------|
| 3 | 55819/43/10                 |
|   | <b>PHILIPS 28W INCL.</b>    |
|   | 3x G9   max. 28W   230V   ⚡ |
|   | T 130   ↔ 300   ↗ 300       |
|   |                             |
|   |                             |



Save energy 



## Hosta

|                                                                                     |                                                                                                               |
|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------|
|  | 1   55814/43/10                                                                                               |
|  | <b>PHILIPS 28W INCL.</b>                                                                                      |
|                                                                                     | 4x G9   max. 28W   230V    |
|  | T 145   → 850   ↗ 103                                                                                         |
|  |                            |
|  |                            |

## Hosta

|                                                                                     |                                                                                                               |
|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------|
|  | 2   55815/43/10                                                                                               |
|  | <b>PHILIPS 28W INCL.</b>                                                                                      |
|                                                                                     | 5x G9   max. 28W   230V    |
|  | T 165   → 560   ↗ 560                                                                                         |
|  |                            |
|  |                            |



### Protea

|                              |
|------------------------------|
| 1   55790/86/10              |
| <b>PHILIPS 12W INCL.</b>     |
| 1x E14   max. 12W   230V   ⊕ |
| Y   T 93   ↔ 95   ↗ 95       |
| MET                          |
| A                            |

### Protea

|                              |
|------------------------------|
| 2   55792/86/10              |
| <b>PHILIPS 12W INCL.</b>     |
| 2x E14   max. 12W   230V   ⊕ |
| Y   T 110   ↔ 275   ↗ 80     |
| MET                          |
| A                            |

### Protea

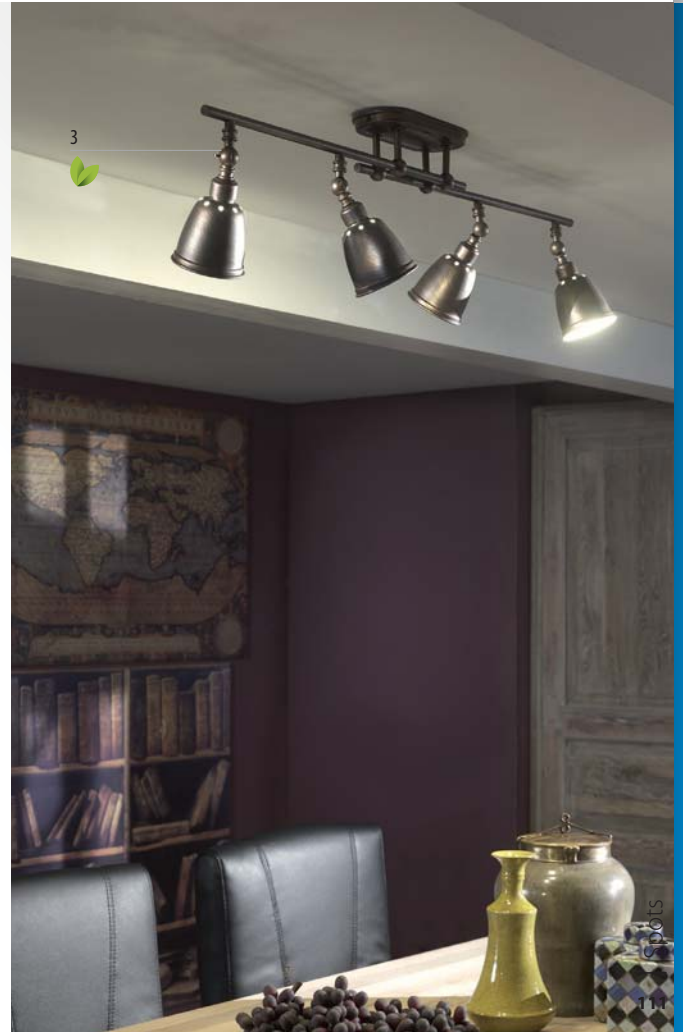
|                              |
|------------------------------|
| 3   55794/86/10              |
| <b>PHILIPS 12W INCL.</b>     |
| 4x E14   max. 12W   230V   ⊕ |
| Y   T 110   ↔ 695   ↗ 80     |
| MET                          |
| A                            |

### Protea

|                              |
|------------------------------|
| 4   55799/86/10              |
| <b>PHILIPS 12W INCL.</b>     |
| 3x E14   max. 12W   230V   ⊕ |
| Y   T 110   ↔ 300   ↗ 300    |
| MET                          |
| A                            |



Save energy 



### Petrol

|                                                                                     |                                                                                                                                                                                         |
|-------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | 1   52130/43/10                                                                                                                                                                         |
|  | 7W INCL.                                                                                                                                                                                |
|                                                                                     | 1x E14   max. 8W   230V                                                                              |
|  | T 139    97    97 |
|  |                                                                                                                                                                                         |
|  |                                                                                                      |

### Petrol

|                                                                                     |                                                                                                                                                                                          |
|-------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | 2   52132/43/10                                                                                                                                                                          |
|  | 7W INCL.                                                                                                                                                                                 |
|                                                                                     | 2x E14   max. 8W   230V                                                                               |
|  | T 209    395    97 |
|  |                                                                                                                                                                                          |
|  |                                                                                                       |

### Petrol

|                                                                                     |                                                                                                                                                                                             |
|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | 3   52134/43/10                                                                                                                                                                             |
|  | 7W INCL.                                                                                                                                                                                    |
|                                                                                     | 4x E14   max. 8W   230V                                                                                |
|  | T 204    894    98 |
|  |                                                                                                                                                                                             |
|  |                                                                                                          |



## Marcos

|                                                                                     |                                                                                     |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|   | 1   51157/86/10                                                                     |
|   | <b>PHILIPS 8W INCL.</b>                                                             |
|                                                                                     | 4x E14   max. 8W   230V   ⊕                                                         |
|   | T 1500   ↔ 807   ↗ 120                                                              |
|  |  |
|  |  |

## Marcos

|                                                                                     |                                                                                     |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|  | 2   51158/86/10                                                                     |
|  | <b>PHILIPS 8W INCL.</b>                                                             |
|                                                                                     | 4x E14   max. 8W   230V   ⊕                                                         |
|  | T 122   ↔ 803   ↗ 122                                                               |
|  |  |
|  |  |



Save energy



### Marcos

|                                                |
|------------------------------------------------|
| 1   51150/86/10                                |
| <b>PHILIPS 8W INCL.</b>                        |
| 1x E14   max. 8W   230V                        |
| T 117   $\leftrightarrow$ 100   $\nearrow$ 100 |
|                                                |
|                                                |

### Marcos

|                                                |
|------------------------------------------------|
| 2   51151/86/10                                |
| <b>PHILIPS 8W INCL.</b>                        |
| 1x E14   max. 8W   230V                        |
| T 268   $\leftrightarrow$ 100   $\nearrow$ 100 |
|                                                |
|                                                |

### Marcos

|                                                |
|------------------------------------------------|
| 3   51152/86/10                                |
| <b>PHILIPS 8W INCL.</b>                        |
| 2x E14   max. 8W   230V                        |
| T 121   $\leftrightarrow$ 305   $\nearrow$ 122 |
|                                                |
|                                                |

massive



1

Save energy



2



3



4

## Nori

|                             |
|-----------------------------|
| 1   55955/86/10             |
| PHILIPS 28W INCL.           |
| 1x G9   max. 40W   230V   ⊕ |
| Y   T 135   → 140   ↗ 150   |
| MET                         |
| D C E                       |

## Nori

|                             |
|-----------------------------|
| 2   55957/86/10             |
| PHILIPS 28W INCL.           |
| 2x G9   max. 40W   230V   ⊕ |
| Y   T 155   → 330   ↗ 130   |
| MET                         |
| D C E                       |

## Nori

|                             |
|-----------------------------|
| 3   55958/86/10             |
| PHILIPS 28W INCL.           |
| 4x G9   max. 40W   230V   ⊕ |
| Y   T 155   → 815   ↗ 130   |
| MET                         |
| D C E                       |

## Nori

|                             |
|-----------------------------|
| 4   55959/86/10             |
| PHILIPS 28W INCL.           |
| 4x G9   max. 40W   230V   ⊕ |
| Y   T 155   → 350   ↗ 330   |
| MET                         |
| D C E                       |



### Lipo

|                                                                                     |                               |
|-------------------------------------------------------------------------------------|-------------------------------|
| 1                                                                                   | 55610/05/10                   |
|  | PHILIPS 50W INCL.             |
|                                                                                     | 1x GU10   max. 50W   230V   ⊕ |
|  | T 110   ↔ 80   ↗ 90           |
|  |                               |
|  |                               |

### Lipo

|                                                                                     |                               |
|-------------------------------------------------------------------------------------|-------------------------------|
| 2                                                                                   | 55612/05/10                   |
|  | PHILIPS 50W INCL.             |
|                                                                                     | 2x GU10   max. 50W   230V   ⊕ |
|  | T 110   ↔ 150   ↗ 150         |
|  |                               |
|  |                               |

### Lipo

|                                                                                     |                               |
|-------------------------------------------------------------------------------------|-------------------------------|
| 3                                                                                   | 55614/05/10                   |
|  | PHILIPS 50W INCL.             |
|                                                                                     | 4x GU10   max. 50W   230V   ⊕ |
|  | T 131   ↔ 845   ↗ 150         |
|  |                               |
|  |                               |

### Lipo

|                                                                                       |                               |
|---------------------------------------------------------------------------------------|-------------------------------|
| 4                                                                                     | 55618/05/10                   |
|  | PHILIPS 50W INCL.             |
|                                                                                       | 4x GU10   max. 50W   230V   ⊕ |
|  | T 110   ↔ 210   ↗ 210         |
|  |                               |
|  |                               |



Recessed spots

---



1  
LED 3 set



2  
LED 3 set

## Opal

|                                                                                     |                                                                                                                     |
|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------|
|   | 1   59803/17/10                                                                                                     |
|   | PHILIPS 4W INCL.   LED                                                                                              |
|                                                                                     | 3x GU10 LED   max. 35W   230V    |
|   | ↔ 90   ⌀ 74   ⊥ 110                                                                                                 |
|  |                                                                                                                     |
|                                                                                     | IP23                                                                                                                |
|  |                                                                                                                     |

## Quartz

|                                                                                     |                                                                                                                     |
|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------|
|  | 2   59813/17/10                                                                                                     |
|  | PHILIPS 4W INCL.   LED                                                                                              |
|                                                                                     | 3x GU10 LED   max. 35W   230V    |
|  | ↔ 84   ⌀ 74   ⊥ 110                                                                                                 |
|  |                                                                                                                     |
|                                                                                     | IP23                                                                                                                |
|  |                                                                                                                     |



## Quartz

|                                                                                     |                                                                                                                 |
|-------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|
|  | 1   59323/06/10                                                                                                 |
|  | 2   59323/11/10                                                                                                 |
|  | 3   59323/17/10                                                                                                 |
|  | 4   59323/31/10                                                                                                 |
|  | <b>PHILIPS 50W INCL.</b>                                                                                        |
|                                                                                     | 3x GU10   max. 50W   230V    |
|  | ↔ 84   ⓘ 74   ⊥ 110                                                                                             |
|  |                                                                                                                 |
|  |                                                                                                                 |



1



2



4

3 set



3

3 set



5

3 set



6

3 set



7

3 set



## Opal

1 | 59330/17/10

2 | 59330/31/10

PHILIPS 50W INCL.

1x GU10 | max. 50W | 230V |

Y |  $\leftrightarrow 90^\circ$  |  $\odot 74^\circ$  |  $\perp 110^\circ$

MET

IP23



## Opal

3 | 59333/01/10

4 | 59333/06/10

5 | 59333/11/10

6 | 59333/17/10

7 | 59333/31/10

PHILIPS 50W INCL.

3x GU10 | max. 50W | 230V |

Y |  $\leftrightarrow 90^\circ$  |  $\odot 74^\circ$  |  $\perp 110^\circ$

MET

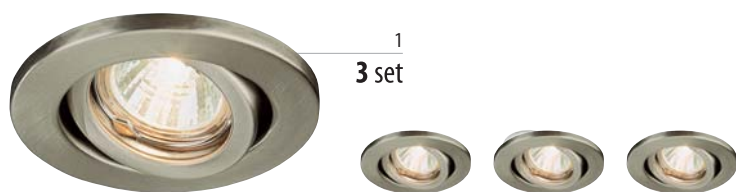
IP23





## Alpha

|                                                                                     |                                                                                                                 |
|-------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|
|  | 1   59393/06/10                                                                                                 |
|  | 2   59393/11/10                                                                                                 |
|  | 3   59393/17/10                                                                                                 |
|  | 4   59393/31/10                                                                                                 |
|  | PHILIPS 50W INCL.                                                                                               |
|                                                                                     | 3x GU10   max. 50W   230V    |
|  | ↔ 80   Ⓢ 64   ⊥ 110                                                                                             |
|  |                                                                                                                 |
|                                                                                     | IP23                                                                                                            |
|  |                                                                                                                 |



## Mira

|                                                                                     |                             |
|-------------------------------------------------------------------------------------|-----------------------------|
|   | 1   72810/23/17             |
|   | 20W INCL.                   |
|                                                                                     | 3x G4   max. 20W   230V 12V |
|   | ↔ 77   ⌀ 64   ± 105         |
|  |                             |
| IP23                                                                                |                             |
|  |                             |

## Mira

|                                                                                     |                             |
|-------------------------------------------------------------------------------------|-----------------------------|
|  | 2   72810/65/17             |
|  | 20W INCL.                   |
|                                                                                     | 5x G4   max. 20W   230V 12V |
|  | ↔ 77   ⌀ 64   ± 105         |
|  |                             |
| IP23                                                                                |                             |
|  |                             |

## Pedro

|                                                                                     |                               |
|-------------------------------------------------------------------------------------|-------------------------------|
|  | 3   72812/23/17               |
|  | PHILIPS 50W INCL.             |
|                                                                                     | 3x GU10   max. 50W   230V   □ |
|  | ↔ 100   ⌀ 80   ± 110          |
|  |                               |
| IP23                                                                                |                               |
|  |                               |



### Pitru

|                             |                    |
|-----------------------------|--------------------|
| 1                           | 250/63/17          |
| 2                           | 250/63/31          |
| 20W INCL.                   |                    |
| 3x G4   max. 20W   230V 12V |                    |
| Y                           | ↔ 70   ⌀ 60   ⊥ 30 |
| MET                         |                    |
| IP23                        |                    |
| C                           | B E                |

### Pitru

|                             |                    |
|-----------------------------|--------------------|
| 3                           | 250/65/17          |
| 20W INCL.                   |                    |
| 5x G4   max. 20W   230V 12V |                    |
| Y                           | ↔ 70   ⌀ 60   ⊥ 30 |
| MET                         |                    |
| IP23                        |                    |
| C                           | B E                |

### Glory

|                             |                    |
|-----------------------------|--------------------|
| 4                           | 59763/11/10        |
| 20W INCL.                   |                    |
| 3x G4   max. 20W   230V 12V |                    |
| Y                           | ↔ 80   ⌀ 52   ⊥ 30 |
|                             |                    |
| IP23                        |                    |
| C                           | B E                |

1



2



Save energy

4



3



## Fern

|                             |                       |
|-----------------------------|-----------------------|
| 1                           | 59785/17/10           |
| PHILIPS 8W INCL.            |                       |
| 1x E27   max. 9W   230V   ⊕ |                       |
| Y                           | ↔ 145   ⊕ 130   ⊥ 120 |
| MET                         | ⊕                     |
| A                           | A <sub>E</sub>        |

## Velvet

|                             |                       |
|-----------------------------|-----------------------|
| 2                           | 59786/17/10           |
| PHILIPS 8W INCL.            |                       |
| 1x E27   max. 9W   230V   ⊕ |                       |
| Y                           | ↔ 120   ⊕ 106   ⊥ 110 |
| MET                         | ⊕                     |
| A                           | A <sub>E</sub>        |

## Volcan

|                              |                       |
|------------------------------|-----------------------|
| 3                            | 59790/17/10           |
| PHILIPS 14W INCL.            |                       |
| 2x E27   max. 14W   230V   ⊕ |                       |
| Y                            | ↔ 190   ⊕ 173   ⊥ 120 |
| MET                          | ⊕                     |
| A                            | A <sub>E</sub>        |

## Lava

|                              |                       |
|------------------------------|-----------------------|
| 4                            | 59791/17/10           |
| PHILIPS 14W INCL.            |                       |
| 2x E27   max. 14W   230V   ⊕ |                       |
| Y                            | ↔ 163   ⊕ 148   ⊥ 110 |
| MET                          | ⊕                     |
| A                            | A <sub>E</sub>        |



1

2



Save energy 

4



3



### Tellus

1 | 59787/17/10



**PHILIPS 23W INCL.**

2x E27 | max. 23W | 230V | ⊕



| ↔ 215 | ⊕ 210 | ⊥ 115 |



### Juno

2 | 59788/17/10



**PHILIPS 23W INCL.**

2x E27 | max. 23W | 230V | ⊕



| ↔ 230 | ⊕ 213 | ⊥ 125 |



### Ronda

3 | 59799/17/10

4 | 59799/31/10



**PHILIPS 14W INCL.**

2x E27 | max. 14W | 230V | ⊕



| ↔ 230 | ⊕ 200 | ⊥ 120 |





Outdoor

---



# Outdoor

## light for outside

*The garden is an integral part of the home. Lighting in this area is used to accentuate garden paths, to illuminate doorstep and driveway, or to create a cosy ambience during a summer barbecue. Massive offers luminaires in a wide range of styles and applications: whether you are looking for modern, contemporary design or for that charming, romantic style, the outdoor luminaires of Massive match perfectly in the atmosphere of your choice.*

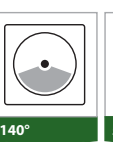
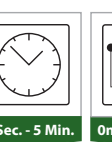
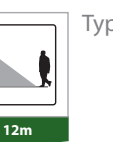
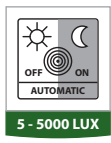
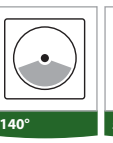
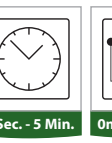
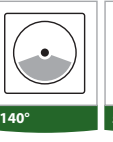
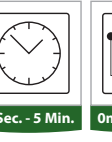
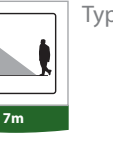
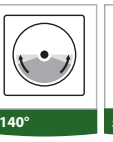
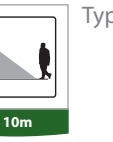
### Living under the open sky

The line between in- and outdoor life is fading. In many gardens true living rooms and summer kitchens are appearing. The garden and terrace are becoming an extra 'room' where people cook, eat, read, play, rest or work. Here, as in the rest of the home, the Massive creations help you create a pleasant, cosy ambience.

### Enjoy the weather, even the rain

Every luminaire in the Massive Outdoor collection is carefully developed and constructed to be safe and long lasting in all weather conditions as well as easy to install and maintain. On top of that, most of Massive's outdoor luminaires include Philips light bulbs, ensuring the best light output, quality and energy efficiency.

### Outdoor infrared motion sensors

|                                                                                     |                                                                                                                                            |                                                                                     |                                                                                     |                                                                                     |         |
|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------|
|  | <br>5 - 5000 LUX<br>140°<br>5 Sec. - 5 Min.<br>0m - 12m |  |  |  | Typ D-E |
|  | <br>5 - 5000 LUX<br>140°<br>5 Sec. - 5 Min.<br>0m - 6m  |  |  |  | Typ J   |
|  | <br>5 - 5000 LUX<br>140°<br>5 Sec. - 5 Min.<br>0m - 7m  |  |  |  | Typ K   |
|  | <br>5 - 5000 LUX<br>140°<br>5 Sec. - 5 Min.<br>1m - 10m |  |  |  | Typ F   |

#### P.I.R. 140°

The detection field angle of the movement sensor equals 140°.

Some detectors (type F) can be directed within a horizontal field of 230° and 45° vertically.

When mounted at a height of 2,5m the infrared sensor will react to any movement within a range of 10m (type F) / 12m (type D-E) / 7m (type K) / 6 m (type J).

- ⚙ Light sensitivity setting, stepless adjustable from 5 up to 5.000 Lux (complete darkness, dusk or daylight)
- 🕒 Time setting, stepless adjustable from 5 sec. up to 5 min.

With the help of the enclosed guards, you can adjust the detection angle yourself (only for type F).



## Graz

|                                                                                    |                                                                                                                                                                         |
|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | 1   16183/87/10                                                                                                                                                         |
|  | <b>PHILIPS 7W INCL.</b>                                                                                                                                                 |
|                                                                                    | 1x GX53   max. 9W   230V                                                             |
|  | ↓ 50   ↔ 100   ↗ 151                                                                                                                                                    |
|                                                                                    |   |
|                                                                                    | IP44                                                                                                                                                                    |
|                                                                                    |   |

## Graz

|                                                                                     |                                                                                                                                                                         |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | 2   16184/87/10                                                                                                                                                         |
|  | <b>PHILIPS 7W INCL.</b>                                                                                                                                                 |
|                                                                                     | 1x GX53   max. 9W   230V                                                             |
|  | ↓ 400   ↔ 100   ↗ 152                                                                                                                                                   |
|                                                                                     |   |
|                                                                                     | IP44                                                                                                                                                                    |
|                                                                                     |   |

## Graz

|                                                                                     |                                                                                                                                                                         |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | 3   16185/87/10                                                                                                                                                         |
|  | <b>PHILIPS 7W INCL.</b>                                                                                                                                                 |
|                                                                                     | 1x GX53   max. 9W   230V                                                           |
|  | ↓ 800   ↔ 100   ↗ 152                                                                                                                                                   |
|                                                                                     |   |
|                                                                                     | IP44                                                                                                                                                                    |
|                                                                                     |   |



1



2



3



5



4

Outdoor

131

## Oslo

|                          |                |
|--------------------------|----------------|
|                          | 1   1726/01/47 |
|                          | 2   1726/01/93 |
| 1x E27   max. 60W   230V |                |
| 1 260   ↔ 235   ↗ 95     |                |
| (2)                      |                |
| IP44                     |                |
|                          |                |

## Oslo

|                          |                |
|--------------------------|----------------|
|                          | 3   1826/01/47 |
| 1x E27   max. 60W   230V |                |
| 1 260   ↔ 235   ↗ 95     |                |
|                          |                |
| IP44   day/night sensor  |                |
|                          |                |

## Oslo

|                           |                 |
|---------------------------|-----------------|
|                           | 4   17014/47/10 |
| 1x E27   max. 60W   230V  |                 |
| 1 260   ↔ 235   ↗ 95      |                 |
|                           |                 |
| IP44   P.I.R. 140° Type J |                 |
|                           |                 |

## Caracas

|                          |                 |
|--------------------------|-----------------|
|                          | 5   17035/47/10 |
| 1x E14   max. 11W   230V |                 |
| 1 110   ↔ 265   ↗ 105    |                 |
|                          |                 |
| IP44                     |                 |
|                          |                 |

massive

1



2



Save energy



4



### Calgary

|                              |             |
|------------------------------|-------------|
| 1                            | 16333/47/10 |
| PHILIPS 14W INCL.            |             |
| 1x E27   max. 14W   230V   ⚡ |             |
| Y   ↓ 225   ↔ 100   ↗ 145    |             |
| INOX SYN                     |             |
| IP44                         |             |
| A A E                        |             |

### Calgary

|                              |             |
|------------------------------|-------------|
| 2                            | 16334/47/10 |
| PHILIPS 14W INCL.            |             |
| 1x E27   max. 14W   230V   ⚡ |             |
| Y   ↓ 224   ↔ 100   ↗ 150    |             |
| INOX SYN                     |             |
| IP44   P.I.R. 140° Type J    |             |
| A A E                        |             |

### Calgary

|                              |             |
|------------------------------|-------------|
| 3                            | 16335/47/10 |
| PHILIPS 14W INCL.            |             |
| 1x E27   max. 14W   230V   ⚡ |             |
| Y   ↓ 407   ↔ 100   ↗ 100    |             |
| INOX SYN                     |             |
| IP44                         |             |
| A A E                        |             |

### Calgary

|                              |             |
|------------------------------|-------------|
| 4                            | 16336/47/10 |
| PHILIPS 14W INCL.            |             |
| 1x E27   max. 14W   230V   ⚡ |             |
| Y   ↓ 810   ↔ 100   ↗ 100    |             |
| INOX SYN                     |             |
| IP44                         |             |
| A A E                        |             |



1



2



3



4

### Calgary

|                              |
|------------------------------|
| 1   17025/47/10              |
| 1x E27   max. 60W   230V   ☐ |
| Y   ↑ 155   ↔ 140   ↗ 100    |
| INOX                         |
| IP44                         |
| A <sub>E</sub>               |

### Calgary

|                              |
|------------------------------|
| 2   17026/47/10              |
| 1x E27   max. 60W   230V   ☐ |
| Y   ↑ 190   ↔ 140   ↗ 110    |
| INOX                         |
| IP44   P.I.R. 140° Type J    |
| A <sub>E</sub>               |

### Calgary

|                              |
|------------------------------|
| 3   17173/47/10              |
| PHILIPS 12W INCL.            |
| 1x E14   max. 12W   230V   ☐ |
| Y   ↑ 200   ↔ 176   ↗ 93     |
| INOX                         |
| IP44                         |
| A <sub>E</sub>               |

### Calgary

|                              |
|------------------------------|
| 4   17174/47/10              |
| PHILIPS 12W INCL.            |
| 1x E14   max. 12W   230V   ☐ |
| Y   ↑ 235   ↔ 177   ↗ 110    |
| INOX                         |
| IP44   P.I.R. 140° Type J    |
| A <sub>E</sub>               |



4

## Bristol

|                           |             |
|---------------------------|-------------|
| 1                         | 17008/47/10 |
| 1x E27   max. 60W   230V  |             |
| Y   ↓ 270   ↔ 190   ↗ 125 |             |
|                           |             |
| IP44                      |             |
|                           |             |

## Vilnius

|                           |             |
|---------------------------|-------------|
| 2                         | 17023/47/10 |
| 1x E27   max. 60W   230V  |             |
| Y   ↓ 150   ↔ 140   ↗ 105 |             |
|                           |             |
| IP44                      |             |
|                           |             |

## Vilnius

|                           |             |
|---------------------------|-------------|
| 3                         | 17024/47/10 |
| 1x E27   max. 60W   230V  |             |
| Y   ↓ 190   ↔ 140   ↗ 110 |             |
|                           |             |
| IP44   P.I.R. 140° Type J |             |
|                           |             |

## Astana

|                           |             |
|---------------------------|-------------|
| 4                         | 17180/47/10 |
| <b>PHILIPS 15W INCL.</b>  |             |
| 1x E27   max. 15W   230V  |             |
| Y   ↓ 295   ↔ 225   ↗ 100 |             |
|                           |             |
| IP44                      |             |
|                           |             |



Save energy 



Outdoor  
135

### Birmingham

|                                                                                     |                                                                                                                                                                         |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | 1   16190/47/10                                                                                                                                                         |
|                                                                                     | 1x E27   max. 20W   230V                                                             |
|  | 1 380   ↔ 110   ↗ 230                                                                                                                                                   |
|                                                                                     |   |
|                                                                                     | IP44                                                                                                                                                                    |
|                                                                                     |                                                                                      |

### Birmingham

|                                                                                     |                                                                                                                                                                         |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | 2   16191/47/10                                                                                                                                                         |
|                                                                                     | 1x E27   max. 20W   230V                                                             |
|  | 1 395   ↔ 110   ↗ 110                                                                                                                                                   |
|                                                                                     |   |
|                                                                                     | IP44                                                                                                                                                                    |
|                                                                                     |                                                                                      |

### Birmingham

|                                                                                     |                                                                                                                                                                         |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | 3   16192/47/10                                                                                                                                                         |
|                                                                                     | 1x E27   max. 20W   230V                                                           |
|  | 1 795   ↔ 110   ↗ 110                                                                                                                                                   |
|                                                                                     |   |
|                                                                                     | IP44                                                                                                                                                                    |
|                                                                                     |                                                                                      |

massive

1



Save energy

2



Outdoor

136

4



## Utrecht

|                              |            |
|------------------------------|------------|
| 1                            | 1907/01/47 |
| 1x E27   max. 20W   230V   ⚡ |            |
| 400   ↔ 80   ↗ 180           |            |
| INOX SYN                     |            |
| IP44                         |            |
| A+ E                         |            |

## Utrecht

|                              |            |
|------------------------------|------------|
| 2                            | 1908/01/47 |
| 1x E27   max. 20W   230V   ⚡ |            |
| 440   ↔ 110   ↗ 110          |            |
| INOX SYN                     |            |
| IP44                         |            |
| A+ E                         |            |

## Utrecht

|                              |            |
|------------------------------|------------|
| 3                            | 1909/01/47 |
| 1x E27   max. 20W   230V   ⚡ |            |
| 785   ↔ 110   ↗ 110          |            |
| INOX SYN                     |            |
| IP44                         |            |
| A+ E                         |            |

## Utrecht

|                              |            |
|------------------------------|------------|
| 4                            | 1910/01/47 |
| 1x E27   max. 20W   230V   ⚡ |            |
| 1090   ↔ 110   ↗ 110         |            |
| INOX SYN                     |            |
| IP44                         |            |
| A+ E                         |            |



## Utrecht

|                              |
|------------------------------|
| 1   1911/01/47               |
| 1x E27   max. 20W   230V   ⚡ |
| Y     415   ↔ 76   ↗ 100     |
| INOX SYN                     |
| IP44   P.I.R. 140° Type J    |
| Ä E                          |

## Utrecht

|                              |
|------------------------------|
| 2   1912/01/47               |
| 1x E27   max. 20W   230V   ⚡ |
| Y     1090   ↔ 111   ↗ 111   |
| INOX SYN                     |
| IP44   P.I.R. 140° Type K    |
| Ä E                          |

## Beaumont

|                              |
|------------------------------|
| 3   16120/47/10              |
| 1x E27   max. 60W   230V   ⚡ |
| Y     290   ↔ 182   ↗ 210    |
| INOX SYN                     |
| IP44                         |
| Ä E                          |

## Beaumont

|                              |
|------------------------------|
| 4   16121/47/10              |
| 1x E27   max. 60W   230V   ⚡ |
| Y     455   ↔ 182   ↗ 182    |
| INOX SYN                     |
| IP44                         |
| Ä E                          |



## Montreal

|         |                       |
|---------|-----------------------|
| 1       | 16089/47/10           |
| PHILIPS | 28W INCL.             |
| 1x G9   | max. 60W   230V   ☐   |
| Y       | ↓ 135   ↔ 170   ↗ 165 |
| INOX    | SYN                   |
| IP44    |                       |
| D       | C E                   |

## Linz

|         |                      |
|---------|----------------------|
| 2       | 16314/47/10          |
| PHILIPS | 18W INCL.            |
| 1x E27  | max. 18W   230V   ☐  |
| Y       | ↓ 200   ↔ 200   ↗ 85 |
| INOX    | SYN                  |
| IP44    |                      |
| A       | A E                  |

## Linz

|         |                       |
|---------|-----------------------|
| 3       | 16315/47/10           |
| PHILIPS | 18W INCL.             |
| 1x E27  | max. 18W   230V   ☐   |
| Y       | ↓ 200   ↔ 200   ↗ 100 |
| INOX    | SYN                   |
| IP44    | P.I.R. 140° Type J    |
| A       | A E                   |

## Vaduz

|        |                      |
|--------|----------------------|
| 4      | 17261/47/10          |
| 1x E27 | max. 23W   230V   ☐  |
| Y      | ↓ 240   ↔ 240   ↗ 80 |
| INOX   | SYN                  |
| IP44   |                      |
| A      | A E                  |



### Bochum

|                                                                                                                                                                         |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  1   16157/47/10                                                                     |
|  <b>PHILIPS 35W INCL.</b>                                                            |
| 2x GU10   max. 35W   230V                                                            |
|    ↑ 182   ↔ 64   ↗ 110                                                              |
|   |
| IP44                                                                                                                                                                    |
|   |

### Radom

|                                                                                                                                                                         |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  2   17116/47/10                                                                     |
| 1x E27   max. 60W   230V                                                             |
|    ↑ 290   ↔ 240   ↗ 310                                                             |
|   |
| IP44                                                                                                                                                                    |
|                                                                                      |

### Catania

|                                                                                                                                                                         |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  3   17263/47/10                                                                     |
| 2x E14   max. 40W   230V                                                           |
|    ↑ 270   ↔ 82   ↗ 89                                                               |
|   |
| IP44                                                                                                                                                                    |
|                                                                                      |



### Galveston

|                              |             |
|------------------------------|-------------|
| 1                            | 16076/47/10 |
| 1x E27   max. 60W   230V   ⚡ |             |
| ↓ 320   ↔ 195   ↗ 205        |             |
| INOX                         |             |
| IP44                         |             |
| A E                          |             |

### Galveston

|                              |             |
|------------------------------|-------------|
| 2                            | 16077/47/10 |
| 1x E27   max. 60W   230V   ⚡ |             |
| ↓ 345   ↔ 195   ↗ 205        |             |
| INOX                         |             |
| IP44                         |             |
| A E                          |             |

### Houston

|                              |             |
|------------------------------|-------------|
| 3                            | 17055/47/10 |
| 1x E27   max. 60W   230V   ⚡ |             |
| ↓ 370   ↔ 175   ↗ 220        |             |
| INOX                         |             |
| IP44   P.I.R. 140° Type D    |             |
| A E                          |             |

### Houston

|                              |             |
|------------------------------|-------------|
| 4                            | 71528/01/47 |
| 1x E27   max. 60W   230V   ⚡ |             |
| ↓ 310   ↔ 170   ↗ 215        |             |
| INOX                         |             |
| IP44                         |             |
| A E                          |             |



4



5



3



1



2

### Napels

■ 1 | 1304/01/30

□ 2 | 1304/01/31

1x E27 | max. 100W | 230V | ☐

Y | ↑ 365 | ↔ 255 | ↗ 125 |

ALU SYN

IP44



### Dublin

□ 3 | 1465/01/31

1x E27 | max. 60W | 230V | ☐

Y | ↑ 260 | ↔ 185 | ↗ 105 |

ALU SYN

IP44



### Sliven

■ 4 | 17234/30/10

■ 5 | 17234/87/10

⚡ PHILIPS 50W INCL.

1x GU10 | max. 50W | 230V | ☐

Y | ↑ 180 | ↔ 90 | ↗ 110 |

ALU SYN

IP44





### Babylon

|                              |
|------------------------------|
| 1   15422/42/10              |
| 1x E27   max. 60W   230V   ⚡ |
| Y     355   ↔ 173   ↗ 173    |
| ALU                          |
| IP44                         |
| ÄE                           |

### Babylon

|                              |
|------------------------------|
| 2   15423/42/10              |
| 1x E27   max. 60W   230V   ⚡ |
| Y     1060   ↔ 173   ↗ 173   |
| ALU                          |
| IP44                         |
| ÄE                           |

### Babylon

|                              |
|------------------------------|
| 3   15425/42/10              |
| 3x E27   max. 60W   230V   ⚡ |
| Y     2090   ↔ 590   ↗ 515   |
| ALU                          |
| IP44                         |
| ÄE                           |

### Babylon

|                              |
|------------------------------|
| 4   15426/42/10              |
| 1x E27   max. 60W   230V   ⚡ |
| Y     777   ↔ 173   ↗ 173    |
| ALU                          |
| IP44                         |
| ÄE                           |

2



4



3



Outdoor

143

## Babylon

|                              |
|------------------------------|
| 1   15420/42/10              |
| 1x E27   max. 60W   230V   ☺ |
| Y     325   ↔ 172   ↗ 263    |
| ALU                          |
| IP44                         |
| A <sub>E</sub>               |

## Babylon

|                              |
|------------------------------|
| 2   15421/42/10              |
| 1x E27   max. 60W   230V   ☺ |
| Y     326   ↔ 173   ↗ 215    |
| ALU                          |
| IP44                         |
| A <sub>E</sub>               |

## Babylon

|                              |
|------------------------------|
| 3   15428/42/10              |
| 1x E27   max. 60W   230V   ☺ |
| Y     325   ↔ 173   ↗ 263    |
| ALU                          |
| IP44   P.I.R. 140° Type D    |
| A <sub>E</sub>               |

## Babylon

|                              |
|------------------------------|
| 4   15429/42/10              |
| 2x E27   max. 23W   230V   ☺ |
| Y     100   ↔ 230   ↗ 230    |
| ALU SYN                      |
| IP44                         |
| A <sub>E</sub>               |

2



1



3



### Monastir

|                               |
|-------------------------------|
| 1   15190/86/10               |
| 1x E27   max. 100W   230V   ☺ |
| Y   ↓ 435   ↔ 150   ↗ 190     |
| ALU                           |
| IP43                          |
| A E                           |

### Monastir

|                               |
|-------------------------------|
| 2   15191/86/10               |
| 1x E27   max. 100W   230V   ☺ |
| Y   ↓ 340   ↔ 150   ↗ 190     |
| ALU                           |
| IP43                          |
| A E                           |

### Monastir

|                               |
|-------------------------------|
| 3   15192/86/10               |
| 1x E27   max. 100W   230V   ☺ |
| Y   ↓ 485   ↔ 150   ↗ 150     |
| ALU                           |
| IP43                          |
| A E                           |

2



1

### Monastir

|                               |
|-------------------------------|
| 1   15195/86/10               |
| 3x E27   max. 100W   230V   ☺ |
| Y   ↓ 1953   ↔ 505   ↗ 505    |
| ALU                           |
| IP43                          |
| A+ E                          |

### Monastir

|                              |
|------------------------------|
| 2   15196/86/10              |
| 1x E27   max. 60W   230V   ☺ |
| Y   ↓ 900   ↔ 150   ↗ 150    |
| ALU                          |
| IP43                         |
| A+ E                         |



1



3



2

### München

|                               |
|-------------------------------|
| 1   15170/42/10               |
| 1x E27   max. 100W   230V   ☺ |
| Y   ↓ 450   ↔ 180   ↗ 260     |
| ALU                           |
| IP44                          |
| ÄE                            |

### München

|                               |
|-------------------------------|
| 2   15171/42/10               |
| 1x E27   max. 100W   230V   ☺ |
| Y   ↓ 460   ↔ 180   ↗ 260     |
| ALU                           |
| IP44                          |
| ÄE                            |

### München

|                               |
|-------------------------------|
| 3   15172/42/10               |
| 1x E27   max. 100W   230V   ☺ |
| Y   ↓ 450   ↔ 180   ↗ 180     |
| ALU                           |
| IP44                          |
| ÄE                            |



3



2



Outdoor

147

## München

|                               |
|-------------------------------|
| 1   15173/42/10               |
| 1x E27   max. 100W   230V   ☉ |
| Y     1240   ↔ 180   ↗ 180    |
| ALU                           |
| IP44                          |
| A <sub>E</sub>                |

## München

|                               |
|-------------------------------|
| 2   15175/42/10               |
| 3x E27   max. 100W   230V   ☉ |
| Y     2080   ↔ 610   ↗ 610    |
| ALU                           |
| IP44                          |
| A <sub>E</sub>                |

## München

|                              |
|------------------------------|
| 3   15176/42/10              |
| 1x E27   max. 60W   230V   ☉ |
| Y     980   ↔ 180   ↗ 180    |
| ALU                          |
| IP44                         |
| A <sub>E</sub>               |



### Murcia

|                                                                                                                                                                         |                 |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|
|                                                                                       | 1   15221/86/10 |
| 1x E27   max. 100W   230V                                                            |                 |
|    ↓ 340   ↔ 160   ↗ 195                                                              |                 |
|   |                 |
| IP44                                                                                                                                                                    |                 |
|                                                                                      |                 |

### Varese

|                                                                                                                                                                         |                 |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|
|                                                                                      | 2   15440/86/10 |
| 1x E27   max. 100W   230V                                                            |                 |
|    ↓ 438   ↔ 215   ↗ 273                                                             |                 |
|   |                 |
| IP44                                                                                                                                                                    |                 |
|                                                                                      |                 |

### Algiers

|                                                                                                                                                                         |                 |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|
|                                                                                      | 3   16188/42/10 |
| 1x E27   max. 60W   230V                                                           |                 |
|    ↓ 446   ↔ 123   ↗ 187                                                             |                 |
|   |                 |
| IP44                                                                                                                                                                    |                 |
|                                                                                      |                 |



### Bogota

|                          |
|--------------------------|
| 1   17236/54/10          |
| 1x E27   max. 60W   230V |
| 1 290   ↔ 130   ↗ 175    |
|                          |
| IP44                     |
|                          |

### Damascus

|                          |
|--------------------------|
| 2   17237/54/10          |
| 3   17237/86/10          |
| 1x E27   max. 60W   230V |
| 1 224   ↔ 222   ↗ 248    |
|                          |
| IP44                     |
|                          |

2



1



Outdoor  
150

## Cádiz

1 | 17131/86/10

1x E27 | max. 60W | 230V | ☐

Y | ↓ 260 | ↔ 230 | ↗ 92 |

ALU SYN

IP44



## Salvador

2 | 17156/42/10

50W INCL.

2x GU10 | max. 50W | 230V | ☐

Y | ↓ 190 | ↔ 74 | ↗ 116 |

ALU

IP44



2



1



Outdoor  
151

### Cambridge

|                                                                                         |
|-----------------------------------------------------------------------------------------|
| 1   15251/42/10                                                                         |
| 1x E27   max. 60W   230V   ☉                                                            |
| Y   1 286   ↔ 170   ↗ 204                                                               |
| ALU  |
| IP44                                                                                    |
|      |

### Cambridge

|                                                                                         |
|-----------------------------------------------------------------------------------------|
| 2   15258/42/10                                                                         |
| 1x E27   max. 60W   230V   ☉                                                            |
| Y   1 339   ↔ 170   ↗ 204                                                               |
| ALU  |
| IP44   P.I.R. 140° Type D                                                               |
|      |



## Lima

|                              |
|------------------------------|
| 1   71422/01/30              |
| 1x E27   max. 60W   230V   ⚡ |
| Y     375   ↔ 150   ↗ 205    |
| ALU                          |
| IP44   P.I.R. 140° Type D    |
| ÄE                           |

## Lima

|                              |
|------------------------------|
| 2   71425/01/30              |
| 1x E27   max. 60W   230V   ⚡ |
| Y     330   ↔ 150   ↗ 205    |
| ALU                          |
| IP44                         |
| ÄE                           |

## Lima

|                              |
|------------------------------|
| 3   71426/01/30              |
| 1x E27   max. 60W   230V   ⚡ |
| Y     355   ↔ 150   ↗ 205    |
| ALU                          |
| IP44                         |
| ÄE                           |

## Lima

|                              |
|------------------------------|
| 4   71427/01/30              |
| 1x E27   max. 60W   230V   ⚡ |
| Y     400   ↔ 175   ↗ 175    |
| ALU                          |
| IP44                         |
| ÄE                           |



### Lima

|                              |
|------------------------------|
| 1   71421/01/30              |
| 1x E27   max. 60W   230V   ⚡ |
| Y     810   ↔ 150   ↗ 150    |
| ALU                          |
| IP44                         |
| A+ E                         |

### Lima

|                              |
|------------------------------|
| 2   71424/01/30              |
| 1x E27   max. 60W   230V   ⚡ |
| Y     290   ↔ 150   ↗ 150    |
| ALU                          |
| IP44                         |
| A+ E                         |

### Lima

|                              |
|------------------------------|
| 3   71427/03/30              |
| 3x E27   max. 60W   230V   ⚡ |
| Y     2000   ↔ 560   ↗ 560   |
| ALU                          |
| IP44                         |
| A+ E                         |



## Peking

■ 1 | 71525/01/30

□ 2 | 71525/01/31

■ 3 | 71525/01/42

1x E27 | max. 60W | 230V | ⚡

Y | ↓ 346 | ↔ 175 | ↗ 235 |



IP44





## Peking

1 | 71526/01/30

2 | 71526/01/31

3 | 71526/01/42

1x E27 | max. 60W | 230V | ⚡

Y | 1346 | ↔ 175 | ↗ 235 |



IP44





### Peking

|                              |                 |
|------------------------------|-----------------|
| ■                            | 1   71522/01/30 |
| □                            | 2   71522/01/31 |
| ■                            | 3   71522/01/42 |
| 1x E27   max. 60W   230V   ⚡ |                 |
| Y   ↓ 370   ↔ 175   ↗ 220    |                 |
| ALU   🍷                      |                 |
| IP44   P.I.R. 140° Type D    |                 |
| A+ E                         |                 |

### Peking

|                              |                 |
|------------------------------|-----------------|
| ■                            | 4   71524/01/30 |
| □                            | 5   71524/01/31 |
| 1x E27   max. 60W   230V   ⚡ |                 |
| Y   ↓ 935   ↔ 205   ↗ 205    |                 |
| ALU   🍷                      |                 |
| IP44                         |                 |
| A+ E                         |                 |



### Peking

|                              |                 |
|------------------------------|-----------------|
| ■                            | 1   71521/01/30 |
| □                            | 2   71521/01/31 |
| ■                            | 3   71521/01/42 |
| 1x E27   max. 60W   230V   ⚡ |                 |
| Y     1000   ↔ 175   ↗ 175   |                 |
| ALU   🍷                      |                 |
| IP44                         |                 |
| A+ E                         |                 |

### Peking

|                              |                 |
|------------------------------|-----------------|
| ■                            | 4   71527/03/30 |
| □                            | 5   71527/03/31 |
| ■                            | 6   71527/03/42 |
| 3x E27   max. 60W   230V   ⚡ |                 |
| Y     1850   ↔ 560   ↗ 560   |                 |
| ALU   🍷                      |                 |
| IP44                         |                 |
| A+ E                         |                 |



### Dubrovnik

|                                                           |                 |
|-----------------------------------------------------------|-----------------|
| <input type="checkbox"/>                                  | 1   15030/31/10 |
| <input checked="" type="checkbox"/>                       | 2   15030/45/10 |
| 1x E27   max. 100W   230V                                 |                 |
| ↓ 500   ↔ 170   ↗ 245                                     |                 |
| <input type="checkbox"/> ALU <input type="checkbox"/> SYN |                 |
| IP44                                                      |                 |
|                                                           |                 |

### Dubrovnik

|                                                           |                 |
|-----------------------------------------------------------|-----------------|
| <input type="checkbox"/>                                  | 3   15038/31/10 |
| <input checked="" type="checkbox"/>                       | 4   15038/45/10 |
| 1x E27   max. 100W   230V                                 |                 |
| ↓ 550   ↔ 170   ↗ 275                                     |                 |
| <input type="checkbox"/> ALU <input type="checkbox"/> SYN |                 |
| IP44   P.I.R. 140° Type D                                 |                 |
|                                                           |                 |



1



2



3



4

## Dubrovnik

☐ 1 | 15031/31/10

☒ 2 | 15031/45/10

1x E27 | max. 100W | 230V | ☉

Y | 1 500 | 170 | 250 |

ALU SYN

IP44



## Dubrovnik

☐ 3 | 15035/31/10

☒ 4 | 15035/45/10

3x E27 | max. 100W | 230V | ☉

Y | 1 2250 | 600 | 600 |

ALU SYN

IP44



1



3



2



4



## Glasgow

1 | 1643/81/30

2 | 1643/81/86

1x E27 | max. 60W | 230V | ⚡

Y | ↓ 237 | ↔ 300 | ↗ 366 |



IP44



## Palermo

3 | 1816/01/42

1x E27 | max. 60W | 230V | ⚡

Y | ↓ 290 | ↔ 300 | ↗ 350 |



IP44



## Vancouver

4 | 17000/47/10

1x E27 | max. 60W | 230V | ⚡

Y | ↓ 320 | ↔ 245 | ↗ 275 |



IP44





## Bali

|                                     |                 |
|-------------------------------------|-----------------|
| <input type="checkbox"/>            | 1   16007/31/10 |
| <input checked="" type="checkbox"/> | 2   16007/65/10 |
| 1x E27   max. 60W   230V            |                 |
| 1 460   ↔ 200   ↗ 200               |                 |
|                                     |                 |
| IP44                                |                 |
|                                     |                 |

## Bali

|                                     |                 |
|-------------------------------------|-----------------|
| <input checked="" type="checkbox"/> | 3   16008/65/10 |
| 1x E27   max. 60W   230V            |                 |
| 1 985   ↔ 205   ↗ 205               |                 |
|                                     |                 |
| IP44                                |                 |
|                                     |                 |

## Bali

|                                     |                 |
|-------------------------------------|-----------------|
| <input type="checkbox"/>            | 4   71825/01/31 |
| <input checked="" type="checkbox"/> | 5   71825/01/65 |
| 1x E27   max. 60W   230V            |                 |
| 1 265   ↔ 200   ↗ 265               |                 |
|                                     |                 |
| IP44                                |                 |
|                                     |                 |

2



3



1



4



## Boston

|                                     |                |
|-------------------------------------|----------------|
| <input checked="" type="checkbox"/> | 1   1300/01/30 |
| <input type="checkbox"/>            | 2   1300/01/31 |
| 1x E27   max. 60W   230V            |                |
| ↓ 240   ↔ 190   ↗ 140               |                |
|                                     |                |
| IP44   P.I.R. 140° Type D           |                |
|                                     |                |

## Boston

|                                     |                |
|-------------------------------------|----------------|
| <input checked="" type="checkbox"/> | 3   1302/01/30 |
| <input type="checkbox"/>            | 4   1302/01/31 |
| 1x E27   max. 60W   230V            |                |
| ↓ 200   ↔ 200   ↗ 140               |                |
|                                     |                |
| IP44                                |                |
|                                     |                |



### Cleveland

|                                                                                                                                                                         |                 |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|
|                                                                                      | 1   17090/31/10 |
|                                                                                      | 2   17090/87/10 |
| 1x E27   max. 40W   230V                                                             |                 |
|    $\downarrow$ 143   $\leftrightarrow$ 214   $\nearrow$ 105                         |                 |
|   |                 |
| IP44                                                                                                                                                                    |                 |
|                                                                                      |                 |

### Casablanca

|                                                                                                                                                                         |                 |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|
|                                                                                      | 3   71416/01/30 |
|                                                                                      | 4   71416/01/31 |
| 1x E27   max. 42W   230V                                                             |                 |
|    $\downarrow$ 100   $\leftrightarrow$ 270   $\nearrow$ 270                         |                 |
|   |                 |
| IP44                                                                                                                                                                    |                 |
|                                                                                      |                 |

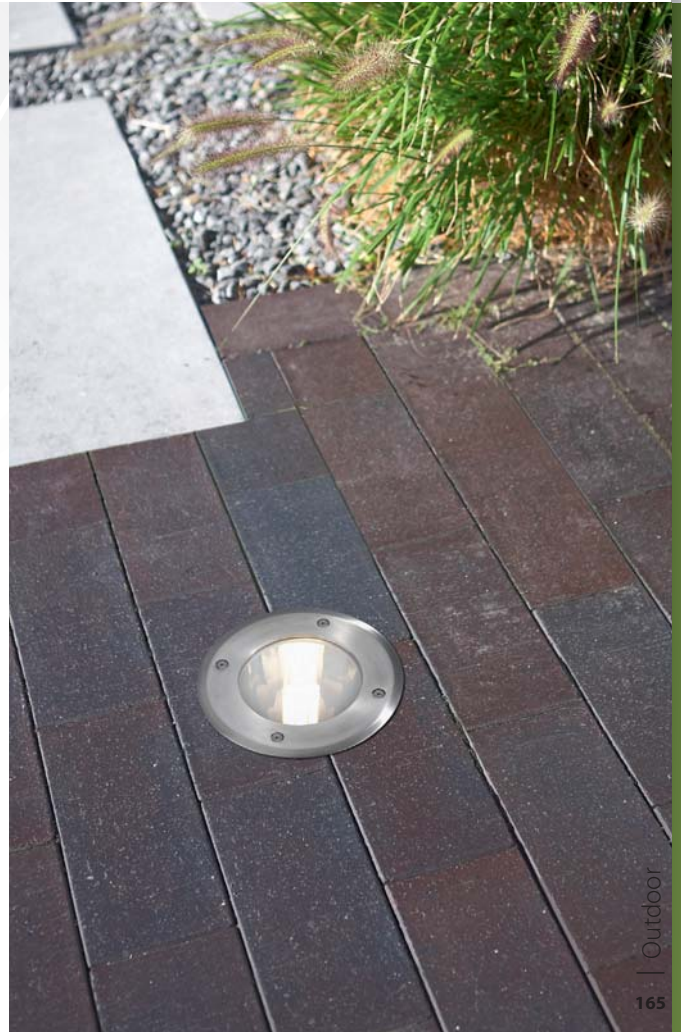


## Pula

|                                                                                    |                                                                                                                                                                         |
|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1                                                                                  | 17112/30/10                                                                                                                                                             |
|  | <b>PHILIPS 50W INCL.</b>                                                                                                                                                |
|                                                                                    | 1x GU10   max. 50W   230V                                                            |
|  | 105   ↔ 97   ↗ 97                                                                                                                                                       |
|                                                                                    |   |
|                                                                                    | IP44                                                                                                                                                                    |
|                                                                                    |   |

## Pula

|                                                                                     |                                                                                                                                                                         |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 2                                                                                   | 17223/87/10                                                                                                                                                             |
|  | <b>PHILIPS 50W INCL.</b>                                                                                                                                                |
|                                                                                     | 3x GU10   max. 50W   230V                                                            |
|  | 105   ↔ 97   ↗ 97                                                                                                                                                       |
|                                                                                     |   |
|                                                                                     | IP44                                                                                                                                                                    |
|                                                                                     |   |



## Acapulco

1 | 17020/47/10

1x E27 | max. 20W | 230V | ☐

Y | ↔ 175 | ⌀ 175 | ⊥ 323 |

INOX SYN

IP67



## Acapulco

2 | 71428/01/30

1x E27 | max. 40W | 230V | ☐

Y | ↔ 175 | ⌀ 175 | ⊥ 323 |

SYN

IP67





## Faro

|                                   |             |
|-----------------------------------|-------------|
| 1                                 | 74900/21/30 |
| PHILIPS 400W INCL.                |             |
| 1x R7S 118   max. 500W   230V   ⚡ |             |
| Y   ↓ 195   ↔ 185   ↗ 145         |             |
| ALU                               | SYN         |
| IP44                              |             |
| D                                 | C E         |

## Faro

|                                  |             |
|----------------------------------|-------------|
| 2                                | 74902/21/30 |
| PHILIPS 120W INCL.               |             |
| 1x R7S 78   max. 150W   230V   ⚡ |             |
| Y   ↓ 145   ↔ 140   ↗ 115        |             |
| ALU                              | SYN         |
| IP44                             |             |
| C                                | B E         |

## Faro

|                                   |             |
|-----------------------------------|-------------|
| 3                                 | 74943/21/30 |
| PHILIPS 240W INCL.                |             |
| 1x R7S 118   max. 300W   230V   ⚡ |             |
| Y   ↓ 250   ↔ 185   ↗ 135         |             |
| ALU                               | SYN         |
| IP44   P.I.R. 140° Type F         |             |
| C                                 | B E         |

## Faro

|                                  |             |
|----------------------------------|-------------|
| 4                                | 74946/21/30 |
| PHILIPS 120W INCL.               |             |
| 1x R7S 78   max. 150W   230V   ⚡ |             |
| Y   ↓ 200   ↔ 140   ↗ 120        |             |
| ALU                              | SYN         |
| IP44   P.I.R. 140° Type F        |             |
| C                                | B E         |



1



2

Save energy



4



8



6



3



7



5

Outdoor

167

## Fes

1 | 17521/30/10

2 | 17521/31/10

LED 4,5W INCL. | LED

LED | max. 5W | 230V |

| 144 | ↔ 204 | ↗ 113 |

ALU SYN

IP44

A

## Fes

3 | 17522/30/10

4 | 17522/31/10

LED 4,5W INCL. | LED

LED | max. 5W | 230V |

| 144 | ↔ 224 | ↗ 109 |

ALU SYN

IP44 | P.I.R. 140° Type F

A

## Fes

5 | 17523/30/10

6 | 17523/31/10

LED 9W INCL. | LED

LED | max. 9W | 230V |

| 1207 | ↔ 265 | ↗ 132 |

ALU SYN

IP44

A

## Fes

7 | 17524/30/10

8 | 17524/31/10

LED 9W INCL. | LED

LED | max. 9W | 230V |

| 1207 | ↔ 265 | ↗ 128 |

ALU SYN

IP44 | P.I.R. 140° Type F

A



2



1



3

## Faro

|  |                                   |
|--|-----------------------------------|
|  | 1   17507/34/10                   |
|  | <b>PHILIPS 240W INCL.</b>         |
|  | 2x R7S 118   max. 300W   230V   ⚡ |
|  | ↓ 1400   ↔ 1220   ↗ 1020          |
|  |                                   |
|  |                                   |
|  |                                   |

## Faro

|  |                                   |
|--|-----------------------------------|
|  | 2   74904/21/30                   |
|  | <b>PHILIPS 240W INCL.</b>         |
|  | 1x R7S 118   max. 300W   230V   ⚡ |
|  | ↓ 310   ↔ 220   ↗ 210             |
|  |                                   |
|  |                                   |
|  |                                   |

## Faro

|  |                                   |
|--|-----------------------------------|
|  | 3   74909/21/30                   |
|  | <b>PHILIPS 240W INCL.</b>         |
|  | 1x R7S 118   max. 300W   230V   ⚡ |
|  | ↓ 1800   ↔ 185   ↗ 1300           |
|  |                                   |
|  |                                   |
|  |                                   |



## Virginia

1 | 87098/12/30

2 | 87098/12/31

3 | 87098/12/87

Y | 194 | 70 | 104 |

SYN

IP44 | P.I.R. 140° Type F



# Numeric Index & Technical Section

---

| Article     | Page | Ean-number<br>article                                                                                | Article     | Page | Ean-number<br>article                                                                                | Article     | Page | Ean-number<br>article                                                                                  |
|-------------|------|------------------------------------------------------------------------------------------------------|-------------|------|------------------------------------------------------------------------------------------------------|-------------|------|--------------------------------------------------------------------------------------------------------|
| 00250/63/17 | 123  | <br>5412253658689   | 15031/31/10 | 159  | <br>5412253806714   | 15426/42/10 | 142  | <br>5413987120565   |
| 00250/63/31 | 123  | <br>5412253490609   | 15031/45/10 | 159  | <br>5412253806721   | 15428/42/10 | 143  | <br>5413987120510   |
| 00250/65/17 | 123  | <br>5412253658757   | 15035/31/10 | 159  | <br>5412253806820   | 15429/42/10 | 143  | <br>5413987120572   |
| 01300/01/30 | 162  | <br>5412253511465   | 15035/45/10 | 159  | <br>5412253806837   | 15440/86/10 | 148  | <br>5413987144233   |
| 01300/01/31 | 162  | <br>5412253511472   | 15038/31/10 | 158  | <br>5412253806851   | 16007/31/10 | 161  | <br>5412253790501   |
| 01302/01/30 | 162  | <br>5412253068730   | 15038/45/10 | 158  | <br>5412253806868   | 16007/65/10 | 161  | <br>5412253790532   |
| 01302/01/31 | 162  | <br>5412253271666   | 15170/42/10 | 146  | <br>5412253923398   | 16008/65/10 | 161  | <br>5412253790570   |
| 01304/01/30 | 141  | <br>5412253556305   | 15171/42/10 | 146  | <br>5412253923428   | 16076/47/10 | 140  | <br>5412253846963   |
| 01304/01/31 | 141  | <br>5412253556404   | 15172/42/10 | 146  | <br>5412253923435   | 16077/47/10 | 140  | <br>5412253846987   |
| 01465/01/31 | 141  | <br>5412253130215  | 15173/42/10 | 147  | <br>5412253923442  | 16089/47/10 | 138  | <br>5412253867821  |
| 01643/81/30 | 160  | <br>5412253572770 | 15175/42/10 | 147  | <br>5412253923466 | 16120/47/10 | 137  | <br>5412253880097 |
| 01643/81/86 | 160  | <br>5413987045417 | 15176/42/10 | 147  | <br>5412253923459 | 16121/47/10 | 137  | <br>5412253880080 |
| 01726/01/47 | 131  | <br>5412253684480 | 15190/86/10 | 144  | <br>5412253945048 | 16157/47/10 | 139  | <br>5413987144639 |
| 01726/01/93 | 131  | <br>5412253665991 | 15191/86/10 | 144  | <br>5412253945062 | 16183/87/10 | 130  | <br>5412253961673 |
| 01816/01/42 | 160  | <br>5412253741886 | 15192/86/10 | 144  | <br>5412253945086 | 16184/87/10 | 130  | <br>5412253961680 |
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| 01909/01/47 | 136  | <br>5412253814993 | 15251/42/10 | 151  | <br>5413987001895 | 16191/47/10 | 135  | <br>5412253984139 |
| 01910/01/47 | 136  | <br>5412253815006 | 15258/42/10 | 151  | <br>5413987001925 | 16192/47/10 | 135  | <br>5412253984146 |
| 01911/01/47 | 137  | <br>5412253900825 | 15420/42/10 | 143  | <br>5413987120503 | 16314/47/10 | 138  | <br>5413987088599 |
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| 05977/01/17 | 21   | <br>5412253760924 | 15422/42/10 | 142  | <br>5413987120534 | 16333/47/10 | 133  | <br>5413987120626 |
| 15030/31/10 | 158  | <br>5412253806882 | 15423/42/10 | 142  | <br>5413987120541 | 16334/47/10 | 133  | <br>5413987120640 |
| 15030/45/10 | 158  | <br>5412253806899 | 15425/42/10 | 142  | <br>5413987120558 | 16335/47/10 | 133  | <br>5413987120633 |

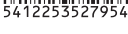
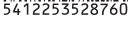
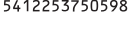
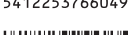
| Article     | Page | Ean-number<br>article                                                                                | Article     | Page | Ean-number<br>article                                                                                | Article     | Page | Ean-number<br>article                                                                                  |
|-------------|------|------------------------------------------------------------------------------------------------------|-------------|------|------------------------------------------------------------------------------------------------------|-------------|------|--------------------------------------------------------------------------------------------------------|
| 16336/47/10 | 133  | <br>5413987120466   | 17237/86/10 | 149  | <br>5413987120657   | 30197/31/10 | 52   | <br>5413987037979   |
| 17000/47/10 | 160  | <br>5412253777168   | 17261/47/10 | 138  | <br>5413987144011   | 30200/86/10 | 64   | <br>5413987038235   |
| 17008/47/10 | 134  | <br>5412253801344   | 17263/47/10 | 139  | <br>5413987144004   | 30243/48/10 | 52   | <br>5413987073014   |
| 17014/47/10 | 131  | <br>5412253800934   | 17507/34/10 | 168  | <br>5413987144622   | 30244/48/10 | 52   | <br>5413987073007   |
| 17020/47/10 | 165  | <br>5412253791478   | 17521/30/10 | 167  | <br>5413987150357   | 30254/31/10 | 60   | <br>5413987061882   |
| 17023/47/10 | 134  | <br>5412253825548   | 17521/31/10 | 167  | <br>5413987150364   | 30259/67/10 | 60   | <br>5413987066986   |
| 17024/47/10 | 134  | <br>5412253825555   | 17522/30/10 | 167  | <br>5413987150371   | 30269/43/10 | 62   | <br>5413987089923   |
| 17025/47/10 | 132  | <br>5412253825562   | 17522/31/10 | 167  | <br>5413987150388   | 30270/43/10 | 62   | <br>5413987093753   |
| 17026/47/10 | 132  | <br>5412253825579   | 17523/30/10 | 167  | <br>5413987150395   | 30279/67/10 | 67   | <br>5413987093579   |
| 17035/47/10 | 131  | <br>5412253826712  | 17523/31/10 | 167  | <br>5413987150401  | 30280/67/10 | 67   | <br>5413987093586  |
| 17055/47/10 | 140  | <br>5413987031045 | 17524/30/10 | 167  | <br>5413987150418 | 30308/87/10 | 58   | <br>5413987093593 |
| 17090/31/10 | 163  | <br>5412253882022 | 17524/31/10 | 167  | <br>5413987150425 | 30495/86/10 | 63   | <br>5413987126734 |
| 17090/87/10 | 163  | <br>5412253882039 | 30009/06/17 | 66   | <br>5412253849551 | 31914/31/10 | 67   | <br>5413987017582 |
| 17112/30/10 | 164  | <br>5413987144608 | 30009/17/10 | 66   | <br>5412253804932 | 31991/62/10 | 71   | <br>5412253872795 |
| 17116/47/10 | 139  | <br>5413987144615 | 30010/67/10 | 53   | <br>5412253803935 | 31992/62/10 | 71   | <br>5412253872825 |
| 17131/86/10 | 150  | <br>5412253963875 | 30012/17/10 | 53   | <br>5412253803928 | 32129/17/10 | 51   | <br>5413987089664 |
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| 17174/47/10 | 132  | <br>5413987037573 | 30165/30/10 | 68   | <br>5413987003219 | 33065/17/10 | 72   | <br>5412253849612 |
| 17180/47/10 | 134  | <br>5413987051265 | 30165/69/10 | 59   | <br>5413987072017 | 33065/17/17 | 72   | <br>5412253899983 |
| 17223/87/10 | 164  | <br>5413987148576 | 30173/33/10 | 61   | <br>5413987010156 | 33080/48/10 | 73   | <br>5413987060656 |
| 17234/30/10 | 141  | <br>5413987120718 | 30173/35/10 | 61   | <br>5413987010163 | 33081/48/10 | 73   | <br>5413987060670 |
| 17234/87/10 | 141  | <br>5413987120725 | 30173/53/10 | 61   | <br>5413987010170 | 33084/06/10 | 73   | <br>5412253850656 |
| 17236/54/10 | 149  | <br>5413987120480 | 30179/67/10 | 59   | <br>5413987010200 | 33084/17/10 | 73   | <br>5412253850663 |
| 17237/54/10 | 149  | <br>5413987120664 | 30193/14/10 | 68   | <br>5413987037894 | 33132/17/10 | 57   | <br>5412253890744 |

| Article     | Page | Ean-number<br>article                                                                                | Article     | Page | Ean-number<br>article                                                                                | Article     | Page | Ean-number<br>article                                                                                  |
|-------------|------|------------------------------------------------------------------------------------------------------|-------------|------|------------------------------------------------------------------------------------------------------|-------------|------|--------------------------------------------------------------------------------------------------------|
| 33160/17/10 | 57   | <br>5412253937272   | 36504/06/10 | 37   | <br>5412253885528   | 38050/11/10 | 10   | <br>5413987100598   |
| 33185/86/10 | 65   | <br>5412253977810   | 36860/17/10 | 56   | <br>5412253978756   | 38051/11/10 | 10   | <br>5413987100581   |
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| 33242/17/10 | 53   | <br>5413987089541   | 36975/30/10 | 32   | <br>5413987004094   | 38053/11/10 | 11   | <br>5413987100673   |
| 33243/48/10 | 53   | <br>5413987089589   | 36976/30/10 | 32   | <br>5413987004117   | 38280/30/10 | 29   | <br>5413987147036   |
| 33256/43/10 | 62   | <br>5413987093357   | 36995/17/10 | 36   | <br>5413987009280   | 38280/31/10 | 29   | <br>5413987147043   |
| 33260/43/10 | 62   | <br>5413987089824   | 36995/43/10 | 36   | <br>5413987009297   | 38281/31/10 | 29   | <br>5413987147340   |
| 33273/68/10 | 58   | <br>5413987126321   | 36996/17/10 | 36   | <br>5413987009266   | 38810/42/10 | 41   | <br>5412253924661   |
| 33275/11/10 | 55   | <br>5413987126253   | 36996/43/10 | 36   | <br>5413987009273   | 39010/29/10 | 41   | <br>5412253880967   |
| 33286/86/10 | 63   | <br>5413987126673  | 36999/17/10 | 36   | <br>5413987009556  | 40085/17/10 | 21   | <br>5412253853459  |
| 33307/87/10 | 58   | <br>5413987093616 | 37165/31/10 | 22   | <br>5413987035081 | 40097/06/10 | 35   | <br>5412253853817 |
| 34951/47/10 | 70   | <br>5412253845744 | 37315/11/10 | 33   | <br>5413987019913 | 40097/17/10 | 35   | <br>5412253853831 |
| 36140/17/10 | 23   | <br>5412253796985 | 37317/11/10 | 33   | <br>5413987020322 | 40194/17/10 | 20   | <br>5412253944171 |
| 36179/47/10 | 27   | <br>5412253811916 | 37411/43/10 | 43   | <br>5413987030628 | 40271/43/10 | 33   | <br>5413987000188 |
| 36230/17/10 | 20   | <br>5412253822097 | 37460/31/10 | 22   | <br>5413987034299 | 40376/31/10 | 25   | <br>5413987043000 |
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| 36377/43/10 | 40   | <br>5412253853640 | 37691/11/10 | 16   | <br>5413987142116 | 40389/17/10 | 23   | <br>5413987048807 |
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| 36412/17/10 | 46   | <br>5412253854067 | 37703/11/10 | 17   | <br>5413987144202 | 40655/17/10 | 23   | <br>5413987100659 |
| 36500/06/10 | 37   | <br>5412253885467 | 37851/11/10 | 13   | <br>5413987147449 | 40719/17/10 | 25   | <br>5413987117886 |
| 36500/17/10 | 37   | <br>5412253885481 | 37853/11/10 | 13   | <br>5413987147494 | 40785/11/10 | 12   | <br>5413987149429 |
| 36502/06/10 | 37   | <br>5412253885498 | 37985/11/10 | 50   | <br>5413987149306 | 40805/11/10 | 12   | <br>5413987141621 |

| Article     | Page | Ean-number<br>article                                                                                | Article     | Page | Ean-number<br>article                                                                                | Article     | Page | Ean-number<br>article                                                                                  |
|-------------|------|------------------------------------------------------------------------------------------------------|-------------|------|------------------------------------------------------------------------------------------------------|-------------|------|--------------------------------------------------------------------------------------------------------|
| 40807/11/10 | 12   | <br>5413987141645   | 41809/11/10 | 31   | <br>5412253943655   | 50912/17/10 | 93   | <br>5413987099359   |
| 40810/11/10 | 14   | <br>5413987141713   | 41814/31/10 | 30   | <br>5412253944331   | 50914/17/10 | 93   | <br>5413987092596   |
| 40811/11/10 | 14   | <br>5413987142475   | 41816/60/10 | 31   | <br>5412253944591   | 50916/17/10 | 93   | <br>5413987092602   |
| 40812/30/10 | 28   | <br>5413987142253   | 41823/17/10 | 26   | <br>5412253945413   | 50950/17/10 | 84   | <br>5413987077814   |
| 40812/31/10 | 28   | <br>5413987142260   | 41848/11/10 | 18   | <br>5412253924562   | 50952/17/10 | 84   | <br>5413987077821   |
| 40812/96/10 | 28   | <br>5413987142277   | 41849/11/10 | 18   | <br>5412253924579   | 50954/17/10 | 85   | <br>5413987077845   |
| 40822/11/10 | 13   | <br>5413987141706   | 41850/17/10 | 19   | <br>5412253925743   | 50956/17/10 | 85   | <br>5413987077852   |
| 40842/17/10 | 21   | <br>5413987147173   | 41851/17/10 | 19   | <br>5412253925750   | 50959/17/10 | 84   | <br>5413987077838   |
| 40859/18/10 | 42   | <br>5413987147784   | 41924/31/10 | 38   | <br>5412253845737   | 50990/17/10 | 90   | <br>5413987034428   |
| 40859/87/10 | 42   | <br>5413987147050  | 41924/43/10 | 38   | <br>5412253892427  | 50992/17/10 | 90   | <br>5413987034596  |
| 40860/14/10 | 42   | <br>5413987147012 | 42003/43/10 | 47   | <br>5412253783749 | 50994/17/10 | 90   | <br>5413987033230 |
| 40860/31/10 | 42   | <br>5413987147029 | 42811/11/10 | 15   | <br>5413987144738 | 50995/17/10 | 91   | <br>5413987033261 |
| 40866/11/10 | 11   | <br>5413987147401 | 43222/56/10 | 27   | <br>5413987067037 | 50999/17/10 | 91   | <br>5413987033247 |
| 40881/11/10 | 56   | <br>5413987147319 | 43254/30/10 | 45   | <br>5413987118296 | 51150/17/10 | 88   | <br>5413987024535 |
| 41042/11/10 | 24   | <br>5413987141454 | 43811/11/10 | 15   | <br>5413987144721 | 51150/86/10 | 113  | <br>5413987024542 |
| 41043/11/10 | 24   | <br>5413987141461 | 45811/11/10 | 15   | <br>5413987144714 | 51151/17/10 | 88   | <br>5413987023156 |
| 41047/48/10 | 34   | <br>5413987134098 | 50150/31/10 | 92   | <br>5413987139093 | 51151/86/10 | 113  | <br>5413987023163 |
| 41633/11/10 | 31   | <br>5413987020230 | 50152/31/10 | 92   | <br>5413987139109 | 51152/17/10 | 88   | <br>5413987023187 |
| 41757/43/10 | 44   | <br>5412253960225 | 50154/31/10 | 92   | <br>5413987139116 | 51152/86/10 | 113  | <br>5413987023194 |
| 41766/30/10 | 30   | <br>5412253960119 | 50159/31/10 | 92   | <br>5413987139130 | 51156/17/10 | 89   | <br>5413987024719 |
| 41766/31/10 | 30   | <br>5412253960126 | 50200/11/10 | 82   | <br>5413987071003 | 51157/17/10 | 89   | <br>5413987023248 |
| 41779/11/10 | 26   | <br>5412253954866 | 50202/11/10 | 82   | <br>5413987071010 | 51157/86/10 | 112  | <br>5413987023255 |
| 41783/86/10 | 45   | <br>5412253954835 | 50204/11/10 | 82   | <br>5413987071034 | 51158/17/10 | 89   | <br>5413987023217 |
| 41788/18/10 | 34   | <br>5412253955504 | 50209/11/10 | 82   | <br>5413987071027 | 51158/86/10 | 112  | <br>5413987023224 |
| 41788/43/10 | 34   | <br>5412253954729 | 50910/17/10 | 93   | <br>5413987092589 | 51230/17/10 | 83   | <br>5413987064890 |

| Article     | Page | Ean-number<br>article                                                                                | Article     | Page | Ean-number<br>article                                                                                | Article     | Page | Ean-number<br>article                                                                                  |
|-------------|------|------------------------------------------------------------------------------------------------------|-------------|------|------------------------------------------------------------------------------------------------------|-------------|------|--------------------------------------------------------------------------------------------------------|
| 51234/17/10 | 83   | <br>5413987064920   | 54493/17/10 | 105  | <br>5413987037344   | 55202/17/10 | 102  | <br>5412253882756   |
| 51236/17/10 | 83   | <br>5413987064937   | 54494/17/10 | 105  | <br>5413987037368   | 55203/17/10 | 102  | <br>5412253882763   |
| 51239/17/10 | 83   | <br>5413987064913   | 54499/17/10 | 105  | <br>5413987037351   | 55204/17/10 | 102  | <br>5412253882770   |
| 52030/17/10 | 96   | <br>5412253800026   | 54650/17/10 | 76   | <br>5413987139376   | 55610/05/10 | 115  | <br>5413987067860   |
| 52031/17/10 | 96   | <br>5412253800057   | 54652/17/10 | 76   | <br>5413987139383   | 55612/05/10 | 115  | <br>5413987067907   |
| 52033/17/10 | 96   | <br>5412253818236   | 54654/17/10 | 76   | <br>5413987139390   | 55614/05/10 | 115  | <br>5413987067914   |
| 52038/17/10 | 96   | <br>5412253800132   | 54659/17/10 | 76   | <br>5413987139406   | 55618/05/10 | 115  | <br>5413987068478   |
| 52130/43/10 | 111  | <br>5413987037740   | 54940/17/10 | 106  | <br>5413987139321   | 55790/86/10 | 110  | <br>5413987135040   |
| 52132/43/10 | 111  | <br>5413987037672   | 54942/17/10 | 106  | <br>5413987139499   | 55792/86/10 | 110  | <br>5413987135057   |
| 52134/43/10 | 111  | <br>5413987037771  | 54944/17/10 | 107  | <br>5413987139864  | 55794/86/10 | 110  | <br>5413987135071  |
| 54000/17/10 | 97   | <br>5412253775614 | 54946/17/10 | 107  | <br>5413987139581 | 55799/86/10 | 110  | <br>5413987135064 |
| 54012/17/10 | 97   | <br>5412253775584 | 54947/17/10 | 107  | <br>5413987139611 | 55810/11/10 | 80   | <br>5413987133336 |
| 54013/17/10 | 97   | <br>5412253775720 | 54949/17/10 | 106  | <br>5413987139642 | 55810/43/10 | 108  | <br>5413987133343 |
| 54014/17/10 | 97   | <br>5412253775751 | 55030/17/10 | 101  | <br>5412253798118 | 55812/11/10 | 80   | <br>5413987137969 |
| 54060/17/10 | 98   | <br>5412253795094 | 55032/17/10 | 101  | <br>5412253798132 | 55812/43/10 | 108  | <br>5413987137976 |
| 54062/17/10 | 98   | <br>5412253795117 | 55034/17/10 | 101  | <br>5412253798156 | 55814/11/10 | 81   | <br>5413987133374 |
| 54063/17/10 | 99   | <br>5412253795131 | 55060/17/10 | 95   | <br>5412253798286 | 55814/43/10 | 109  | <br>5413987133381 |
| 54064/17/10 | 99   | <br>5412253792583 | 55062/17/10 | 95   | <br>5412253798309 | 55815/11/10 | 81   | <br>5413987133411 |
| 54072/17/10 | 98   | <br>5412253792420 | 55063/17/10 | 94   | <br>5412253798316 | 55815/43/10 | 109  | <br>5413987133428 |
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| 54082/17/10 | 100  | <br>5412253843788 | 55067/17/10 | 94   | <br>5412253920533 | 55819/43/10 | 108  | <br>5413987133367 |
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| 54084/17/10 | 100  | <br>5412253841289 | 55082/48/10 | 103  | <br>5412253802464 | 55822/17/10 | 78   | <br>5413987127540 |
| 54490/17/10 | 104  | <br>5413987037337 | 55084/48/10 | 103  | <br>5412253802501 | 55824/17/10 | 79   | <br>5413987127564 |
| 54492/17/10 | 104  | <br>5413987039102 | 55200/17/10 | 102  | <br>5412253882732 | 55825/17/10 | 79   | <br>5413987127571 |

| Article     | Page | Ean-number<br>article                                                                                | Article     | Page | Ean-number<br>article                                                                                | Article     | Page | Ean-number<br>article                                                                                  |
|-------------|------|------------------------------------------------------------------------------------------------------|-------------|------|------------------------------------------------------------------------------------------------------|-------------|------|--------------------------------------------------------------------------------------------------------|
| 55829/17/10 | 78   | <br>5413987127557   | 59393/06/10 | 121  | <br>5412253877899   | 71416/01/30 | 163  | <br>5412253502395   |
| 55830/17/10 | 86   | <br>5413987139727   | 59393/11/10 | 121  | <br>5412253878995   | 71416/01/31 | 163  | <br>5412253502418   |
| 55832/17/10 | 86   | <br>5413987139734   | 59393/17/10 | 121  | <br>5412253877875   | 71421/01/30 | 153  | <br>5412253567929   |
| 55834/17/10 | 86   | <br>5413987139741   | 59393/31/10 | 121  | <br>5412253877912   | 71422/01/30 | 152  | <br>5412253578802   |
| 55835/17/10 | 87   | <br>5413987139758   | 59763/11/10 | 123  | <br>5413987008856   | 71424/01/30 | 153  | <br>5412253661733   |
| 55839/17/10 | 87   | <br>5413987139765   | 59785/17/10 | 124  | <br>5413987008894   | 71425/01/30 | 152  | <br>5412253614869   |
| 55955/86/10 | 114  | <br>5413987019340   | 59786/17/10 | 124  | <br>5413987008887   | 71426/01/30 | 152  | <br>5412253614876   |
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| 55958/86/10 | 114  | <br>5413987019425   | 59788/17/10 | 125  | <br>5413987078583   | 71427/03/30 | 153  | <br>5412253776116   |
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| 56920/17/10 | 77   | <br>5413987139819 | 59791/17/10 | 124  | <br>5413987011382 | 71521/01/30 | 157  | <br>5412253776185 |
| 56922/17/10 | 77   | <br>5413987139826 | 59799/17/10 | 125  | <br>5412253898344 | 71521/01/31 | 157  | <br>5412253776192 |
| 56923/17/10 | 77   | <br>5413987139833 | 59799/31/10 | 125  | <br>5412253898320 | 71521/01/42 | 157  | <br>5412253786061 |
| 56924/17/10 | 77   | <br>5413987139840 | 59803/17/10 | 118  | <br>5413987140501 | 71522/01/30 | 156  | <br>5412253348863 |
| 59323/06/10 | 119  | <br>5412253842248 | 59813/17/10 | 118  | <br>5413987140532 | 71522/01/31 | 156  | <br>5412253348870 |
| 59323/11/10 | 119  | <br>5412253842255 | 70368/01/53 | 65   | <br>5412253415299 | 71522/01/42 | 156  | <br>5412253813712 |
| 59323/17/10 | 119  | <br>5412253842279 | 70670/01/11 | 54   | <br>5412253662433 | 71524/01/30 | 156  | <br>5412253678717 |
| 59323/31/10 | 119  | <br>5412253842286 | 70708/02/06 | 66   | <br>5412253641841 | 71524/01/31 | 156  | <br>5412253678724 |
| 59330/17/10 | 120  | <br>5412253842217 | 70748/01/31 | 69   | <br>5412253466178 | 71525/01/30 | 154  | <br>5412253678656 |
| 59330/31/10 | 120  | <br>5412253842224 | 70748/01/47 | 70   | <br>5412253769026 | 71525/01/31 | 154  | <br>5412253678663 |
| 59333/01/10 | 120  | <br>5412253842095 | 70748/02/31 | 69   | <br>5412253510598 | 71525/01/42 | 154  | <br>5412253773535 |
| 59333/06/10 | 120  | <br>5412253842118 | 70748/02/47 | 70   | <br>5412253811466 | 71526/01/30 | 155  | <br>5412253678670 |
| 59333/11/10 | 120  | <br>5412253842125 | 70822/01/67 | 60   | <br>5412253662518 | 71526/01/31 | 155  | <br>5412253678687 |
| 59333/17/10 | 120  | <br>5412253842149 | 70823/01/67 | 60   | <br>5412253662532 | 71526/01/42 | 155  | <br>5412253773559 |
| 59333/31/10 | 120  | <br>5412253842156 | 70961/01/56 | 61   | <br>5412253735694 | 71527/03/30 | 157  | <br>5412253776147 |

| Article     | Page | Ean-number<br>article                                                                                |
|-------------|------|------------------------------------------------------------------------------------------------------|
| 71527/03/31 | 157  | <br>5412253776154   |
| 71527/03/42 | 157  | <br>5412253786085   |
| 71528/01/47 | 140  | <br>5412253749769   |
| 71825/01/31 | 161  | <br>5412253555742   |
| 71825/01/65 | 161  | <br>5412253555766   |
| 72810/23/17 | 122  | <br>5412253660088   |
| 72810/65/17 | 122  | <br>5412253660118   |
| 72812/23/17 | 122  | <br>5412253660231   |
| 72894/01/31 | 57   | <br>5412253861508   |
| 74900/21/30 | 166  | <br>5412253884309   |
| 74902/21/30 | 166  | <br>5412253410386 |
| 74904/21/30 | 168  | <br>5412253162025 |
| 74909/21/30 | 168  | <br>5412253382324 |
| 74943/21/30 | 166  | <br>5412253527954 |
| 74946/21/30 | 166  | <br>5412253528760 |
| 77013/01/87 | 55   | <br>5412253750598 |
| 77027/01/47 | 71   | <br>5412253766049 |
| 77027/02/47 | 71   | <br>5412253766056 |
| 79097/22/06 | 47   | <br>5412253749837 |
| 79097/22/17 | 47   | <br>5412253686330 |
| 80816/90/56 | 58   | <br>5412253849490 |
| 81531/01/70 | 65   | <br>5412253387237 |
| 81726/31/10 | 55   | <br>5413987147593 |
| 81748/01/31 | 69   | <br>5412253466192 |
| 87098/12/30 | 169  | <br>5412253529927 |

| Article     | Page | Ean-number<br>article                                                                              |
|-------------|------|----------------------------------------------------------------------------------------------------|
| 87098/12/31 | 169  | <br>5412253529934 |
| 87098/12/87 | 169  | <br>5412253782902 |



## 1. Light source characteristics:

Massive powered by Philips



Since Massive insists on lightening our ecological footprint while still offering the best quality of light, we rely on Philips technology. Philips meets the highest standards in terms of:

1. **Ecology:**
  - Energy saving
  - Environmentally friendly
2. **Durability:**
  - High quality
  - Long lifetime
3. **Light quality:**
  - Great light output
  - Colour temperature
4. **Sustainability:**
  - Fair trade
  - Service and support

For more information, check [www.philips.com](http://www.philips.com)

## Light sources

If there is a light source included, Massive always delivers Philips light sources with its articles.

- Philips Integrated PowerLEDs

PowerLED is the light source of the century. Its main advantages:

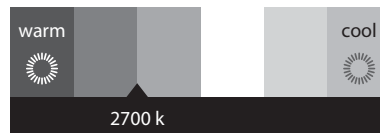
- Up to 80% energy saving compared to traditional bulbs
  - Strong light output
  - Warm white light (2700K)
  - Dimmable
  - Lifetime of up to 20,000 hours
- **“Retrofit” LED lamps**
- “Retrofit” LED lamps combine a traditional fitting with state of the art LEDs in order to achieve the advantages of integrated LEDs in a traditional luminaire.
- **Energy savers**
- Energy-saving bulbs are much more energy efficient than traditional bulbs and have a much longer lifetime.
- **Traditional and halogen bulbs**
- The old traditional and halogen bulbs are steadily disappearing to be replaced with new solutions that are more energy efficient.

## Watt or Lumen?

The wattage of a bulb indicates how much energy it uses. For traditional bulbs, the wattage is proportional to the light output you can expect. However, this is not the case for today's energy-saving solutions. That is why we now implement a dual system that mentions both the wattage of the light source included and its light output, expressed in lumens (lm). The table below shows the average lumens per Watt you can expect from different light sources.

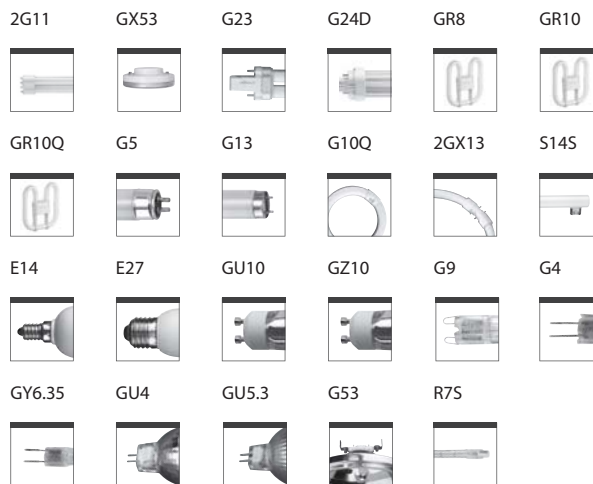
Light temperature

The light temperature, measured in Kelvin (K) indicates the colour of the light. The lower the light temperature, the warmer (or yellower) the light; the higher the colour temperature, the cooler (or whiter) the light will be.



## 2. Luminaire characteristics

## Fittings



The average lumens per Watt you can expect of different light sources

| Wattage of traditional bulb | Lumen of traditional bulb | Efficiency of traditional bulb | Efficiency of Halogen bulb | Efficiency of Ecohalogen bulb | Efficiency of CFL-i bulb | Efficiency of LED bulb | Efficiency of integrated LED |
|-----------------------------|---------------------------|--------------------------------|----------------------------|-------------------------------|--------------------------|------------------------|------------------------------|
| 15W                         | 120 Lm                    | 9-15<br>Lm/Watt                | 10-25<br>Lm/Watt           | 13-32<br>Lm/Watt              | 40-70<br>Lm/Watt         | 10-30<br>Lm/Watt       | 45<br>Lm/Watt                |
| 25W                         | 220 Lm                    |                                |                            |                               |                          |                        |                              |
| 40W                         | 400 Lm                    |                                |                            |                               |                          |                        |                              |
| 60W                         | 700 Lm                    |                                |                            |                               |                          |                        |                              |
| 75W                         | 900 Lm                    |                                |                            |                               |                          |                        |                              |
| 100W                        | 1200 Lm                   |                                |                            |                               |                          |                        |                              |
| 150W                        | 1800 Lm                   |                                |                            |                               |                          |                        |                              |

Silver label

The silver label is a label that is present on every luminaire. Usually it is placed as close to the light source as possible. However, when this interferes with the look of the article, it is placed on the bottom or back.

On the silver label you can find the following information:

- brand and article number
- Voltage, frequency and maximum wattage
- Fitting
- F symbol
- Marks (country-specific and general)
- Country of origin

Voltage, frequency and wattage

The voltage and wattage of your luminaire are indicated with the technical information about your luminaire. This can be found on the packaging and on the silver label.

- **Voltage**  
The voltage represents the strength of an electric current. The most common voltages for household use worldwide are 110 V, 220 V, 230 V and 240 V. All Massive articles are suitable for 230 V; most of them are also suitable for 220 V-240 V.
- **SELV**  
SELV stands for safety extra-low voltage. Luminaires with SELV have such a low power output that there is no danger of electrical shock. They need to be connected to a transformer before being connected to the power supply and are always class III.
- **Frequency**  
Frequency is measured in Hertz (Hz) and indicates how many times per second an alternating current is transmitted from a power plant. This is 50 Hz for most of the world, although the Americas usually have a frequency of 60 Hz. Most Massive luminaires work on both 50 Hz and 60 Hz. Check the technical specifications to make sure.
- **Wattage**  
The maximum wattage of a luminaire is determined by tests prescribed by the International Standard for luminaires (IEC60598). Respect the maximum wattage to reach the full life expectancy of your luminaires and to avoid accidents.

Electrical class

The electrical class indicates what kind of safety precautions have to be taken to prevent electrical shocks.

-  A class I luminaire requires earthing. Coming into contact with an unprotected part of the wiring will cause the current to evacuate into the earthing, which will automatically cut off the power supply.
-  A class II or double-insulated luminaire does not require earthing. The wires are protected with a double layer of insulating material, so it is impossible to get an electric shock from touching any part of the luminaire.
-  A class III luminaire is always a SELV luminaire, meaning the current is not strong enough to cause electrical shock. Therefore it needs no extra safety features.

F-symbol

The technical information always shows an F symbol. This represents on what kind of material it is safe to install the luminaire.

-  Suitable for direct mounting on flammable surfaces. The article cannot be covered with insulating material or other similar materials.
-  Not suitable for direct mounting on flammable surfaces, only on non-flammable surfaces.
-  Suitable for direct mounting in/on flammable surfaces. The article can be covered with insulating material.

IP values

IP stands for 'Ingress Protection' and is always followed by 2 digits. The first digit specifies the degree of protection against dust or solid objects. The second digit indicates the luminaire's resistance to water. The higher the rating, the higher the level of protection is.

The table below shows the IP ratings occurring in Massive articles and explains the meaning behind both digits.

| IP ratings occurring in Massive articles and the meaning behind both digits |                                                             |                                                            |                                                                |                                                                                             |            |
|-----------------------------------------------------------------------------|-------------------------------------------------------------|------------------------------------------------------------|----------------------------------------------------------------|---------------------------------------------------------------------------------------------|------------|
| First digit ►                                                               | Protection against objects of more than 12.5 mm in diameter | Protection against objects of more than 2.5 mm in diameter | Protection against objects more than 1 mm thick or in diameter | Protection from the amount of dust that would interfere with the operation of the equipment | Dust tight |
| Second digit ▼                                                              |                                                             |                                                            |                                                                |                                                                                             |            |
| No protection against water                                                 | IP20                                                        |                                                            |                                                                |                                                                                             |            |
| Protection from vertically dripping water                                   | IP21 ▲                                                      |                                                            | IP41 ▲                                                         |                                                                                             |            |
| Protection from sprayed water                                               | IP23 ▢                                                      | IP33 ▢                                                     | IP43 ▢                                                         |                                                                                             |            |
| Protection from splashed water                                              | IP24 ▲                                                      |                                                            | IP44 ▲                                                         | IP54 ◆▲                                                                                     |            |
| Protection from jetting water                                               |                                                             |                                                            |                                                                |                                                                                             | IP65 ◆▲▲   |
| Protection against temporary immersion                                      |                                                             |                                                            |                                                                |                                                                                             | IP67 ◆■    |
| Protection against complete, continuous submersion in water                 |                                                             |                                                            |                                                                |                                                                                             | IP68 ◆■    |

## Different implementations of IP

### Outdoor: IP in your garden

The IP rating required for outdoor articles depends on their application:

#### Ground recessed spots

Since they have to be able to withstand all weather situations, as well as temporarily being submerged, Massive ground recessed spots are at least IP67.

#### • Ceiling recessed spots

As they are protected from direct rain and require a lower IP rating than other applications, Massive outdoor ceiling recessed spots have an IP rating of at least IP23.

#### • Other applications

For all other outdoor applications, Massive offers articles with an IP rating of at least IP43.

## Transformers and drivers

### • Transformers

Transformers are devices that change an input voltage (for our articles the mains supply, indicated with PRI) into an output AC voltage or current that is suitable for the luminaire. In most cases our transformers are SELV.

The capacity of a transformer is indicated in Volt-Ampere (VA), which is equivalent to Watt. There are two types of transformers:

- *Conventional transformers* work thanks to an iron core and sets of copper wire and are larger and heavier than electronic transformers. They can be placed as far from the light source as needed, as long as the thickness of the connecting wire is adapted accordingly. For Massive articles where the transformer is included, this is clearly explained in the manual.
- *Electronic transformers* work thanks to electronic components, an inverter being the most important part. They are smaller and lighter than conventional transformers. The wire connecting the transformer with the light source can be at most 2 m long.

### Choosing the right transformer

When installing multiple SELV light sources on a single transformer, their total capacity may not exceed the total capacity of the transformer. For example, when installing 5 spots of 20 W, a transformer of at least 100 VA is required. The most common transformers are 60 VA, 80 VA, 105 VA and 300 VA.

### • Drivers

Drivers are used with LED technology and have the same function as transformers, namely changing the voltage output and frequency of the power source. The main difference is that transformers generate an AC current, while drivers generate a DC current. The correct driver is always delivered with Massive LED luminaires.

## 3. Switching and dimming

### Passive Infrared (PIR) switch

An infrared motion sensor switches on the light when there is a significant change in temperature in its detection area, caused by, for example, a person or a car.

#### Function:

- After the PIR luminaire is connected it will automatically switch on as a test, even during the daytime. About five minutes after the sensor's last detected movement, it will turn the light off and go into its normal automatic status.
- The integrated light sensor ensures the PIR luminaire will only function from dusk till dawn in its automatic status. A discreet switch on the sensor allows the light intensity at which the luminaire starts and stops working to be adjusted manually.
- A second switch on the sensor makes it possible to determine how long the luminaire stays switched on after movement is detected. When using energy-saving bulbs, it is advisable to set this time span to maximum.
- The detection area of the sensor can be influenced by the height at which the luminaire is mounted.

### Day-night light sensor switch

A day-night sensor automatically switches the luminaire on when it gets dark and off when it gets light again.

#### Function:

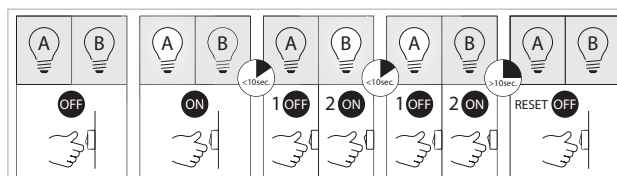
- The sensor uses a photocell, which measures the light intensity (in lux). It turns the luminaire on when there is less light than specified and off again when there is more. A discreet switch on the sensor makes it possible to set the light intensity at which the luminaire turns on and off.

### Electronic pulse switch

The electronic pulse switch is integrated in luminaires with two different light sources that can be turned on alternately. An example is a luminaire that can be used for either accent lighting or general lighting.

#### Function:

- The electronic pulse switch is concealed in the luminaire and connects the main switch and the different light sources. It reacts to the pulses given by the main switch.



## Dimming

When a luminaire is dimmed, the light output of its light source(s) is reduced. For luminaires, we differentiate between two types of dimmers:

- *Integrated dimmer*: some luminaires come with an integrated dimmer, which also functions as the operating switch. Depending on the type of dimmer, the light output can be adapted gradually or in steps.
- *External dimmer*: most luminaires can be connected to an external dimmer. However, not all light sources can be dimmed and some require a specific type of dimmer. Check the compatibility specifications and the precautions before installing an external dimmer. If in doubt, consult a qualified electrician.

| Light source               | Dimmable?                                                 | Type of dimmer                                   |
|----------------------------|-----------------------------------------------------------|--------------------------------------------------|
| Incandescent bulbs         | Yes                                                       | with most dimmers                                |
| High Voltage Halogen bulbs | Yes                                                       | with most dimmers                                |
| Low Voltage Halogen bulbs  | Yes, only if executed with electronic dimmable ballast    | with most dimmers                                |
| CFL-i                      | Not in general, but dimmable versions exist in the market | dimmable bulbs can be used with specific dimmers |
| CFL-Ni                     | Yes, only if executed with electronic dimmable ballast    | specific dimmer suitable for CFL-Ni dimming      |
| LED bulbs                  | Not in general, but dimmable versions exist in the market | with specific dimmers                            |
| LED integrated             | Yes, only if executed with electronic dimmable ballast    | only with most trailing edge dimmers             |

## Adjustable luminaires

Adjustable luminaires are strictly regulated, especially when it comes to temperature: the adjustable part has to stay below 60°C if it is made of metal; for other materials the temperature limit is 75°C. To ensure the safety of our luminaires, Massive often adds an extra component (usually a pin) that makes it possible to adjust the direction of the light beam without touching the adjustable part itself. Naturally, all articles are severely tested before going into production.

## Child appealing

A luminaire is considered to be child-appealing when it resembles a toy and youngsters can reach and move it. This means that a ceiling light shaped as a star does not fall in this category, while a table lamp resembling a star most definitely does. Child-appealing luminaires need to meet some very strict regulations:

- Class III is obligatory;
- Maximum 50V power-output in the luminaire itself;
- A child can touch the luminaire at any time, so the temperature has to stay very low;
- Temperature testing is conducted while the luminaire is covered by a blanket.

## 4. Regulations, norms and marks

### ENEC



ENEC is a high-quality European safety mark that can be awarded to a wide range of electrical appliances, including luminaires. Its main advantage is that it covers different national regulations and norms, reducing the need for separate national marks. ENEC-approved luminaires are tested by an independent organisation in Europe. In the Massive range, all TOP SELECTION articles are ENEC-approved.

### CE



The CE marking or conformance mark is mandatory for luminaires distributed in Europe. Unlike ENEC, which is an official mark awarded by an external organisation, the CE marking is the sole responsibility of the producer. By placing this marker on our products, Massive certifies that our products meet the current safety, health and environmental requirements of the European Union.

### EMC

EMC or 'electromagnetic compatibility' means that an appliance can't have unwanted effects on another appliance and vice versa. Most EMC-sensitive articles work with remote control, contain ballast or are equipped with a motion sensor. All Massive luminaires that are subject to an EMC risk are severely tested before they are approved for production.

