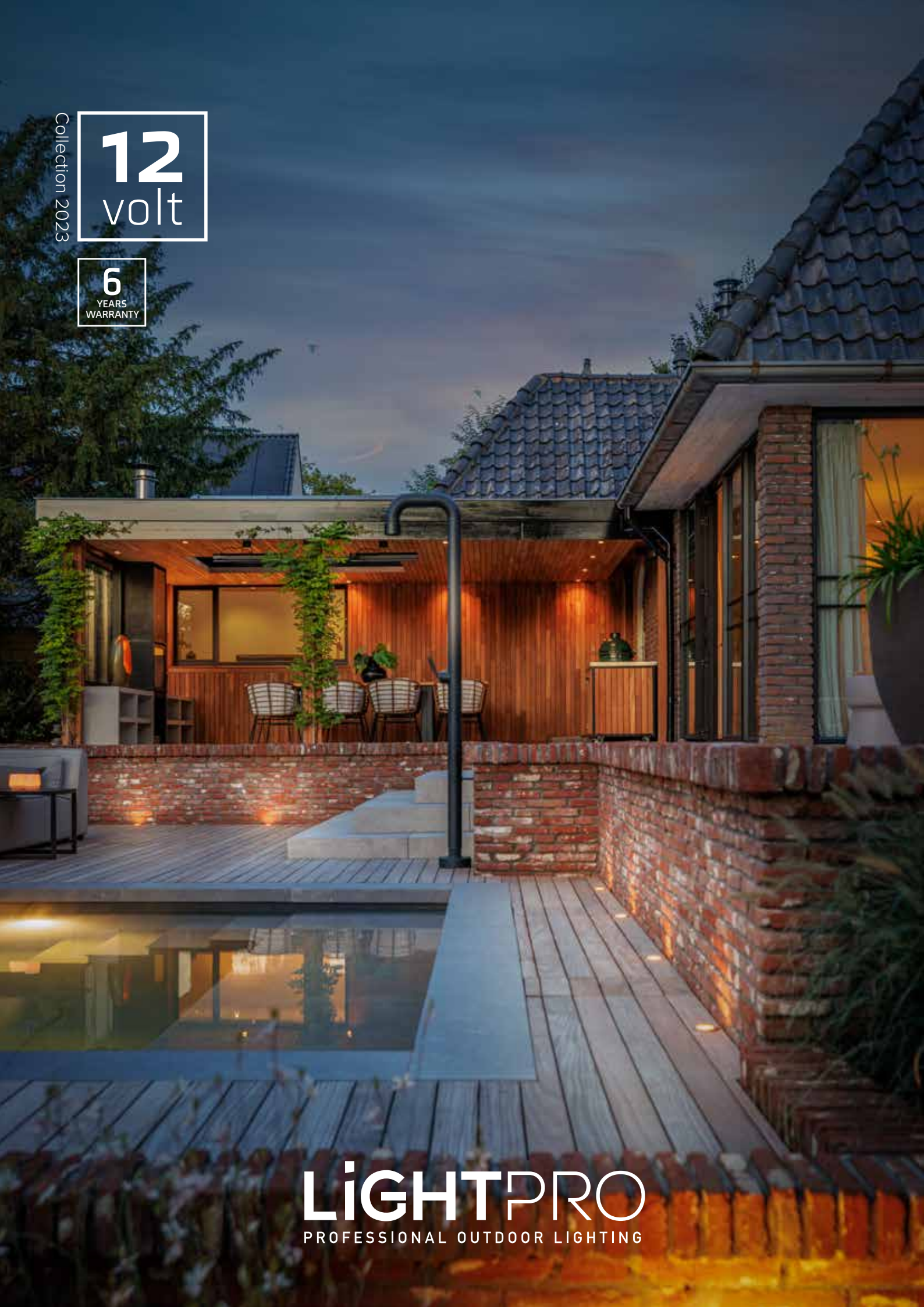


Collection 2023

12  
volt

6  
YEARS  
WARRANTY



**LIGHTPRO**  
PROFESSIONAL OUTDOOR LIGHTING



## The benefits of our system

### Energy-efficient & durable

All Lightpro's light fixtures feature LED light sources.

- ✓ Extremely low energy consumption
- ✓ Long service life

### Simple & flexible

Our system operates on 12 volts.

- ✓ Easy to fit
- ✓ Easy to modify
- ✓ No electrician required
- ✓ Easily expandable

### Safe

12 volts is low voltage and therefore harmless.

- ✓ Safe for kids
- ✓ Safe for animals
- ✓ Safe to fit
- ✓ No burying cables

### Dutch design

We design and manufacture all our products ourselves at our innovation centre.

- ✓ Tight-knit team
- ✓ Best quality guaranteed
- ✓ Top-grade range

### 6-year warranty

We provide a 6-year warranty on all our products.

- ✓ Carefree enjoyment
- ✓ Customer is priority No. 1
- ✓ Long service life



# Find out what garden lighting will do for you!

Lightpro is a Techmar brand. We focus entirely on 12-volt outdoor lighting. Easy to install, easy to expand and energy-efficient. Because Lightpro's lamps and accessories are developed using low voltage (12 volts) systems. So there's no need to bury cables, and our system is guaranteed safe for humans and animals.

We design outdoor lighting for any garden that deserves to be featured, be it spotlights, wall lighting or post lights. We are the specialist the professional can turn to with questions and requests.

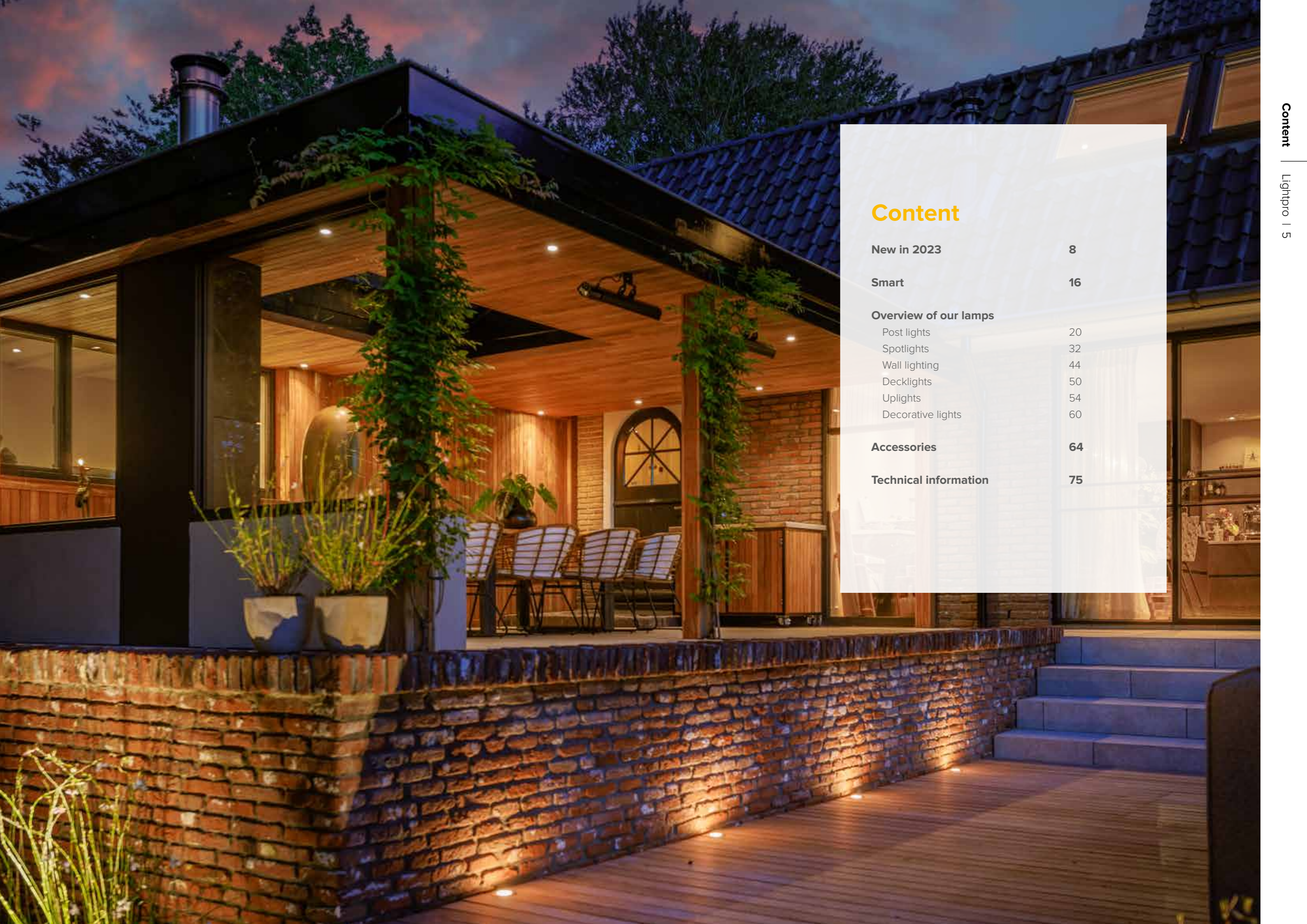
This brochure contains all our light fixtures, accessories and application options. Check out the inspiring options and get started right away.

*Lightpro - professional outdoor lighting*



All Lightpro products are sold through selected dealers. Find a point of sale near you by scanning this QR code with your mobile camera.





## Content

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New in  
2023

# Xible

This super handy lamp allows you to attractively illuminate all the garden's greenery. This is because the lighting fixture is flexible and can therefore be used in a very versatile way to illuminate the best angle of an object or plant. Put the accent on a beautiful statue or lovely shrub! The fixture is easy to move using the skewer supplied.

Available from: April 2023.



## **Xible [224S]**

Aluminum - Black

LED 2 W

2.700 K 160 lm

695 x 36 mm (H x Ø)



New in  
2023

# Alon

The Alon is a downlighter that lights up the ground in really attractive way. The Alon is suitable for any path or driveway and also visually appealing. With its beautiful beam of light, the Alon not only has a long range, but this garden light also enhances atmosphere and, thanks to its stylish design, blends very well with any garden.

Available from: April 2023.



## Alon [221P]

Aluminum - Anthracite

LED 3,3 W

3.000 K 40 - 220 lm

700 x 64 x 160 mm (H x W x L)



Dim intensity



New in  
2023

# Erba

The Erba consists of three slim post lights: small, medium and large. Create a playful effect with these three post lights. The Erba has a sleek and stylish look and also generates a really cosy ambience. Place the three different floor lamps along a terrace, path or in the border in the tall grass. Looking for a single unit? The medium variant is also available separately as the Erba Mid!

Available from: June 2023.

## Erba Mid [223P]

Aluminum - Anthracite  
LED 1.2 W  
3.000 K 110 lm  
734 x 20.5 mm (H x Ø)

## Erba [222P] (3 st.)

Aluminum - Anthracite  
LED 1.2 W  
3.000 K 110 lm  
Large 904 x 20.5 mm (H x Ø)  
Medium 734 x 20.5 mm (H x Ø)  
Small 564 x 20.5 mm (H x Ø)





New in  
2023



# Transformer

Easily connect Lightpro's 12-volt bulbs to our new transformer! Switch the transformers on and off with one button, or use the automatic mode (A): the lights will then automatically switch on and off at sunrise and sunset, thanks to the dark-light sensor. Do you prefer to be in control? The timer function lets you set your own time. There are ten different time modes on it (ranging from 1 to 10 hours), controllable via the touchscreen.

The new transformer is available in 100 W and 150 W, from July 2023.



## **Transformer 100 W [225A]**

Incl. light sensor  
and timer function

## **Transformer 150 W [226A]**

Incl. light sensor  
and timer function



# Smart

Introduction of the new Lightpro Smart collection represents a further expansion of our range. Use our Smart lamps – which can be set to display millions of colours – to create a beautiful atmosphere in your garden. The Smart system is completed using our accessories that provide safety in addition to ambience.

Set scenes using the Lightpro app and ward off uninvited guests with the Motion Sensor Smart. Lightpro Smart allows you to control everything!

Keep following us on Instagram and Facebook for the latest updates!



### Castor Smart [200N]

Aluminum - Anthracite  
LED 5 W  
2.700 - 6.500 K + RGB 300 lm  
95 x 60 x 120 mm (H x W x L)



### Oberon Smart [199N]

Aluminum - Anthracite  
LED 5 W  
2.700 - 6.500 K + RGB 300 lm  
665 x 64 mm (H x Ø)



### Gateway [219A]

To send the Zigbee signal from lamp to lamp, connect the gateway to your router.



### Motion Sensor Smart [227A]

Using the Lightpro app, you can easily set the Smart Motion Sensor and have the lights turned on wherever you want!



### Camera [218A]

Our new 12-volt camera can be easily combined with our system.



All SMART products will be available from mid-2023.



Get inspired  
every day.

Polaris [185W]

Onyx 60 R1 [151D]

Onyx 60 R1 [151D]



# Post lights

Easily create the ambience you want with our outdoor post lights. We have just the right solution for every wish:

Erba	222P
Erba Mid	223P
Alon	221P
Oberon Lo	190P
Oberon Hi	191P
Oberon DL	192P
Oberon Smart	199N
Eros Lo	217P
Eros Hi	214P
Barite 40	112P
Barite 60	111P
Nina	129P
Nodin	128P



View our range of  
Post lights online here.

Eros Hi [214P]



Alon [221P]

A clearly visible path or driveway  
A light fixture with direct light provides less scattering. Result? A clearly visible path or driveway.

NEW



**Erba (3 st.) [222P]**

Aluminum - Anthracite

LED 1,2 W

3.000 K 110 lm

Large 904 x 20.5 mm (H x Ø)

Medium 734 x 20.5 mm (H x Ø)

Small 564 x 20.5 mm (H x Ø)

NEW



**Erba Mid [223P]**

Aluminum - Anthracite

LED 1,2 W

3.000 K 110 lm

734 x 20.5 mm (H x Ø)

NEW



**Alon [221P]**

Aluminum - Anthracite

LED 3,3 W

3.000 K 40 - 220 lm

700 x 64 x 160 mm (H x W x L)



Dim intensity

- See page 78 for other technical specifications.
- A connector is supplied with each luminaire.



More or less light through the seasons  
 Dimmable light fixtures allow you to choose from 6  
 light intensities. This gives you an appropriate  
 lighting plan for each season.  
 In this brochure, they are identified using the  
 'dimmable' icon.



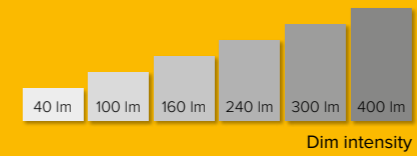
**Oberon Lo [190P]**

Aluminum - Anthracite  
 LED 4 W  
 3.000 K 40 - 400 lm  
 420 x 64 mm (H x Ø)



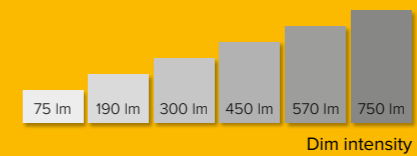
**Oberon Hi [191P]**

Aluminum - Anthracite  
 LED 4 W  
 3.000 K 40 - 400 lm  
 665 x 64 mm (H x Ø)



**Oberon DL [192P]**

Aluminum - Anthracite  
 LED 9 W  
 3.000 K 75 - 750 lm  
 600 x 93 x 110 mm (H x W x L)



NEW



**Oberon Smart [199N]**

Aluminum - Anthracite  
 LED 5 W  
 2.700 - 6.500 K + RGB 300 lm  
 665 x 64 mm (H x Ø)



- See page 79 for other technical specifications.
- A connector is supplied with each luminaire.



Planting borders or planting  
You will really do justice to your borders or other  
planting when you choose a light fixture that  
provides all-around light.

Eros Hi [214P]

Eros Lo [217P]



**Eros Lo [217P]**

Aluminum/Glass - Black  
LED 3,5 W  
2.200 K 280 lm  
550 x 115 mm (H x Ø)



**Eros Hi [214P]**

Aluminum/Glass - Black  
LED 3,5 W  
2.200 K 280 lm  
870 x 115 mm (H x Ø)



**Barite 40 [112P]**

Aluminum - Black  
LED 2,6 W  
3.000 K 230 lm  
410 x 65 mm (H x Ø)



**Barite 60 [111P]**

Aluminum - Black  
LED 2,6 W  
3.000 K 230 lm  
575 x 65 mm (H x Ø)

- See page 80 for other technical specifications.
- A connector is supplied with each luminaire.



Nodin [128P]

Stainless steel lamps fit seamlessly into any garden design. They reflect the surrounding colours and add a really special touch to your garden.



**Nina [129P]**

RVS 316  
LED 2,6 W  
3.000 K 230 lm  
760 x 55 mm (H x Ø)



**Nodin [128P]**

RVS 316  
LED 2,6 W  
3.000 K 230 lm  
1.050 x 55 mm (H x Ø)

- See page 82 for other technical specifications.
- A connector is supplied with each luminaire.



Combine and create  
your ultimate lighting  
experience.

Atik R1 [186U]

Agate [102U]

Castor 4 [178S]

Juno 2 [193S]

Ixion [182W]



# Spotlights

Attractively illuminate bushes, trees and other objects? Then choose our spotlights with different light beams. Our powerful spotlights literally put a beautiful large tree in the 'spotlight'! If you prefer to play with the brightness, dimmable spotlights are what you are looking for.

Xible	224S
Tiga DL	209S
Castor 3	177S
Castor 4	178S
Castor 8	179S
Castor 9	180S
Castor Smart	200N
Tube	215A
Juno Tube	213S
Juno 2	193S
Juno 4	194S
Quartz	196W
Avior	181S
Nova 3	117S
Nova 5	116S
Nilus	210S



View our range of  
Spotlights online here.

Castor 4 [178S]







Xible [224S]

NEW



**Xible [224S]**

Aluminum - Black  
LED 2 W  
2.700 K 160 lm  
695 x 36 mm (H x Ø)



**Tiga DL [209S]**

Aluminum - Black  
LED 5,5 W  
3.000 K 10 - 75 lm  
88 x 68 x 63 mm (H x W x L)  
Can also be used as a wall lamp.



- See page 83 for other technical specifications.
- A connector is supplied with each luminaire.





Castor 4 [178S]



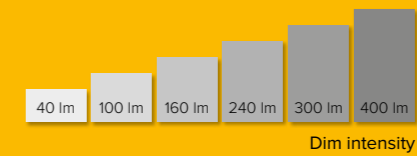
**Castor 3 [177S]**

Aluminum - Anthracite  
 LED 2,5 W  
 3.000 K 200 lm  
 95 x 60 x 100 mm (H x W x L)



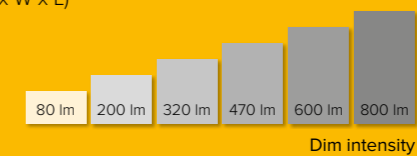
**Castor 4 [178S]**

Aluminum - Anthracite  
 LED 3,5 W  
 3.000 K 40 - 400 lm  
 95 x 60 x 100 mm (H x W x L)



**Castor 8 [179S]**

Aluminum - Anthracite  
 LED 8 W  
 3.000 K 80 - 800 lm  
 95 x 60 x 115 mm (H x W x L)

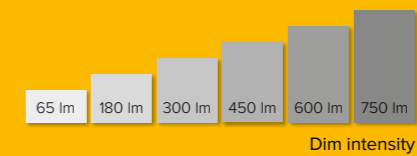


**Castor 9 [180S]**

Aluminum - Anthracite  
 LED 9 W  
 3.000 K 65 - 750 lm  
 95 x 60 x 120 mm (H x W x L)



exchangeable reflector



NEW



**Castor Smart [200N]**

Aluminum - Black  
 LED 5 W  
 2.700 - 6.500 K + RGB 300 lm  
 95 x 60 x 120 mm (H x W x L)



- See page 83 for other technical specifications.
- A connector is supplied with each luminaire.





Juno Tube [213S]

Tube [215A]



The **Tube** needs to be used in combination with the **Juno Tube** and can be placed to the ground as to the wall.

**Tube [215A]**  
Aluminum - Anthracite  
1.200 x 20 mm (H x Ø)



**Juno Tube [213S]**  
Aluminum - Anthracite  
LED 4 W  
3.000 K 372 lm  
85 x 55 x 68 mm (H x W x L)



**Juno 2 [193S]**  
Aluminum - Anthracite  
LED 1,5 W  
3.000 K 192 lm  
85 x 35 x 68 mm (H x W x L)



**Juno 4 [194S]**  
Aluminum - Anthracite  
LED 4 W  
3.000 K 372 lm  
85 x 55 x 68 mm (H x W x L)



• See page 85 for other technical specifications.  
• A connector is supplied with each luminaire.



Nilus [210S]



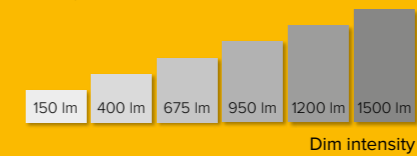
**Quartz [196W]**

Aluminum - Black  
 LED 1,8 W  
 3.000 K 150 lm  
 105 x 50 x 88 mm (H x W x L)  
 Can also be used as a wall lighting.



**Avior [181S]**

Aluminum - Anthracite  
 LED 16 W  
 3.000 K 150 - 1.500 lm  
 125 x 180 x 68 mm (H x W x L)



**Nova 3 [117S]**

RVS 316  
 LED 3 W  
 3.000 K 190 lm  
 152 x 80 x 83 mm (H x W x L)



**Nova 5 [116S]**

RVS 316  
 LED 5 W  
 3.000 K 380 lm  
 185 x 100 x 120 mm (H x W x L)



**Nilus [210S]**

ABS - Black  
 LED 3,4 W  
 3.000 K 360 lm  
 135 x 95 x 110 mm (H x W x L)



- See page 86 for other technical specifications.
- A connector is supplied with each luminaire.





Ixion [182W]

Castor 4 [1785]

Onyx 30 R1 [150D]



# Wall lighting

Lighting a fence, garden wall or canopy? With our wall lights, this has never been easier!

Ixion [182W]

Tiga DL	209S
Polaris	185W
Kuma	184W
Tube	215A
Juno Tube	213S
Ixion	182W
Quartz	196W



View our range of  
Wall lighting online here.



Tiga DL [209S]



### Tiga DL [209S]

Aluminum - Black

LED 5,5 W

3.000 K 10 - 75 lm

88 x 68 x 63 mm (H x W x L)

Can also be used as path lighting.



### Polaris [185W]

Aluminum - Anthracite

LED 6 W

3.000 K 500 lm

140 x 35 mm (Ø x D)



### Kuma [184W]

Aluminum - Anthracite

LED 6 W

3.000 K 300 lm

145 x 35 mm (Ø x D)

- See page 90 for other technical specifications.
- A connector is supplied with each luminaire.



Ixon [182W]



The **Tube** needs to be used in combination with the **Juno Tube** and can be placed to the ground as to the wall.

**Tube [215A]**

Aluminum - Anthracite  
1.200 x 20 mm (H x Ø)



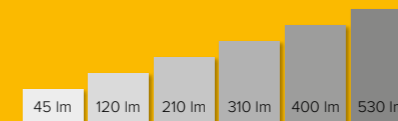
**Juno Tube [213S]**

Aluminum - Anthracite  
LED 4 W  
3.000 K 372 lm  
85 x 55 x 68 mm (H x W x L)



**Ixon [182W]**

Aluminum - Anthracite  
LED 9 W  
3.000 K 45 - 530 lm  
110 x 110 x 110 mm (H x W x L)



Dim intensity



**Quartz [196W]**

Aluminum - Black  
LED 1,8 W  
3.000 K 150 lm  
105 x 50 x 88 mm (H x W x L)  
Can also be used as a spotlight.

- See page 91 for other technical specifications.
- A connector is supplied with each luminaire.



# Decklights

Our wide range of high-quality lighting offers the best solution for every garden. Want a beautiful star trail in your garden? Use several Lightpro decklights to create your own dream garden.

Onyx 20	212D
Onyx 30 R1	150D
Onyx 60 R1	151D
Onyx 60 R3	153D
Onyx 60 R4	154D
Onyx 90 R1	156D



View our range of Decklights online here.

Onyx 30 R1 [150D]



Decklights are incredibly easy to install and create a great ambience. The best look is to choose several decklights. Placing them in a line at the side of a path will instantly give your garden a sleek and modern look.

Onyx 60 R1 [151D]



**Onyx 20 [212D]**  
 Synthetic - Black  
 LED 0,3 W  
 2.700 K 1lm  
 33 x 20 mm (H x Ø)  
 Drillhole 20 mm



**Onyx 60 R3 [153D]**  
 RVS 316  
 LED 1 W  
 2.700 K 23 lm  
 42 x 75 mm (H x Ø)  
 Drillhole 60 mm



**Onyx 30 R1 [150D]**  
 RVS 316  
 LED 0,5 W  
 2.700 K 4 lm  
 40 x 45 mm (H x Ø)  
 Drillhole 30 mm



**Onyx 60 R4 [154D]**  
 RVS 316  
 LED 1 W  
 2.700 K 23 lm  
 42 x 75 x 75 mm (H x W x L)  
 Drillhole 60 mm



**Onyx 60 R1 [151D]**  
 RVS 316  
 LED 1 W  
 2.700 K 23 lm  
 42 x 75 mm (H x Ø)  
 Drillhole 60 mm



**Onyx 90 R1 [156D]**  
 RVS 316  
 LED 2 W  
 2.700K 76 lm  
 42 x 105 mm (H x Ø)  
 Drillhole 90 mm

**Lenses supplied as standard:**

*\*Excluded from the Onyx 20.*

Clear



Star



Opal



- See page 92 for other technical specifications.
- A connector is supplied with each luminaire.



# Uplights

It's a spectacular sight, a tree or shrub properly illuminated. And this is easy to do yourself by installing uplights. An ideal way to draw more attention to an object in the garden. When night falls, these spotlights provide a beautiful lighting effect. Bet you take a peek into your garden more often?

Atik R1

186U

Agate

102U

Nomia

207U



View our range of  
Uplights online here.

Atik R1 [186U]



Atik R1 [186U]



### Atik R1 [186U]

Aluminum - Black  
LED 9 W  
3.000 K 65 - 750 lm  
135 x 120 mm (H x Ø)  
Drillhole 100 mm



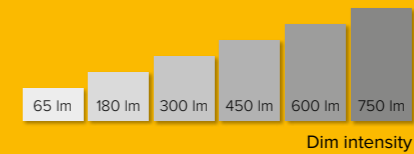
exchangeable  
reflector



adjustable  
reflector



DIMMABLE



### Agate [102U]

RVS 316  
LED 2,6 W  
3.000 K 230 lm  
113 x 115 mm (H x Ø)  
Drillhole 90 mm



### Nomia [207U]

Aluminum - Black  
LED 3 W  
3.000 K 310 lm  
125 x 90 mm (H x Ø)  
Drillhole 70 mm

- See page 96 for other technical specifications.
- A connector is supplied with each luminaire.





Castor 4 [178S]

Tiga DL [209S]

Agate [102U]



# Decorative lights

Our multi-purpose LED strip is a genuine all-rounder. Made of plastic and designed to provide a cosy warm light. But also conveniently, the LED strip can be cut to size. Use it for a border or in the canopy – it'll never look out of place. In a very simple way, it enhances the safety and ambience of your garden.

Led strip [175L]

Led strip	175L
Led strip connector	220L
Deco 1	135R
Deco 2	132R
Deco 3	134R



View our range of  
Decorative lights online here.





Deco 2 [132R]



**Led strip [175L]**

Synthetic  
LED 2,2 W - 3.000 K - 90 lm per meter.  
15 x 10 x 15.000 mm (H x W x L)

NEW



**Led strip connector [220L]**

Synthetic  
60 x 27 mm (H x Ø)

NEW



**Deco 1 [135R]**

Polyethylene - White  
LED 2 W  
RGB - 52 lm  
160 x 280 x 280 mm (H x W x L)



NEW



**Deco 2 [132R]**

Polyethylene - White  
LED 3 W  
RGB - 65 lm  
400 x 400 mm (H x Ø)



NEW



**Deco 3 [134R]**

Polyethylene - White  
LED 2 W  
RGB - 52 lm  
400 x 150 x 290 mm (H x W x L)



- See page 97 for other technical specifications.
- The Led Strip connector is available separately.



# Accessories

Approach us not only for professional outdoor lighting, but of course also for all related materials. Indeed, proper accessories are indispensable when installing 12-volt outdoor lighting. Think transformers, cables and connectors. But a motion detector and remote control are also valuable additions to a lighting plan.

Transformer 24 W	198A
Transformer 100 W	225A
Transformer 150 W	226A
Transformer 60 W	144A
Transformer 100 W	145A
Extension Cable Light sensor	162A
12 volt Cable 25 Meter	025C14
12 volt Cable 50 Meter	050C14
12 volt Cable 100 Meter	100C14
12 volt Cable 200 Meter	200C14
12 volt Extension Cable 1 Meter	146A
12 volt Extension Cable 3 Meter	147A
Connector F	137A
Connector M	138A
Connector Y	143A
Connector Y-F	173A
Cable Splitter	216A
Ground spike	1363011
Anti - glare hood	189A
Tube	215A
Motion Sensor	165A
Receiver	167A
Remote + Receiver	166A
Camera	218A
Motion Sensor Smart	227A
Gateway	219A



View our range of  
Accessories online here.



### Choosing the right transformer

To choose the transformer that best suits your lighting plan, add up the wattages of all your lamps. Then calculate how many metres of cable you need and which accessories you want to add. Keep in mind that the transformer may be loaded up to 75%.



#### Transformer 24 W [198A]

(Connector M [138A] Required)

NEW



#### Transformer 100 W [225A]

Incl. light sensor and timer function  
(Connector M [138A] Required)

#### Transformer 150 W [226A]

Incl. light sensor and timer function  
(Connector M [138A] Required)

Includes:



#### Transformer 60 W [144A]

Incl. light sensor and timer function  
Maximum 75% load.  
(Optional: Connector Y [143A], see page 71)

#### Transformer 100 W [145A]

Incl. light sensor and timer function  
Maximum 75% load.  
(Optional: Connector Y [143A], see page 71)



#### Extension Cable Light sensor [162A]

Sensor extension cable  
6 m





**12 volt Cable [025C14]**

14 AWG

25 m - including end caps.



**12 volt Cable [050C14]**

14 AWG

50 m - including end caps.



**12 volt Cable [100C14]**

14 AWG

100 m - including end caps.



**12 volt Cable [200C14]**

14 AWG

200 m - including end caps.



**12 volt Extension Cable [146A]**

SPT-2W 1 m

**12 volt Extension Cable [147A]**

SPT-2W 3 m





Anti - glare hood [189A]



**Connector F [137A]**

Type F (Female)



**Connector M [138A]**

Type M (Male)

For transformer [198A], [225A] and [226A].



**Connector Y [143A]**

Type Y

For transformer [144A] and [145A].



**Connector Y-F [173A]**

Type Y-F

For transformer [144A] and [145A].



**Cable Splitter [216A]**

Make several branches  
in one go.



**Ground spike [1363011]**

To be used for the Nina, Nodin,  
Eros Lo and Eros Hi.



**Anti - glare hood [189A]**

For the Castor.

**Tube [215A]**

Aluminum - Anthracite  
1.200 x 20 mm (H x Ø)





Accessories make your life easier. Thanks to the motion detector, you'll never walk to the shed in the dark again. And a remote control allows you to switch off all outdoor lighting at the touch of a button. Giving that little bit of extra luxury.



#### **Motion Sensor [165A]**

Thanks to the motion detector, you will never walk to the shed in the dark again.



#### **Receiver [167A]**

A separate, additional receiver for the remote control to which you can connect 9 luminaires.



#### **Remote + Receiver [166A]**

With this remote control and receiver, 9 groups of Lightpro Lamps receivers can be operated.

**NEW**



#### **Camera [218A]**

Our new 12-volt camera can be easily combined with our system.

**NEW**



#### **Motion Sensor Smart [227A]**

Using the Lightpro app, you can easily set the Smart Motion Sensor and have the lamps turned on wherever you want!

**NEW**



#### **Gateway [219A]**

To send the Zigbee signal from lamp to lamp, connect the gateway to your router.





## Technical information

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Spotlights	83
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Uplights	96
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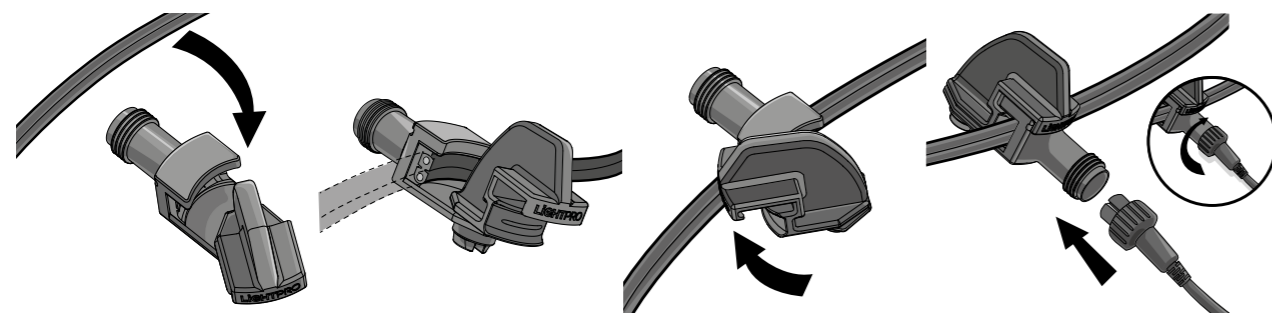
# Explanation of the Lightpro system

We think it is important that you can install outdoor lighting quickly, easily and safely. We've made this possible with our 12-volt system!

All our products and accessories can be linked together on the Lightpro 12-volt system. You can connect up to 80 metres depending on the number of lamps and their distribution. Need more? Then branch off directly at the transformer.

In these steps, you can easily install our outdoor lighting:

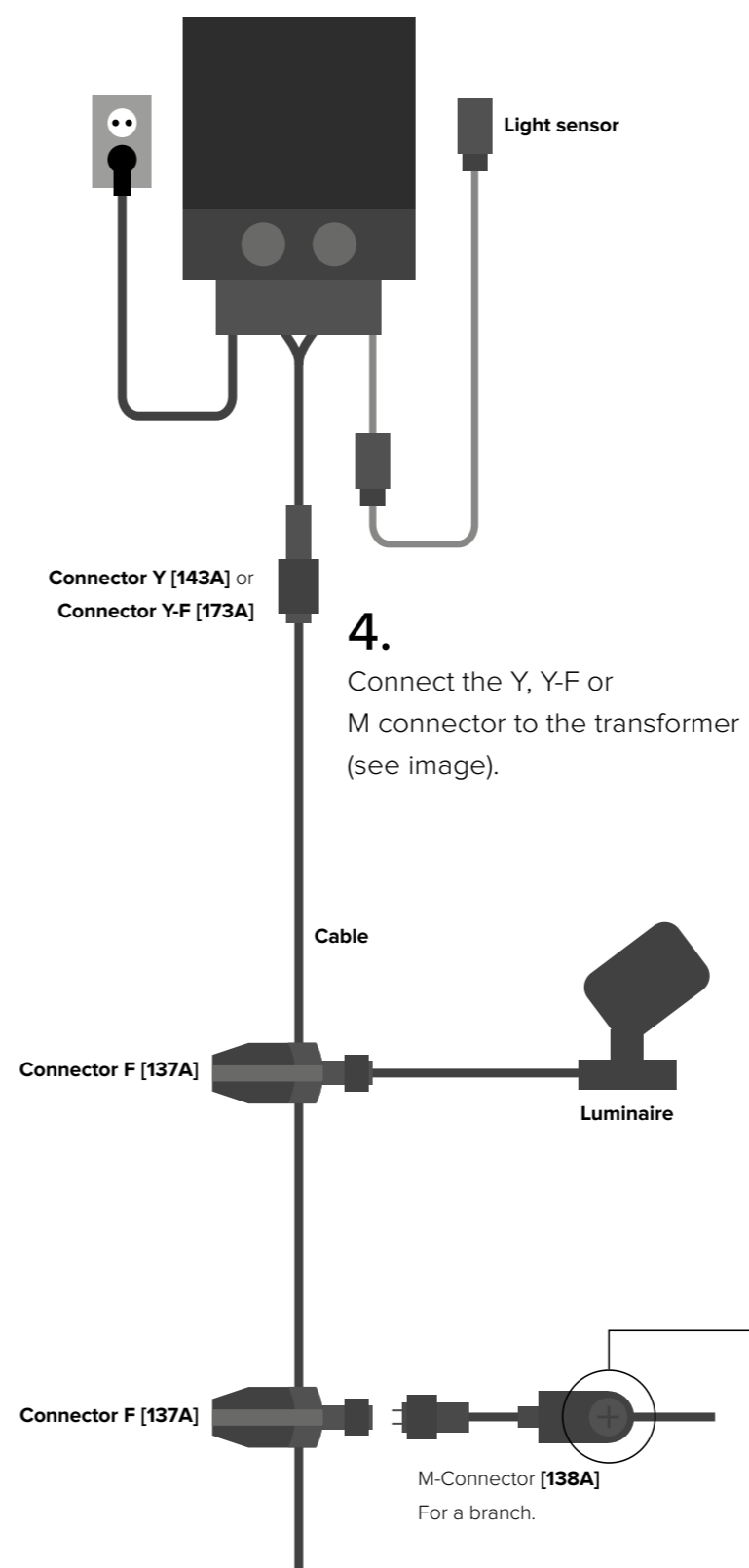
**1.** Place the lights in the desired place and roll out the cable.



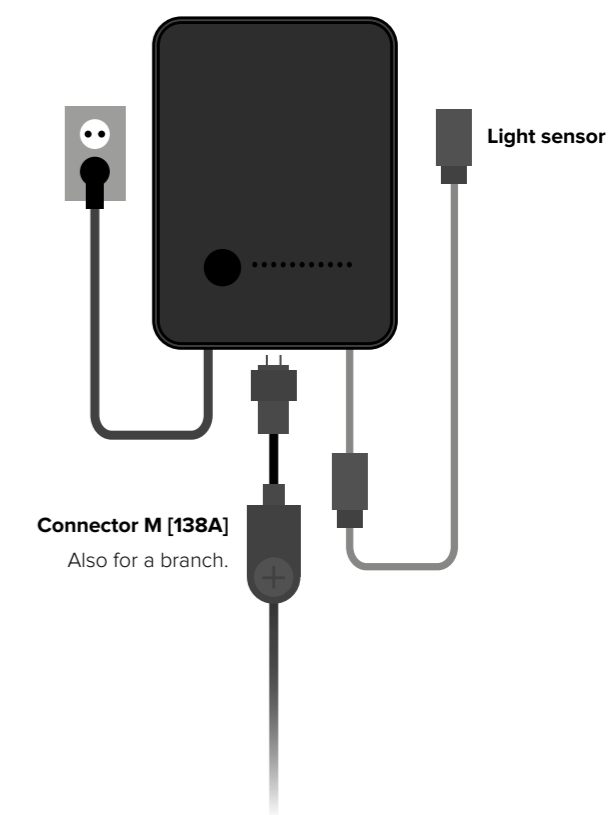
**2.** Insert the lights and connect the Connector F to the main cable.

**3.** Connect the cable of the light to the Connector F.

Transformer 144A and 145A



**NEW:** Transformer 225A and 226A



Do you need more explanation?  
Watch our YouTube channel  
or scan this QR code:

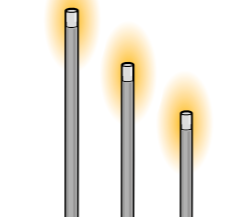




# Post lights


## Erba

Article number 222P | EAN code 8719979283643 | HS Code 94052190 | Warranty 6 Years

Product		Light source		Supplied accessories / contents
Material	Aluminum	Type	G4	F Connector
Colour	Anthracite	Replaceable	No	Ground spike
Cable	1 m H05RN-F	Voltage	12 V AC/DC	
		Start-up-voltage	9 V	
Diameter	20,5 mm	Wattage	1,2 W	
Height	904 + 734 + 564 mm	Lumen output	110 lm	
Drillhole	-	Light Colour (CCT)	3.000 K	<b>Light beam / -effect</b> 
IP Class	IP44	Light angle	-	
Protection class	III	Average lifetime	25.000 hours	
		CRI	82	
		Switch on/off	10.000	
		Dimmable	No	
		Energy class	F	

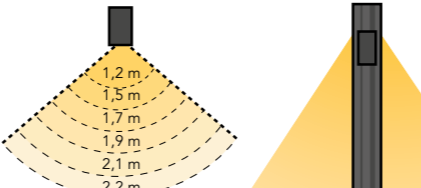
## Erba Mid

Article number 223P | EAN code 8719979283650 | HS Code 94052190 | Warranty 6 Years

Product		Light source		Supplied accessories / contents
Material	Aluminum	Type	G4	F Connector
Colour	Anthracite	Replaceable	No	Ground spike
Cable	1 m H05RN-F	Voltage	12 V AC/DC	
		Start-up-voltage	9 V	
Diameter	20,5 mm	Wattage	1,2 W	
Height	734 mm	Lumen output	110 lm	
Drillhole	-	Light Colour (CCT)	3.000 K	<b>Light beam / -effect</b> 
IP Class	IP44	Light angle	-	
Protection class	III	Average lifetime	25.000 hours	
		CRI	82	
		Switch on/off	10.000	
		Dimmable	No	
		Energy class	F	

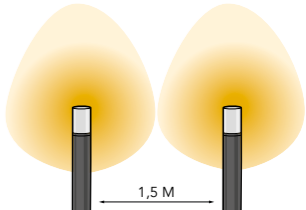
## Alon

Article number 221P | EAN code 8719979283469 | HS Code 94052190 | Warranty 6 Years

Product		Light source		Supplied accessories / contents
Material	Aluminum	Type	SMD	Mounting material
Colour	Anthracite	Replaceable	No	F Connector
Cable	1 m H05RN-F	Voltage	12 V AC/DC	Ground spike
		Start-up-voltage	9 V	Hex Key
Diameter	64 mm	Wattage	3,3 W	
Height	700 mm	Lumen output	220 lm	
Drillhole	-	Light Colour (CCT)	3.000 K	<b>Light beam / -effect</b> 
IP Class	IP44	Light angle	70°	
Protection class	III	Average lifetime	25.000 hours	
		CRI	80	
		Switch on/off	10.000	
		Dimmable	Yes	
		Energy class	G	

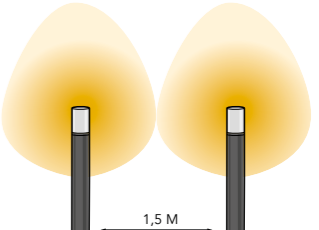
## Oberon Lo

Article number 190P | EAN code 8719979280796 | HS Code 94052190 | Warranty 6 Years

Product		Light source		Supplied accessories / contents
Material	Aluminum	Type	SMD	Mounting material
Colour	Anthracite	Replaceable	No	F Connector
Cable	1 m H05RN-F	Voltage	12 V AC/DC	Ground spike
		Start-up-voltage	9 V	Hex Key
Diameter	64 mm	Wattage	4 W	
Height	420 mm	Lumen output	40 - 400 lm	
Drillhole	-	Light Colour (CCT)	3.000 K	<b>Light beam / -effect</b> 
IP Class	IP44	Light angle	-	
Protection class	III	Average lifetime	25.000 hours	
		CRI	82	
		Switch on/off	10.000	
		Dimmable	Yes	
		Energy class	F	

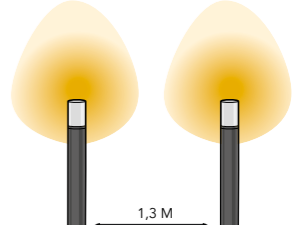
## Oberon Hi

Article number 191P | EAN code 8719979280802 | HS Code 94052190 | Warranty 6 Years

Product		Light source		Supplied accessories / contents
Material	Aluminum	Type	SMD	Mounting material
Colour	Anthracite	Replaceable	No	F Connector
Cable	1 m H05RN-F	Voltage	12 V AC/DC	Ground spike
		Start-up-voltage	9 V	Hex Key
Diameter	64 mm	Wattage	4 W	
Height	665 mm	Lumen output	40 - 400 lm	
Drillhole	-	Light Colour (CCT)	3.000 K	<b>Light beam / -effect</b> 
IP Class	IP44	Light angle	-	
Protection class	III	Average lifetime	25.000 hours	
		CRI	82	
		Switch on/off	10.000	
		Dimmable	Yes	
		Energy class	F	

## Oberon Smart

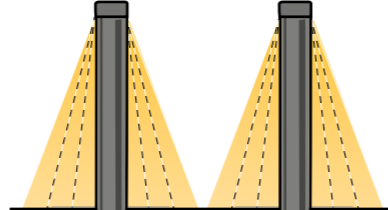
Article number 199N | EAN code 8719979281502 | HS Code 94052190 | Warranty 6 Years

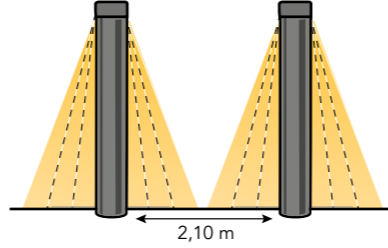
Product		Light source		Supplied accessories / contents
Material	Aluminum	Type	MR16	Mounting material
Colour	Anthracite	Replaceable	Yes	F Connector
Cable	1 m H05RN-F	Voltage	12 V AC/DC	Ground spike
		Start-up-voltage	9 V	Hex Key
Diameter	64 mm	Wattage	5 W	
Height	665 mm	Lumen output	300 lm	
Drillhole	-	Light Colour (CCT)	2.700 - 6.500 K + RGB	<b>Light beam / -effect</b> 
IP Class	IP44	Light angle	-	
Protection class	III	Average lifetime	25.000 hours	
		CRI	80	
Smart	Yes, Zigbee	Switch on/off	10.000	
Required	Gateway	Dimmable	Yes (app)	
		Energy class	G	



## Oberon DL

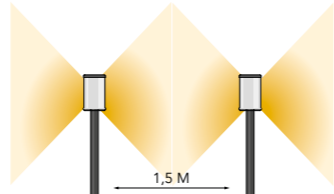
Article number 192P | EAN code 8719979282080 | HS Code 94052190 | Warranty 6 Years

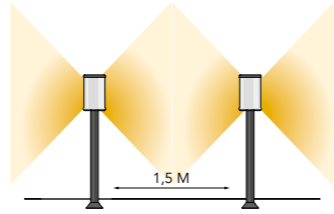
Product		Light source		Supplied accessories / contents
Material	Aluminum	Type	COB	Mounting material
Colour	Anthracite	Replaceable	No	F Connector
Cable	1 m H05RN-F	Voltage	12 V AC/DC	Ground spike
Depth	110 mm	Start-up-voltage	9 V	Hex Key
Diameter	93 mm	Wattage	9 W	Interchangeable plates
Height	600 mm	Lumen output	750 lm	
Drillhole	-	Light Colour (CCT)	3.000 K	<b>Light beam / -effect</b>
IP Class	IP44	Light angle	Variabel	
Protection class	III	Average lifetime	25.000 hours	
		CRI	91	
		Switch on/off	10.000	
		Dimmable	Yes	
		Energy class	F	



## Eros Lo

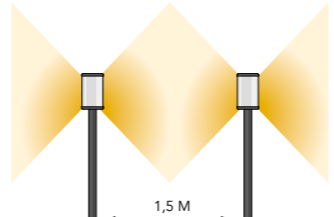
Article number 217P | EAN code 8719979282813 | HS Code 94052190 | Warranty 6 Years

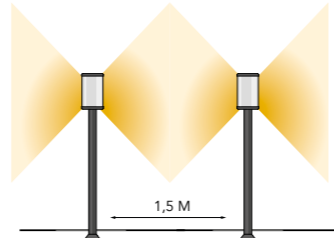
Product		Light source		Supplied accessories / contents
Material	Aluminum/Glass	Type	Filament LED	Mounting material
Colour	Black	Replaceable	Yes	F Connector
Cable	1,2 m H05RN-F	Voltage	12 V AC/DC	Ground spike
		Start-up-voltage	9 V	Hex Key
Diameter	115 mm	Wattage	3,5 W	
Height	550 mm	Lumen output	280 lm	
Drillhole	-	Light Colour (CCT)	2.200 K	<b>Light beam / -effect</b>
IP Class	IP44	Light angle	-	
Protection class	III	Average lifetime	25.000 hours	
		CRI	80	
		Switch on/off	10.000	
		Dimmable	No	
		Energy class	G	



## Eros Hi

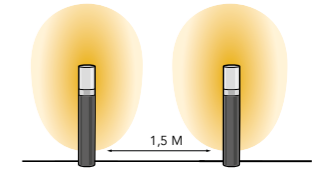
Article number 214P | EAN code 8719979282691 | HS Code 94052190 | Warranty 6 Years

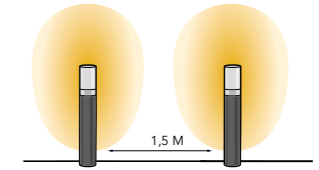
Product		Light source		Supplied accessories / contents
Material	Aluminum/Glass	Type	Filament LED	Mounting material
Colour	Black	Replaceable	Yes	F Connector
Cable	1,2 m H05RN-F	Voltage	12 V AC/DC	Ground spike
		Start-up-voltage	9 V	Hex Key
Diameter	115 mm	Wattage	3,5 W	
Height	870 mm	Lumen output	280 lm	
Drillhole	-	Light Colour (CCT)	2.200 K	<b>Light beam / -effect</b>
IP Class	IP44	Light angle	-	
Protection class	III	Average lifetime	25.000 hours	
		CRI	80	
		Switch on/off	10.000	
		Dimmable	No	
		Energy class	G	



## Barite 40

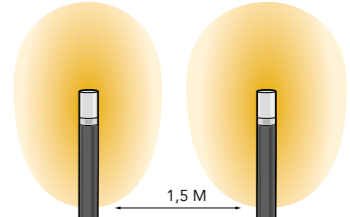
Article number 112P | EAN code 5907800856873 | HS Code 94052190 | Warranty 6 Years

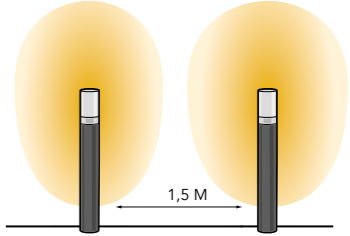
Product		Light source		Supplied accessories / contents
Material	Aluminum	Type	MR16	Mounting material
Colour	Black	Replaceable	Yes	F Connector
Cable	1 m H05RN-F	Voltage	12 V AC/DC	Foam ring
		Start-up-voltage	9 V	Ground spike
Diameter	65 mm	Wattage	2,6 W	Hex Key
Height	410 mm	Lumen output	230 lm	
Drillhole	-	Light Colour (CCT)	3.000 K	<b>Light beam / -effect</b>
IP Class	IP44	Light angle	-	
Protection class	III	Average lifetime	25.000 hours	
		CRI	83	
		Switch on/off	10.000	
		Dimmable	No	
		Energy class	F	



## Barite 60

Article number 111P | EAN code 5907800856866 | HS Code 94052190 | Warranty 6 Years

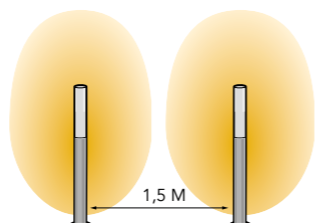
Product		Light source		Supplied accessories / contents
Material	Aluminum	Type	MR16	Mounting material
Colour	Black	Replaceable	Yes	F Connector
Cable	1 m H05RN-F	Voltage	12 V AC/DC	Foam ring
		Start-up-voltage	9 V	Ground spike
Diameter	65 mm	Wattage	2,6 W	Hex Key
Height	575 mm	Lumen output	230 lm	
Drillhole	-	Light Colour (CCT)	3.000 K	<b>Light beam / -effect</b>
IP Class	IP44	Light angle	-	
Protection class	III	Average lifetime	25.000 hours	
		CRI	83	
		Switch on/off	10.000	
		Dimmable	No	
		Energy class	F	





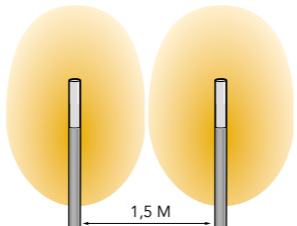
## Nina

Article number 129P | EAN code 5907800857047 | HS Code 94052190 | Warranty 6 Years

Product		Light source		Supplied accessoires / contents
Material	RVS 316	Type	MR16	Mounting material
Colour	Grey	Replaceable	Yes	F Connector
Cable	1 m H05RN-F	Voltage	12 V AC/DC	Hex Key
		Start-up-voltage	9 V	Ground spike (Sold separately. See page 71)
Diameter	55 mm	Wattage	2,6 W	
Height	760 mm	Lumen output	230 lm	
Drillhole	-	Light Colour (CCT)	3.000 K	<b>Light beam / -effect</b>
IP Class	IP44	Light angle	-	
Protection class	III	Average lifetime	25.000 hours	
		CRI	83	
		Switch on/off	10.000	
		Dimmable	No	
		Energy class	F	

## Nodin

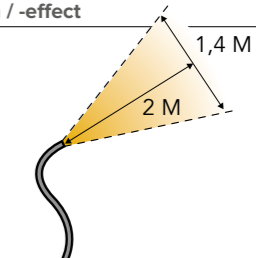
Article number 128P | EAN code 5907800857030 | HS Code 94052190 | Warranty 6 Years

Product		Light source		Supplied accessoires / contents
Material	RVS 316	Type	MR16	Mounting material
Colour	Grey	Replaceable	Yes	F Connector
Cable	1 m H05RN-F	Voltage	12 V AC/DC	Hex Key
		Start-up-voltage	9 V	Ground spike (Sold separately. See page 71)
Diameter	55 mm	Wattage	2,6 W	
Height	1050 mm	Lumen output	230 lm	
Drillhole	-	Light Colour (CCT)	3.000 K	<b>Light beam / -effect</b>
IP Class	IP44	Light angle	-	
Protection class	III	Average lifetime	25.000 hours	
		CRI	83	
		Switch on/off	10.000	
		Dimmable	No	
		Energy class	F	

## Spotlights

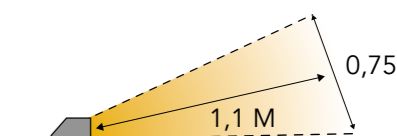
### Xible

Article number 224S | EAN code 8719979283667 | HS Code 94051990 | Warranty 6 Years

Product		Light source		Supplied accessoires / contents
Material	Aluminum	Type	MR8	F Connector
Colour	Black	Replaceable	No	Ground spike
Cable	1,15 m SPT-1W	Voltage	12 V AC/DC	
Depth		Start-up-voltage	9 V	
Width	36 mm	Wattage	2 W	
Height	695 mm	Lumen output	160 lm	
Drillhole	-	Light Colour (CCT)	2.700 K	<b>Light beam / -effect</b>
IP Class	IP44	Light angle	38°	
Protection class	III	Average lifetime	25.000 hours	
		CRI	80	
		Switch on/off	10.000	
		Dimmable	No	
		Energy class	F	

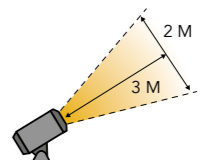
### Tiga DL

Article number 209S | EAN code 8719979282110 | HS Code 94051990 | Warranty 6 Years

Product		Light source		Supplied accessoires / contents
Material	Aluminum	Type	SMD	Mounting material
Colour	Black	Replaceable	No	F Connector
Cable	1,4 m SPT-1W	Voltage	12 V AC/DC	Ground spike
Depth	63 mm	Start-up-voltage	9 V	Hex Key
Width	68 mm	Wattage	5,5 W	Wall mounting
Height	88 mm	Lumen output	75 lm	
Drillhole	-	Light Colour (CCT)	3.000 K	<b>Light beam / -effect</b>
IP Class	IP67	Light angle	90°	
Protection class	III	Average lifetime	25.000 hours	
		CRI	80	
		Switch on/off	10.000	
		Dimmable	Yes	
		Energy class	G	

### Castor 3

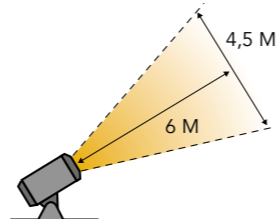
Article number 177S | EAN code 5907800859881 | HS Code 94051990 | Warranty 6 Years

Product		Light source		Supplied accessoires / contents
Material	Aluminum	Type	SMD	Mounting material
Colour	Anthracite	Replaceable	No	F Connector
Cable	1 m H05RN-F	Voltage	12 V AC/DC	Ground spike
Depth	100 mm	Start-up-voltage	9 V	Hex Key
Width	60 mm	Wattage	2,5 W	
Height	95 mm	Lumen output	200 lm	
Drillhole	-	Light Colour (CCT)	3.000 K	<b>Light beam / -effect</b>
IP Class	IP44	Light angle	40°	
Protection class	III	Average lifetime	25.000 hours	
		CRI	84	
		Switch on/off	10.000	
		Dimmable	No	
		Energy class	F	



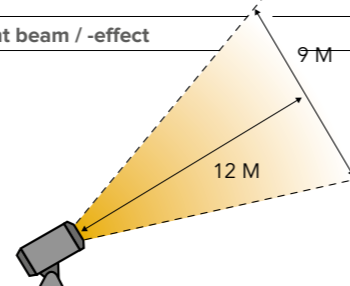
## Castor 4

Article number 178S | EAN code 5907800859898 | HS Code 94051990 | Warranty 6 Years

Product		Light source		Supplied accessories / contents
Material	Aluminum	Type	SMD	Mounting material
Colour	Anthracite	Replaceable	No	F Connector
Cable	1 m H05RN-F	Voltage	12 V AC/DC	Ground spike
Depth	100 mm	Start-up-voltage	9 V	Hex Key
Width	60 mm	Wattage	3,5 W	
Height	95 mm	Lumen output	40 - 400 lm	
Drillhole	-	Light Colour (CCT)	3.000 K	<b>Light beam / -effect</b>
IP Class	IP44	Light angle	40°	
Protection class	III	Average lifetime	25.000 hours	
		CRI	81	
		Switch on/off	10.000	
		Dimmable	Yes	
		Energy class	E	

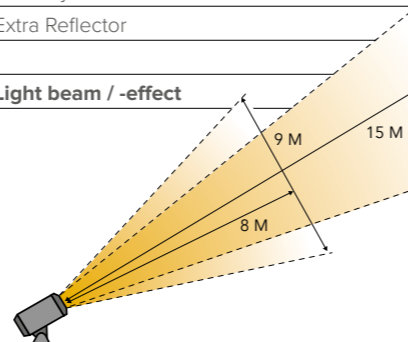
## Castor 8

Article number 179S | EAN code 5907800859904 | HS Code 94051990 | Warranty 6 Years

Product		Light source		Supplied accessories / contents
Material	Aluminum	Type	SMD	Mounting material
Colour	Anthracite	Replaceable	No	F Connector
Cable	1 m H05RN-F	Voltage	12 V AC/DC	Ground spike
Depth	115 mm	Start-up-voltage	9 V	Hex Key
Width	60 mm	Wattage	8 W	
Height	95 mm	Lumen output	80 - 800 lm	
Drillhole	-	Light Colour (CCT)	3.000 K	<b>Light beam / -effect</b>
IP Class	IP44	Light angle	40°	
Protection class	III	Average lifetime	25.000 hours	
		CRI	82	
		Switch on/off	10.000	
		Dimmable	Yes	
		Energy class	F	

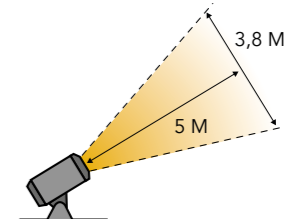
## Castor 9

Article number 180S | EAN code 5907800859911 | HS Code 94051990 | Warranty 6 Years

Product		Light source		Supplied accessories / contents
Material	Aluminum	Type	COB	Mounting material
Colour	Anthracite	Replaceable	No	F Connector
Cable	1 m H05RN-F	Voltage	12 V AC/DC	Ground spike
Depth	120 mm	Start-up-voltage	9 V	Hex Key
Width	60 mm	Wattage	9 W	Extra Reflector
Height	95 mm	Lumen output	65 - 750 lm	
Drillhole	-	Light Colour (CCT)	3.000 K	<b>Light beam / -effect</b>
IP Class	IP44	Light angle	30° / 60°	
Protection class	III	Average lifetime	25.000 hours	
		CRI	91	
		Switch on/off	10.000	
		Dimmable	Yes	
		Energy class	F	

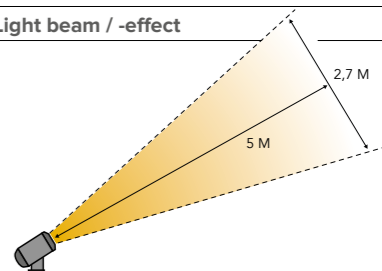
## Castor Smart

Article number 200N | EAN code 8719979281526 | HS Code 94052190 | Warranty 6 Years

Product		Light source		Supplied accessories / contents
Material	Aluminum	Type	MR16	Mounting material
Colour	Anthracite	Replaceable	Yes	F Connector
Cable	1 m H05RN-F	Voltage	12 V AC/DC	Ground spike
Depth	120 mm	Start-up-voltage	9 V	Hex Key
Width	60 mm	Wattage	5 W	
Height	95 mm	Lumen output	300 lm	
Drillhole	-	Light Colour (CCT)	2.700 - 6.500 K + RGB	<b>Light beam / -effect</b>
IP Class	IP44	Light angle	40°	
Protection class	III	Average lifetime	25.000 hours	
		CRI	81	
Smart	Yes, Zigbee	Switch on/off	10.000	
Required	Gateway	Dimmable	Yes (app)	
		Energy class	G	

## Juno Tube

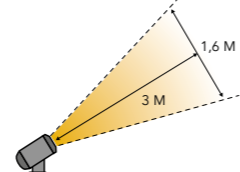
Article number 213S | EAN code 8719979282677 | HS Code 94051990 | Warranty 6 Years

Product		Light source		Supplied accessories / contents
Material	Aluminum	Type	SMD	Mounting material
Colour	Anthracite	Replaceable	No	F Connector
Cable	3 m AWM2464	Voltage	12 V AC/DC	Hex Key
Depth	68 mm	Start-up-voltage	9 V	Sold separately Tube
Width	55 mm	Wattage	4 W	
Height	85 mm	Lumen output	372 lm	
Drillhole	-	Light Colour (CCT)	3.000 K	<b>Light beam / -effect</b>
IP Class	IP65	Light angle	30°	
Protection class	III	Average lifetime	25.000 hours	
		CRI	83	
		Switch on/off	10.000	
		Dimmable	No	
		Energy class	F	



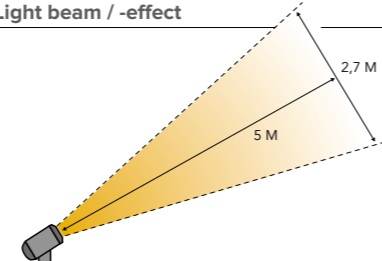
## Juno 2

Article number 193S | EAN code 8719979280826 | HS Code 94051990 | Warranty 6 Years

Product		Light source		Supplied accessories / contents
Material	Aluminum	Type	SMD	Mounting material
Colour	Anthracite	Replaceable	No	F Connector
Cable	2 m AWM2464	Voltage	12 V AC/DC	Ground spike
Depth	68 mm	Start-up-voltage	9 V	Hex Key
Width	55 mm	Wattage	1,5 W	Socket
Height	85 mm	Lumen output	192 lm	
Drillhole	-	Light Colour (CCT)	3.000 K	<b>Light beam / -effect</b>
IP Class	IP65	Light angle	30°	
Protection class	III	Average lifetime	25.000 hours	
		CRI	83	
		Switch on/off	10.000	
		Dimmable	No	
		Energy class	D	

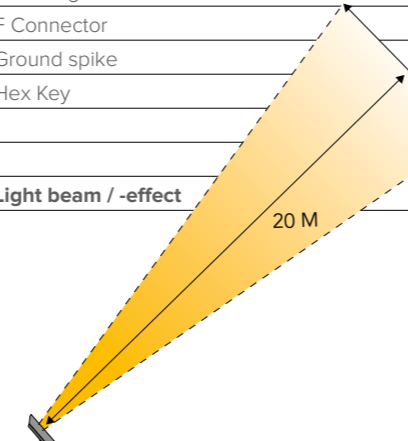
## Juno 4

Article number 194S | EAN code 8719979280833 | HS Code 94051990 | Warranty 6 Years

Product		Light source		Supplied accessories / contents
Material	Aluminum	Type	SMD	Mounting material
Colour	Anthracite	Replaceable	No	F Connector
Cable	2 m H05RN-F	Voltage	12 V AC/DC	Ground spike
Depth	68 mm	Start-up-voltage	9 V	Hex Key
Width	55 mm	Wattage	4 W	Socket
Height	85 mm	Lumen output	372 lm	
Drillhole	-	Light Colour (CCT)	3.000 K	<b>Light beam / -effect</b>
IP Class	IP65	Light angle	30°	
Protection class	III	Average lifetime	25.000 hours	
		CRI	83	
		Switch on/off	10.000	
		Dimmable	No	
		Energy class	F	

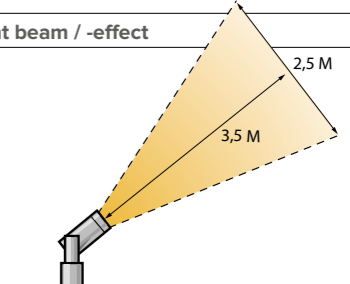
## Avior

Article number 181S | EAN code 5907800859928 | HS Code 94051990 | Warranty 6 Years

Product		Light source		Supplied accessories / contents
Material	Aluminum	Type	COB	Mounting material
Colour	Anthracite	Replaceable	No	F Connector
Cable	1 m H05RN-F	Voltage	12 V AC/DC	Ground spike
Depth	68 mm	Start-up-voltage	9 V	Hex Key
Width	180 mm	Wattage	16 W	
Height	125 mm	Lumen output	150 - 1500 lm	
Drillhole	-	Light Colour (CCT)	3.000 K	<b>Light beam / -effect</b>
IP Class	IP44	Light angle	100°	
Protection class	III	Average lifetime	25.000 hours	
		CRI	80	
		Switch on/off	10.000	
		Dimmable	Yes	
		Energy class	F	

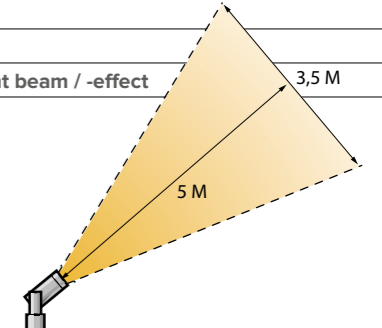
## Nova 3

Article number 117S | EAN code 5907800856927 | HS Code 94051990 | Warranty 6 Years

Product		Light source		Supplied accessories / contents
Material	RVS 316	Type	MR11	Mounting material
Colour	Grey	Replaceable	Yes	F Connector
Cable	1 m H05RN-F	Voltage	12 V AC/DC	Ground spike
Depth	83 mm	Start-up-voltage	9 V	
Width	80 mm	Wattage	3 W	
Height	152 mm	Lumen output	190 lm	
Drillhole	-	Light Colour (CCT)	3.000 K	<b>Light beam / -effect</b>
IP Class	IP44	Light angle	30°	
Protection class	III	Average lifetime	25.000 hours	
		CRI	83	
		Switch on/off	10.000	
		Dimmable	No	
		Energy class	G	

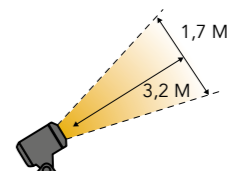
## Nova 5

Article number 116S | EAN code 5907800856910 | HS Code 94051990 | Warranty 6 Years

Product		Light source		Supplied accessories / contents
Material	RVS 316	Type	MR16	Mounting material
Colour	Grey	Replaceable	Yes	F Connector
Cable	1 m H05RN-F	Voltage	12 V AC/DC	Ground spike
Depth	120 mm	Start-up-voltage	9 V	Hex Key
Width	100 mm	Wattage	5 W	
Height	185 mm	Lumen output	380 lm	
Drillhole	-	Light Colour (CCT)	3.000 K	<b>Light beam / -effect</b>
IP Class	IP44	Light angle	40°	
Protection class	III	Average lifetime	25.000 hours	
		CRI	80	
		Switch on/off	10.000	
		Dimmable	No	
		Energy class	G	

## Nilus

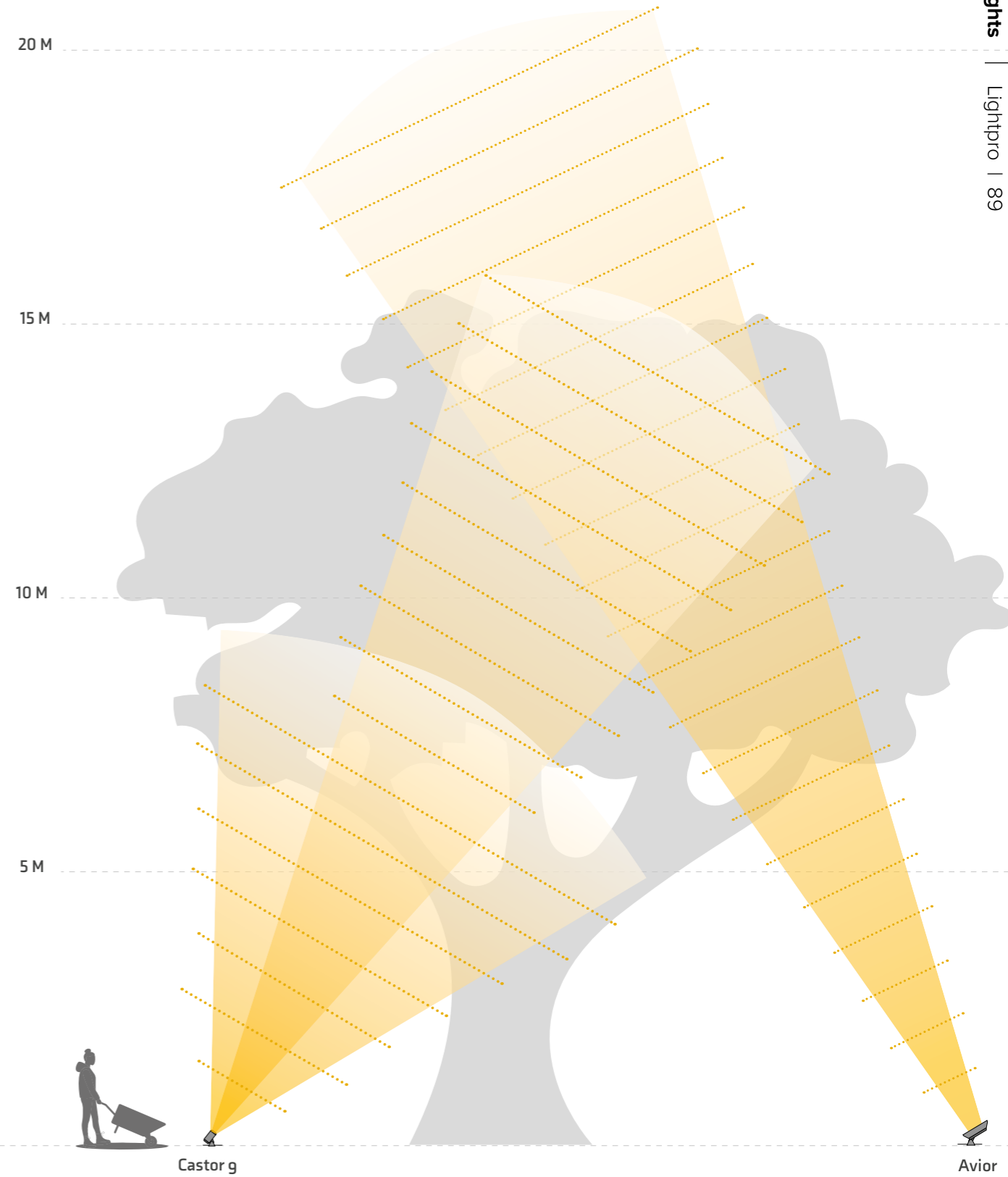
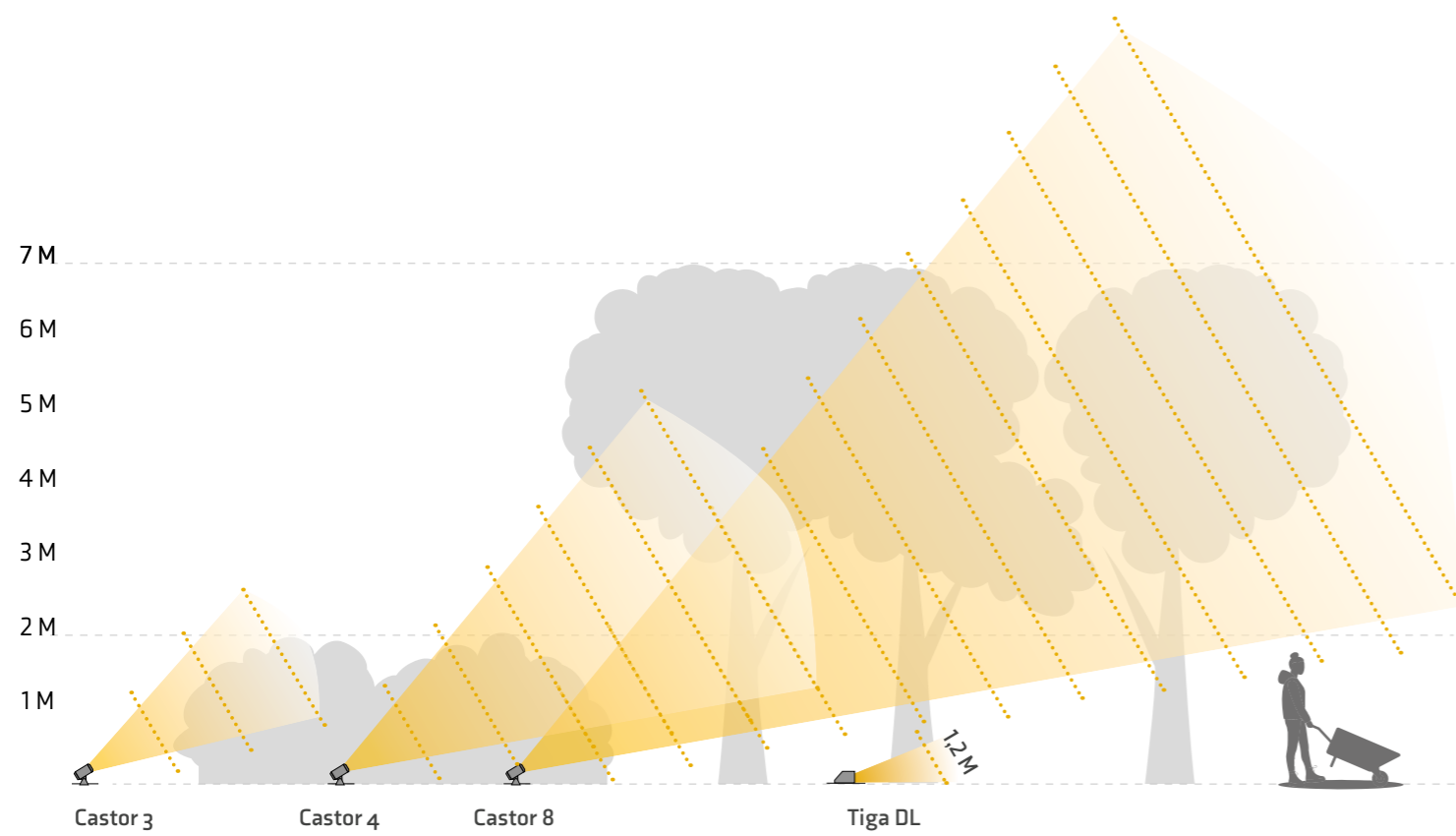
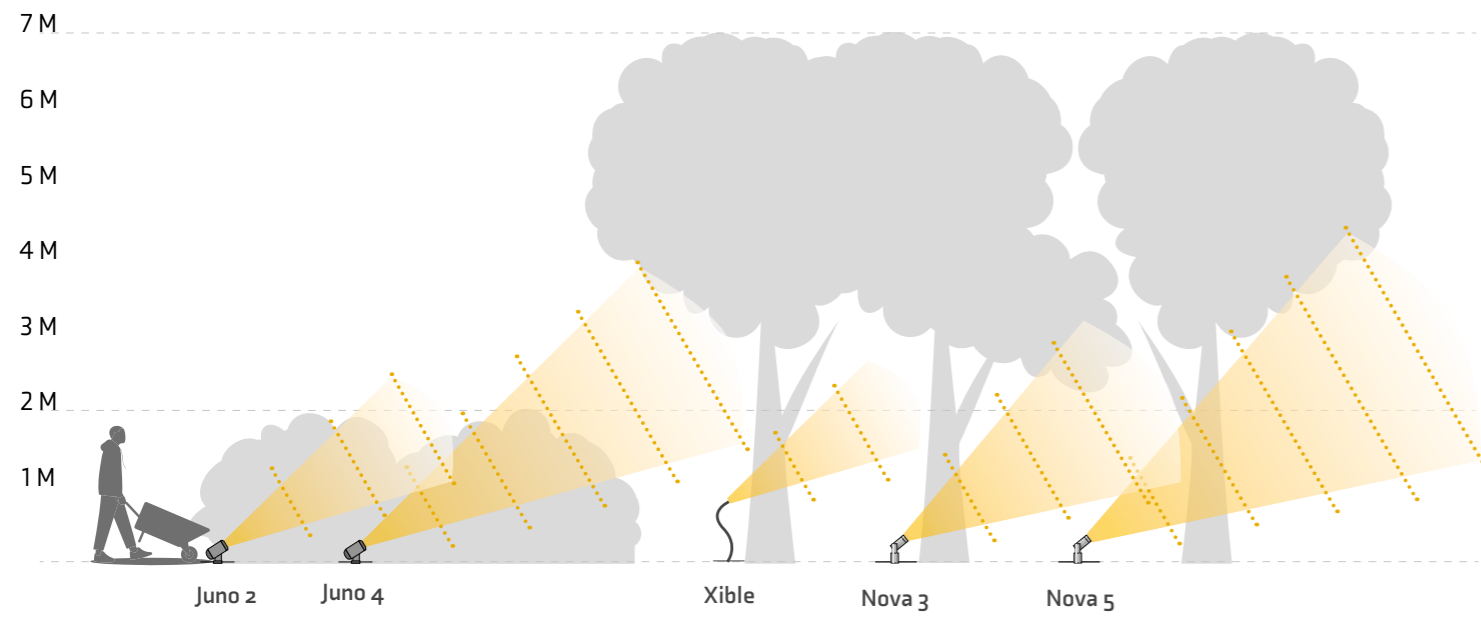
Article number 210S | EAN code 8719979282127 | HS Code 94051990 | Warranty 6 Years

Product		Light source		Supplied accessories / contents
Material	ABS	Type	SMD	F Connector
Colour	Black	Replaceable	No	Mounting material
Cable	5 m H05RN-F	Voltage	12 V AC/DC	
Depth	110 mm	Start-up-voltage	9 V	
Width	95 mm	Wattage	3,4 W	
Height	135 mm	Lumen output	360 lm	
Drillhole	-	Light Colour (CCT)	3.000 K	<b>Light beam / -effect</b>
IP Class	IP68	Light angle	30°	
Protection class	III	Average lifetime	25.000 hours	
		CRI	82	
		Switch on/off	10.000	
		Dimmable	No	
		Energy class	F	



## Spotlights

The object you want to illuminate is the key determiner when selecting the right spotlight. So take a good look at how much light output is needed to illuminate your entire tree or bush.

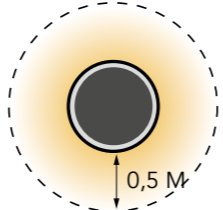




# Wall lighting

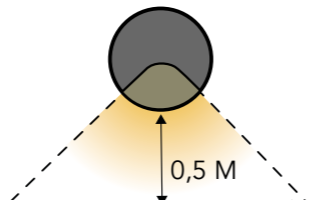
## Polaris

Article number 185W | EAN code 5907800859966 | HS Code 94051190 | Warranty 6 Years

Product		Light source		Supplied accessories / contents
Material	Aluminum	Type	SMD	Mounting material
Colour	Anthracite	Replaceable	No	F Connector
Cable	3 m SPT-1W	Voltage	12 V AC/DC	
		Start-up-voltage	9 V	
Depth	35 mm	Wattage	6 W	
Diameter	145 mm	Lumen output	500 lm	
Drillhole	-	Light Colour (CCT)	3.000 K	<b>Light beam / -effect</b>
IP Class	IP44	Light angle	360°	
Protection class	III	Average lifetime	25.000 hours	
		CRI	83	
		Switch on/off	10.000	
		Dimmable	No	
		Energy class	G	

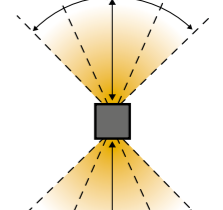
## Kuma

Article number 184W | EAN code 5907800859959 | HS Code 94051190 | Warranty 6 Years

Product		Light source		Supplied accessories / contents
Material	Aluminum	Type	SMD	Mounting material
Colour	Anthracite	Replaceable	No	F Connector
Cable	3 m SPT-1W	Voltage	12 V AC/DC	Hex Key
		Start-up-voltage	9 V	
Depth	35 mm	Wattage	6 W	
Diameter	145 mm	Lumen output	294 lm	
Drillhole	-	Light Colour (CCT)	3.000 K	<b>Light beam / -effect</b>
IP Class	IP44	Light angle	90°	
Protection class	III	Average lifetime	25.000 hours	
		CRI	83	
		Switch on/off	10.000	
		Dimmable	No	
		Energy class	G	

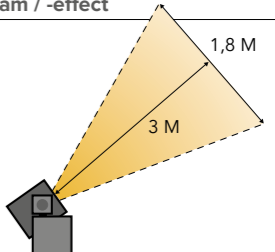
## Ixon

Article number 182W | EAN code 5907800859935 | HS Code 94051190 | Warranty 6 Years

Product		Light source		Supplied accessories / contents
Material	Aluminum	Type	COB	Mounting material
Colour	Anthracite	Replaceable	No	F Connector
Cable	3 m SPT-1W	Voltage	12 V AC/DC	Hex Key
		Start-up-voltage	9 V	
Depth	110 mm	Wattage	9 W	
Width	110 mm	Lumen output	50 - 530 lm	
Height	110 mm	Light Colour (CCT)	3.000 K	<b>Light beam / -effect</b>
Drillhole	-	Light angle	0 - 90°	
IP Class	IP44	Average lifetime	25.000 hours	
Protection class	III	CRI	84	
		Switch on/off	10.000	
		Dimmable	Yes	
		Energy class	G	

## Quartz

Article number 196W | EAN code 8719979281083 | HS Code 94051190 | Warranty 6 Years

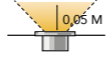
Product		Light source		Supplied accessories / contents
Material	Aluminum	Type	MR11	Mounting material
Colour	Black	Replaceable	Yes	F Connector
Cable	3 m SPT-1W	Voltage	12 V AC/DC	Ground spike
		Start-up-voltage	9 V	
Depth	85 mm	Wattage	1,8 W	
Width	50 mm	Lumen output	150 lm	
Height	105 mm	Light Colour (CCT)	3.000 K	<b>Light beam / -effect</b>
Drillhole	-	Light angle	30°	
IP Class	IP44	Average lifetime	25.000 hours	
Protection class	III	CRI	83	
		Switch on/off	10.000	
		Dimmable	No	
		Energy class	F	



# Decklights

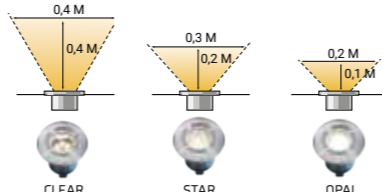
## Onyx 20

Article number 212D | EAN code 8719979282233 | HS Code 94051940 | Warranty 6 Years

Product		Light source		Supplied accessories / contents
Material	Synthetic	Type	SMD	F Connector
Colour	Black	Replaceable	No	
Cable	1 m H05RN-F	Voltage	12 V AC/DC	
		Start-up-voltage	9 V	
Diameter	20 mm	Wattage	0,3 W	
Height	33 mm	Lumen output	1 lm	
Drillhole	20 mm	Light Colour (CCT)	2.700 K	<b>Light beam / -effect</b> 
IP Class	IP67	Light angle	-	
Protection class	III	Average lifetime	25.000 hours	
Can be driven over	Yes (auto)	CRI	80	
		Switch on/off	10.000	
		Dimmable	No	
		Energy class	-	

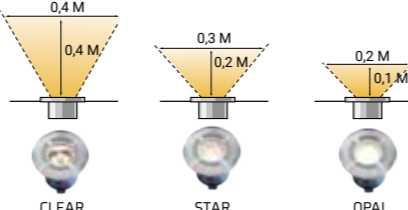
## Onyx 30 R1

Article number 150D | EAN code 5907800857993 | HS Code 94051990 | Warranty 6 Years

Product		Light source		Supplied accessories / contents
Material	RVS 316	Type	SMD	Extra glasses
Colour	Grey	Replaceable	No	F Connector
Cable	1 m H05RN-F	Voltage	12 V AC/DC	
		Start-up-voltage	9 V	
Diameter	45 mm	Wattage	0,5 W	
Height	40 mm	Lumen output	4 lm	
Drillhole	30 mm	Light Colour (CCT)	2.700 K	<b>Light beam / -effect</b> 
IP Class	IP67	Light angle	-	
Protection class	III	Average lifetime	25.000 hours	
Can be driven over	Yes (auto)	CRI	83	
		Switch on/off	10.000	
		Dimmable	No	
		Energy class	-	

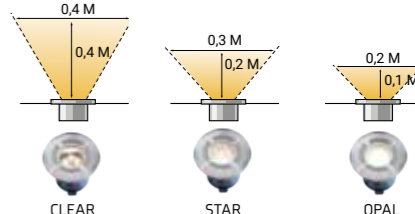
## Onyx 60 R1

Article number 151D | EAN code 5907800858006 | HS Code 94051990 | Warranty 6 Years

Product		Light source		Supplied accessories / contents
Material	RVS 316	Type	SMD	Extra glasses
Colour	Grey	Replaceable	No	F Connector
Cable	1 m H05RN-F	Voltage	12 V AC/DC	
		Start-up-voltage	9 V	
Diameter	75 mm	Wattage	1 W	
Height	42 mm	Lumen output	23 lm	
Drillhole	60 mm	Light Colour (CCT)	2.700 K	<b>Light beam / -effect</b> 
IP Class	IP67	Light angle	-	
Protection class	III	Average lifetime	25.000 hours	
Can be driven over	Yes (auto)	CRI	84	
		Switch on/off	10.000	
		Dimmable	No	
		Energy class	-	

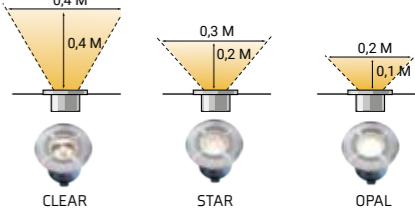
## Onyx 60 R3

Article number 153D | EAN code 5907800858020 | HS Code 94051990 | Warranty 6 Years

Product		Light source		Supplied accessories / contents
Material	RVS 316	Type	SMD	Extra glasses
Colour	Grey	Replaceable	No	F Connector
Cable	1 m H05RN-F	Voltage	12 V AC/DC	
		Start-up-voltage	9 V	
Diameter	75 mm	Wattage	1 W	
Height	42 mm	Lumen output	23 lm	
Drillhole	60 mm	Light Colour (CCT)	2.700 K	<b>Light beam / -effect</b> 
IP Class	IP67	Light angle	-	
Protection class	III	Average lifetime	25.000 hours	
Can be driven over	Yes (auto)	CRI	84	
		Switch on/off	10.000	
		Dimmable	No	
		Energy class	-	

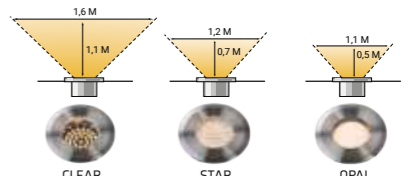
## Onyx 60 R4

Article number 154D | EAN code 5907800858037 | HS Code 94051990 | Warranty 6 Years

Product		Light source		Supplied accessories / contents
Material	RVS 316	Type	SMD	Extra glasses
Colour	Grey	Replaceable	No	F Connector
Cable	1 m H05RN-F	Voltage	12 V AC/DC	
		Start-up-voltage	9 V	
Diameter	75 mm	Wattage	1 W	
Height	42 mm	Lumen output	23 lm	
Drillhole	60 mm	Light Colour (CCT)	2.700 K	<b>Light beam / -effect</b> 
IP Class	IP67	Light angle	-	
Protection class	III	Average lifetime	25.000 hours	
Can be driven over	Yes (auto)	CRI	84	
		Switch on/off	10.000	
		Dimmable	No	
		Energy class	-	

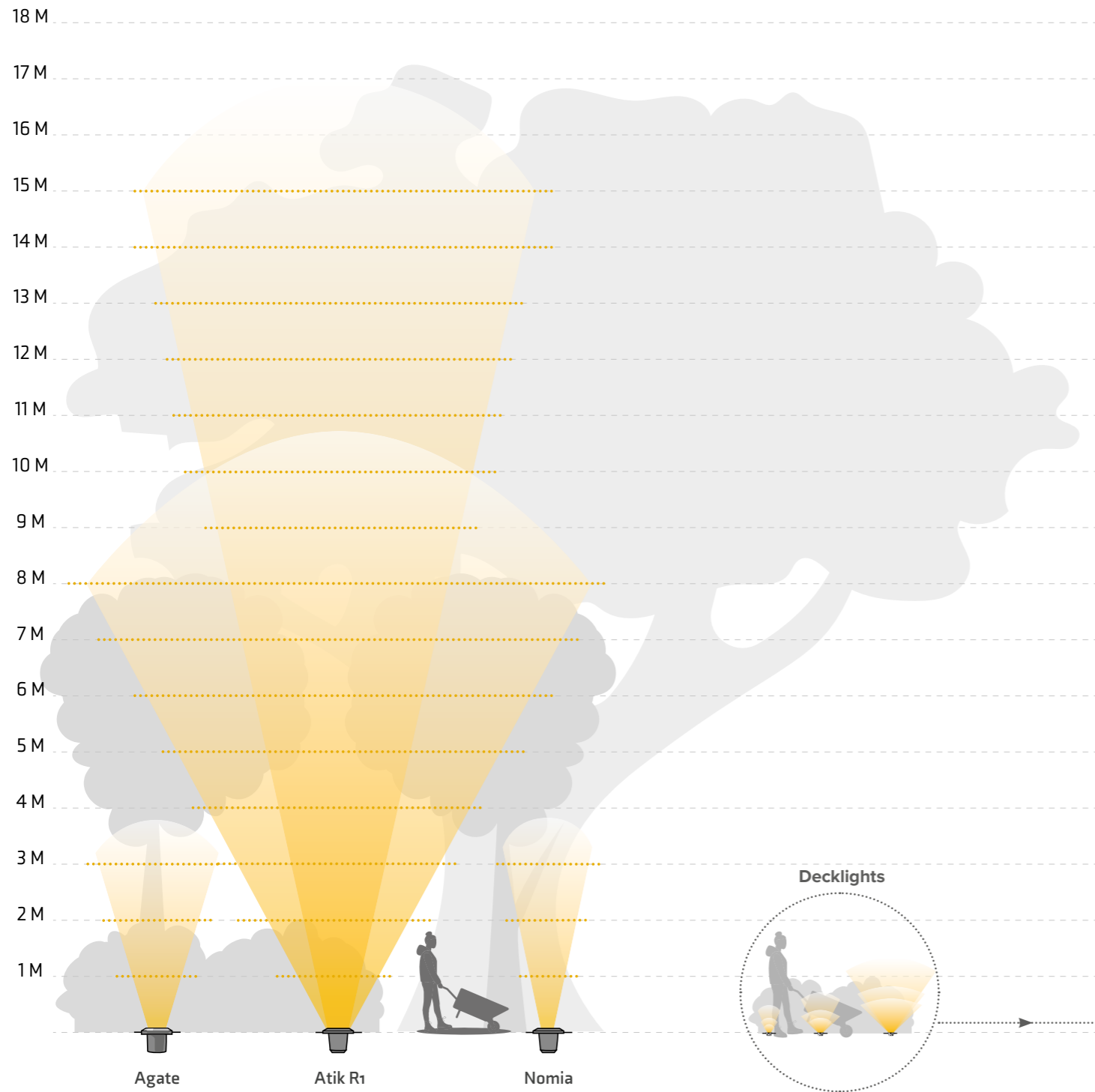
## Onyx 90 R1

Article number 156D | EAN code 5907800858051 | HS Code 94051990 | Warranty 6 Years

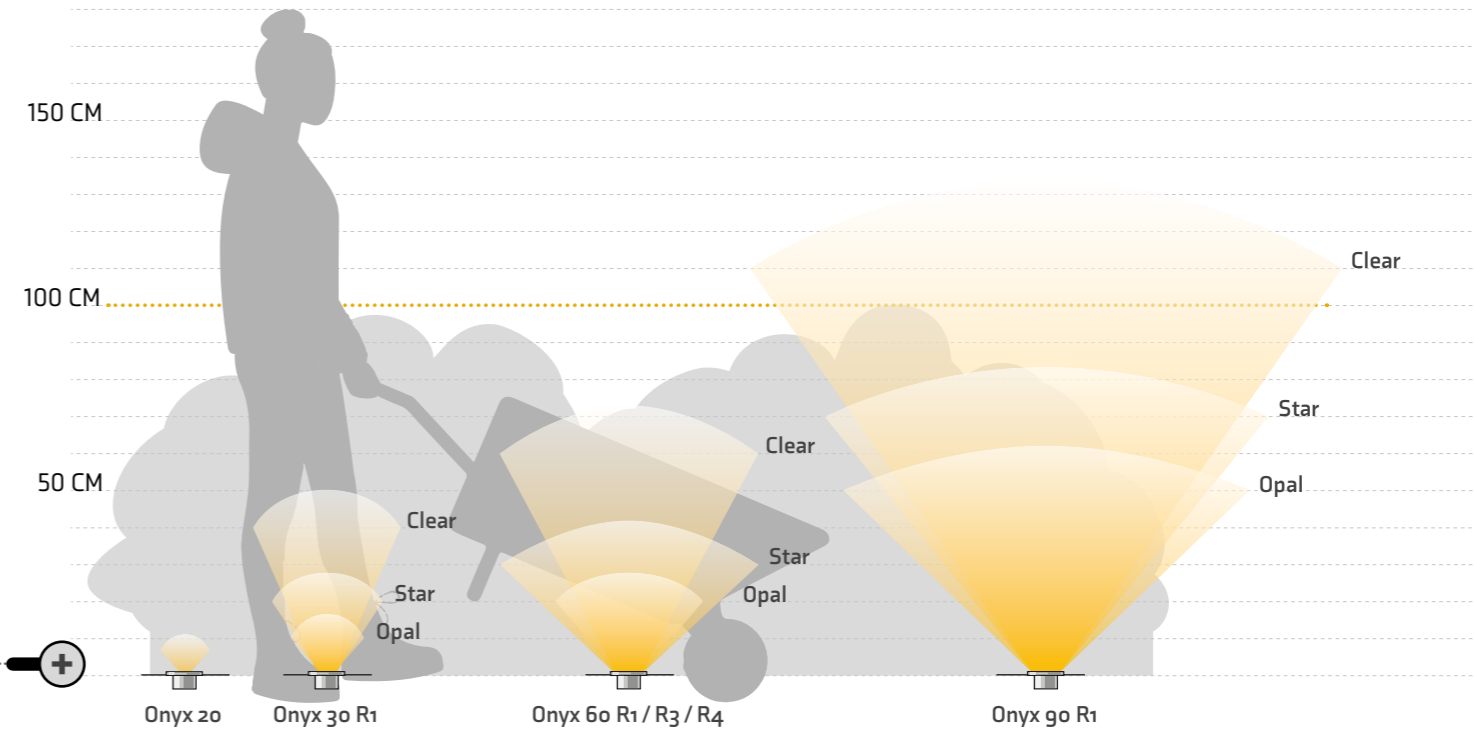
Product		Light source		Supplied accessories / contents
Material	RVS 316	Type	SMD	Extra glasses
Colour	Grey	Replaceable	No	F Connector
Cable	1 m H05RN-F	Voltage	12 V AC/DC	
		Start-up-voltage	9 V	
Diameter	105 mm	Wattage	2 W	
Height	42 mm	Lumen output	76 lm	
Drillhole	90 mm	Light Colour (CCT)	2.700 K	<b>Light beam / -effect</b> 
IP Class	IP67	Light angle	-	
Protection class	III	Average lifetime	25.000 hours	
Can be driven over	Yes (auto)	CRI	84	
		Switch on/off	10.000	
		Dimmable	No	
		Energy class	G	



## Up- & Decklights



Decklights are most commonly used as orientation lights. In the image below you can easily compare the different decklights and select the right one.



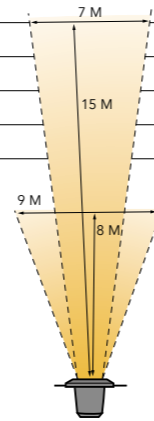


## Uplights

### Atik R1

Article number 186U | EAN code 5907800859973 | HS Code 94051990 | Warranty 6 Years

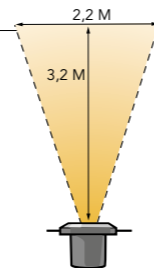
Product		Light source		Supplied accessories / contents
Material	Aluminum	Type	COB	Ground tube
Colour	Black	Replaceable	No	F Connector
Cable	1 m H05RN-F	Voltage	12 V AC/DC	Hex Key
		Start-up-voltage	9 V	Extra Reflector
Diameter	120 mm	Wattage	9 W	
Height	135 mm	Lumen output	750 lm	
Drillhole	100 mm	Light Colour (CCT)	3.000 K	<b>Light beam / -effect</b>
IP Class	IP67	Light angle	23° / 60°	
Protection class	III	Average lifetime	25.000 hours	
Can be driven over	No	CRI	92	
		Switch on/off	10.000	
		Dimmable	Yes	
		Energy class	F	



### Agate

Article number 102U | EAN code 5907800856774 | HS Code 94051990 | Warranty 6 Years

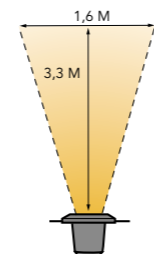
Product		Light source		Supplied accessories / contents
Material	RVS 316	Type	MR16	Ground tube
Colour	Grey	Replaceable	Yes	F Connector
Cable	0,5 m H05RN-F	Voltage	12 V AC/DC	Hex Key
		Start-up-voltage	9 V	
Diameter	115 mm	Wattage	2,6 W	
Height	113 mm	Lumen output	230 lm	
Drillhole	90 mm	Light Colour (CCT)	3.000 K	<b>Light beam / -effect</b>
IP Class	IP67	Light angle	40°	
Protection class	III	Average lifetime	25.000 hours	
Can be driven over	Yes (auto)	CRI	83	
		Switch on/off	10.000	
		Dimmable	Yes	
		Energy class	F	



### Nomia

Article number 207U | EAN code 8719979282097 | HS Code 94051990 | Warranty 6 Years

Product		Light source		Supplied accessories / contents
Material	Aluminum	Type	SMD	Ground tube
Colour	Black	Replaceable	No	F Connector
Cable	1 m H05RN-F	Voltage	12 V AC/DC	
		Start-up-voltage	9 V	
Diameter	90 mm	Wattage	3 W	
Height	125 mm	Lumen output	310 lm	
Drillhole	70 mm	Light Colour (CCT)	3.000 K	<b>Light beam / -effect</b>
IP Class	IP67	Light angle	40°	
Protection class	III	Average lifetime	25.000 hours	
Can be driven over	No	CRI	82	
		Switch on/off	10.000	
		Dimmable	No	
		Energy class	F	

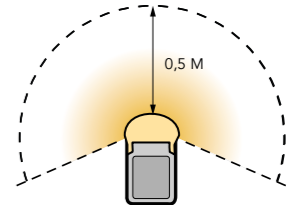


## Decorative lights

### Led strip

Article number 175L | EAN code 5907800859850 | HS Code 94051940 | Warranty 6 Years

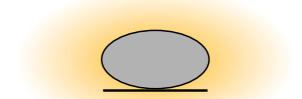
Product		Light source		Supplied accessories / contents
Material	Synthetic	Type	SMD	Excl. Led strip connector [220L]
Colour	White	Replaceable	No	
Cable	-	Voltage	12 V AC/DC	
Length	15 m	Start-up-voltage	9 V	
Width	10 mm	Wattage	2,2 Watt per meter	
Height	16 mm	Lumen output	90 lm / m	
Drillhole	-	Light Colour (CCT)	3.000 K	<b>Light beam / -effect</b>
IP Class	IP67	Light angle	-	
Protection class	III	Average lifetime	25.000 hours	
		CRI	81	
		Switch on/off	10.000	
		Dimmable	No	
		Energy class	G	



### Deco 1

Article number 135R | EAN code 5907800857443 | Warranty 6 Years

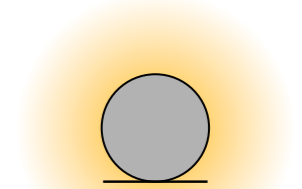
Product		Light source		Supplied accessories / contents
Material	Polyethylene	Type		Mounting material
Colour	White	Replaceable	Yes	F Connector
Cable	1,5 m H05RN-F	Voltage	12 V AC/DC	
Length	160 mm	Start-up-voltage	9 V	
Width	280 mm	Wattage	2 W	
Height	280 mm	Lumen output	53 lm	
		Light Colour (CCT)	RGB	<b>Light beam / -effect</b>
IP Class	IP44	Light angle		
Protection class	III	Average lifetime	25.000 hours	
		CRI		
		Switch on/off	10.000	
		Dimmable	Yes	
		Energy class	G	



### Deco 2

Article number 132R | EAN code 5907800857412 | Warranty 6 Years

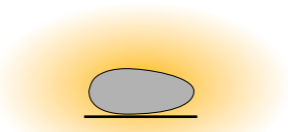
Product		Light source		Supplied accessories / contents
Material	Polyethylene	Type		Mounting material
Colour	White	Replaceable	Yes	F Connector
Cable	1 m H05RN-F	Voltage	12 V AC/DC	
Length	400 mm	Start-up-voltage	9 V	
Width	400 mm	Wattage	3 W	
Height	400 mm	Lumen output	65 lm	
		Light Colour (CCT)	RGB	<b>Light beam / -effect</b>
IP Class	IP44	Light angle		
Protection class	III	Average lifetime	25.000 hours	
		CRI		
		Switch on/off	10.000	
		Dimmable	Yes	
		Energy class	G	





## Deco 3

Article number 134R | EAN code 5907800857436 | Warranty 6 Years

Product		Light source		Supplied accessories / contents
Material	Polyethylene	Type		Mounting material
Colour	White	Replaceable	Yes	F Connector
Cable	1,5 m H05RN-F	Voltage	12 V AC/DC	
Length	400 mm	Start-up-voltage	9 V	
Width	150 mm	Wattage	2 W	
Height	290 mm	Lumen output	52 lm	
		Light Colour (CCT)	RGB	<b>Light beam / -effect</b>
IP Class	IP44	Light angle		
Protection class	III	Average lifetime	25.000 hours	
		CRI		
		Switch on/off	10.000	
		Dimmable	Yes	
		Energy class	G	



**TECHMAR B.V.**

CHOPINSTRAAAT 10

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