



CLS-LED Covelight Superior manual

#140070	5 Meter Strip						Driver Excl.	80 gr/m	10.000 h	SMD 150 x	2500K	2 cm		28 mm	24 VDC	Max. 6 W/m	IP44	
#140075	10 Meter Strip						Driver Excl.	80 gr/m	10.000 h	SMD 300 x	2500K	2 cm		28 mm	24 VDC	Max. 6 W/m	IP44	
#140095	5 Meter Strip						Driver Excl.	80 gr/m	10.000 h	SMD 150 x	3000K	2 cm		28 mm	24 VDC	Max. 6 W/m	IP44	
#141000	10 Meter Strip						Driver Excl.	80 gr/m	10.000 h	SMD 300 x	3000K	2 cm		28 mm	24 VDC	Max. 6 W/m	IP44	



Art #: 871609



Art #: I41006



Art #: 707037



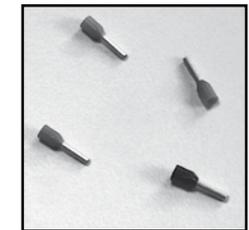
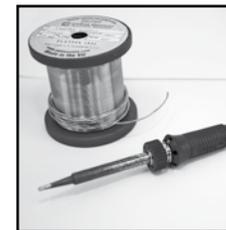
BT power supply



Art #: 872012



Art #: I41170



INTRODUCTION

Thank you for selecting the Covelight Superior. CLS offers the ultimate cove lighting product for warm white lighting. Not only for cove lighting is our Covelight Superior the first choice. Also in all sorts of furniture applications the cove light will be a perfect solution.

PACKAGE

The Covelight Superior comes in two package sizes; in 5 and 10 meter. Both lengths are equipped with a 1 meter connection cable that is mounted on both ends, to make quick installation possible. For instance, when you need multiple 5 metre pieces, you can order 5 meter, but also 10 meter and cut them in half. Then you have two 5 metre pieces with connection cable that is already mounted. All you need to do is to glue the end-caps (Continue on page 6). When using the total length of 5 or 10 meter, just cut off one of the connection cables, and glue the endcap. (Continue on page 6). Any other lengths are also possible with an interval of 20 cm.

OPERATION

Make sure to connect the product only to suited power supplies and connect it as described in the manual. When using an optional dimmer, follow the instructions as supplied with the dimmer. Do not use any dimmer other than suited for this product. Make sure there is no force or any kind of pressure on the product. This can cause failure of the product. Use the optional mounting accessories for the correct mounting of the product.

NOTE: It is important to read this manual before you install this product.

SAFETY INFORMATION

Warning! This product is for professional use only, not for domestic use. Read this manual before powering up or installing this product. Follow the instructions listed below and observe all warnings in this manual.

Protection from electric shock

- Disconnect the power supply from AC power before installing, dismantling or maintaining the unit.
- Make sure all connectors are connected properly.
- Use only a source of AC power that complies with local building and electrical codes.
- Do not expose the unit to rain or moisture.
- Refer all service to a qualified technician.

Protection from burns and fire

- Provide a clearance of at least 50 mm around the unit.
- Do not install this product near a heat source.
- Do not install this product in a corrosive, flammable or explosive area.
- Do not modify this product, or install other than genuine parts.
- Do not operate this product if the ambient temperature exceeds 40 °C.
- Do not stare into the LED, this can cause damage to the eyes.

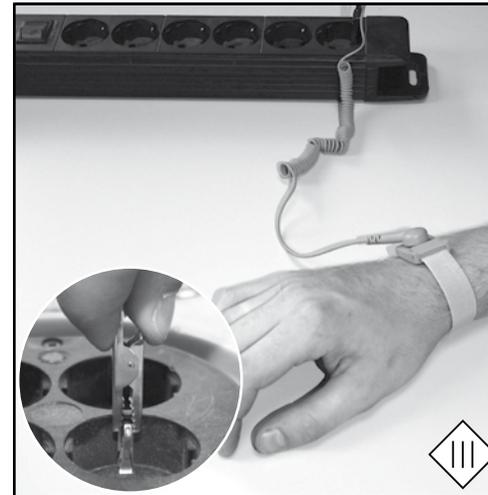
Protection from injury due to falls

- Verify that all covers and mounting hardware are securely fastened.
- Block the access below the work area whenever installing or removing the unit.



Covelight Superior

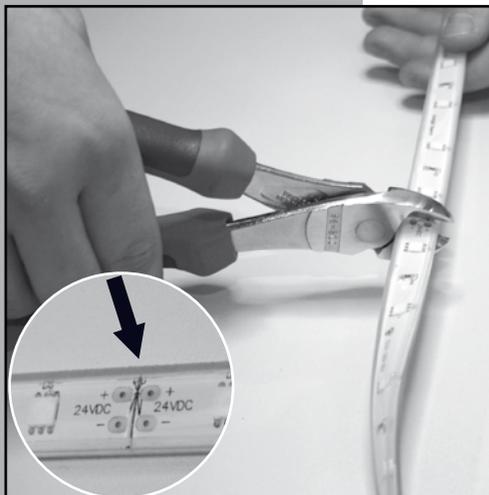
1



WARNING
Use the antistatic wristband at all times when preparing the Covelight Superior.

Antistatic wristband
Article number: 871609

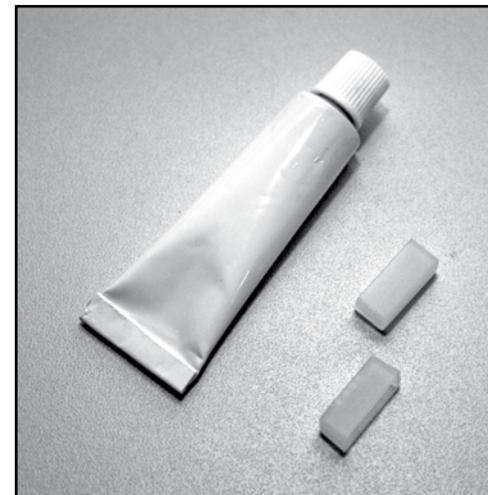
2



Cut the Covelight Superior to its correct length.

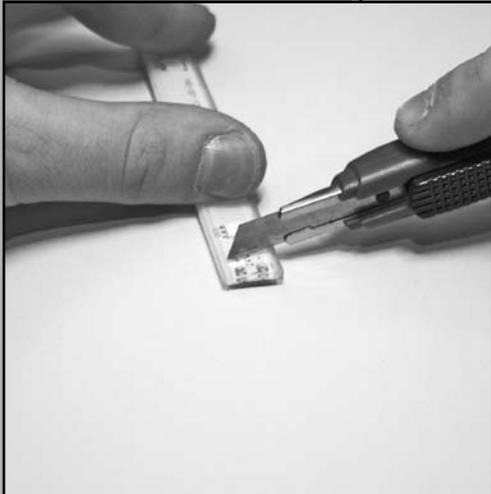
WARNING
Always cut the Covelight Superior on the cutting mark. The interval of the cutting mark is ± 20 cm.

3



Use the supplied connection kit to prepare the Covelight Superior.

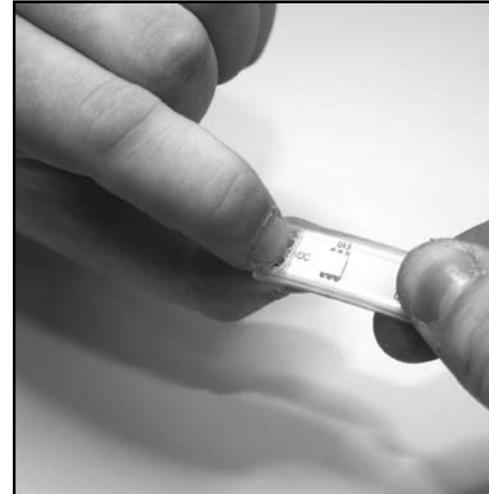
4



5

Use the cutter to make an incision in the shape of a rectangle at the cutting mark.

WARNING *Make sure you don't cut too deep, or else you will damage the internal wiring. Only cut in the silicone.*



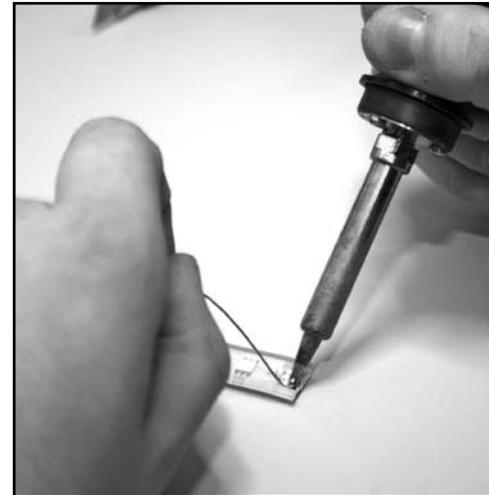
6

Peel the incision off the Covelight Superior.



7

Carefully scrape the silicone remains with the cutter off the internal wiring.



8

Use a soldering iron to tin the + and - connection of the Covelight Superior.

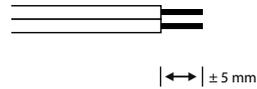
WARNING *Use a soldering iron of max. 80 Watt. Soldering temperature max. 350 °C Soldering for a max. time of 10 sec.*

CLS-LED Covelight Superior



Strip the wires to the correct length.

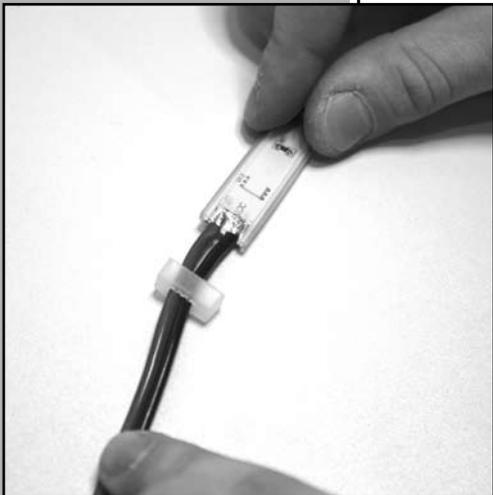
9



Use the soldering iron to tin the cable on the Covelight Superior, the red cable on the + connection and the black wire on the - connection. Please check + and - marks on the Covelight Superior.

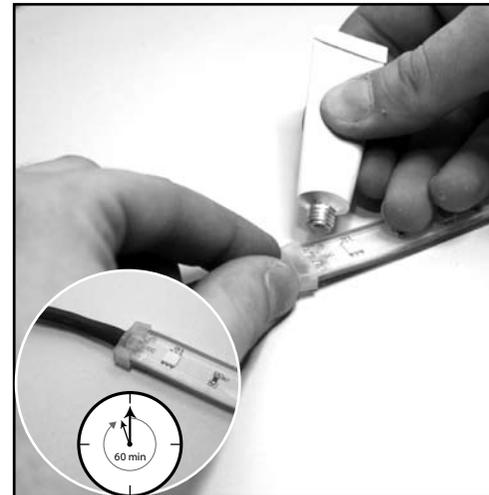
10

WARNING
*Use a soldering iron of max. 80 Watt.
 Soldering temperature max. 350 °C
 Soldering for a max. time of 10 sec.*



Slide the open endcap over the cable.

11



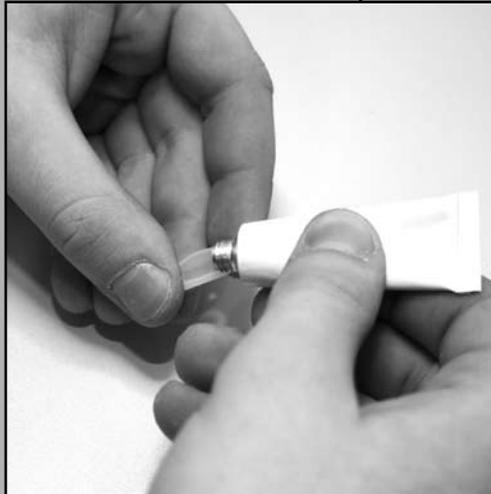
Apply enough glue on the Covelight Superior.

Then push the endcap over the Covelight Superior.

Make sure the endcap is fitted firmly to the Covelight Superior.

WARNING
The glue has to dry for 60 minutes. After 24 hours the glue has become solid.

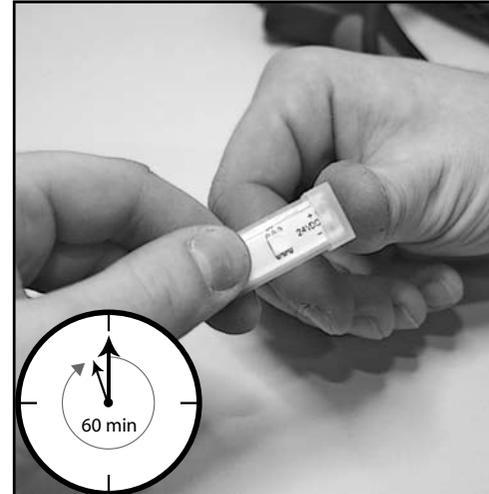
12



13

Meanwhile the other endcap can be mounted.

Apply enough glue to the inner sides of the endcap.



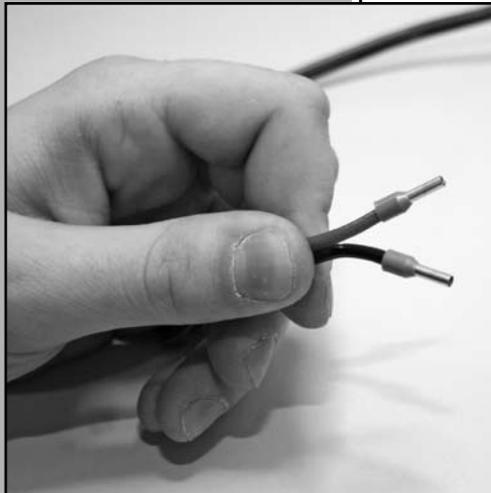
14

Push the endcap over the Covelight Superior.

WARNING

Make sure the endcap is fitted firmly to the Covelight Superior.

The glue has to dry for 60 minutes. After 24 hours the glue has become solid.



15

At the end of the cable, fit the crimp terminal over the stripped wires and fixate the crimp terminal with a suited crimp tool.



16

Connect the wires to the BT power supply. Connect the red wire to [V+] and the black wire to [V-]

For an overview of all suitable BT power supplies for the Covelight Superior; see Page 7 and 8.

For an overview with the LDV-45 LED driver, See page 9



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At the end of the power cable, fit the crimp terminal over the stripped wires and fixate the crimp terminal.

- Connect the power cable to the other side of the BT power supply.
- Connect yellow/green cable to
 - Connect blue cable to [N]
 - Connect brown cable to [L]



18

The completed Covelight Superior is now ready for use.

TECHNICAL SPECIFICATIONS

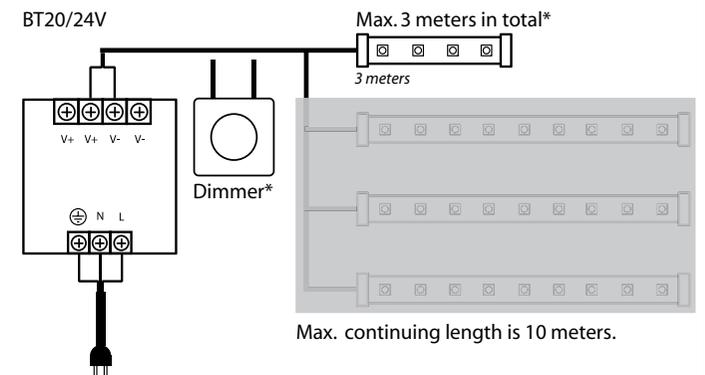
LEDs:	SMD
Colours:	Extra warm white 2500K / warm white 3000K
Input voltage:	24 VDC
Power consumption:	6 W/m
Housing:	Silicone gel
IP value:	IP44
Measurements:	14 x 4 (hwx)
Weight:	80 gr/m
Ambient temperature:	-10 °C till +40 °C

AMOUNT OF COVELIGHT

BT20/24V
230VAC/24DC
20VA
art. nr. 706995

Dimmer (optional)
Input 10V-30V
Output 12V or 24V
art. nr. 872012

Max. 3 meter of
Covelight Superior



* When using the dimmer, connect in series.
* Max. 3 meter (15 cutting lengths) on a BT20.24 LED power supply.

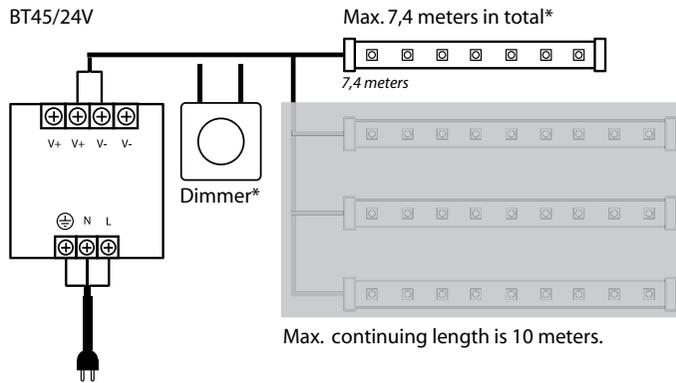


CLS-LED Covelight Superior

BT45/24V
230VAC/24DC
45VA
art. nr. 707011

Dimmer (optional)
Input 10V-30V
Output 12V or 24V
art. nr. 872012

Max. 7,4 meter of
Covelight Superior

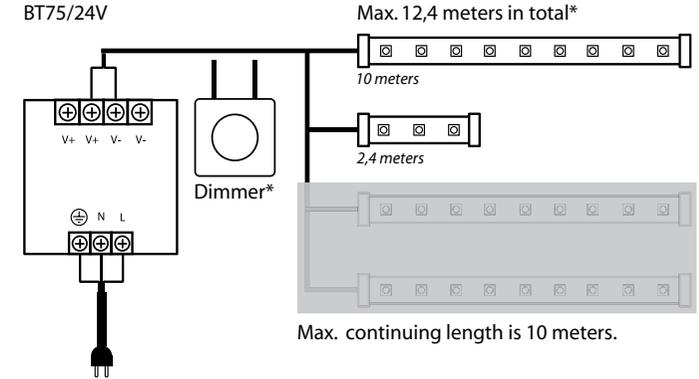


Max. 7,4 meters in total*
7,4 meters
Max. continuing length is 10 meters.
** When using the dimmer, connect in series.
* Max. 7,4 meter (37 cutting lengths) on a BT45.24 LED power supply.*

BT75/24V
230VAC/24DC
75VA
art. nr. 707012

Dimmer (optional)
Input 10V-30V
Output 12V or 24V
art. nr. 872012

Max. 12,4 meter of
Covelight Superior

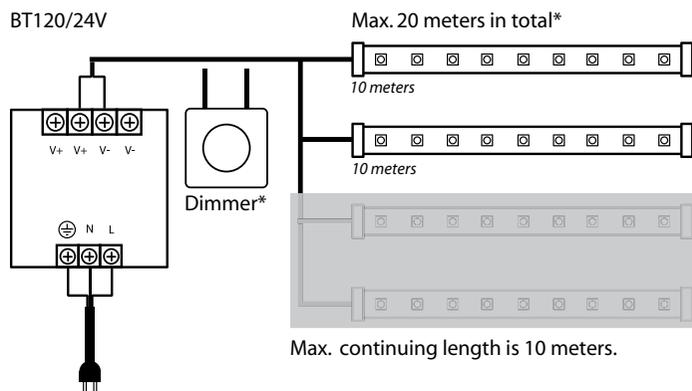


Max. 12,4 meters in total*
10 meters
2,4 meters
Max. continuing length is 10 meters.
** When using the dimmer, connect in series.
* Max. 12,4 meter (62 cutting lengths) on a BT75.24 LED power supply.*

BT120/24V
230VAC/24DC
120VA
art. nr. 707013

Dimmer (optional)
Input 10V-30V
Output 12V or 24V
art. nr. 872012

Max. 20 meter of
Covelight Superior

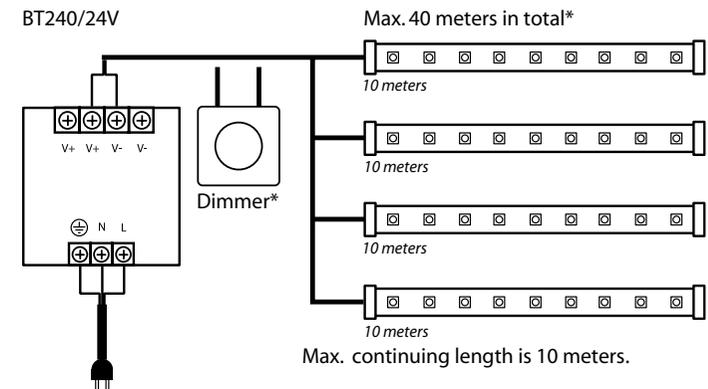


Max. 20 meters in total*
10 meters
10 meters
10 meters
Max. continuing length is 10 meters.
** When using the dimmer, connect in series.
* Max. 20 meter (100 cutting lengths) on a BT120.24 LED power supply.*

BT240/24V
230VAC/24DC
240VA
art. nr. 707014

Dimmer (optional)
Input 10V-30V
Output 12V or 24V
art. nr. 872012

Max. 40 meter of
Covelight Superior



Max. 40 meters in total*
10 meters
10 meters
10 meters
10 meters
Max. continuing length is 10 meters.
** When using the dimmer, connect in series.
* Max. 40 meter (200 cutting lengths) on a BT240.24 LED power supply.*

LDV-45
DMX LED dimmer
12-48V
art. nr. 707037

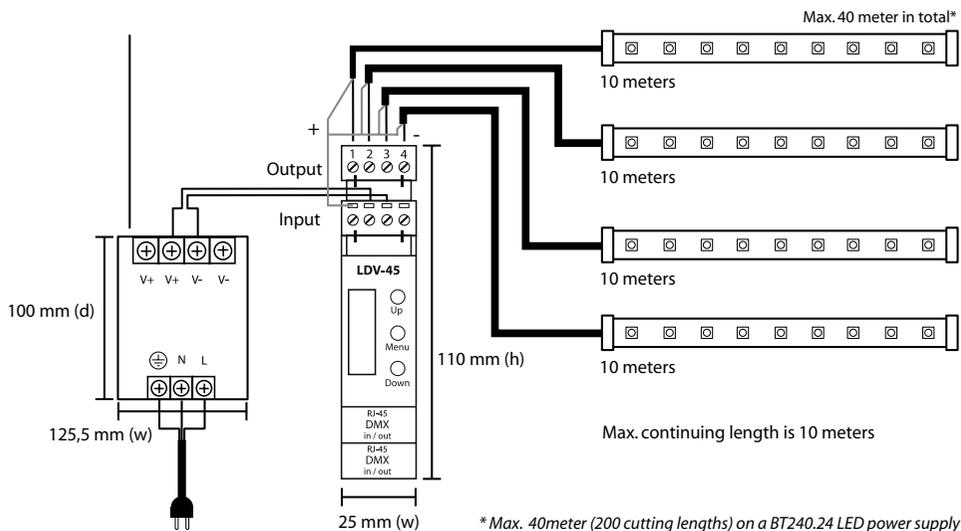
BT240/24V
230VAC/24DC
240VA
art. nr. 707014

Max. 40 meter of
Covelight Superior
in total

CLS BT240.24 LED power supply
24VDC 240VA 85-264VAC
707014

CLS LDV-45 DMX LED dimmer
4 channels 5Amp 12V-48V output
707037

CLS Covelight Superior 24 VDC



List of symbols

	Protection class One, two or three		Colour Available colours; Amber, blue, red or green
	Application area Indoor or outdoor		Colour temperature White in different Kelvin values also; Cold white, neutral white, warm white or extra warm white
	Application area Floor, wall or ceiling		Colour changing RGB, RGB-W, RGB-A or Dynamic White
	Swivel Fixture is horizontally rotatable, indicated in degrees		Curve Minimal bending curve in centimeters
	Swivel Fixture is vertically rotatable, indicated in degrees		Cutting length Indicated by the cutting marks
	Multiple connection Daisychain connectivity		LED pitch Pitch between the LEDs in millimeters
	Installation depth In centimeters		Power supply In VAC, VDC or milliAmpere
	Mounting hole In centimeters		Power consumption In VA or Watt
	Cable length Maximum cable attached to the fixture in centimeters		Dimmable 1. 1-10 Volt 2. Phase 3. Individual
	Driver Inclusive or exclusive		Housing Housing material
	Weight In grams/kilograms		DMX channels Numbers of DMX channels on a product
	Pressure Maximum pressure on the fixture in kg/cm ²		DMX input Fixture works on DMX512 protocol
	Lifespan Of the light source in hours		Combined product Compose your own fixture
	Lenses Available lenses, indicated in degrees		Warranty 3 years warranty on the product
	LEDs Kind of LED used in the fixture		Conformité Européenne CE marking for free marketability of industrial goods within the EU
	Plug & play Easy connection using the SmartConnect system		Energy label
	IP value Ingress Protection classifies the degree of protection provided against the intrusion of the product		

Notes

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