



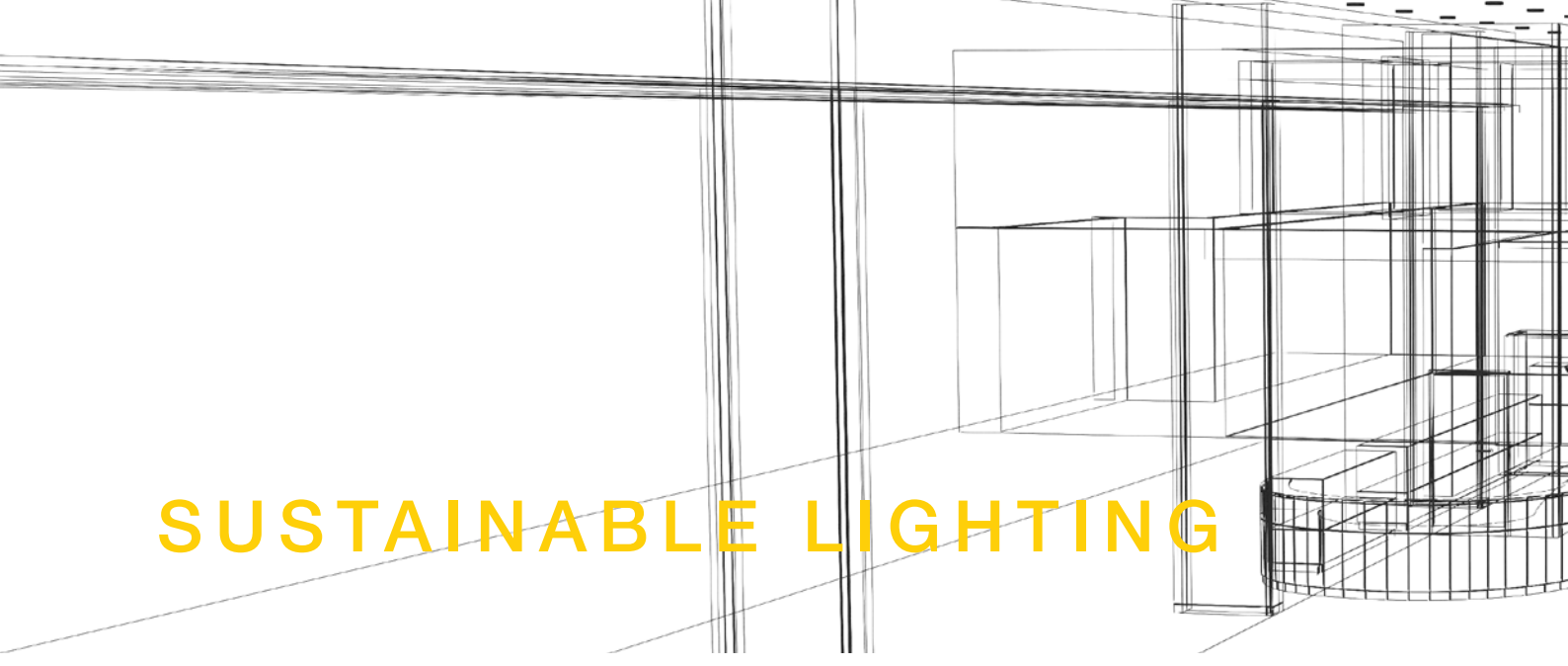
LIGHTING 2011



Malux

Securlite
D U R A B L E L I G H T





SUSTAINABLE LIGHTING

For the past 25 years, we have offered intelligent, long-life lighting solutions to problems encountered by lighting engineers, end-users and clients.

A longer service life

Through long-life sources, the use of noble materials and reinforced manufacturing methods.

A reduced maintenance

Through exceptional resistance to impacts and vandalism.

A controlled light

Through the selection of optics and diffusers for maximum efficiency and glare reduction.

More energy savings

By using LED sources and lighting management.

Securlite is an independent family-owned company, based in La Ferté-Bernard in Sarthe region (France).

The production site occupies almost 4000 m². The company uses a network of skills and local partners.

Our sales network is run by a group of sales representatives and distributors at your service. Internal technical support will help you make your choices and perform your lighting calculations.

Securlite fosters quality and innovation, so that today it exports lighting products to many European countries and new markets in Asia, such as India or China.

Securlite is a partner of the lighting calculation softwares RELUX® and OXYTECH®.



Designed and manufactured
in Europe.

RELUX®
Official Member

 **OxyTech**



1986 - 2011
25 years of innovation

A few important dates...

- 1986** FURTIF, the first vandal-resistant bulkhead with long life lamps (20,000 hours guaranteed).
- 1990** TAXCO, the first vandal-resistant emergency light fitting complying with French standards.
- 1994** BANG, colour arrives in social housing with thousands of combinations.
- 1995** SOFFITE, the made-to-measure extruded angle light fitting.
- 1998** SKY PILOTE, the first light fitting with built-in motion detection.
- 1999** CASEMATE, a revolutionary and universal impact protection for emergency lighting.
- 2002** METAL BANG, IK10+ / 80 joule resistance.
- 2003** New TITAN, the extreme vandal-resistant range for public areas and underpasses;
 and ÉCLAGE, a new architectural range.
- 2004** SENSOR BANG, a microwave motion detection integrated into a light fitting.
- 2005** ROC, a vandal-resistant and quartz-coated concrete bollard.
- 2008** LED BANG, the LED revolution in general lighting.
- 2009** VOILA, a new and very low consumption light fitting for social housing.
- 2010** New FILA, a tubular architectural light fitting made of stainless steel and polycarbonate.
- 2011** All our products are now available in LED, fluorescent and metal halide versions, including light
 management functions such as: dimming, switch-off warning or "Corridor" function.





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APPLICATIONS

Reduced maintenance,
Energy savings,
Resistance to vandalism...

Securlite lighting solutions are designed for buildings and public areas, both indoors and outdoors.



HOUSING

Social housing,
Student residences,
Retirement homes,
Schools,
Sports centres, etc.

TECHNICAL

Train stations and underground networks,
Public car parks,
Park areas,
Pedestrian underpasses,
Prison cells,
Court Houses,
Psychiatric hospitals, etc.

ENERGY SAVINGS

Securlite commitments

A Securlite light fitting is not like others: it is designed to last longer, illuminate better, provide comfort and safety.



▷ Eco-design

From the materials through to recycling, we design our products to limit their environmental impact throughout their lifecycle.



▷ PEP eco-passport

Securlite is a founder member of the "PEP eco-passport" association. The PEP (Product Environmental Profile) is used to measure a product's environmental footprint. PEP certificates for our products will soon be available for consultation on our website, www.securlite.com.



▷ Recycling

Securlite is a founder member of the French national recycling channel reserved for professional WEEE (Waste electrical and electronic equipment). For further information, visit www.recylum.com



▷ RoHS directive

Our products contain no dangerous substances, in compliance with the RoHS directive, 2002/95/CE.



▷ Reduced packaging

We prioritize the reduction of packaging, the use of recycled materials and internal recycling of used packaging materials as filler materials.

Leading edge technologies for a longer service life
and even greater energy savings.

► **LED,**

The revolution is on (> see page 10)

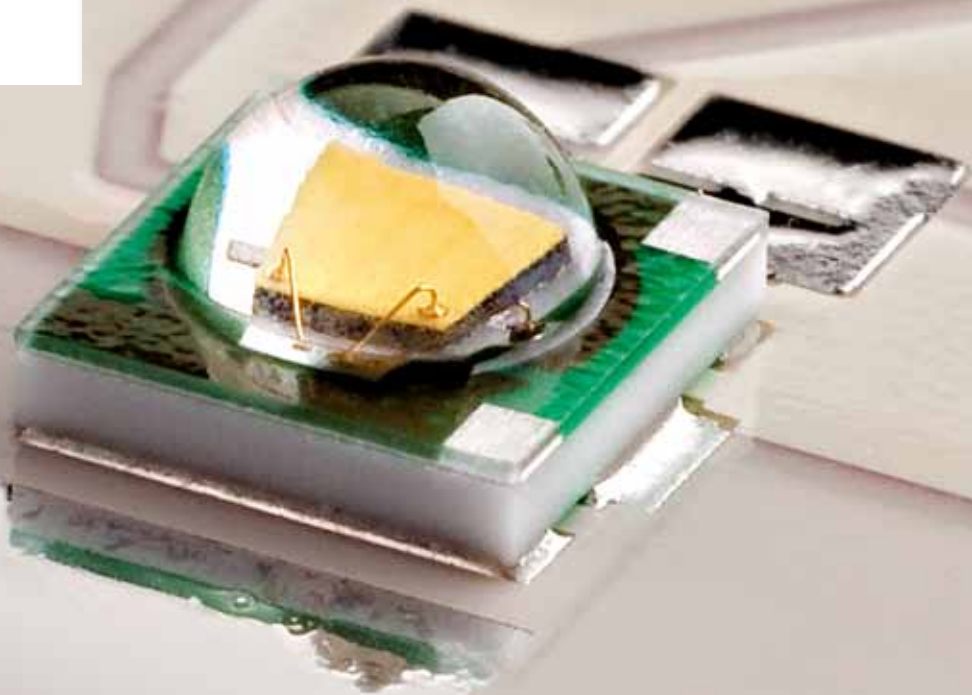
► **SENSOR,**

Securlite motion sensors: technology ahead of the pack! (> see page 16)

► **DIMMING,**

Manage your lighting! (> see page 20)

LED



LED, the revolution is on

Securlite is a pioneer in LED lighting applications and a number of its products use this technological breakthrough.

The advantages of LED lighting are:

- Instantaneous lighting
- Long service life
- Colour temperature reached immediately
- No UV or IR
- Dimmable
- Low consumption
- Compact size
- Reduced maintenance

LED are not lamps but electronic components, so always remember to compare!

Demand high-performance LED

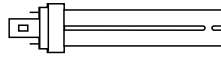
LED are classified according to luminous flux and colour temperature. Securlite uses LED with a minimum nominal luminous flux of 100 lumens and an average colorimetry of 3800 K.

Choose a suitable thermal architecture.

Our LED support board is specially designed to maintain the maximum performance levels of LED. Correct temperature control guarantees optimum performance levels and a long service life. Our supports are designed to be rapidly upgraded to higher performance levels.

LED / FLUORESCENCE. What do you compare?

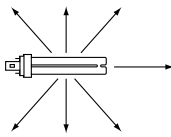
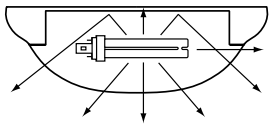
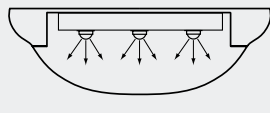
Average rated luminous flux



Compact Fluorescent Lamp (CFL)
65 lm / W



Securite LED
81 lm / W

Lamp	Lamp efficiency	Light fitting efficiency	Total efficiency
Compact fluorescent (CFL)	 65 lm / W	 60%	39 lm / W
Power-LED 3 800 K	 81 lm / W	 72%	58 lm / W

LED emit light in a given direction. The losses in the light fitting are limited to the losses of the diffuser.

Wattage

For LED, more power does not proportionally mean more light.
Over-powering an LED reduces its lighting efficiency.



350 mA → 100 lm
1,12 W 89 lm / W! (*)

700 mA → 176 lm
2,4 W 73 lm / W! (*)

(*) CREE data = junction temperature: 20 °C.



LED: “What solutions to choose?”

Choosing the right LED is not sufficient: we need to identify the best possible integration to ensure good heat dissipation, optimal luminous efficiency and a maximum service life.

It is for this reason we cooperate with the best laboratories and LED suppliers to develop modules specially designed for our luminaires, to replace the standard modules currently available on the market.

+ MORE COMFORT

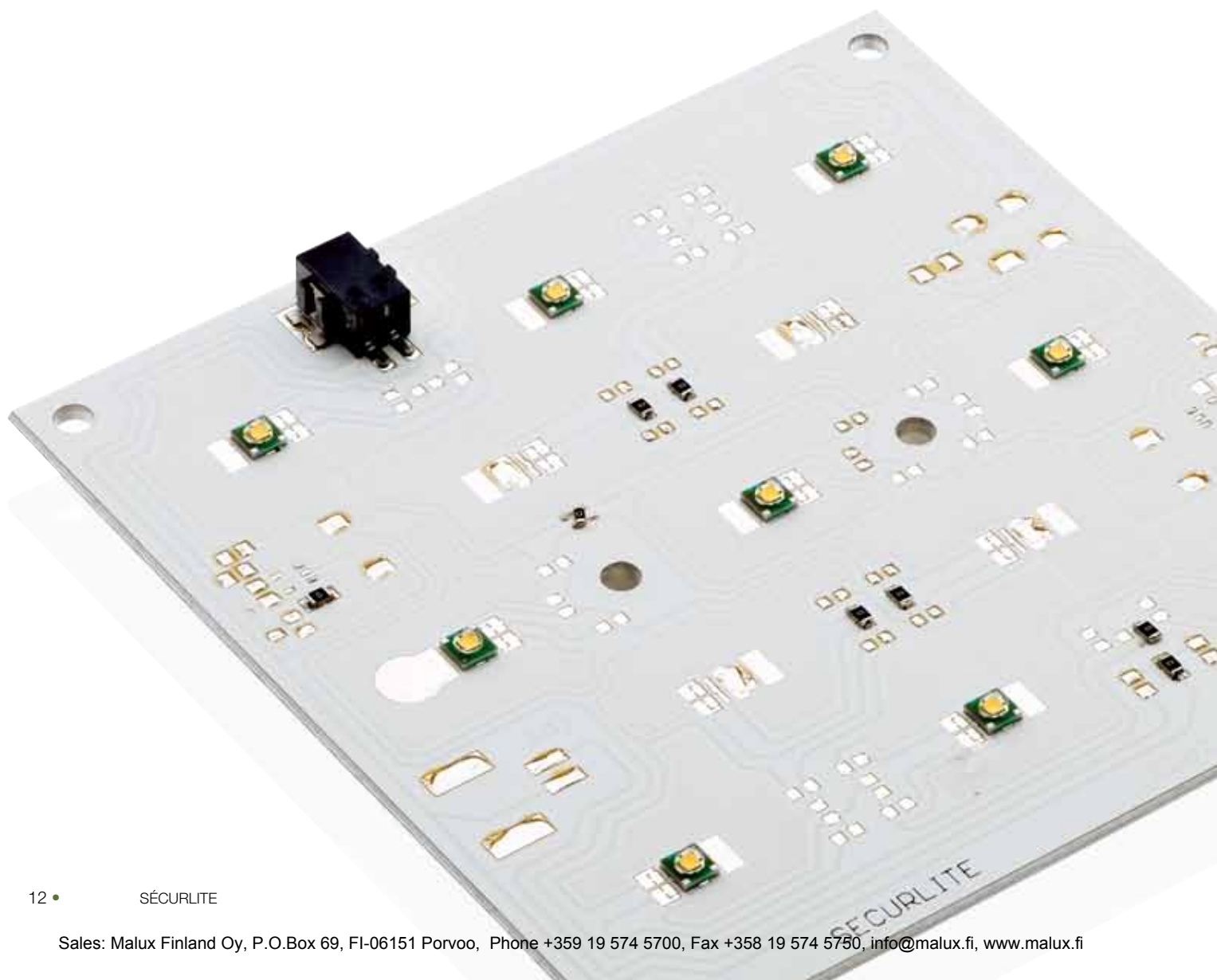
Glare is reduced, uniformity improved for greater comfort. The average colour is a slightly warm intermediate white (3800 K).

+ MORE LIGHT

The arrangement of LED lamps on the aluminium board, the use of unconfined LED, the judicious choice of suitable power supplies enables us to manage thermal parameters and improve luminaire performance.

+ LONGER SERVICE LIFE

LED are chosen for their suitable colour range and quality to improve colour perception rather than mixing LED with different colours or applying a colour filter.



DISCONNECTABLE

Module	Constant current	Constant voltage	Type	Module rated flux (lm)	Module. consump. (W)	Module efficiency (lm/W)	System efficiency (lm/W)	CRI (Ra)	Colour temperature (K)	Service life
8 LED	350 mA	-	Q4	725	8,65	84	65	> 80	3 800	50 000 h
	700 mA	-	Q4	1 250	18	69	55	> 80	3 800	50 000 h
9 LED	350 mA	-	Q4	810	10	81	63	> 80	3 800	50 000 h
6 LED	-	24 V DC	Q5	700	9,50	74	61	> 80	3 800	50 000 h
12 LED	-	24 V DC	Q4	1 274	17	75	64	> 80	3 800	50 000 h
13 LED	-	24 V DC	Q5	2 200	29	76	63	> 80	3 800	50 000 h
1 W Night light	350 mA	-	Q4	87	1,20	72	60	> 80	4 000	40 000 h
3 W Night light	350 mA	-	NS 9 ^(*)	204	3,30	61	55	> 80	4 000	40 000 h

(*) NICHIA

- Average service life L70 (30% depreciation).
- Average wattage measured using wattmeter.
- Values are indicated for information only and may vary at any time according to developments in the technology used.
- Values are given at $\pm 5\%$ for board operation at a temperature of 65 °C.
- The efficiency of modules varies according to the type of equipment they are fitted to. Please consult the luminaire photometric file.



LED: “What applications?”

Light fittings with motion detection and timer switches

The ideal lighting solution controlled by a motion detector or timer switch:

- Instant 100% light
- 50000 hours of service life
- Reduced maintenance
- Shorter lighting time cycles without risk for the source!

APPLICATIONS:

Housing, schools, sport clubs, hospitals, etc.

	 Standard fluorescence	 Securlite LED	Conclusion
Light-up time	Delay	Immediately	Immediate lighting reinforces the feeling of security
Rise in luminous flux	90 sec for 90% (time needed to walk 100 m!)	Immediately	The average lighting level required is available immediately
Minimum operating time due to the technology	15 min (service life based on 15 min off/90 min on cycle)	None	Electricity consumption is limited to what is strictly necessary

The savings generated for this type of application are enormous.

- Operating time of source: 7 times less energy.
- For fluorescence, the lighting calculation must be increased by 25% to providing the same lighting level over the first 90 seconds.
- It is no longer necessary to change the light source before its theoretical end of life.

Linear technical luminaires:

- Immediate cold-start lighting
- Exceptional service life of 50000 hours
- Operates under very low outdoor temperatures
- Resistant to vibrations or impacts due to vandalism
- Energy savings
- Highly reduced maintenance

APPLICATIONS:

Underpasses, public areas, public transport, etc.

Conclusion:

Securlite has tested its LED solutions on a great variety of applications.

The tests conducted in laboratories and on sites over the past three years enable us to propose reliable solutions that are validated by numerous prime end-users.

The performance levels of the products and of this specific technology will only increase over time.

Securlite:

**LED
is for today!**



Securlite relies on the qualifications and know-how of a leader in the LED market.

This partnership is consolidated by our collaboration with a specialised and independent laboratory that tests and inspects each application proposed.



Designed and manufactured
in Europe.

Given the constant evolution of LED technology,
the products delivered may have upgraded characteristics in relation to the catalogue.

SENSOR



Securite motion detectors: technology ahead of the pack!

In 1998, Securite launched a first light fitting "Sky Pilote" with a built-in sensor, then in 2004, the "Bang Sensor" with built-in microwave sensor.

An excellent solution to reduce power consumption:

- The light comes on only when someone is present.
- The detector triggers the light according to the ambient light level.
- The detector enables control of other light fittings

Two types of microwave detector are proposed:

- **Easy-Sensor®**, an accurate professional detector with pulse type settings, reliable and easy to implement.
- **Compact-Sensor®**, a tiny detector with settings by potentiometers, for classic decorative lighting.

Securite proposes the latest generation of microwave detectors: so easy to use that they are installed in no time at all!



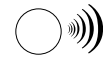
EASY-SENSOR®

The professional motion detector with pulse type settings.

3 decisive advantages

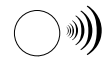
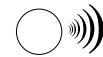
- Immediate activation without any adjustments, with memorisation of adjustments in case of power failure.
- Pulse type adjustments and LED indicator for easier and more accurate customisation.
- Single block sensor for better impact and vibration resistance.

Possible configurations



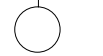
Sensor:

each "Sensor" light fitting is independent.



Sensor / slave:

a "Sensor" light fitting controls several other standard slave light fittings.



Sensor / sensor:

several "Sensor" light fittings are connected together, enabling a "chain" action in one room with several entrances and simultaneous operation of all units.

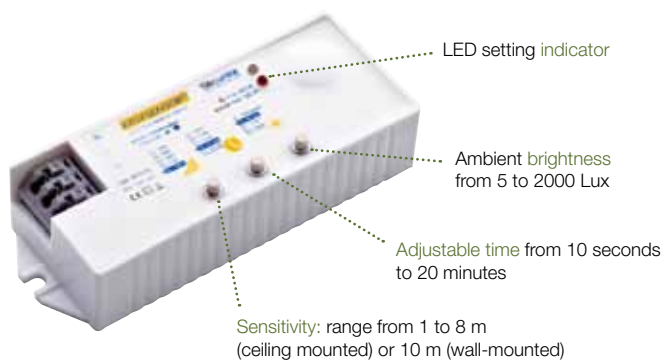


Slave light fittings can also be connected to the network.

Slave luminaires: the use of HF ballasts is recommended

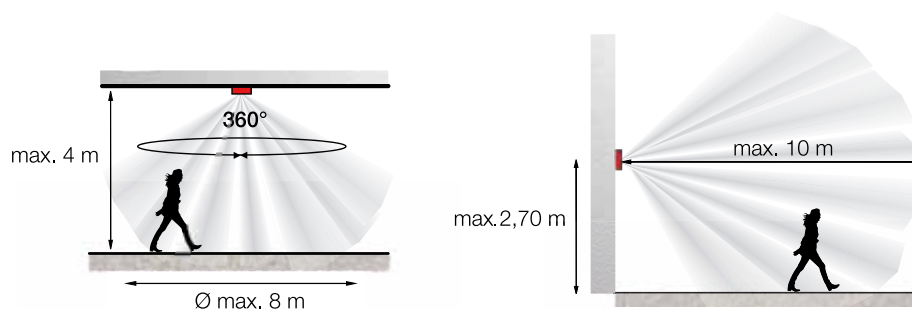
Easy adjustment

Selection by pre-programmed pulse settings



Range

Technical data: please refer to product pages.



COMPACT-SENSOR

The compact motion detector for classic decorative luminaires.

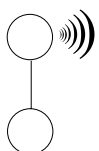
3 decisive advantages:

- Ultra-compact size
- Adjustment using potentiometers
- European manufacture

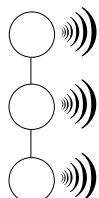
Possible configurations



Sensor:
each "Sensor" light fitting is independent.



Sensor / slave:
a "Sensor" light fitting controls several other standard slave light fittings.



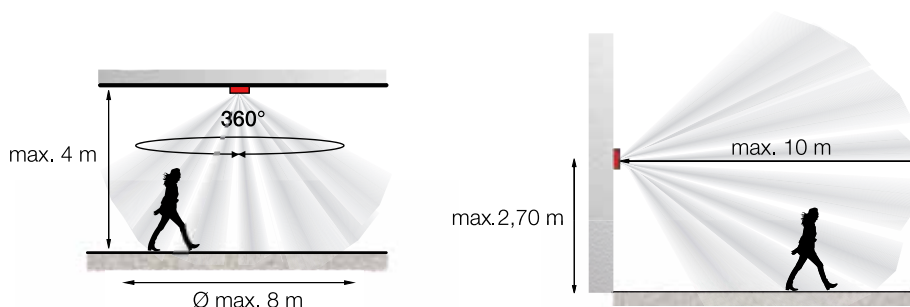
Sensor / sensor:
several "Sensor" light fittings are connected together, enabling a "chain" action in one room with several entrances and simultaneous operation of all units.
Slave light fittings can also be connected to the network.

Slave luminaires: the use of HF ballasts is recommended



Range

Technical data: please refer to product pages.



EASY-SENSOR® and COMPACT-SENSOR, more economical lighting

Four-storey building 15 fittings installed	 60W incandescent + detection	 18 W TC-DE (HF) + detection	 LED 9 x 1,2 W + detection	
Cost of investment + installation (excl. VAT)	2 184 €	2 670 €	3 570 €	
Annual cost of consumption + maintenance	913 €	441 €	17 €	
Total cost for 1 YEAR	2 817 €	2 776 €	3 587 €	
Total cost for 3 YEARS	4 643 €	3 668 €	3 621 €	Savings of up to 22%
Total cost for 6 YEARS	7 382 €	5 006 €	3 672 €	Up to 50% savings

EASY-SENSOR® and COMPACT-SENSOR, many possible applications:

- Detection + LED
- Detection + dimming
- Detection + CCTV
- Detection + night light, etc.



DIMMING



Manage your lighting!

Reduce the luminous flux when it is not needed, apply the right lighting level when needed: these are the best solutions for saving energy.

Securlite proposes many standard or custom solutions for better lighting management:

- DALI, DSI or SWITCH-DIM digital dimming
- Night light and extinction warning
- Balance with natural ambient light
- Customisation of dimming parameters

Dimming according to Securlite:

A managed approach to lighting in public areas or public buildings, to combine energy savings, visual comfort and greater security.



DALI-dimmable fluorescence Bang

Light dimming

The ballasts used for dimming on Securlite luminaires are digital ballasts (EEI = A1), using DALI and DSI protocols.

They also feature the SWITCH-DIM function which enables you to activate dimming with a standard momentary switch:

- A short press is used to turn the light on or off
- A long press initiates dimming
- Up to 25 light fittings per switch

On request, 1-10V analogue ballasts may be supplied instead of digital ballasts.

IMPORTANT

WHY AGE LAMPS?

It is essential to operate new fluorescent lamps at full output for 100 hours before commissioning lighting installations operated with dimmable controls (DALI, DSI, SWITCH-DIM, Corridor function, etc.).

Failure to age the lamps will lead to faults or incorrect operations, as well as a reduction in service life.

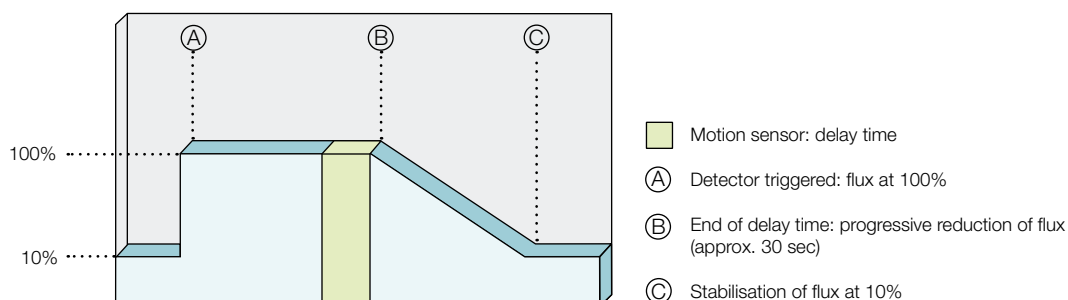
More savings!

Corridor function, extinction warning, ambient light

Corridor function

The Corridor function is used to make energy savings. It is specially designed for applications requiring permanent 24 hour lighting for safety reasons:

- Staircases and walkways in public buildings
- Car park access points
- Corridors in subway or train stations
- Pedestrian underpasses, etc.



Together with the Easy-Sensor® motion detector, the Corridor function is used to reduce the luminous flux (and thereby power consumption) when rooms or spaces are not occupied.

As soon as motion is detected, the luminous flux is immediately boosted to its maximum value.

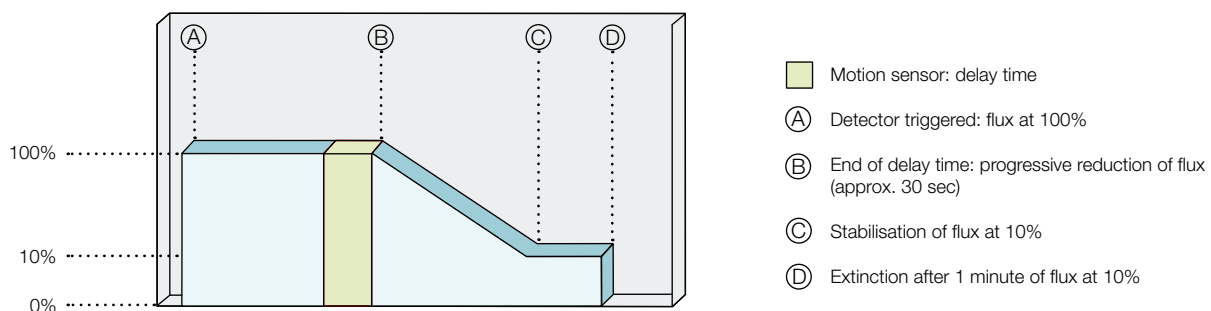
You no longer have to choose between having rooms lit or not!



Voila LED + 20% standby mode

The Corridor function can be custom-set in our factory and offer the following configurations, for example:

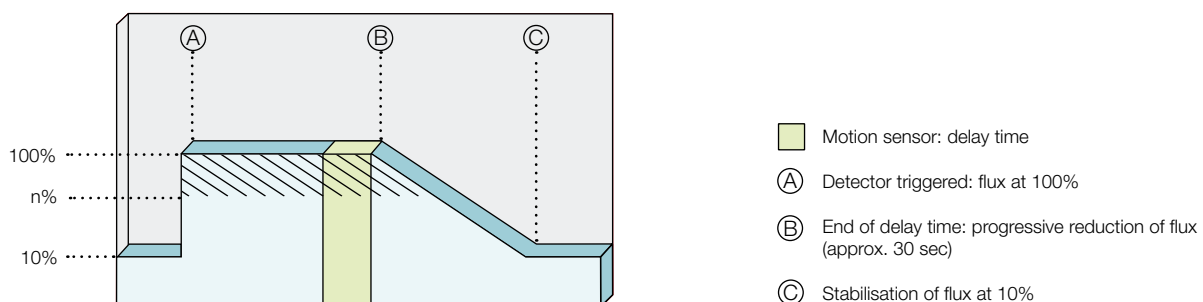
Extinction warning option



The extinction warning indicates the end of the timer switch delay time and strongly reduces power consumption in infrequently-occupied rooms.

Option on request: please contact us.

Daylight option



The daylight option requires the use of a natural lighting level sensor.

Depending on the detected level of natural light, the maximum level of artificial light will be adjusted to a level n% to reach the global defined level.

Option on request: please contact us.



H O U



S I N G

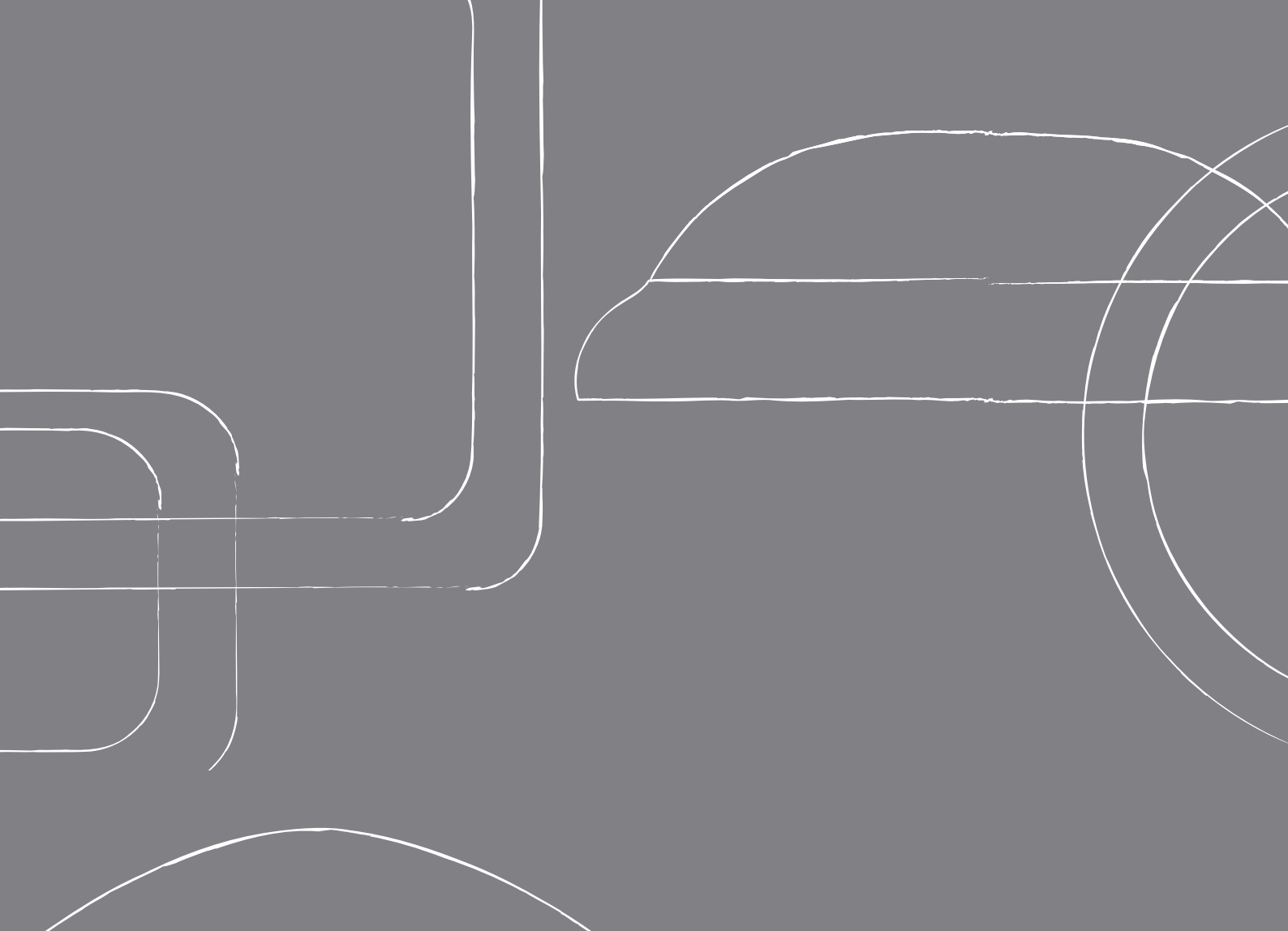
INDOOR:
WALL
AND CEILING-
MOUNT

INDOOR:
DOWNLIGHTS

INDOOR:
LINEARS

OUTDOOR:
WALL
AND CEILING-
MOUNT

OUTDOOR:
BOLLARDS
AND
POST-TOPS





INDOOR:

WALL AND
CEILING-MOUNT



VOILA



VOILA...

Very clearly, an elegant and highly resistant light fitting produced by an eco-design process:

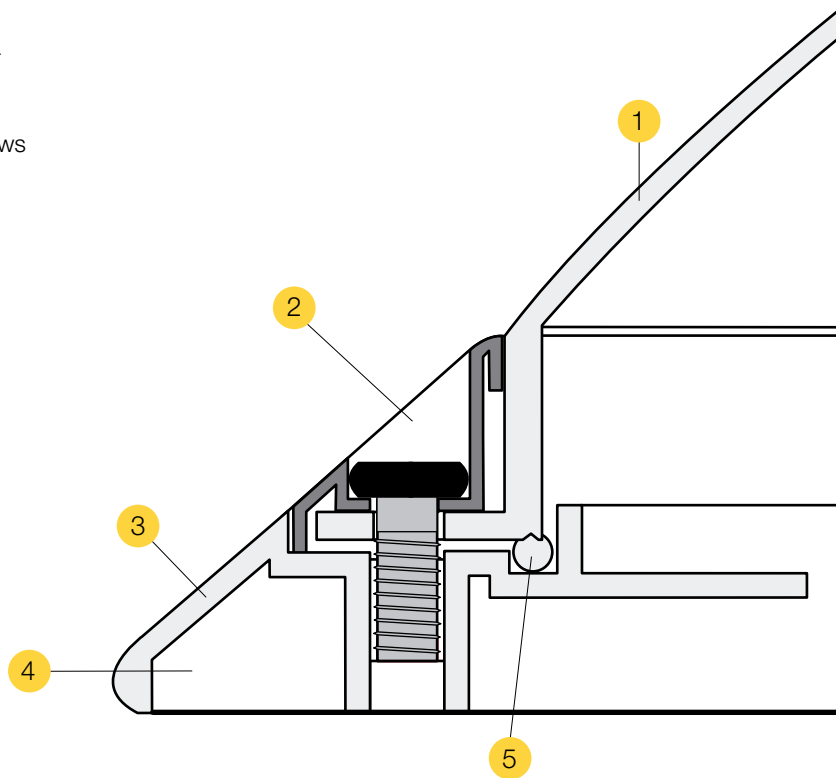
- Low consumption
- Low maintenance

The Voila light fitting is available in high power LED or electronic fluorescents versions, with or without dimming functions.

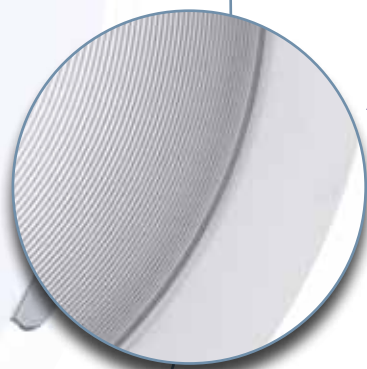
Design: XQHO **DESIGN** by Xavier Houy



- 1 Polycarbonate, opal or prismatic diffuser
- 2 Decorative screw caps and captive screws
- 3 Lever-resistant base
- 4 Side and rear cable entries
- 5 IP55 rated silicone gasket



Single colour,
or two-colour finish,



A softer,
and more functional light.



POWER-LED VOILA

POWER-LED VOILA



Specifications:

- Low energy architectural luminaire
- Single colour or two-colour polycarbonate base
- Opal polycarbonate diffuser
- Captive cross-head stainless steel screws
- Rear and side cable entries

- RAL9003
- RAL7040
- RAL9005

- Tamperproof screw option:
add -VAV to product code

LED: choice of wattage
Equivalences given for information only

		
9 x 1,2 W	100 W	18 W
12 x 1,5 W	120 W	26 W

Two-colour versions:



LED module:



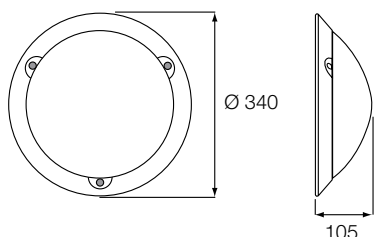
- 9 or 12 x 1.2 W or 1.5 W Power LED
- Mounted on aluminium heat dissipation plate
- Average colour temperature: 3800 K / IRC (Ra) > 80
- Constant LED power supply: 24 V DC (12 x LED) or 350 mA (9 x LED)
- Average service life 50000 hours at 25 °C ambient temperature
- Standby mode: luminous flux reduced to 20% in case of non-detection of occupation



Easy-Sensor® detection:

- 5.8 GHz microwave detector
- 360° detection range
- Sensitivity adjustable from 20 to 100%
- Daylight sensor: adjustable from 5 to 2000 Lux
- Adjustable timer: 10 seconds to 20 minutes
- Memorisation of settings in case of power failure
- Maximum load: 500 W (fluorescent and LED), 800 W (incandescent)
- Standby power: 0.9 W ± 10%
- Operating temperature range: - 20 °C to + 70 °C

POWER-LED VOILA



LED

220-240 V AC / 50-60 Hz RoHS

LAMP	Wattage						
9 LED x 1,2W	13W	LV13402	LV13402C	LV12402	LV12402D	LV11402	LV11402C
9 LED x 1,2W + Easy-Sensor® detection	14W	LV13502	LV13502C	LV12502	LV12502D	LV11502	LV11502C
12 LED x 1,5W(*)	20W	LV13422	LV13422C	LV12422	LV12422D	LV11422	LV11422C
12 LED x 1,5W + 20% standby mode (*)	20W	LV13622	LV13622C	LV12622	LV12622D	LV11622	LV11622C
12 LED x 1,5W + Easy-Sensor® detection	21W	LV13522	LV13522C	LV12522	LV12522D	LV11522	LV11522C
12 LED x 1,5W + Easy-Sensor® detection + 20% standby mode	21W	LV13722	LV13722C	LV12722	LV12722D	LV11722	LV11722C

(*) Can only be used on timer switch or circuit controlled by remote detector or other master luminaire.

24 V DC LED specially for solar panel systems or emergency systems

24 V DC RoHS

LAMP	Wattage						
12 LED x 1,5W 24V DC(*)	17W	LV13802	LV13802C	LV12802	LV12802D	LV11802	LV11802C

(*) Can only be used on timer switch or circuit controlled by remote detector or other master luminaire.

Tamperproof screw option: add -VAV to product code.

Tamperproof tool see pages 204-205.

POWER-LED VOILA





VOILA

For a softer light

VOILA



Specifications:

- Low energy architectural luminaire
- Optional separate circuit
- Single colour or two-colour polycarbonate base
- Opal polycarbonate diffuser
- Captive cross-head stainless steel screws
- Rear and side cable entries

⚙️ Tamperproof screw option:
add -VAV to product code

- RAL9003
- RAL7040
- RAL9005



Easy-Sensor® detection:

- 5.8 GHz microwave detector
- 360° detection range
- Sensitivity adjustable from 20 to 100%
- Daylight sensor: adjustable from 5 to 2000 Lux
- Adjustable timer: 10 seconds to 20 minutes
- Memorisation of settings in case of power failure
- Maximum load: 500 W (fluorescent and LED), 800 W (incandescent)
- Standby power: 0.9 W ± 10%
- Operating temperature range: - 20 °C to + 70 °C



Motion sensor operation may reduce the life time of fluorescent lamps.
Recommended operating time: 20 min (12 min minimum).

Two-colour versions:



- RAL9003
- RAL7040
- RAL9005
- RAL7040
- RAL7043
- RAL7040



1W LED night light module:

- 1W LED on aluminium heat dissipation plate
- Rated flux 87 lm
- Average colour temperature: 4000 K / IRC (Ra) > 80
- Constant current 350 mA
- Module power: 1.2 W



Corridor function:

By default, the Corridor function provides standby lighting by reducing the luminous flux to 10% of its rated value.

On request, we can also preset the fittings to operate with a switch-off warning signal, i.e. to reduce then stop the luminous flux.

Light fittings without built-in motion sensor:

The Corridor function can be activated by another master luminaire, a remote detector, a timer switch or a daylight sensor.



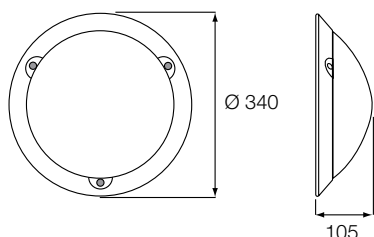
Dimmable fluorescence (EEI = A1):

Three types of controls are included in the same dimmable HF ballast: DALI, DSI, or SWITCH-DIM (momentary push-button switch operated).



HF ballast (EEI = A2):

- Warm cathode HF ballast
- Non dimmable



VOILA

220-240 V AC / 50-60 Hz



LAMP								
Max. 60W halo. 23 W CFL	E27	LV1301	LV1301C	LV1201	LV1201D	LV1101	LV1101C	
1 x 18W CFL + Osram Dulux Facility 2 500 K	E27	LV1302	LV1302C	LV1202	LV1202D	LV1102	LV1102C	
9W + 9W TC-SE HF Separate circuit	2G7	LV1303	LV1303C	LV1203	LV1203D	LV1103	LV1103C	
2 x 9W TC-SE HF ⁽²⁾	2G7	LV1304	LV1304C	LV1204	LV1204D	LV1104	LV1104C	
13W + 13W TC-DE HF ⁽²⁾ Separate circuit	G24q-1	LV1305	LV1305C	LV1205	LV1205D	LV1105	LV1105C	
1 x 18W TC-DE HF ⁽²⁾	G24q-2	LV1306	LV1306C	LV1206	LV1206D	LV1106	LV1106C	
1 x 18W TC-DE HF ⁽¹⁾⁽²⁾	G24q-2	LV1307	LV1307C	LV1207	LV1207D	LV1107	LV1107C	
1 x 26W TC-DE HF	G24q-3	LV1308	LV1308C	LV1208	LV1208D	LV1108	LV1108C	
1 x 26W TC-DE HF ⁽¹⁾	G24q-3	LV1309	LV1309C	LV1209	LV1209D	LV1109	LV1109C	

(1) cos phi > 0.95

(2) EEI = A3

VOILA + NIGHT LIGHT LED

220-240 V AC / 50-60 Hz



LAMP								
Max. 60W halo. 23W CFL + 1W LED	E27	LV1301-CLV	LV1301C-CLV	LV1201-CLV	LV1201D-CLV	LV1101-CLV	LV1101C-CLV	
1 x 18W CFL + Osram Dulux Facility 2 500 K + 1W LED	E27	LV1302-CLV	LV1302C-CLV	LV1202-CLV	LV1202D-CLV	LV1102-CLV	LV1102C-CLV	
1 x 18W TC-DE HF ⁽²⁾ + 1W LED	G24q2	LV1306-CLV	LV1306C-CLV	LV1206-CLV	LV1206D-CLV	LV1106-CLV	LV1106C-CLV	
1 x 18W TC-DE HF ⁽¹⁾⁽²⁾ + 1W LED	G24q2	LV1307-CLV	LV1307C-CLV	LV1207-CLV	LV1207D-CLV	LV1107-CLV	LV1107C-CLV	
1 x 26W TC-DE HF ⁽¹⁾ + 1W LED	G24q3	LV1309-CLV	LV1309C-CLV	LV1209-CLV	LV1209D-CLV	LV1109-CLV	LV1109C-CLV	

(1) cos phi > 0.95

(2) EEI = A3

VOILA DALI DIMMABLE + CORRIDOR FUNCTION⁽³⁾

220-240 V AC / 50-60 Hz



LAMP								
1 x 18W TC-DE HF DALI	G24q-2	LV1307-BHD	LV1307C-BHD	LV1207-BHD	LV1207D-BHD	LV1107-BHD	LV1107C-BHD	
1 x 26W TC-DE HF DALI	G24q-3	LV1309-BHD	LV1309C-BHD	LV1209-BHD	LV1209D-BHD	LV1109-BHD	LV1109C-BHD	

(3) Requires external control (remote motion sensor or other master luminaire, etc.) to activate the Corridor function.

Tamperproof screw option: add -VAV to product code.

Tamperproof tool see pages 204-205.

VOILA + EASY-SENSOR® DETECTION

VOILA + EASY-SENSOR® DETECTION

220-240 V AC / 50-60 Hz   RoHS

LAMP								
 Max. 60W halo. 23W CFL Easy-Sensor®	E27	LV1321	LV1321C	LV1221	LV1221D	LV1121	LV1121C	
 1 x 18W CFL Easy-Sensor® + Osram Dulux Facility 2 500 K	E27	LV1322	LV1322C	LV1222	LV1222D	LV1122	LV1122C	
 1 x 18W TC-DE HF (2) Easy-Sensor®	G24q-2	LV1326	LV1326C	LV1226	LV1226D	LV1126	LV1126C	
 1 x 18W TC-DE HF (1)(2) Easy-Sensor®	G24q-2	LV1327	LV1327C	LV1227	LV1227D	LV1127	LV1127C	
 1 x 26W TC-DE HF (1) Easy-Sensor®	G24q-3	LV1329	LV1329C	LV1229	LV1229D	LV1129	LV1129C	

(1) cos phi > 0.95

(2) EEI = A3

VOILA + EASY-SENSOR® DETECTION and NIGHT LIGHT LED

220-240 V AC / 50-60 Hz   RoHS

LAMP								
 Max. 60W halo. 23W CFL + Easy-Sensor® detection + 1W LED	E27	LV1321-CLV	LV1321C-CLV	LV1221-CLV	LV1221D-CLV	LV1121-CLV	LV1121C-CLV	
 1 x 18W CFL + Easy-Sensor® + Osram Dulux Facility 2 500 K + 1W LED	E27	LV1322-CLV	LV1322C-CLV	LV1222-CLV	LV1222D-CLV	LV1122-CLV	LV1122C-CLV	
 1 x 26W TC-DE HF (1) + Easy-Sensor® detection + 1W LED	G24q-3	LV1329-CLV	LV1329C-CLV	LV1229-CLV	LV1229D-CLV	LV1129-CLV	LV1129C-CLV	

(1) cos phi > 0.95

VOILA + EASY-SENSOR® DETECTION and CORRIDOR FUNCTION

220-240 V AC / 50-60 Hz   RoHS

LAMP								
 1 x 18W TC-DE HF + Easy-Sensor® detection	G24q-2	LV1327-BHD	LV1327C-BHD	LV1227-BHD	LV1227D-BHD	LV1127-BHD	LV1127C-BHD	
 1 x 26W TC-DE HF + Easy-Sensor® detection	G24q-3	LV1329-BHD	LV1329C-BHD	LV1229-BHD	LV1229D-BHD	LV1129-BHD	LV1129C-BHD	

Tamperproof screw option: add -VAV to product code.

 Tamperproof tool see pages 204-205.





VOILA START

For a functional light

VOILA START



Specifications:

- Low energy luminaire
- Single-colour polycarbonate base
- Clear polycarbonate prismatic diffuser
- Captive cross-head stainless steel screws
- Rear and side cable entries

○ RAL9003

● RAL7040

● RAL9005

⊙ Tamperproof screw option:
add -VAV to product code



Compact-Sensor motion detector:

- 5.8 GHz 360° microwave sensor
- Adjustment using potentiometers:
 - Sensitivity 3 to 10 m
 - Daylight sensor 2 to 2000 lux
 - Timer 8 seconds to 20 minutes
- Maximum load: 200 W (fluorescent and LED), 400 W (incandescent)
- Standby power: 0.9 W ± 10%



Motion sensor operation may reduce the life time of fluorescent lamps.
Recommended operating time: 20 min (12 min minimum).



1W LED night light module:

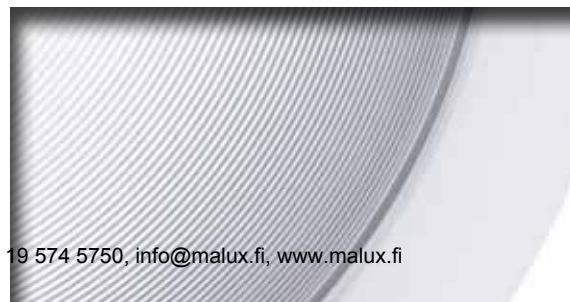
- 1W LED on aluminium heat dissipation plate
- Rated flux 87 lm
- Average colour temperature: 4000 K / IRC (Ra) > 80
- Constant current 350 mA
- Module power: 1.2 W



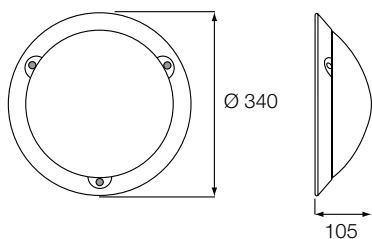
HF ballast (EEI = A2):

- Warm cathode HF ballast
- Non dimmable

Prismatic diffuser of Voila Start



VOILA START



VOILA START

220-240 V AC / 50-60 Hz RoHS

LAMP					
	1 x 60 W halo. 23 W CFL	E27	LV2301	LV2201	LV2101
	1 x 18 W CFL + Osram Dulux Facility 2 500 K	E27	LV2302	LV2202	LV2102
	2 x 9 W TC-SE HF ⁽²⁾	2G7	LV2304	LV2204	LV2104
	1 x 18 W TC-DE HF ⁽²⁾	G24q-2	LV2306	LV2206	LV2106
	1 x 26 W TC-DE HF	G24q-3	LV2308	LV2208	LV2108
	1 x 26 W TC-DE HF ⁽¹⁾	G24q-3	LV2309	LV2209	LV2109

(1) cos phi > 0.95

(2) EEI = A3

VOILA START + NIGHT LIGHT LED

220-240 V AC / 50-60 Hz RoHS

LAMP					
	1 x 60 W halo. 23 W CFL + 1 W LED	E27	LV2301-CLV	LV2201-CLV	LV2101-CLV
	1 x 18 W CFL + 1W LED + Osram Dulux Facility 2 500 K	E27	LV2302-CLV	LV2202-CLV	LV2102-CLV
	1 x 18 W TC-DE HF ⁽²⁾ + 1 W LED	G24q-2	LV2306-CLV	LV2206-CLV	LV2106-CLV
	1 x 26 W TC-DE HF ⁽¹⁾ + 1 W LED	G24q-3	LV2309-CLV	LV2209-CLV	LV2109-CLV

(1) cos phi > 0.95

(2) EEI = A3

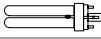
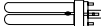
Tamperproof screw option: add -VAV to product code.

Tamperproof tool see pages 204-205.

VOILA START + DETECTION

VOILA START + MOTION SENSOR

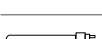
220-240 V AC / 50-60 Hz    RoHS

LAMP					
	1 x 60 W halo. 23 W CFL + Compact-Sensor	E27	LV2331	LV2231	LV2131
	1 x 18 W CFL + Compact Sensor + Osram Dulux Facility 2 500 K	E27	LV2332	LV2232	LV2132
	1 x 18 W TC-DE HF ⁽²⁾ + Compact-Sensor	G24q-2	LV2336	LV2236	LV2136
	1 x 26 W TC-DE HF ⁽¹⁾ + Compact-Sensor	G24q-3	LV2339	LV2239	LV2139

(1) cos phi > 0.95
(2) EEI = A3

VOILA START + MOTION SENSOR and NIGHT LIGHT LED

220-240 V AC / 50-60 Hz    RoHS

LAMP					
	1 x 60 W halo. 23 W CFL + Compact-Sensor + 1 W LED	E27	LV2331-CLV	LV2231-CLV	LV2131-CLV
	1 x 18 W CFL + Compact-Sensor + Osram Dulux Facility 2 500 K + 1 W LED	E27	LV2332-CLV	LV2232-CLV	LV2132-CLV
	1 x 26 W TC-DE HF ⁽¹⁾ + Compact-Sensor + 1 W LED	G24q-3	LV2339-CLV	LV2239-CLV	LV2139-CLV

(1) cos phi > 0.95

Tamperproof screw option: add -VAV to product code.

 Tamperproof tool see pages 204-205.



BANG



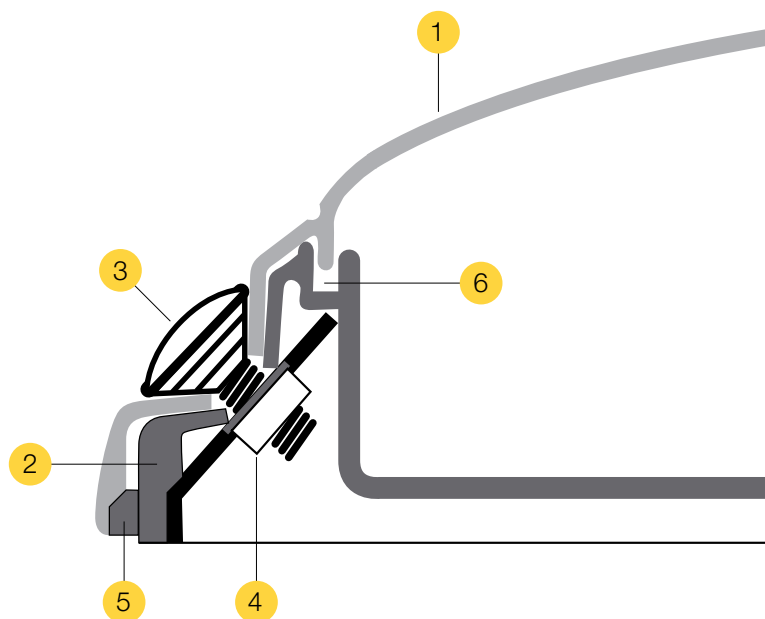
IK10+ / 50 JOULES

Bang is an architectural light fitting for social housing and public areas: schools, sports clubs, hotels, etc.

Its exceptional impact resistance (up to 50 joules) makes it a decorative and different light fitting, perfectly adapted to environments exposed to vandalism.



- 1 Anti-reflective polycarbonate diffuser
- 2 Coloured based protected by the diffuser
- 3 Tamperproof screws and large decorative washers
- 4 Removable counter-nut (easy maintenance)
- 5 Lever-resistant base
- 6 IP55 rated silicone gasket



More resistance

- IK10+ / 50 joules.
- Double enclosure
- Tamperproof screws



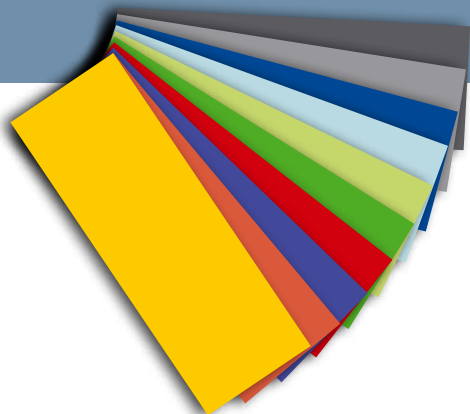
More savings

- LED light sources
- Built-in microwave motion detection
- High power factor HF ballasts

More colours

- Four standard colours
- Special and RAL colours on request

"À LA CARTE" COLOUR



Choose a colour from the standard Bang range or select a colour of your choice from the hundreds in the RAL colour scheme!

The patented full coverage of the Bang mechanism by its satin diffuser means we can apply a colour coating on the base and protect it by reclosing the unit. (*)

(*) The opal diffuser is not compatible with coloured bases.



N.B.: RAL colours are considered as an approximate value. As the colour of the base is seen through the diffuser, the final rendering may be slightly different from the exact RAL colour chosen.



More softness

Colours seen through transparent diffusers, satin, slightly pearled.



More flexibility

An original industrial process tailor-made for producing small quantities of custom products with short lead times!



Greater resistance

Colours protected from weather and vandalism, so they last much longer!



For more information,
contact our customer service





POWER-LED BANG

POWER-LED BANG



Specifications:

- Low energy and vandal-resistant light fitting
- Reinforced polyamide base.
- Opal polycarbonate diffuser
- Tamperproof stainless steel screws
- Decorative polycarbonate washers

Options: (please
contact us)

Cross-head screws

LED: choice of wattage
Equivalences given for information only

		
9 x 1,2 W	100 W	18 W
12 x 1,5 W	120 W	26 W



LED module:

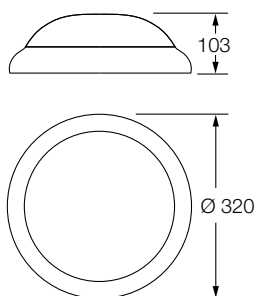
- 9 or 12 x 1.2 W or 1.5 W Power LED
- Mounted on aluminium heat dissipation plate
- Average colour temperature: 3800 K / IRC (Ra) > 80
- Constant LED power supply: 24 V DC (12 x LED)
or 350 mA (9 x LED)
- Average service life 50000 hours at 25 °C ambient temperature
- Standby mode: luminous flux reduced to 20% in case
of non-detection of occupation



Easy-Sensor® detection:

- 5.8 GHz microwave detector
- 360° detection range
- Sensitivity adjustable from 20 to 100%
- Daylight sensor: adjustable from 5 to 2000 Lux
- Adjustable timer: 10 seconds to 20 minutes
- Memorisation of settings in case of power failure
- Maximum load: 500 W (fluorescent and LED), 800 W (incandescent)
- Standby power: 0.9 W ± 10%
- Operating temperature range: - 20 °C to + 70 °C

POWER-LED BANG



LED

220-240 V AC / 50 Hz RoHS

LAMP	Wattage	Opal
9 LED x 1,2 W	13 W	LB23402
9 LED x 1,2 W + Easy-Sensor® detection	14 W	LB23502
12 LED x 1,5 W ^(*)	20 W	LB23422
12 LED x 1,5 W + 20% standby mode ^(*)	20 W	LB23622
12 LED x 1,5 W + Easy-Sensor® detection	21 W	LB23522
12 LED x 1,5 W + Easy-Sensor® detection + 20% standby mode ^(*)	21 W	LB23722

^(*) Can only be used on a timer switch or a circuit controlled by a remote detector or other master luminaire.

24 V DC LED specially for solar panel systems or emergency systems

24 V DC RoHS

LAMP	Wattage	Opal
12 LED x 1,5 W 24 V DC ^(*)	17 W	LB23802

^(*) Can only be used on a timer switch or a circuit controlled by a remote detector or other master luminaire.

Tamperproof tool see pages 204-205.

POWER-LED BANG





BANG

BANG



Specifications:

- Vandal-resistant architectural light fitting
- Reinforced polyamide base.
- Grained opal or clear polycarbonate diffuser
- Tamperproof stainless steel screws
- Decorative polycarbonate washers

- RAL9003
- RAL9006
- RAL9005

Other
colours
on
request

Options:
(please contact us)

Cross-head screws



Easy-Sensor® detection:

- 5.8 GHz microwave detector
- 360° detection range
- Sensitivity adjustable from 20 to 100%
- Daylight sensor: adjustable from 5 to 2000 Lux
- Adjustable timer: 10 seconds to 20 minutes
- Memorisation of settings in case of power failure
- Maximum load: 500 W (fluorescent and LED), 800 W (incandescent)
- Standby power: 0.9 W ± 10%
- Operating temperature range: - 20 °C to + 70 °C



Motion sensor operation may reduce the life time of fluorescent lamps.
Recommended operating time: 20 min (12 min minimum).



1W LED night light module:

- 1W LED on aluminium heat dissipation plate
- Rated flux 87 lm
- Average colour temperature: 4000 K / IRC (Ra) > 80
- Constant current 350 mA
- Module power: 1.2 W



Corridor function:

By default, the Corridor function provides standby lighting by reducing the luminous flux to 10% of its rated value.

On request, we can also preset the fittings to operate with a switch-off warning signal, i.e. to reduce then stop the luminous flux.

Light fittings without built-in motion sensor:

The Corridor function can be activated by another master luminaire, a remote detector, a timer switch or a daylight sensor.



Dimmable fluorescence (EEI = A1):

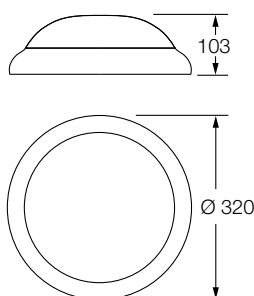
Three types of controls are included in the same dimmable HF ballast: DALI, DSI, or SWITCH-DIM (momentary push-button switch operated).



HF ballast (EEI = A2):

- Warm cathode HF ballast
- Non dimmable

BANG



BANG

220-240 V AC / 50 Hz RoHS

LAMP						Opal
	Max. 60 W halo. 23 W CFL	E27	LB1301	LB1201	LB1101	LB2301
	1 x 18 W CFL + Osram Dulux Facility 2 500 K	E27	LB1302	LB1202	LB1102	LB2302
	9 W + 9 W TC-SE HF separate circuit	2G7	LB1303	LB1203	LB1103	LB2303
	2 x 9 W TC-SE HF ⁽²⁾	2G7	LB1304	LB1204	LB1104	LB2304
	13 + 13 W TC-DE HF ⁽²⁾ separate circuit	G24q-1	LB1305	LB1205	LB1105	LB2305
	1 x 18 W TC-DE HF ⁽²⁾	G24q-2	LB1306	LB1206	LB1106	LB2306
	1 x 18 W TC-DE HF ⁽¹⁾⁽²⁾	G24q-2	LB1307	LB1207	LB1107	LB2307
	1 x 26 W TC-DE HF	G24q-3	LB1308	LB1208	LB1108	LB2308
	1 x 26 W TC-DE HF ⁽¹⁾	G24q-3	LB1309	LB1209	LB1109	LB2309

(1) cos phi > 0.95

(2) EEI = A3

BANG + NIGHT LIGHT LED

220-240 V AC / 50 Hz RoHS

LAMP						Opal
	Max. 60 W halo. 23 W CFL + 1 W LED	E27	LB1301-CLV	LB1201-CLV	LB1101-CLV	LB2301-CLV
	1 x 18 W CFL + Osram Dulux Facility 2 500 K + 1 W LED	E27	LB1302-CLV	LB1202-CLV	LB1102-CLV	LB2302-CLV
	1 x 18 W TC-DE HF ⁽²⁾ + 1 W LED	G24q-2	LB1306-CLV	LB1206-CLV	LB1106-CLV	LB2306-CLV
	1 x 18 W TC-DE HF ⁽¹⁾⁽²⁾ + 1 W LED	G24q-2	LB1307-CLV	LB1207-CLV	LB1107-CLV	LB2307-CLV
	1 x 26 W TC-DE HF ⁽¹⁾ + 1 W LED	G24q-3	LB1309-CLV	LB1209-CLV	LB1109-CLV	LB2309-CLV

(1) cos phi > 0.95

(2) EEI = A3

BANG DALI DIMMABLE + CORRIDOR FUNCTION ⁽³⁾

220-240 V AC / 50 Hz RoHS

LAMP						Opal
	1 x 18 W TC-DE HF DALI	G24q-2	LB1307-BHD	LB1207-BHD	LB1107-BHD	LB2307-BHD
	1 x 26 W TC-DE HF DALI	G24q-3	LB1309-BHD	LB1209-BHD	LB1109-BHD	LB2309-BHD

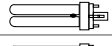
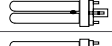
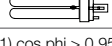
(3) Requires external control (remote motion sensor or other master luminaire, etc.) to activate the Corridor function.

Tamperproof tool see pages 204-205.

BANG + EASY-SENSOR®

BANG + EASY-SENSOR® DETECTION

220-240 V AC / 50 Hz   RoHS

LAMP					Opal
 Max. 60 W halo. 23 W CFL Easy-Sensor®	E27	LB1321	LB1221	LB1121	LB2321
 1 x 18W CFL Easy-Sensor® + Osram Dulux Facility 2 500 K	E27	LB1322	LB1222	LB1122	LB2322
 1 x 18 W TC-DE HF ⁽²⁾ + Easy-Sensor®	G24q-2	LB1326	LB1226	LB1126	LB2326
 1 x 18 W TC-DE HF ⁽¹⁾⁽²⁾ + Easy-Sensor®	G24q-2	LB1327	LB1227	LB1127	LB2327
 1 x 26 W TC-DE HF ⁽¹⁾ + Easy-Sensor®	G24q-3	LB1329	LB1229	LB1129	LB2329

(1) cos phi > 0.95
(2) EEI = A3

BANG + EASY-SENSOR® DETECTION and NIGHT LIGHT LED

220-240 V AC / 50 Hz   RoHS

LAMP					Opal
 Max. 60 W halo. 23 W CFL Easy-Sensor® + 1 W LED	E27	LB1321-CLV	LB1221-CLV	LB1121-CLV	LB2321-CLV
 1 x 18 W CFL Easy-Sensor® + Osram Dulux Facility 2 500°K + 1 W LED	E27	LB1322-CLV	LB1222-CLV	LB1122-CLV	LB2322-CLV
 1 x 26 W TC-DE HF ⁽¹⁾ + Easy-Sensor® detection + 1W LED	G24q-3	LB1329-CLV	LB1229-CLV	LB1129-CLV	LB2329-CLV

(1) cos phi > 0.95

BANG + EASY-SENSOR® DETECTION and CORRIDOR FUNCTION

220-240 V AC / 50 Hz   RoHS

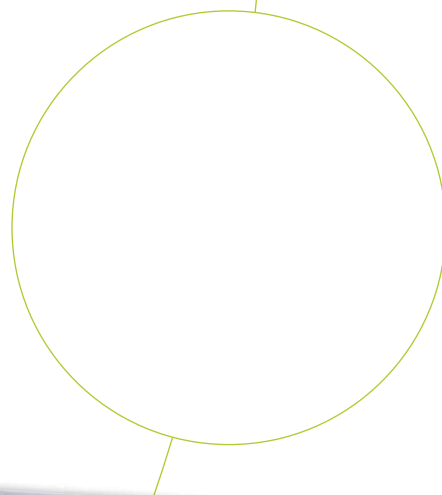
LAMP					Opal
 1 x 18 W TC-DE HF + Easy-Sensor® detection	G24q-2	LB1327-BHD	LB1227-BHD	LB1127-BHD	LB2327-BHD
 1 x 26 W TC-DE HF + Easy-Sensor® detection	G24q-3	LB1329-BHD	LB1229-BHD	LB1129-BHD	LB2329-BHD

 Tamperproof tool see pages 204-205.



SÉCURLITE

• 53



SQUARE BANG

SQUARE BANG



Specifications:

- Vandal-resistant architectural light fitting
- Reinforced polyamide base.
- Grained polycarbonate prismatic diffuser
- Tamperproof stainless steel screws
- Decorative polycarbonate washers

	RAL9003		Other
	RAL9006		colours
	RAL9005		on
			request

Options:
(please contact us)

Cross-head screws



Easy-Sensor® detection:

- 5.8 GHz microwave detector
- 360° detection range
- Sensitivity adjustable from 20 to 100%
- Daylight sensor: adjustable from 5 to 2000 Lux
- Adjustable timer: 10 seconds to 20 minutes
- Memorisation of settings in case of power failure
- Maximum load: 500 W (fluorescent and LED), 800 W (incandescent)
- Standby power: 0.9 W $\pm$ 10%
- Operating temperature range: - 20 °C to + 70 °C



Motion sensor operation may reduce the life time of fluorescent lamps.
Recommended operating time: 20 min (12 min minimum).



1W LED night light module:

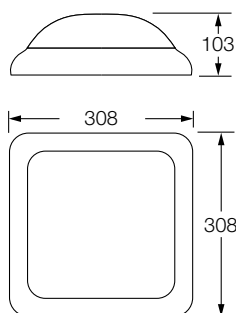
- 1W LED on aluminium heat dissipation plate
- Rated flux 87 lm
- Average colour temperature: 4000 K / IRC (Ra) > 80
- Constant current 350 mA
- Module power: 1.2 W



HF ballast (EEI = A2):

- Warm cathode HF ballast
- Non dimmable

SQUARE BANG



BANG

220-240 V AC / 50 Hz RoHS

LAMP						
	Max. 60 W halo. 23 W CFL	E27		LB3301	LB3201	LB3101
	1 x 18 W CFL + Osram Dulux Facility 2 500 K	E27		LB3302	LB3202	LB3102
	9 W + 9 W TC-SE HF separate circuit	2G7		LB3303	LB3203	LB3103
	2 x 9 W TC-SE HF ⁽²⁾	2G7		LB3304	LB3204	LB3104
	13 W + 13 W TC-DE HF ⁽²⁾ separate circuit	G24q-1		LB3305	LB3205	LB3105
	1 x 18 W TC-DE HF ⁽²⁾	G24q-2		LB3306	LB3206	LB3106
	1 x 18 W TC-DE HF ⁽¹⁾⁽²⁾	G24q-2		LB3307	LB3207	LB3107
	1 x 26 W TC-DE HF	G24q-3		LB3308	LB3208	LB3108
	1 x 26 W TC-DE HF ⁽¹⁾	G24q-3		LB3309	LB3209	LB3109
	1 x 28 W TC-DDE HF	Gr10q		LB3313	LB3213	LB3113

(1) cos phi > 0.95

(2) EEI = A3

BANG + EASY-SENSOR® DETECTION

220-240 V AC / 50 Hz RoHS

LAMP						
	Max. 60 W halo. 23 W CFL + Easy-Sensor®	E27		LB3321	LB3221	LB3121
	1 x 18 W CFL Easy-Sensor® + Osram Dulux Facility 2 500 K	E27		LB3322	LB3222	LB3122
	1 x 18 W TC-DE HF ⁽²⁾ + Easy-Sensor®	G24q-2		LB3326	LB3226	LB3126
	1 x 26 W TC-DE HF ⁽¹⁾ + Easy-Sensor®	G24q-3		LB3329	LB3229	LB3129

(1) cos phi > 0.95

(2) EEI = A3

BANG + NIGHT LIGHT LED

220-240 V AC / 50 Hz RoHS

LAMP						
	1 x 18 W TC-DE HF ⁽¹⁾ + 1 W LED	G24q-2		LB3307-CLV	LB3207-CLV	LB3107-CLV
	1 x 26 W TC-DE HF ⁽¹⁾ + 1 W LED	G24q-3		LB3309-CLV	LB3209-CLV	LB3109-CLV

(1) cos phi > 0.95

Tamperproof tool see pages 204-205.

SQUARE BANG





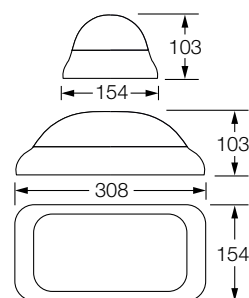
RECTANGULAR BANG

RECTANGULAR BANG



Specifications:

- Vandal-resistant architectural luminaire
- Reinforced polyamide base.
- Grained polycarbonate prismatic diffuser
- Tamperproof stainless steel screws
- Decorative polycarbonate washers



Options:
(please contact us)

Cross-head screws

220-240 V AC / 50 Hz RoHS

	LAMP					
	Max. 1 x 15 W CFL	E27		LB5301	LB5201	LB5101
	1 x 9 W TC-SE HF ⁽¹⁾	2G7		LB5303	LB5203	LB5103
	1 x 18 W TC-DE HF ⁽²⁾	G24q-2		LB5306	LB5206	LB5106

(1) EEI = A2
(2) EEI = A3

Tamperproof tool see pages 204-205.

PERFORMANCE RONDO

More light!

The Performance Rondo is a new architectural light fitting that offers exceptional performance.

Plenty of innovative solutions concentrated in just one luminaire:

- Power LED
- Light dimming
- Motion detection
- Switch-off warning option
- Standby lighting

The Rondo Performance is available in 2200 lumen LED technology or HF fluorescence up to 42W.



PERFORMANCE RONDO



Specifications:

- Decorative light fitting resistant to 80 joules
- Die-cast marine grade aluminium
- Colour: white
- HF ballast $\cos \phi > 0.95$
- High-efficiency clear textured polycarbonate diffuser
- Tamperproof stainless steel screws
- Removable gear-tray (fluorescence only)

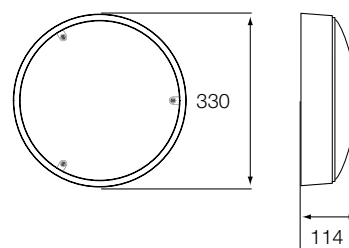
○ RAL9003

Options:
(please contact us)

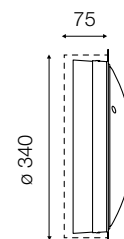
Standard socket head screws
Separate circuit
Daylight sensor (preset to 70 lux)

LED: choice of wattage
Equivalences given for information only

		
13 x 2,4 W	2 x 100 W	42 W



Recess mounting option:
add suffix "-LSE" to the product code.



Recess dimensions: $\varnothing$ 340 mm x 75 mm

PERFORMANCE RONDO



2200 lumen LED module:

- 13 x 2.4 W LED module
- Mounted on aluminium heat dissipation plate
- Average colour temperature: 3800 K / IRC (Ra) > 80
- LED power supply: constant voltage 24 V DC
- Average service life 50000 hours at 25 °C ambient temperature
- Module power: 29 W
- Standby mode: luminous flux reduced to 20% in case of non-detection of occupation



1W LED night light module for fluorescent light fittings:

- 1W LED on aluminium heat dissipation plate
- Rated flux 87 lm
- Average colour temperature: 4000 K / IRC (Ra) > 80
- Constant current 350 mA
- Module power: 1.2 W



Easy-Sensor® detection:

- 5.8 GHz microwave detector
- 360° detection range
- Sensitivity adjustable from 20 to 100%
- Daylight sensor: adjustable from 5 to 2000 Lux
- Adjustable timer: 10 seconds to 20 minutes
- Memorisation of settings in case of power failure
- Maximum load: 500 W (fluorescent and LED), 800 W (incandescent)
- Standby power: 0.9 W $\pm$ 10%
- Operating temperature range: - 20 °C to + 70 °C



Motion sensor operation may reduce the life time of fluorescent lamps.
Recommended operating time: 20 min (12 min minimum).



Corridor function:

By default, the Corridor function provides standby lighting by reducing the luminous flux to 10% of its rated value.
On request, we can also preset the fittings to operate with a switch-off warning signal, i.e. to reduce then stop the luminous flux.

Light fittings without built-in motion sensor:
The Corridor function can be activated by another master luminaire, a remote detector, a timer switch or a daylight sensor.



Dimmable fluorescence (EEI = A1):

Three types of controls are included in the same dimmable HF ballast: DALI, DSI, or SWITCH-DIM (momentary push-button switch operated).



HF ballast (EEI = A2):

- Warm cathode HF ballast
- Non dimmable
- Power factor cos phi > 0.95



PERFORMANCE RONDO

LED

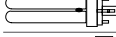
220-240 V AC / 50 Hz    RoHS

LAMP	Power	No standby	With 20% standby
 LED 13 x 2,4 W	35 W	LR4750	LR4751 ^(*)
 LED 13 x 2,4 W + Easy-Sensor [®] detection	36 W	LR4752	LR4753

^(*) Operates with remote sensor or other master luminaire.

HF FLUORESCENCE

220-240 V AC / 50-60 Hz    RoHS

LAMP		Non dimmable	Non dimmable + 1W night light LED	DALI dimmable + Corridor function ^(*)
 1 x 26 W TC-TE	GX24q-3	LR4700	LR4700-CLV	LR4700-BHD
 1 x 32 W TC-TE	GX24q-3	LR4702	LR4702-CLV	LR4702-BHD
 1 x 42 W TC-TE	GX24q-4	LR4704	LR4704-CLV	LR4704-BHD
 2 x 18 W TC-DE	G24q-2	LR4706	LR4706-CLV	LR4706-BHD
 2 x 18 W TC-L	2G11	LR4708	LR4708-CLV	LR4708-BHD

^(*) Requires external control (remote motion sensor or other master luminaire, etc.) to activate the Corridor function.

HF FLUORESCENCE + EASY-SENSOR[®] DETECTION

220-240 V AC / 50-60 Hz    RoHS

LAMP		Detection only	Detection + 1W night light LED	Detection + Corridor function
 1 x 26 W TC-TE + Easy-Sensor [®] detection	GX24q-3	LR4710	LR4710-CLV	LR4710-BHD
 1 x 32 W TC-TE + Easy-Sensor [®] detection	GX24q-3	LR4712	LR4712-CLV	LR4712-BHD
 1 x 42 W TC-TE + Easy-Sensor [®] detection	GX24q-4	LR4714	LR4714-CLV	LR4714-BHD
 2 x 18 W TC-DE + Easy-Sensor [®] detection	G24q-2	LR4716	LR4716-CLV	LR4716-BHD
 2 x 18 W TC-L + Easy-Sensor [®] detection	2G11	LR4718	LR4718-CLV	LR4718-BHD

 Tamperproof tool see pages 204-205.



RODEO

RODEO



Specifications:

- Compact vandal-resistant luminaire
- 1mm thick, zinc-coated steel with anticorrosion protection
- Polyester powder coating
- Braced opal polycarbonate diffuser
- Tamperproof stainless steel screws
- HF ballast EEL = A2 cos phi > 0.95

● RAL7016
Graphite grey

○ RAL9003
White

Options:
(please contact us)

Built-in microwave detection
Daylight sensor (preset to 70 lux)
Cross-head screws



LED module:

- 6 x 1.5 W LED module
- Mounted on aluminium heat dissipation plate
- Average colour temperature: 3800 K / IRC (Ra) > 80
- LED power supply: constant voltage 24 V DC
- Total module power: 9.50 W
- Average service life 50000 hours at 25 °C ambient temperature



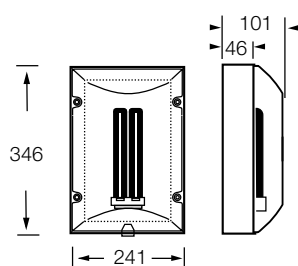
Easy-Sensor® detection:

- 5.8 GHz microwave detector
- 360° detection range
- Sensitivity adjustable from 20 to 100%
- Daylight sensor: adjustable from 5 to 2000 Lux
- Adjustable timer: 10 seconds to 20 minutes
- Memorisation of settings in case of power failure
- Maximum load: 500 W (fluorescent and LED), 800 W (incandescent)
- Standby power: 0.9 W ± 10%
- Operating temperature range: - 20 °C to + 70 °C



HF ballast (EEL = A2):

- Warm cathode HF ballast
- Non dimmable
- Power factor cos phi > 0.95



LED

220-240 V AC / 50-60 Hz RoHS

	LAMP	Wattage		
	2 x 6 LED 1,5 W	23 W	EP3142	EP3142-C03
	2 x 6 LED 1,5 W + Easy-Sensor® motion detection	24 W	EP3142-DPP	EP3142-C03-DPP

HF FLUORESCENCE

220-240 V AC / 50-60 Hz RoHS

	LAMP			
	1 x 18 W TC-L	2G11	EP3119-BHF	EP3119-BHF-C03
	1 x 24 W TC-F	2G10	EP3125-BHF	EP3125-BHF-C03
	1 x 36 W TC-F	2G10	EP3137-BHF	EP3137-BHF-C03

Tamperproof tool see pages 204-205.

Used for building entrances.





GARDIAN

Very low consumption
light fitting specially designed
for cellars
and technical rooms

GARDIAN



Specifications:

- Low consumption and weather resistant bulkhead
- Die-cast aluminium with anticorrosion treatment
- Grey polyester powder coating
- Opal prismatic polycarbonate diffuser
- Tamperproof stainless steel screws

● Metallic grey

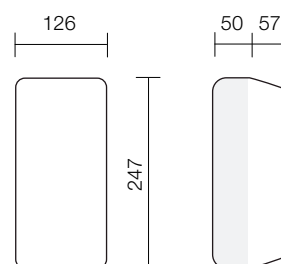
LED: choice of wattage
Equivalences given for information only



LED module:



- 8 x 1.2W power LED
- Mounted on aluminium heat dissipation plate
- Average colour temperature: 3800 K / IRC (Ra) > 80
- LED power supply: constant current 350 mA
- Average service life 50000 hours at 25 °C ambient temperature



Compact-Sensor motion detector:



- 5.8 GHz 360° microwave sensor
- Adjustment (potentiometers):
 - Sensitivity 3 to 10 m
 - Daylight sensor 2 to 2000 lux
 - Timer 8 seconds to 20 minutes
- Maximum load: 200 W (fluorescent and LED), 400 W (incandescent)
- Standby power: 0.9 W ± 10%

LED

220-240 V AC / 50-60 Hz RoHS

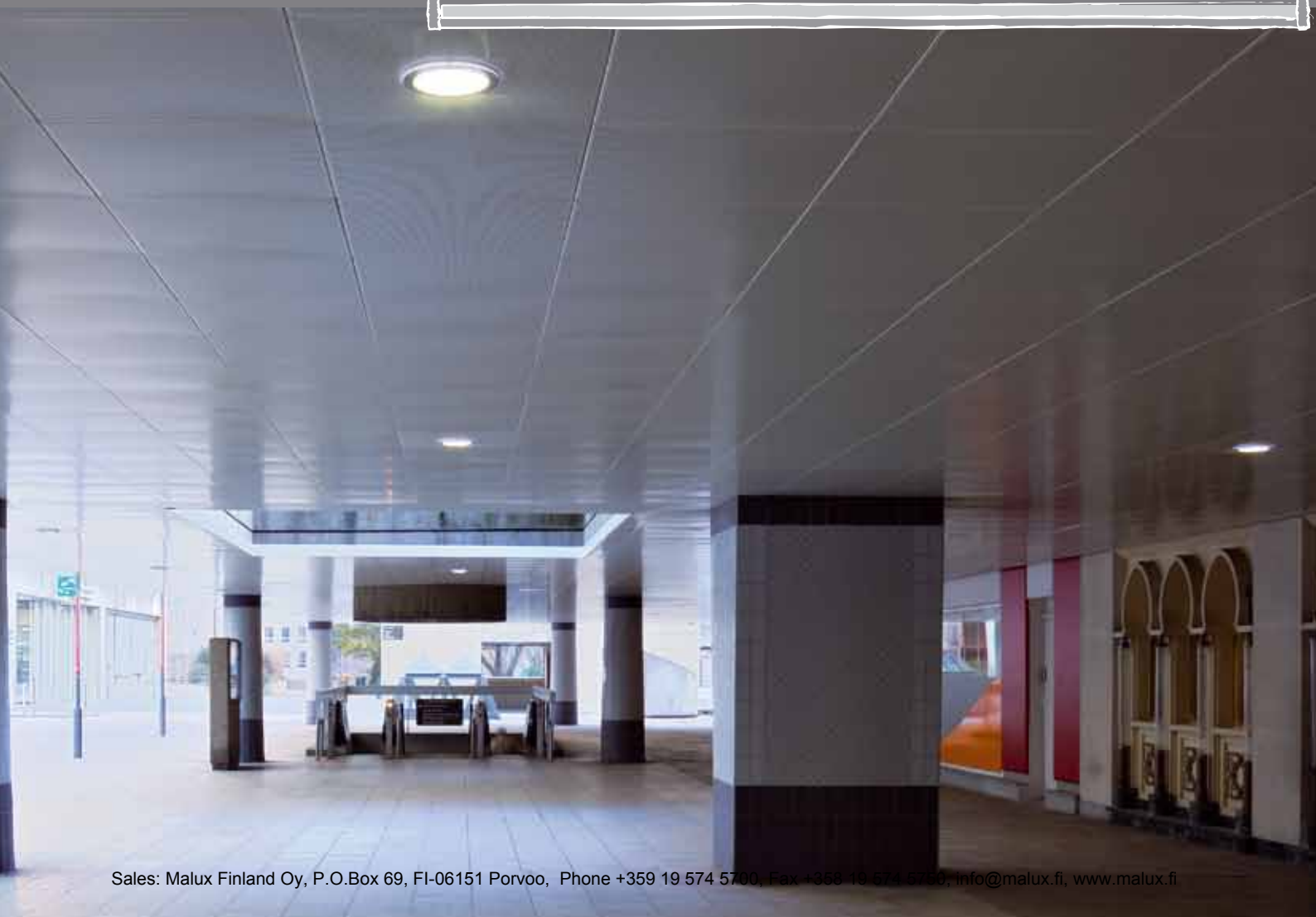
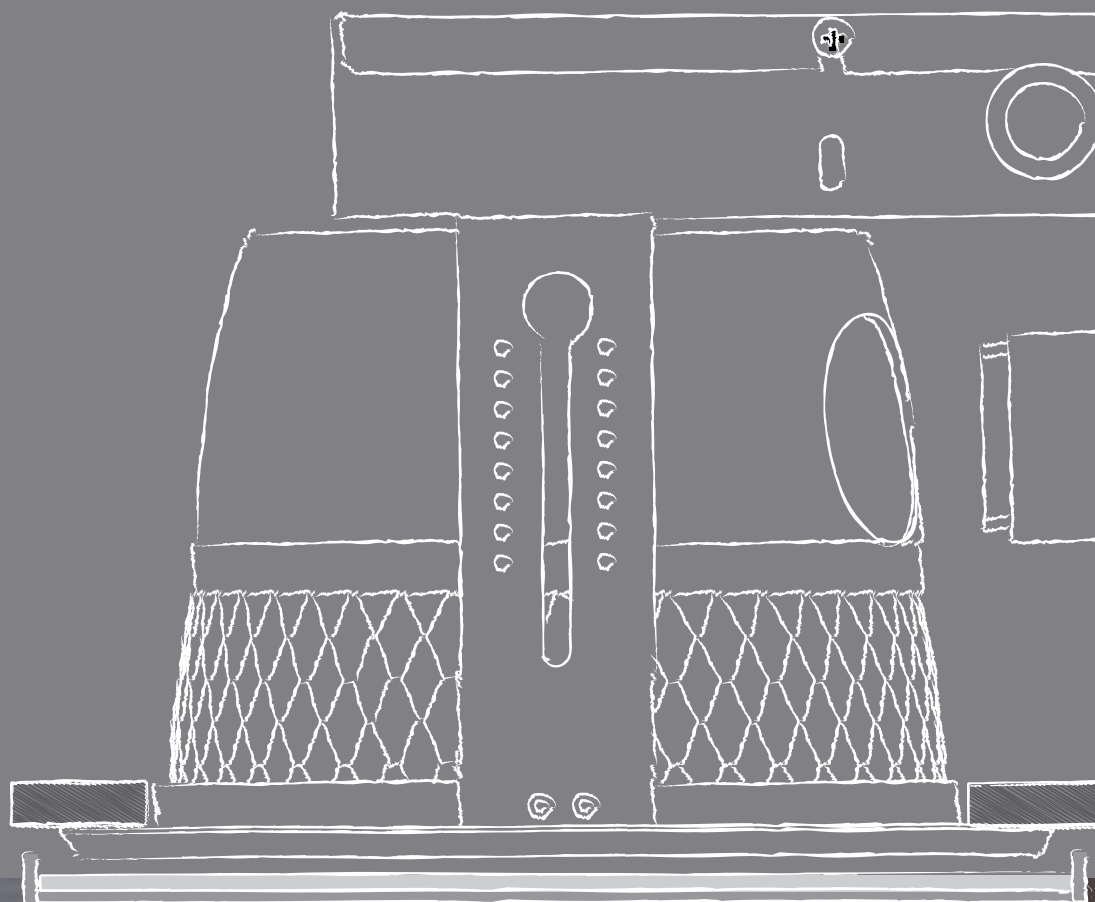
	LAMP	Wattage	Code
	8 LED x 1,2 W	11 W	LL6101
	8 LED x 1,2 W + Compact-Sensor	12 W	LL6102

HALOGEN / FLUORESCENCE

220-240 V AC / 50-60 Hz RoHS

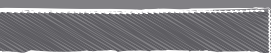
	LAMP	Code
	Max. 1 x 42 W halo. 15 W CFL	LL6103

Tamperproof tool see pages 204-205.





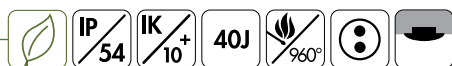
INDOOR: DOWNLIGHTS





SPOTE0

SPOTEO



Specifications:

- Vandal-resistant recessed downlight
- Zinc-coated steel front rim with white polyester coating
- 4 mm polycarbonate diffuser
- Tamperproof stainless steel screws
- Aluminium reflector

Options: (please contact us)

Recess box
Class II
IP65 rating
Special colours

LED: choice of wattage Equivalences given for information only

		
9 x 1,2 W	100 W	18 W
12 x 1,5 W	120 W	26 W





LED module:

- 9 or 12 x 1.2 W or 1.5 W Power LED
- Mounted on aluminium heat dissipation plate
- Average colour temperature: 3800 K / IRC (Ra) > 80
- Constant LED power supply: 24 V DC (12 x LED) or 350 mA (9 x LED)
- Average service life 50000 hours at 25 °C ambient temperature
- Standby mode: luminous flux reduced to 20% in case of non-detection of occupation



Easy-Sensor® detection:

- 5.8 GHz microwave detector
- 360° detection range
- Sensitivity adjustable from 20 to 100%
- Daylight sensor: adjustable from 5 to 2000 Lux.
- Adjustable timer: 10 seconds to 20 minutes
- Memorisation of settings in case of power failure.
- Maximum load: 500 W (fluorescent and LED), 800 W (incandescent)
- Standby power: 0.9 W ± 10%
- Operating temperature range: - 20° to + 70° C



Motion sensor operation may reduce the life time of fluorescent lamps.
Recommended operating time: 20 min (12 min minimum).



Corridor function:

By default, the Corridor function provides standby lighting by reducing the luminous flux to 10% of its rated value.
On request, we can also preset the fittings to operate with a switch-off warning signal, i.e. to reduce then stop the luminous flux.

Light fittings without built-in motion sensor:
The Corridor function can be activated by another master luminaire, a remote detector, a timer switch or a daylight sensor.



Dimmable fluorescence (EEI = A1):

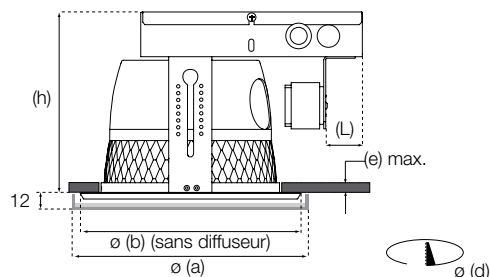
Three types of controls are included in the same dimmable HF ballast:
DALI, DSI, or SWITCH-DIM (momentary push-button switch operated).



HF ballast (EEI = A2):

- Warm cathode HF ballast
- Non dimmable
- Power factor cos phi > 0.95

SPOTEO



	ø d (mm)	h (mm)	ø a (mm)	ø b (mm)	e max. (mm)	L (mm)
SPOTEO 1	165	110	195	185	15	60
SPOTEO 2	200	110	230	220	12	45
SPOTEO 3	200	175	230	220	40	45

LED

220-240 V AC / 50-60 Hz RoHS

LAMP	Wattage	LED	LED + 20 % standby mode (1)
SPOTEO 2 - 9 LED x 1,2 W - opal diffuser	13 W	LU5661	-
SPOTEO 2 - 9 LED x 1,2 W - opal diffuser - with optics	13 W	LU5662	-
SPOTEO 2 - 12 LED x 1,5 W - opal diffuser	20 W	LU5664	LU5665
SPOTEO 2 - 12 LED x 1,5 W - opal diffuser - with optics	20 W	LU5666	LU5667
SPOTEO 2 - sensor module (2)	0,9 W	LU5699	-

(1) Operates with remote sensor or other master luminaire.

(2) The Sensor module is integrated in a non-illuminating SPOTEO.

FLUORESCENCE

220-240 V AC / 50-60 Hz RoHS

LAMP	Code
SPOTEO 1 - 1 x 18 W TC-D conv. G24d-2	LU5600
SPOTEO 1 - 1 x 18 W TC-DE HF G24q-2	LU5610
SPOTEO 1 - 2 x 18 W TC-D conv. G24d-2	LU5620
SPOTEO 1 - 2 x 18 W TC-DE HF G24q-2	LU5630
SPOTEO 2 - 1 x 18 W TC-D conv. G24d-2	LU5700
SPOTEO 2 - 1 x 18 W TC-DE HF G24q-2	LU5710
SPOTEO 2 - 2 x 18 W TC-D conv. G24d-2	LU5720
SPOTEO 2 - 2 x 18 W TC-DE HF G24q-2	LU5730
SPOTEO 3 - 1 x 26 W TC-D conv. G24d-3	LU5740
SPOTEO 3 - 1 x 26 W TC-DE HF G24q-3	LU5750
SPOTEO 3 - 2 x 26 W TC-D conv. G24d-3	LU5760
SPOTEO 3 - 2 x 26 W TC-DE HF G24q-3	LU5770

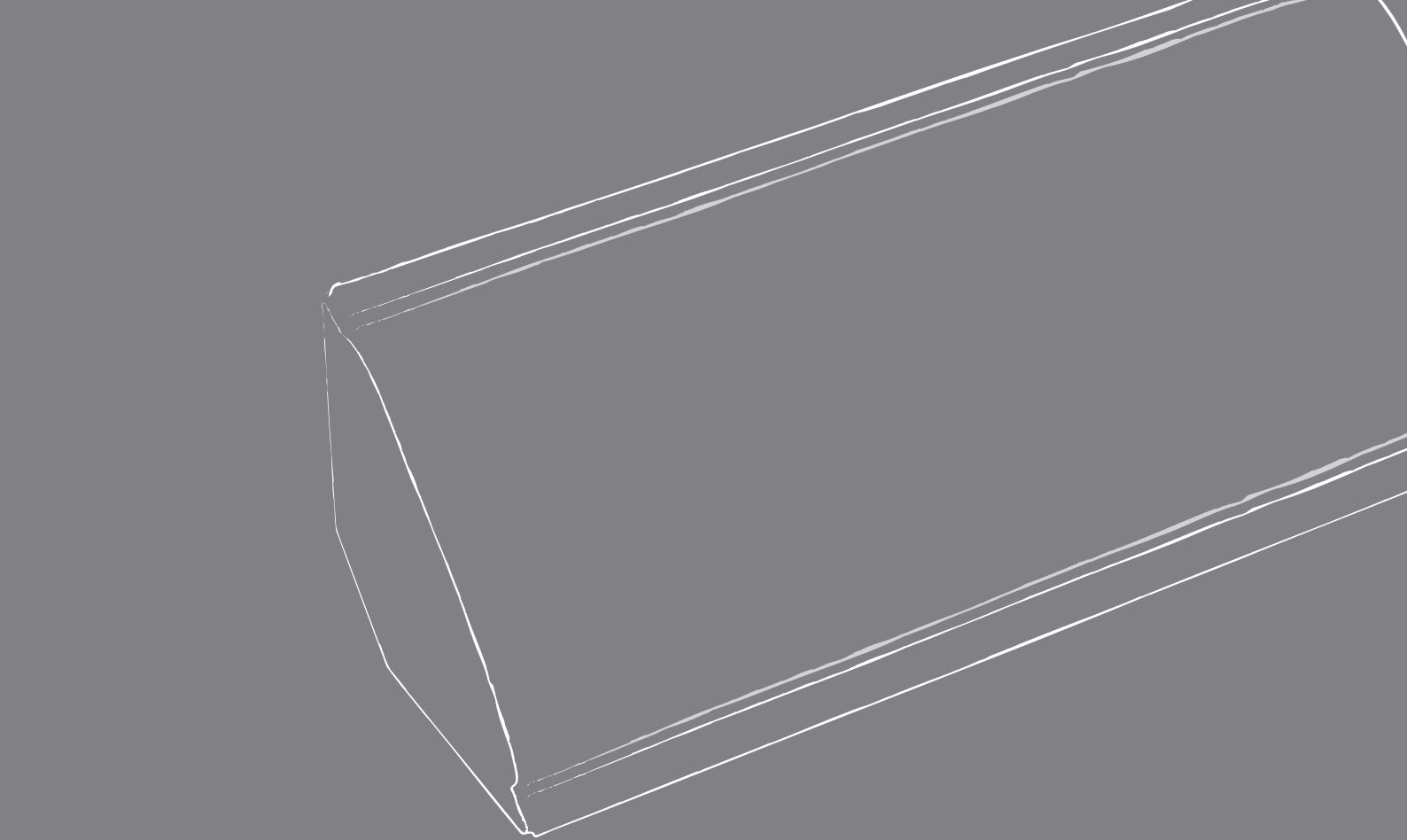
DALI DIMMABLE FLUORESCENCE + CORRIDOR FUNCTION (1)

220-240 V AC / 50-60 Hz RoHS

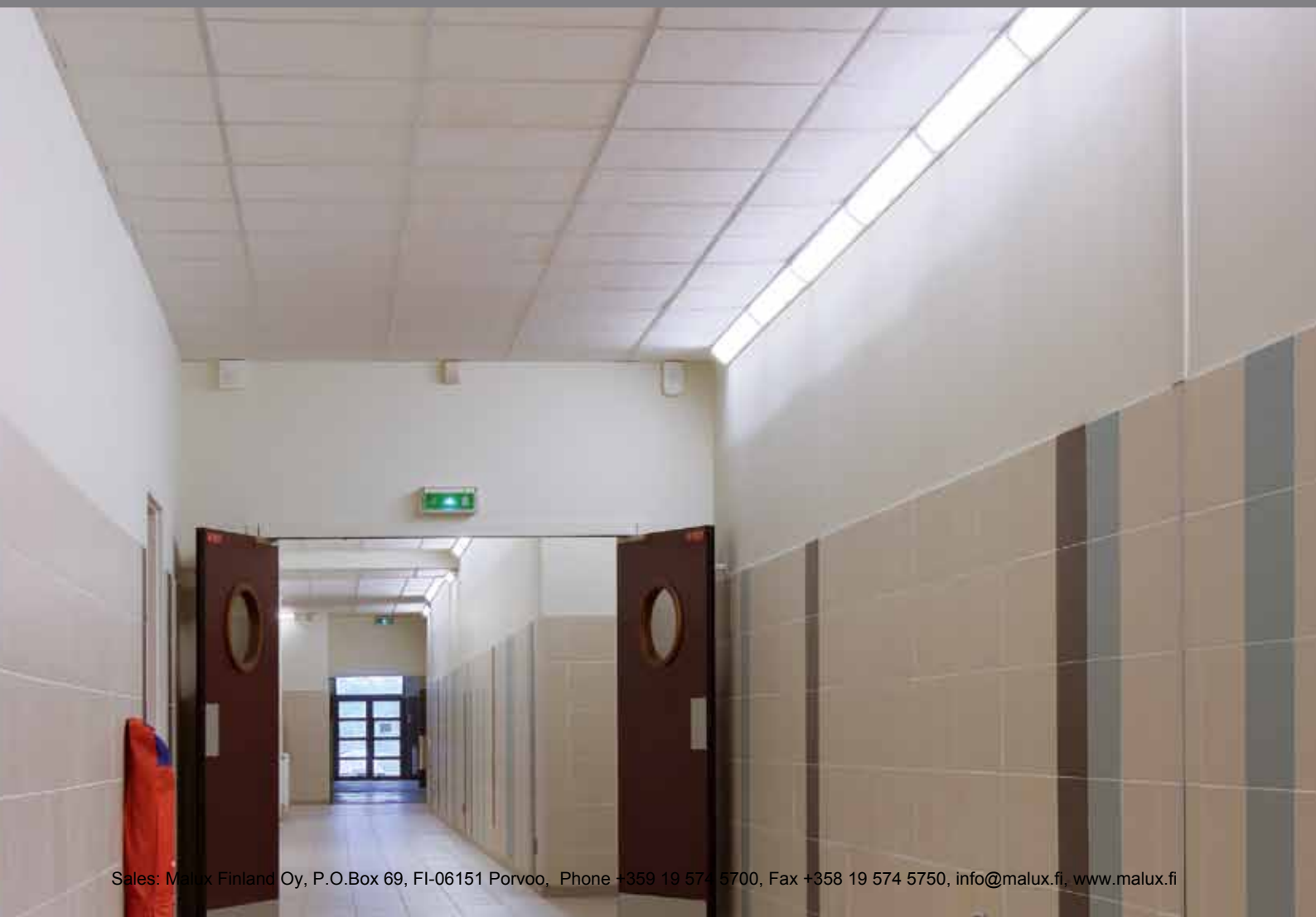
LAMP	Code
SPOTEO 1 - 2 x 18 W TC-DE DALI G24q-2	LU5630-BHD
SPOTEO 2 - 2 x 18 W TC-DE DALI G24q-2	LU5730-BHD
SPOTEO 3 - 2 x 26 W TC-DE DALI G24q-3	LU5770-BHD

(1) Requires external control (remote motion sensor or other master luminaire, etc.) to activate the Corridor function.

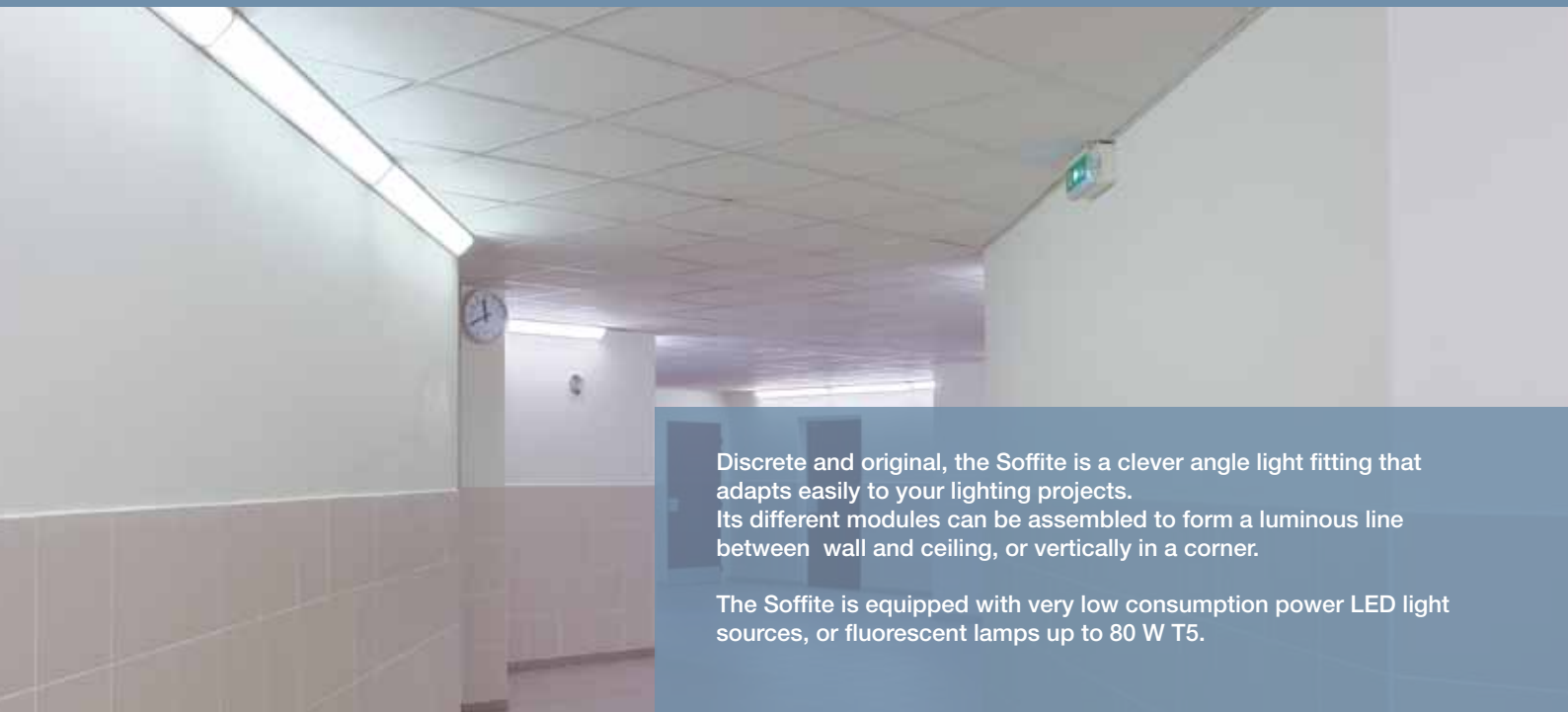
Tamperproof tool see pages 204-205.



INDOOR: LINEARS



SOFFITE



Discrete and original, the Soffite is a clever angle light fitting that adapts easily to your lighting projects. Its different modules can be assembled to form a luminous line between wall and ceiling, or vertically in a corner.

The Soffite is equipped with very low consumption power LED light sources, or fluorescent lamps up to 80 W T5.

Elegant

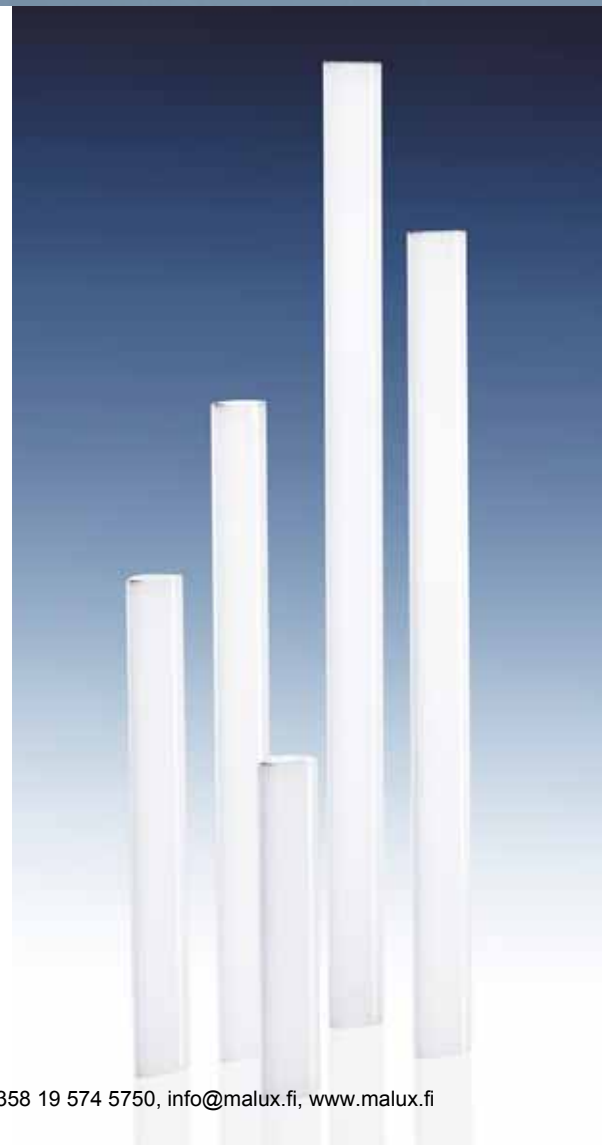
With a slight overhang of 90 mm and an 80mm projection at 45°, the Soffite is tremendously discrete!

Practical

Easy to install, enables power cable entry at rear and protects lamp access using an ingenious locking system.

Cost-effective

Make energy savings using LED lamps, motion detection or dimmable ballasts!





SPECIAL SOFFITE

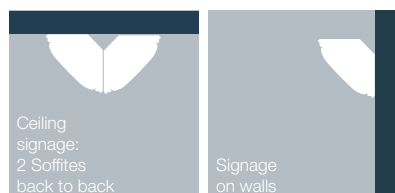
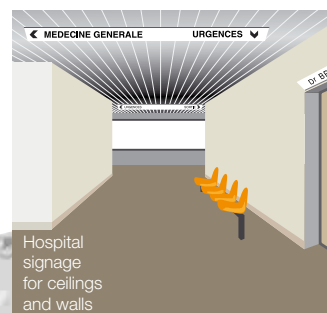
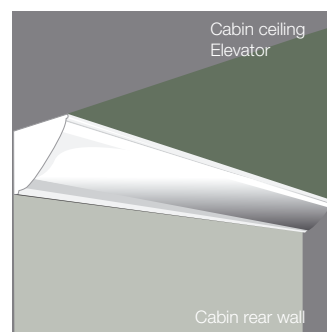
Have your Soffite made to measure

Define the desired length.
Minimum 598 mm, maximum 3000 mm.
Beyond these dimensions, please contact us.

Send us your specifications.
Tube lamps can partially overlap to adapt
to the desired length.
Some options (detectors, batteries, etc.)
can nonetheless create non-illuminating sections
which will be indicated to you.

We validate the project with you.
We send you a drawing, a quote and
a production time before final validation

You will receive a tailor-made luminaire.
The Soffite produced is specific to your
architectural project.



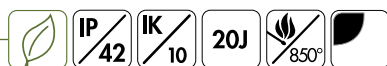
Signage
on walls





SOFFITE

SOFFITE



Specifications:

- Decorative light fitting for angle mounting
- Aluminium body and end pieces
- Opal polycarbonate diffuser
- Double rear cable entry

Options:
(please contact us)

1W or 3W LED night light



LED module:

- 6 x 1.5 W LED module
- Mounted on aluminium heat dissipation plate
- Average colour temperature: 3800 K / IRC (Ra) > 80
- LED power supply: constant voltage 24 V DC
- Total module power: 9.50 W
- Average service life 50000 hours at 25 °C ambient temperature



Easy-Sensor® detection:

- 5.8 GHz microwave detector
- 360° detection range
- Sensitivity adjustable from 20 to 100%
- Daylight sensor: adjustable from 5 to 2000 Lux.
- Adjustable timer: 10 seconds to 20 minutes
- Memorisation of settings in case of power failure.
- Maximum load: 500 W (fluorescent and LED), 800 W (incandescent)
- Standby power: 0.9 W ± 10%
- Operating temperature range: - 20 °C to + 70 °C



Motion sensor operation may reduce the life time of fluorescent lamps.
Recommended operating time: 20 min (12 min minimum).



Corridor function:

By default, the Corridor function provides standby lighting by reducing the luminous flux to 10% of its rated value.
On request, we can also preset the fittings to operate with a switch-off warning signal, i.e. to reduce then stop the luminous flux.

Light fittings without built-in motion sensor:
The Corridor function can be activated by another master luminaire, a remote detector, a timer switch or a daylight sensor.



Dimmable fluorescence (EEI = A1):

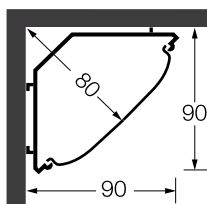
Three types of controls are included in the same dimmable HF ballast:
DALI, DSI, or SWITCH-DIM (momentary push-button switch operated).



HF ballast (EEI = A2):

- Warm cathode HF ballast
- Non dimmable
- Power factor cos phi > 0.95

SOFFITE



LED (excluding power supply)

24 V DC RoHS

LAMP	Wattage	Length (mm)	Power supply	Equivalence(*)	Code
2 modules 6 x LED 1.5 W	19 W	680	A	1 x 18 W	LS5050
3 modules 6 x LED 1.5 W	28,5 W	930	B	1 x 30 W	LS5051
4 modules 6 x LED 1.5 W	38 W	1 180	C	2 x 18 W	LS5052
5 modules 6 x LED 1.5 W	47,5 W	1 430	D	1 x 36 W	LS5054
6 modules 6 x LED 1.5 W	57 W	1 680	D	1 x 58 W	LS5055

(*) Equivalences given for information only.

DETECTION AND POWER SUPPLY MODULES(*)

220-240 V AC / 50-60 Hz RoHS

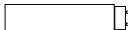
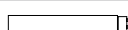
MODULE	Length (mm)	Code
Easy-Sensor® detection	250	LS5101
A: power supply 20 W 24 V-DC	300	LS5110
B: power supply 30 W 24 V-DC	300	LS5111
C: power supply 45 W 24 V-DC	300	LS5112
D: power supply 60 W 24 V-DC	300	LS5113

(*) Non-illuminating modules.

Tamperproof tool see pages 204-205.

FLUORESCENCE

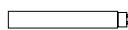
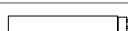
220-240 V AC / 50-60 Hz   RoHS

LAMP		Length (mm)	HF ballast	DALI dimmable + Corridor function (*)
 1 x 18 W T8	G13	638	LS5017-BHF	LS5017-BHD
 1 x 36 W T8	G13	1 248	LS5019-BHF	LS5019-BHD
 1 x 58 W T8	G13	1 548	LS5021-BHF	LS5021-BHD
 1 x 14 W-24 W T5	G5	598	LS5031	LS5031-BHD
 1 x 21 W-39 W T5	G5	898	LS5033	LS5033-BHD
 1 x 28 W-54 W T5	G5	1 198	LS5035	LS5035-BHD
 1 x 35 W-49 W T5	G5	1 498	LS5037	LS5037-BHD
 1 x 80 W T5	G5	1 498	LS5045	LS5045-BHD

(*) Requires external control (remote motion sensor or other master luminaire, etc.)
to activate the Corridor function.

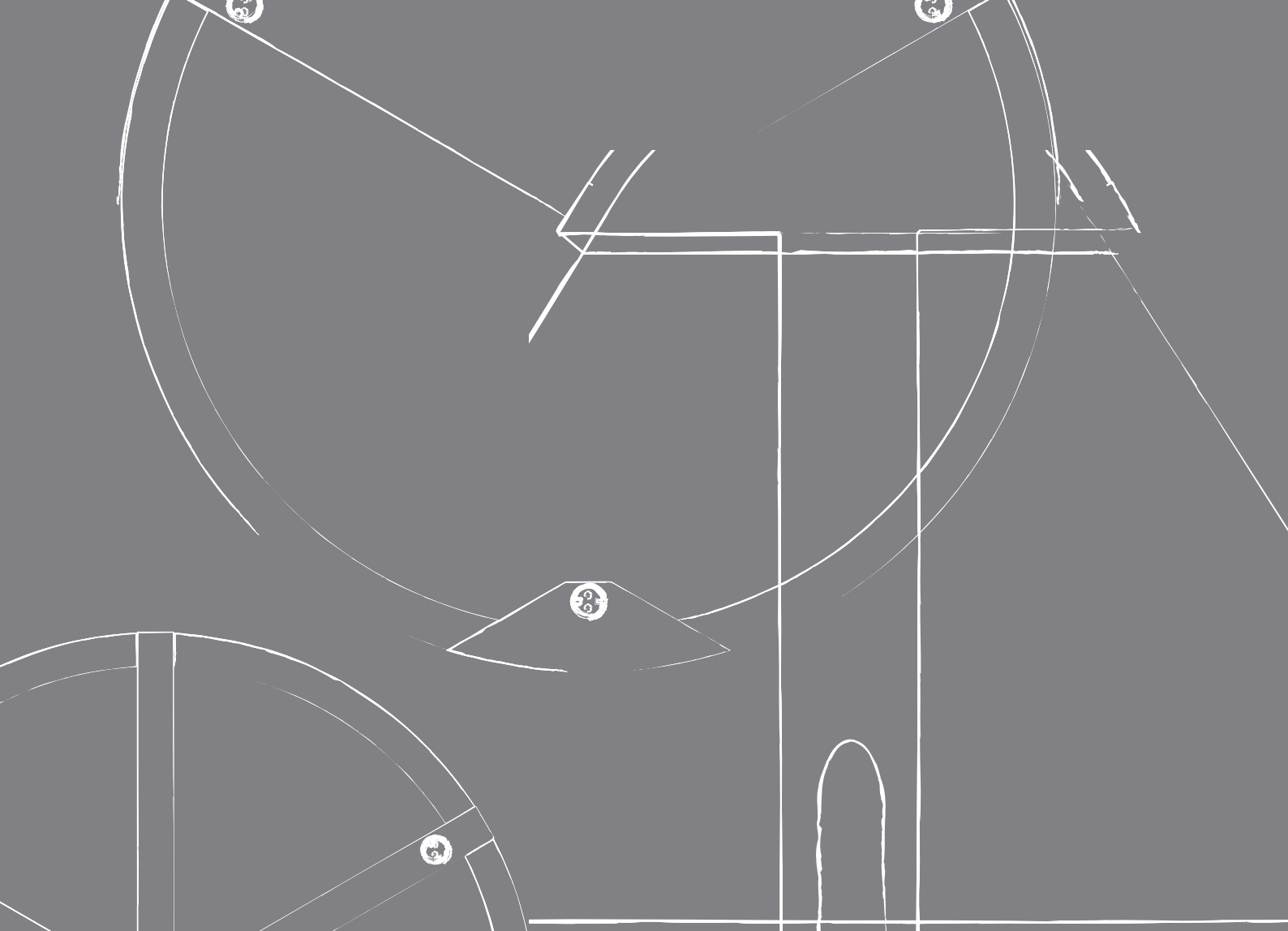
FLUORESCENCE + EASY-SENSOR® MOTION DETECTION

220-240 V AC / 50-60 Hz   RoHS

LAMP		Length (mm)	Detection	Detection + Corridor function
 1 x 14 W-24 W T5 HF	G5	700	LS5031-DPP	LS5031-BHD-DPP
 1 x 21 W-39 W T5 HF	G5	1 000	LS5033-DPP	LS5033-BHD-DPP
 1 x 28 W-54 W T5 HF	G5	1 300	LS5035-DPP	LS5035-BHD-DPP
 1 x 35 W-49 W T5 HF	G5	1 600	LS5037-DPP	LS5037-BHD-DPP
 1 x 80 W T5 HF	G5	1 800	LS5045-DPP	LS5045-BHD-DPP

N.B.: The built-in motion sensor creates a dark zone of 100mm
at the far left of the light fitting.

 Tamperproof tool see pages 204-205.



OUTDOOR:

WALL
AND

CEILING-MOUNT



RONDO

NEW!
More power
More savings

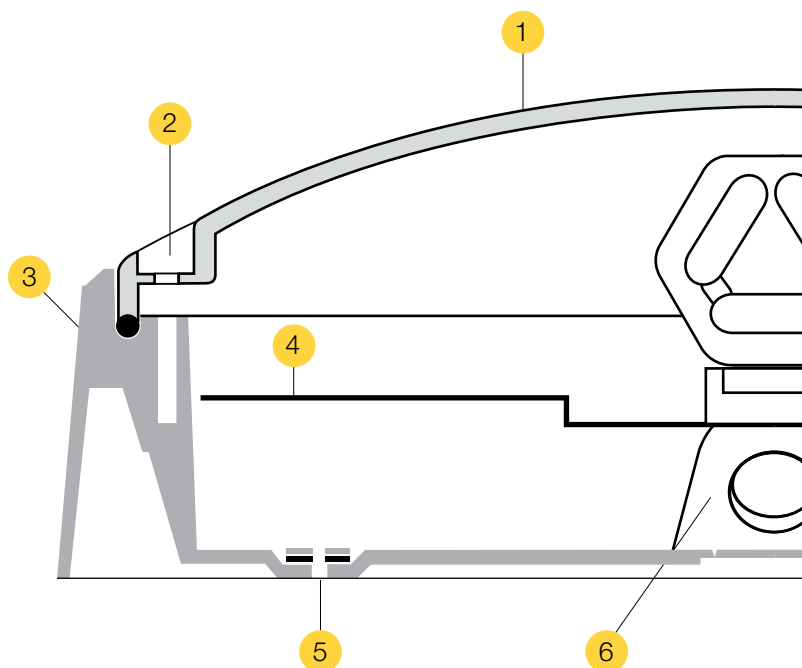
Rondo, a light fitting with eternal design, is built to last.

Whether wall-mounted or ceiling-mounted, the most powerful and most resistant of architectural light fittings for buildings halls and corridors.

Design: XQHO **DESIGN** by Xavier Houy



- 1 5 mm polycarbonate diffuser (120J)
- 2 Countersunk tamperproof screws
- 3 Marine grade aluminium and lever-resistant base
- 4 Easy maintenance: removable gear-tray
- 5 Sealing washers supplied
- 6 Knock-out cable entries (2 on side, 1 central)



More power

Up to 42 W fluorescent
or 35 W metal halide.

More efficient

Through lighting management:
DALI ballasts and LED
or fluorescent dimming solutions.

More savings

With LED equipment, a built-in daylight
sensor or our new Easy-Sensor® HF
motion sensor.

Greater resistance

Up to 120 joules.
Due to its marine-grade aluminium
base and its thick polycarbonate diffuser.





RONDINO / RONDO

Two sizes for the same luminaire,
a 5mm-thick opal diffuser
for 120 joule impact resistance rating

#



LED module:

- 9 x 1.2 W or 12 x 1.5 W Power LED
- Mounted on aluminium heat dissipation plate
- Average colour temperature: 3800 K / IRC (Ra) > 80
- Constant LED power supply: 24 V DC (12 x LED) or 350 mA (9 x LED)
- Average service life 50000 hours at 25 °C ambient temperature
- Standby mode: luminous flux reduced to 20% in case of non-detection of occupation



1W LED night light module for fluorescent light fittings:

- 1W LED on aluminium heat dissipation plate
- Rated flux 87 lm
- Average colour temperature: 4000 K / IRC (Ra) > 80
- Constant current 350 mA
- Module power: 1.2 W



Easy-Sensor® detection:

- 5.8 GHz microwave detector
- 360° detection range
- Sensitivity adjustable from 20 to 100%
- Daylight sensor: adjustable from 5 to 2000 Lux.
- Adjustable timer: 10 seconds to 20 minutes
- Memorisation of settings in case of power failure.
- Maximum load: 500 W (fluorescent and LED), 800 W (incandescent)
- Standby power: 0.9 W ± 10%
- Operating temperature range: - 20 °C to + 70 °C



Motion sensor operation may reduce the life time of fluorescent lamps.
Recommended operating time: 20 min (12 min minimum).



Corridor function:

By default, the Corridor function provides standby lighting by reducing the luminous flux to 10% of its rated value. On request, we can also preset the fittings to operate with a switch-off warning signal, i.e. to reduce then stop the luminous flux.

Light fittings without built-in motion sensor:
The Corridor function can be activated by another master luminaire, a remote detector, a timer switch or a daylight sensor.



Dimmable fluorescence (EEI = A1):

Three types of controls are included in the same dimmable HF ballast: DALI, DSI, or SWITCH-DIM (momentary push-button switch operated).



HF ballast (EEI = A2):

- Warm cathode HF ballast
- Non dimmable
- Power factor cos phi > 0.95

RONDINO / RONDO



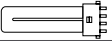
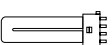
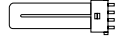
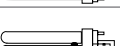
LED

220-240 V AC / 50-60 Hz    RoHS

LAMP	Wattage			
 LED 9 x 1,2 W 350 mA	13 W	LR1402	LR1402-C02	LR1402-C03
 LED 9 x 1,2 W 350 mA + Easy-Sensor® detection	14 W	LR1404	LR1404-C02	LR1404-C03

NON-DIMMABLE FLUORESCENCE

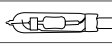
220-240 V AC / 50-60 Hz    RoHS

LAMP				
 2 x 9 W TC-SE HF	2G7	LR4352-BHF	LR4352-BHF-C02	LR4352-BHF-C03
 2 x 9 W TC-SE HF + Easy-Sensor® detection	2G7	LR4368	LR4368-C02	LR4368-C03
 2 x 9 W TC-SE HF + Easy-Sensor® detection + 1W night light LED	2G7	LR4368-CLV	LR4368-CLV-C02	LR4368-CLV-C03
 1 x 18 W TC-DE HF ⁽¹⁾	G24q-2	LR4366-BHF	LR4366-BHF-C02	LR4366-BHF-C03
 1 x 18 W TC-DE HF ⁽¹⁾ + Easy-Sensor detection®	G24q-2	LR4370	LR4370-C02	LR4370-C03
 1 x 18 W TC-DE HF ⁽¹⁾ + Easy-Sensor® detection + 1W night light LED	G24q-2	LR4370-CLV	LR4370-CLV-C02	LR4370-CLV-C03
 1 x 21 W TC-DD HF ⁽²⁾	GR10q	LR4354-BHF	LR4354-BHF-C02	LR4354-BHF-C03

(1) EEI = A3
(2) cos phi 0.60

METAL HALIDE

220-240 V AC / 50-60 Hz    RoHS

LAMP				
 1 x 20 W HIT-TC-CE (MH) HF	G8,5	LR4372	LR4372-C02	LR4372-C03

 Tamperproof tool see pages 204-205.

LED

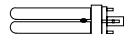
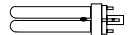
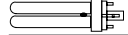
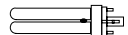
220-240 V AC / 50-60 Hz    RoHS

LAMP	Wattage			
 12 LED x 1,5 W	20 W	LR1303	LR1303-C02	LR1303-C03
 12 LED x 1,5 W + 20% standby mode (*)	20 W	LR1304	LR1304-C02	LR1304-C03
 12 LED x 1,5 W + Easy-Sensor® detection	21 W	LR1305	LR1305-C02	LR1305-C03
 12 LED x 1,5 W + Easy-Sensor® detection + 20% standby mode	21 W	LR1306	LR1306-C02	LR1306-C03

(*) Operates with remote sensor or other master luminaire.

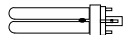
NON-DIMMABLE FLUORESCENCE

220-240 V AC / 50-60 Hz    RoHS

LAMP				
 2 x 18 W TC-DE	G24q-2	LR4418	LR4418-C02	LR4418-C03
 2 x 18 W TC-DE HF + 1W night light LED	G24q-2	LR4418-CLV	LR4418-CLV-C02	LR4418-CLV-C03
 2 x 18 W TC-DE HF + Easy-Sensor® detection	G24q-2	LR4420	LR4420-C02	LR4420-C03
 2 x 18 W TC-DE HF + Easy-Sensor® detection + 1W night light LED	G24q-2	LR4420-CLV	LR4420-CLV-C02	LR4420-CLV-C03
 1 x 26 W TC-TE HF	GX24q-3	LR4400	LR4400-C02	LR4400-C03
 1 x 26 W TC-TE HF + 1W night light LED	GX24q-3	LR4400-CLV	LR4400-CLV-C02	LR4400-CLV-C03
 1 x 26 W TC-TE HF + Easy-Sensor® detection	GX24q-3	LR4410	LR4410-C02	LR4410-C03
 1 x 26 W TC-TE HF + Easy-Sensor® detection + 1W night light LED	GX24q-3	LR4410-CLV	LR4410-CLV-C02	LR4410-CLV-C03
 1 x 32 W TC-TE HF	GX24q-3	LR4402	LR4402-C02	LR4402-C03
 1 x 32 W TC-TE HF + 1W night light LED	GX24q-3	LR4402-CLV	LR4402-CLV-C02	LR4402-CLV-C03
 1 x 32 W TC-TE HF + Easy-Sensor® detection	GX24q-3	LR4412	LR4412-C02	LR4412-C03
 1 x 32 W TC-TE HF + Easy-Sensor® detection + 1W night light LED	GX24q-3	LR4412-CLV	LR4412-CLV-C02	LR4412-CLV-C03
 1 x 42 W TC-TE HF	GX24q-4	LR4404	LR4404-C02	LR4404-C03
 1 x 42 W TC-TE HF + 1W night light LED	GX24q-4	LR4404-CLV	LR4404-CLV-C02	LR4404-CLV-C03
 1 x 42 W TC-TE HF + Easy-Sensor® detection	GX24q-4	LR4414	LR4414-C02	LR4414-C03
 1 x 42 W TC-TE HF + Easy-Sensor® detection + 1W night light LED	GX24q-4	LR4414-CLV	LR4414-CLV-C02	LR4414-CLV-C03

DIMMABLE FLUORESCENCE + CORRIDOR FUNCTION

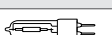
220-240 V AC / 50-60 Hz    RoHS

LAMP				
 2 x 18W TC-DE DALI + Corridor function ⁽¹⁾	G24q-2	LR4418-BHD	LR4418-BHD-C02	LR4418-BHD-C03
 2 x 18W TC-DE + Corridor function + Easy-Sensor® detection	G24q-2	LR4420-BHD	LR4420-BHD-C02	LR4420-BHD-C03
 1 x 26W TC-TE DALI + Corridor function ⁽¹⁾	GX24q-3	LR4400-BHD	LR4400-BHD-C02	LR4400-BHD-C03
 1 x 26W TC-TE + Corridor function + Easy-Sensor® detection	GX24q-3	LR4410-BHD	LR4410-BHD-C02	LR4410-BHD-C03
 1 x 32W TC-TE DALI + Corridor function ⁽¹⁾	GX24q-3	LR4402-BHD	LR4402-BHD-C02	LR4402-BHD-C03
 1 x 32W TC-TE + Corridor function + Easy-Sensor® detection	GX24q-3	LR4412-BHD	LR4412-BHD-C02	LR4412-BHD-C03
 1 x 42W TC-TE DALI + Corridor function ⁽¹⁾	GX24q-4	LR4404-BHD	LR4404-BHD-C02	LR4404-BHD-C03
 1 x 42W TC-TE + Corridor function + Easy-Sensor® detection	GX24q-4	LR4414-BHD	LR4414-BHD-C02	LR4414-BHD-C03

(1) Requires external control (remote motion sensor or other master luminaire, etc.) to activate the Corridor function.

METAL HALIDE

220-240 V AC / 50-60 Hz    RoHS

LAMP				
 1 x 35 W HIT-CE (MH) conv.	G12	LR4406	LR4406-C02	LR4406-C03
 1 x 35 W HIT-CE (MH) HF	G12	LR4406-BHF	LR4406-BHF-C02	LR4406-BHF-C03



RUEDA



Specifications:

- Architectural luminaire resistant to 120 joules
- Die-cast marine grade aluminium base and grille
- Opal polycarbonate diffuser
- Tamperproof stainless steel screws
- Removable gear-tray

Options:

(please contact us)

Conventional ballast (switch start)
Separate circuit
Standard socket head screws

- RAL9005
- RAL9006
- RAL9003



LED module:

- 9 x 1.2W LED
- Mounted on aluminium heat dissipation plate
- Average colour temperature: 3800 K / IRC (Ra) > 80
- Constant current 350 mA
- Average service life 50000 hours at 25 °C ambient temperature



Easy-Sensor® detection:

- 5.8 GHz microwave detector
- 360° detection range
- Sensitivity adjustable from 20 to 100%
- Daylight sensor: adjustable from 5 to 2000 Lux
- Adjustable timer: 10 seconds to 20 minutes
- Memorisation of settings in case of power failure.
- Maximum load: 500 W (fluorescent and LED), 800 W (incandescent)
- Standby power: 0.9 W ± 10%
- Operating temperature range: - 20 °C to + 70 °C



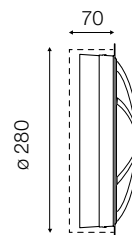
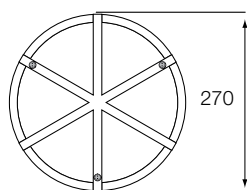
Motion sensor operation may reduce the life time of fluorescent lamps.
Recommended operating time: 20 min (12 min minimum).



HF ballast (EEI = A2):

- Warm cathode HF ballast
- Non dimmable
- Power factor cos phi > 0.95

RUEDA



Recess dimensions: $\varnothing$ 280 mm x 70 mm
Recess mounting option:
add suffix "-LSE" to the product code.

LED

220-240 V AC / 50-60 Hz RoHS

	LAMP	Wattage			
	LED 9 x 1,2 W 350 mA	13 W	LR1002	LR1002-C02	LR1002-C03
	LED 9 x 1,2 W 350 mA + Easy-Sensor® detection	14 W	LR1004	LR1004-C02	LR1004-C03

FLUORESCENCE (HF)

220-240 V AC / 50-60 Hz RoHS

	LAMP				
	2 x 9 W TC-SE	2G7	LR3102-BHF	LR3102-BHF-C02	LR3102-BHF-C03
	1 x 18 W TC-DE ⁽¹⁾	G24q-2	LR3110-BHF	LR3110-BHF-C02	LR3110-BHF-C03
	1 x 16 W TC-DD ⁽¹⁾⁽²⁾	GR10q	LR3106-BHF	LR3106-BHF-C02	LR3106-BHF-C03
	1 x 21 W TC-DD ⁽²⁾	GR10q	LR3108-BHF	LR3108-BHF-C02	LR3108-BHF-C03

(1) EEI = A3

(2) cos phi 0.60

Tamperproof tool see pages 204-205.





AKI AKITA



Specifications:

- Architectural luminaire resistant to 120 joules
- Die-cast marine grade aluminium base and grille
- Opal polycarbonate diffuser
- Tamperproof stainless steel screws
- Removable gear-tray

- RAL9005
- RAL9006
- RAL9003

Options:

(please contact us)

Conventional ballast (switch start)
 Separate circuit
 Standard socket head screws



LED module:

- 9 x 1.2W LED
- Mounted on aluminium heat dissipation plate
- Average colour temperature: 3800 K / IRC (Ra) > 80
- Constant current 350 mA
- Average service life 50000 hours at 25 °C ambient temperature



Easy-Sensor® detection:

- 5.8 GHz microwave detector
- 360° detection range
- Sensitivity adjustable from 20 to 100%
- Daylight sensor: adjustable from 5 to 2000 Lux
- Adjustable timer: 10 seconds to 20 minutes
- Memorisation of settings in case of power failure.
- Maximum load: 500 W (fluorescent and LED), 800 W (incandescent)
- Standby power: 0.9 W ± 10%
- Operating temperature range: - 20 °C to + 70 °C



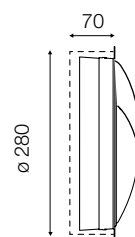
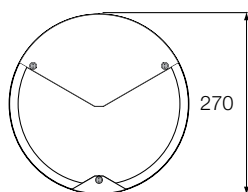
Motion sensor operation may reduce the life time of fluorescent lamps.
 Recommended operating time: 20 min (12 min minimum).



HF ballast (EEI = A2):

- Warm cathode HF ballast
- Non dimmable
- Power factor cos phi > 0.95

AKI



Recess dimensions: $\varnothing$ 280 mm x 70 mm

Recess mounting option:
add suffix "-LSE" to the product code.

LED

220-240 V AC / 50-60 Hz RoHS

	LAMP	Wattage			
	LED 9 x 1,2 W 350 mA	13 W	LR1102	LR1102-C02	LR1102-C03
	LED 9 x 1,2 W 350 mA + Easy-Sensor® detection	14 W	LR1104	LR1104-C02	LR1104-C03

FLUORESCENCE (HF)

220-240 V AC / 50-60 Hz RoHS

	LAMP				
	2 x 9 W TC-SE	2G7	LR3202-BHF	LR3202-BHF-C02	LR3202-BHF-C03
	1 x 18 W TC-DE ⁽¹⁾	G24q-2	LR3210-BHF	LR3210-BHF-C02	LR3210-BHF-C03
	1 x 16 W TC-DD ⁽¹⁾⁽²⁾	GR10q	LR3206-BHF	LR3206-BHF-C02	LR3206-BHF-C03
	1 x 21 W TC-DD ⁽²⁾	GR10q	LR3208-BHF	LR3208-BHF-C02	LR3208-BHF-C03

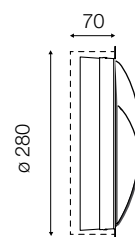
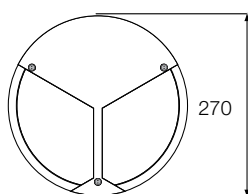
(1) EEI = A3

(2) cos phi 0.60

Tamperproof tool see pages 204-205.



AKITA



Recess dimensions: $\varnothing$ 280 mm x 70 mm
Recess mounting option:
add suffix "-LSE" to the product code.

LED

220-240 V AC / 50-60 Hz RoHS

	LAMP	Wattage			
	LED 9 x 1,2 W 350 mA	13 W	LR1202	LR1202-C02	LR1202-C03
	LED 9 x 1,2 W 350 mA + Easy-Sensor® detection	14 W	LR1204	LR1204-C02	LR1204-C03

FLUORESCENCE (HF)

220-240 V AC / 50-60 Hz RoHS

	LAMP				
	2 x 9 W TC-SE	2G7	LR3302-BHF	LR3302-BHF-C02	LR3302-BHF-C03
	1 x 18 W TC-DE ⁽¹⁾	G24q-2	LR3310-BHF	LR3310-BHF-C02	LR3310-BHF-C03
	1 x 16 W TC-DD ⁽¹⁾⁽²⁾	GR10q	LR3306-BHF	LR3306-BHF-C02	LR3306-BHF-C03
	1 x 21 W TC-DD ⁽²⁾	GR10q	LR3308-BHF	LR3308-BHF-C02	LR3308-BHF-C03

(1) EEI = A3

(2) cos phi 0,60

Tamperproof tool see pages 204-205.





PUNTO



Specifications:

- High wattage light fitting
- Die-cast marine grade aluminium
- Opal polycarbonate diffuser
- Tamperproof stainless steel screws
- Removable gear-tray (except LED)

- RAL9005
- RAL9006
- RAL9003

Options:
(please contact us)

Daylight sensor (preset to 70 lux)
Standard socket head screws

LED: choice of wattage
Equivalences given for information only

		
13 x 2,4 W	2 x 100 W	42 W

LED module:

- 13 x 2.4 W LED module
- Mounted on aluminium heat dissipation plate
- Average colour temperature: 3800 K / IRC (Ra) > 80
- LED power supply: constant voltage 24 V DC
- Average service life 50000 hours at 25 °C ambient temperature
- Module power: 29 W
- Standby mode: luminous flux reduced to 20% in case of non-detection of occupation

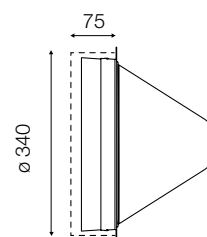
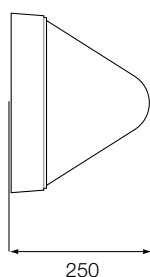
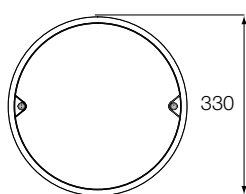
Easy-Sensor® detection:

- 5.8 GHz microwave detector
- 360° detection range
- Sensitivity adjustable from 20 to 100%
- Daylight sensor: adjustable from 5 to 2000 Lux
- Adjustable timer: 10 seconds to 20 minutes
- Memorisation of settings in case of power failure.
- Maximum load: 500 W (fluorescent and LED), 800 W (incandescent)
- Standby power: 0.9 W ± 10%
- Operating temperature range: - 20 °C to + 70 °C

 Motion sensor operation may reduce the life time of fluorescent lamps.
Recommended operating time: 20 min (12 min minimum).

HF ballast (EEI = A2):

- Warm cathode HF ballast
- Non dimmable
- Power factor cos phi > 0.95



Recess dimensions: $\varnothing$ 340 mm x 75 mm
Recess mounting option:
add suffix "-LSE" to the product code.

LED

220-240 V AC / 50-60 Hz RoHS

LAMP	Wattage			
13 LED 2,4 W	35 W	LR1701	LR1701-C02	LR1701-C03
13 LED 2,4 W + 20% standby mode ^(*)	35 W	LR1702	LR1702-C02	LR1702-C03
13 LED 2,4 W + LED Easy-Sensor [®] detection	36 W	LR1707	LR1707-C02	LR1707-C03
13 LED 2,4 W + LED Easy-Sensor [®] detection + 20% standby mode	36 W	LR1708	LR1708-C02	LR1708-C03

^(*) Operates with remote sensor or other master luminaire.

FLUORESCENCE

220-240 V AC / 50-60 Hz RoHS

LAMP				
1 x 26 W TC-TE HF	GX24q-3	LR5236	LR5236-C02	LR5236-C03
1 x 32 W TC-TE HF	GX24q-3	LR5234	LR5234-C02	LR5234-C03
1 x 42 W TC-TE HF	GX24q-4	LR5232	LR5232-C02	LR5232-C03

SODIUM / METAL HALIDE

220-240 V AC / 50-60 Hz RoHS

LAMP				
1 x 50 W HSE-E (SHP) conv.	E27	LR5218	LR5218-C02	LR5218-C03
1 x 70 W HSE-E (SHP) conv.	E27	LR5220	LR5220-C02	LR5220-C03
1 x 70 W HIE-CE/S (MH) conv.	E27	LR5226	LR5226-C02	LR5226-C03
1 x 35 W HIT-CE (MH) conv.	G12	LR5230	LR5230-C02	LR5230-C03
1 x 70 W HIT-CE (MH) conv.	G12	LR5228	LR5228-C02	LR5228-C03

Tamperproof tool see pages 204-205.





IZU
IZUMI



Specifications:

- High wattage light fitting
- Die-cast marine grade aluminium base and shield
- Opal polycarbonate diffuser
- Tamperproof stainless steel screws
- Removable gear-tray (except LED)

- RAL9005
- RAL9006
- RAL9003

Options:

(please contact us)

Daylight sensor (preset to 70 lux)
Standard socket head screws

LED: choice of wattage

Equivalences given for information only

		
13 x 2,4 W	2 x 100 W	42 W

LED module:

- 13 x 2.4 W LED module
- Mounted on aluminium heat dissipation plate
- Average colour temperature: 3800 K / IRC (Ra) > 80
- LED power supply: constant voltage 24 V DC
- Average service life 50000 hours at 25 °C ambient temperature
- Module power: 29 W
- Standby mode: luminous flux reduced to 20% in case of non-detection of occupation

Easy-Sensor® detection:

- 5.8 GHz microwave detector
- 360° detection range
- Sensitivity adjustable from 20 to 100%
- Daylight sensor: adjustable from 5 to 2000 Lux
- Adjustable timer: 10 seconds to 20 minutes
- Memorisation of settings in case of power failure
- Maximum load: 500 W (fluorescent and LED), 800 W (incandescent)
- Standby power: 0.9 W ± 10%
- Operating temperature range: - 20 °C to + 70 °C

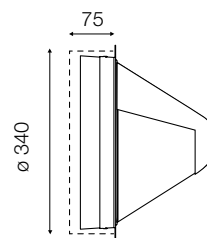
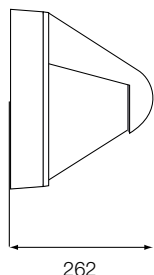
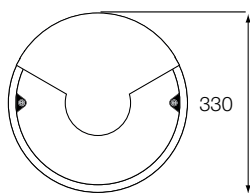


Motion sensor operation may reduce the life time of fluorescent lamps.
Recommended operating time: 20 min (12 min minimum).

HF ballast (EEI = A2):

- Warm cathode HF ballast
- Non dimmable
- Power factor cos phi > 0.95





Recess dimensions: $\varnothing$ 340 mm x 75 mm

Recess mounting option:
add suffix "-LSE" to the product code.

LED

220-240 V AC / 50-60 Hz RoHS

LAMP	Wattage			
13 LED 2,4 W	35 W	LR1901	LR1901-C02	LR1901-C03
13 LED 2,4 W + 20% standby mode ^(*)	35 W	LR1902	LR1902-C02	LR1902-C03
13 LED 2,4 W + Easy-Sensor [®] detection	36 W	LR1907	LR1907-C02	LR1907-C03
13 LED 2,4 W + Easy-Sensor [®] detection + 20% standby mode	36 W	LR1908	LR1908-C02	LR1908-C03

^(*) Operates with remote sensor or other master luminaire.

FLUORESCENCE

220-240 V AC / 50-60 Hz RoHS

LAMP				
1 x 26 W TC-TE HF	GX24q-3	LR5436	LR5436-C02	LR5436-C03
1 x 32 W TC-TE HF	GX24q-3	LR5434	LR5434-C02	LR5434-C03
1 x 42 W TC-TE HF	GX24q-4	LR5432	LR5432-C02	LR5432-C03

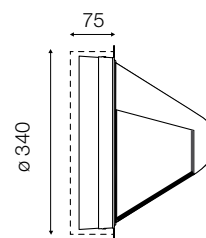
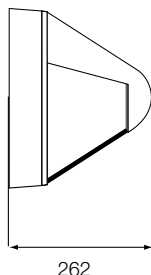
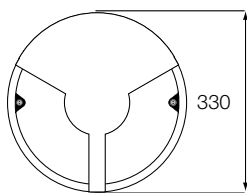
SODIUM / METAL HALIDE

220-240 V AC / 50-60 Hz RoHS

LAMP				
1 x 50 W HSE-E (SHP) conv.	E27	LR5418	LR5418-C02	LR5418-C03
1 x 70 W HSE-E (SHP) conv.	E27	LR5420	LR5420-C02	LR5420-C03
1 x 70 W HIE-CE/S (MH) conv.	E27	LR5426	LR5426-C02	LR5426-C03
1 x 35 W HIT-CE (MH) conv.	G12	LR5430	LR5430-C02	LR5430-C03
1 x 70 W HIT-CE (MH) conv.	G12	LR5428	LR5428-C02	LR5428-C03

Tamperproof tool see pages 204-205.





Recess dimensions: ø 340 mm x 75 mm

Recess mounting option:
add suffix "-LSE" to the product code.

LED

220-240 V AC / 50-60 Hz RoHS

LAMP	Wattage			
13 LED 2,4 W	35 W	LR1801	LR1801-C02	LR1801-C03
13 LED 2,4 W + 20% standby mode(*)	35 W	LR1802	LR1802-C02	LR1802-C03
13 LED 2,4 W + Easy-Sensor® detection	36 W	LR1807	LR1807-C02	LR1807-C03
13 LED 2,4 W + Easy-Sensor® detection + 20% standby mode	36 W	LR1808	LR1808-C02	LR1808-C03

(*) Operates with remote sensor or other master luminaire.

FLUORESCENCE

220-240 V AC / 50-60 Hz RoHS

LAMP				
1 x 26 W TC-TE HF	GX24q-3	LR5336	LR5336-C02	LR5336-C03
1 x 32 W TC-TE HF	GX24q-3	LR5334	LR5334-C02	LR5334-C03
1 x 42 W TC-TE HF	GX24q-4	LR5332	LR5332-C02	LR5332-C03

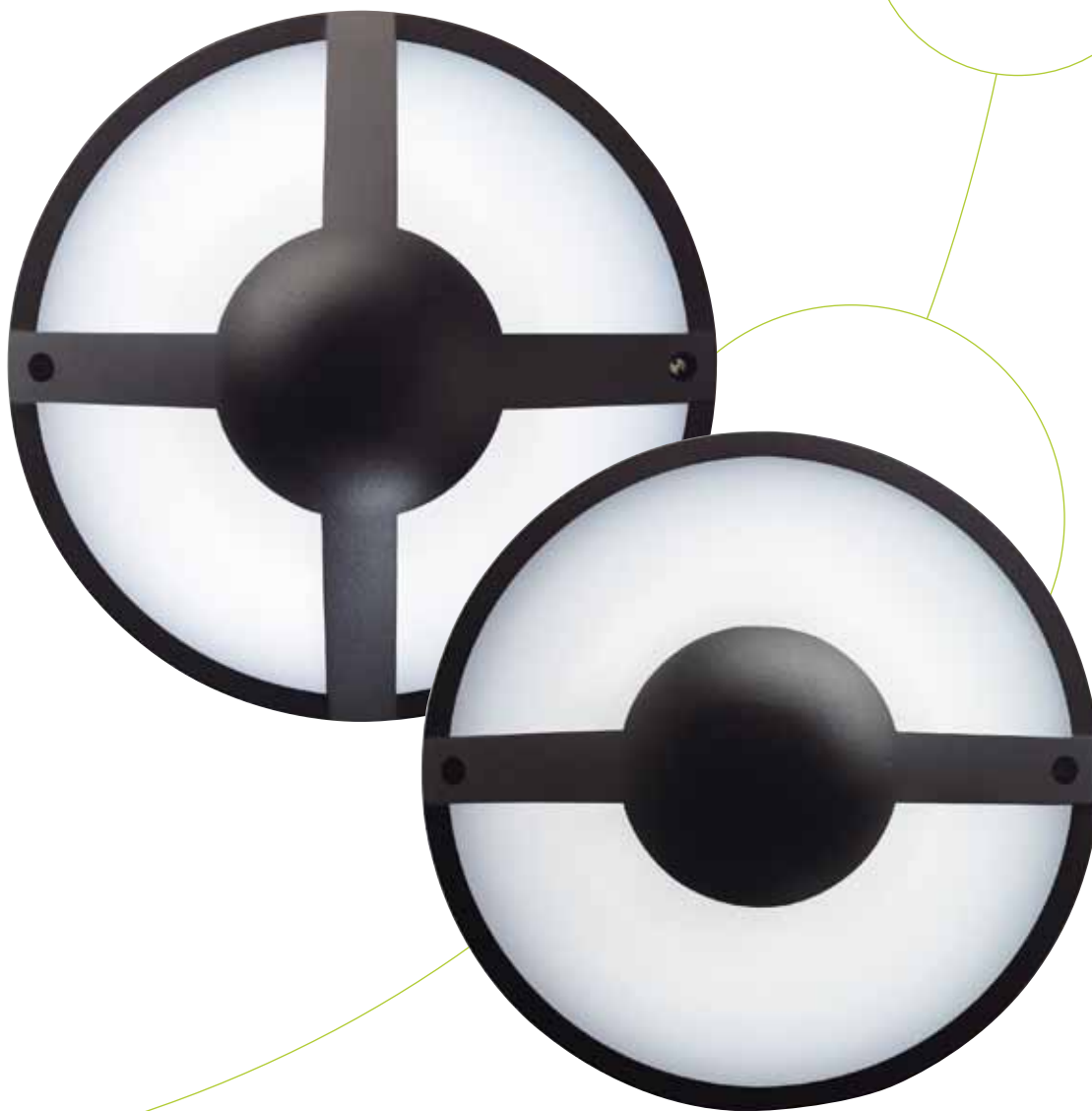
SODIUM / METAL HALIDE

220-240 V AC / 50-60 Hz RoHS

LAMP				
1 x 50 W HSE-E (SHP) conv.	E27	LR5318	LR5318-C02	LR5318-C03
1 x 70 W HSE-E (SHP) conv.	E27	LR5320	LR5320-C02	LR5320-C03
1 x 70 W HIE-CE/S (MH) conv.	E27	LR5326	LR5326-C02	LR5326-C03
1 x 35 W HIT-CE (MH) conv.	G12	LR5330	LR5330-C02	LR5330-C03
1 x 70 W HIT-CE (MH) conv.	G12	LR5328	LR5328-C02	LR5328-C03

Tamperproof tool see pages 204-205.





SANTA BUDA

SANTA / BUDA

XQHO DESIGN by Xavier Houy



Specifications:

- High wattage light fitting
- Die-cast marine grade aluminium base and shield
- Opal polycarbonate diffuser
- Stainless steel socket head screws
- Removable gear-tray (except LED)

- RAL9005
- RAL9006
- RAL9003

Options:
(please contact us)

Daylight sensor (preset to 70 lux)
Tamperproof screws

LED: choice of wattage
Equivalences given for information only

		
13 x 2,4 W	2 x 100 W	42 W

LED module:

- 13 x 2.4 W LED module
- Mounted on aluminium heat dissipation plate
- Average colour temperature: 3800 K / IRC (Ra) > 80
- LED power supply: constant voltage 24 V DC
- Average service life 50000 hours at 25 °C ambient temperature
- Module power: 29 W
- Standby mode: luminous flux reduced to 20% in case of non-detection of occupation

Easy-Sensor® detection:

- 5.8 GHz microwave detector
- 360° detection range
- Sensitivity adjustable from 20 to 100%
- Daylight sensor: adjustable from 5 to 2000 Lux
- Adjustable timer: 10 seconds to 20 minutes
- Memorisation of settings in case of power failure
- Maximum load: 500 W (fluorescent and LED), 800 W (incandescent)
- Standby power: 0.9 W ± 10%
- Operating temperature range: - 20° to + 70 °C

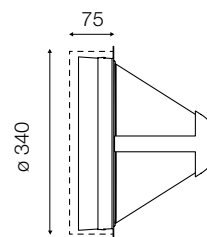
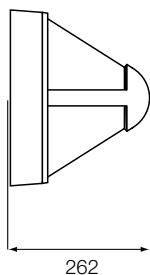
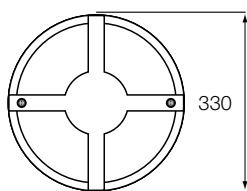


Motion sensor operation may reduce the life time of fluorescent lamps.
Recommended operating time: 20 min (12 min minimum).

HF ballast (EEI = A2):

- Warm cathode HF ballast
- Non dimmable
- Power factor cos phi > 0.95





Recess dimensions: ø 340 mm x 75 mm
Recess mounting option:
add suffix "-LSE" to the product code.

LED

220-240 V AC / 50-60 Hz RoHS

LAMP	Wattage			
13 LED 2,4 W	35 W	LR1651	LR1651-C02	LR1651-C03
13 LED 2,4 W + 20% standby mode(*)	35 W	LR1652	LR1652-C02	LR1652-C03
13 LED 2,4 W + Easy-Sensor® detection	36 W	LR1657	LR1657-C02	LR1657-C03
13 LED 2,4 W + Easy-Sensor® detection + 20% standby mode	36 W	LR1658	LR1658-C02	LR1658-C03

(*) Operates with remote sensor or other master luminaire.

FLUORESCENCE

220-240 V AC / 50-60 Hz RoHS

LAMP				
1 x 26 W TC-TE HF	GX24q-3	LR5136	LR5136-C02	LR5136-C03
1 x 32 W TC-TE HF	GX24q-3	LR5134	LR5134-C02	LR5134-C03
1 x 42 W TC-TE HF	GX24q-4	LR5132	LR5132-C02	LR5132-C03

SODIUM / METAL HALIDE

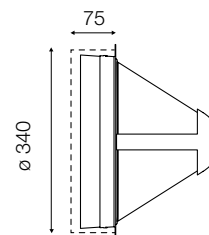
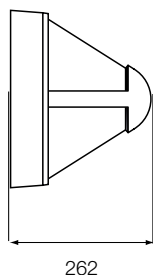
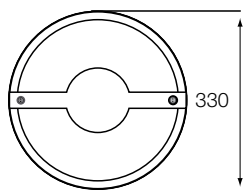
220-240 V AC / 50-60 Hz RoHS

LAMP				
1 x 50 W HSE-E (SHP) conv.	E27	LR5118	LR5118-C02	LR5118-C03
1 x 70 W HSE-E (SHP) conv.	E27	LR5120	LR5120-C02	LR5120-C03
1 x 70 W HIE-CE/S (MH) conv.	E27	LR5126	LR5126-C02	LR5126-C03
1 x 35 W HIT-CE (MH) conv.	G12	LR5130	LR5130-C02	LR5130-C03
1 x 70 W HIT-CE (MH) conv.	G12	LR5128	LR5128-C02	LR5128-C03

Tamperproof screw option: add -VAV to product code.

Tamperproof tool see pages 204-205.





Recess dimensions: $\varnothing$ 340 mm x 75 mm
Recess mounting option:
add suffix "-LSE" to the product code.

LED

220-240 V AC / 50-60 Hz

(*) Operates with remote sensor or other master luminaire.

FLUORESCENCE

220-240 V AC / 50-60 Hz

LAMP					
	1 x 26 W TC-TE HF	GX24q-3	LR5186	LR5186-C02	LR5186-C03
	1 x 32 W TC-TE HF	GX24q-3	LR5184	LR5184-C02	LR5184-C03
	1 x 42 W TC-TE HF	GX24q-4	LR5182	LR5182-C02	LR5182-C03

SODIUM / METAL HALIDE

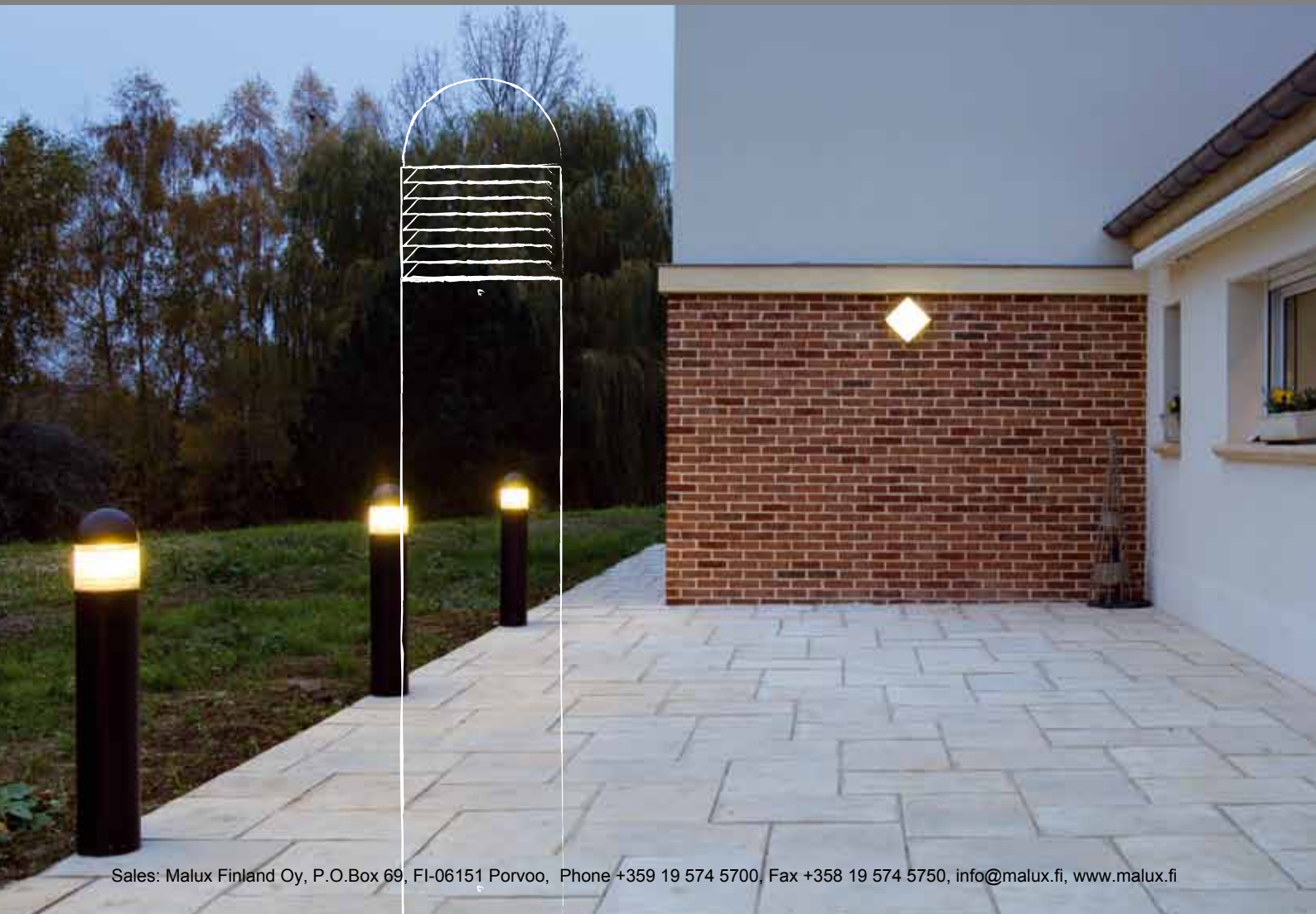
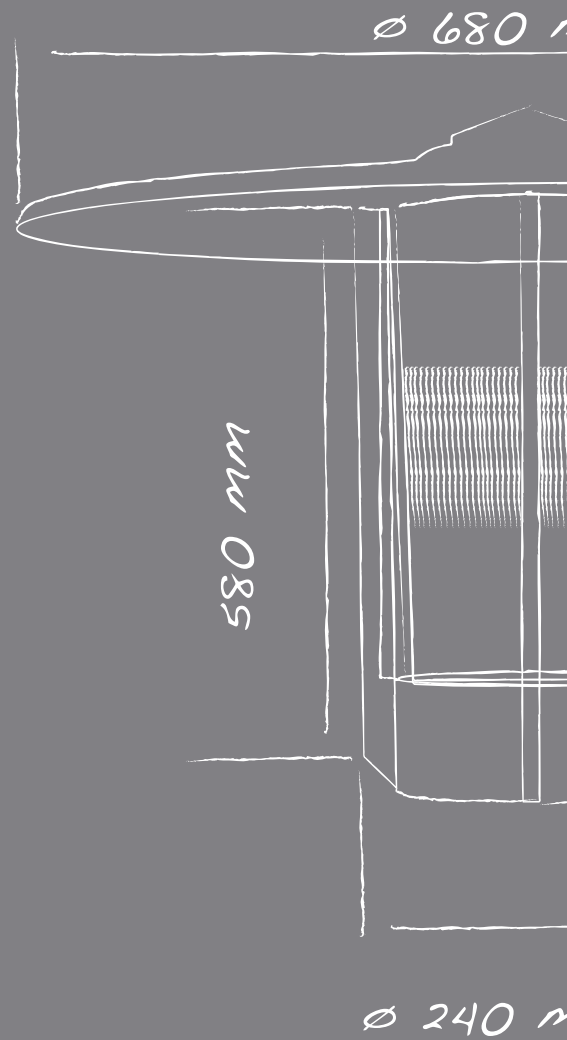
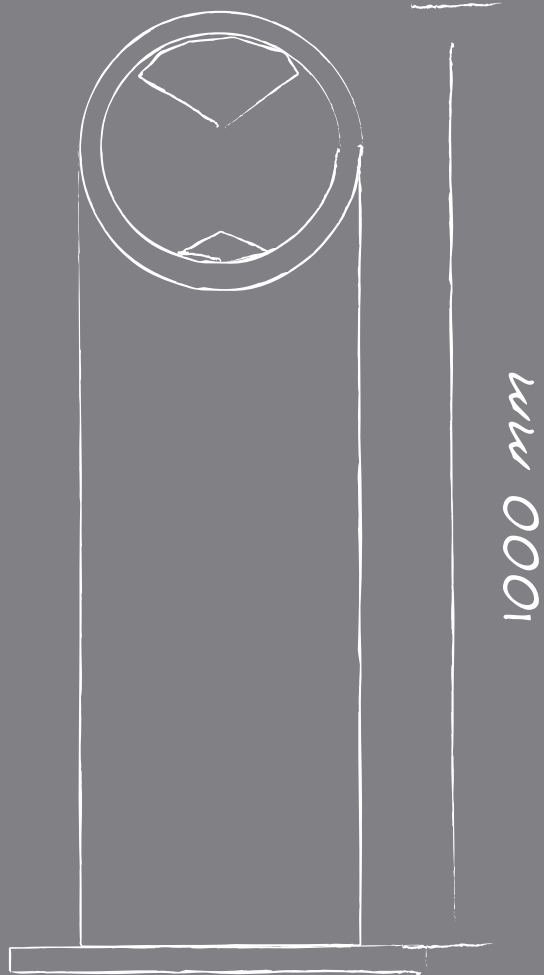
220-240 V AC / 50-60 Hz

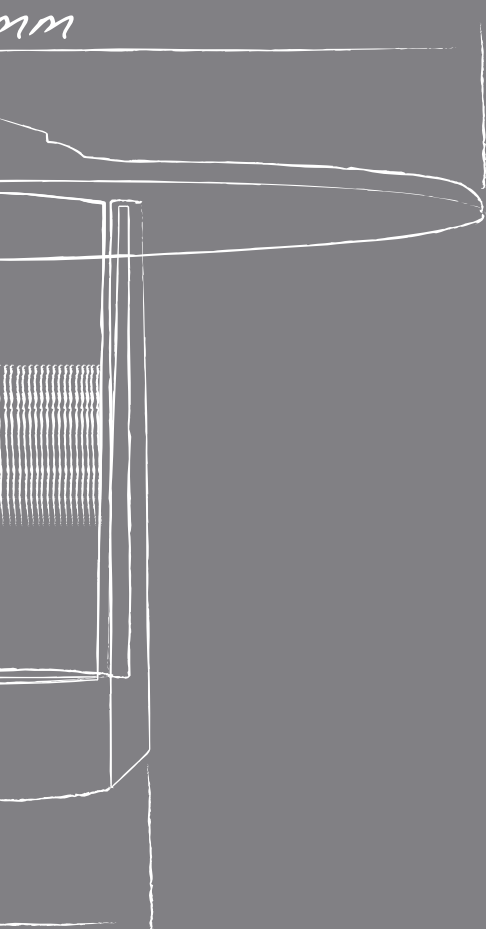
LAMP					
	1 x 50 W HSE-E (SHP) conv.	E27	LR5168	LR5168-C02	LR5168-C03
	1 x 70 W HSE-E (SHP) conv.	E27	LR5170	LR5170-C02	LR5170-C03
	1 x 70 W HIE-CE/S (MH) conv.	E27	LR5176	LR5176-C02	LR5176-C03
	1 x 35 W HIT-CE (MH) conv.	G12	LR5180	LR5180-C02	LR5180-C03
	1 x 70 W HIT-CE (MH) conv.	G12	LR5178	LR5178-C02	LR5178-C03

Tamperproof screw option: add -VAV to product code.

Tamperproof tool see pages 204-205.







OUTDOOR:

BOLLARDS
AND
POST-TOPS

mm





ROC

Specifications:

- New generation of aesthetic, vandal-resistant, quartz-coated concrete bollards
- Impact resistance up to 120 joules
- Anti-graffiti coating
- Weight: 90 kg
- Resistant to toppling (steel base plate or root mounted option)
- Non-porous and frost-resistant material
- Resin door: 85 x 400 mm (optional)
- Dimensions of base plate: 400 x 400 mm (pitch 300 x 300 mm)
- Dimensions for root mounting: 400 mm depth (root mounted)
- Earthing required
- Exists in single-sided version (one luminaire) or double-sided (two luminaires)

Only suitable for Rondino, Aki, Akita, Rueda light fittings.

Light fittings must be ordered separately, in the corresponding colour (black C01 or white C03).



Two finishes:

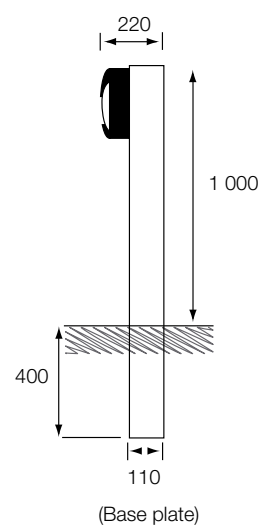
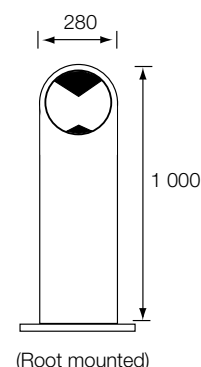
- Black quartz
- White quartz



Easy to clean with water pressure.

Options:
(please contact us)

Special height



Bollards (excluding light fittings)	Code
Black quartz bollard (base plate), no door, single-sided	BO1100
White quartz bollard (base plate), no door, single-sided	BO1110
Black quartz bollard (base plate), with door, single-sided	BO1120
White quartz bollard (base plate), with door, single-sided	BO1130
Black quartz bollard (base plate), no door, double-sided	BO1200
White quartz bollard (base plate), no door, double-sided	BO1210
Black quartz bollard (base plate), with door, double-sided	BO1220
White quartz bollard (base plate), with door, double-sided	BO1230
Black quartz bollard (root mounted), no door, single-sided	BO2100
White quartz bollard (root mounted), no door, single-sided	BO2110
Black quartz bollard (root mounted), with door, single-sided	BO2120
White quartz bollard (root mounted), with door, single-sided	BO2130
Black quartz bollard (root mounted), no door, double-sided	BO2200
White quartz bollard (root mounted), no door, double-sided	BO2210
Black quartz bollard (root mounted), with door, double-sided	BO2220
White quartz bollard (root mounted), with door, double-sided	BO2230



BALIZE / VIGIL

BALIZE / VIGIL



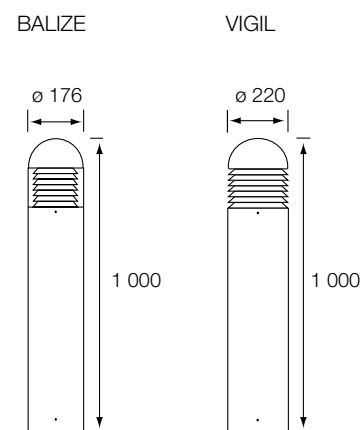
Specifications:

- Vandal-resistant bollards for public areas
- Anti-corrosion aluminium body and grilles
- Polyester powder coating
- UV-stabilised transparent polycarbonate diffuser
- Anodised aluminium louver (BALIZE)
- Stainless steel tamperproof screws
- Silicone gaskets

● Standard colour: black only

Options:
(please contact us)

Special height on request
Standard socket head screws



BALIZE 220-240 V AC / 50 Hz RoHS

LAMP	Code
1 x 27 W CFL E27	LU2500-VAV
1 x 42 W CFL E27	LU2510-VAV
1 x 50 W HSE-E (SHP) E27	LU2540-VAV
1 x 70 W HSE-E (SHP) E27	LU2550-VAV
1 x 70 W HIE-CE/S (MH) E27	LU2560-VAV

N.B.: lamps are included.

VIGIL 220-240 V AC / 50 Hz RoHS

LAMP	Code
1 x 27 W CFL E27	LU2800-VAV
1 x 42 W CFL E27	LU2810-VAV
1 x 50 W HSE-E (SHP) E27	LU2850-VAV
1 x 70 W HSE-E (SHP) E27	LU2860-VAV
1 x 70 W HIE-CE/S (MH) E27	LU2870-VAV

Tamperproof tool: see pages 210-211

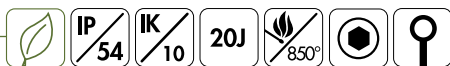


SOLARA

SÉCURLITE

Sales: Malux Finland Oy, P.O.Box 69, FI-06151 Porvoo, Phone +359 19 574 5700, Fax +358 19 574 5750, info@malux.fi, www.malux.fi

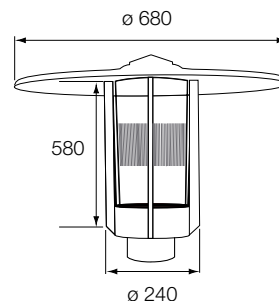
SOLARA



Specifications:

- Post top for 76 mm diameter poles
- Marine grade aluminium body
- Polyester powder coating
- Anodised aluminium louver
- Stainless steel socket head screws
- Silicone gaskets

● Standard colour: black only



220-240 V AC / 50 Hz RoHS

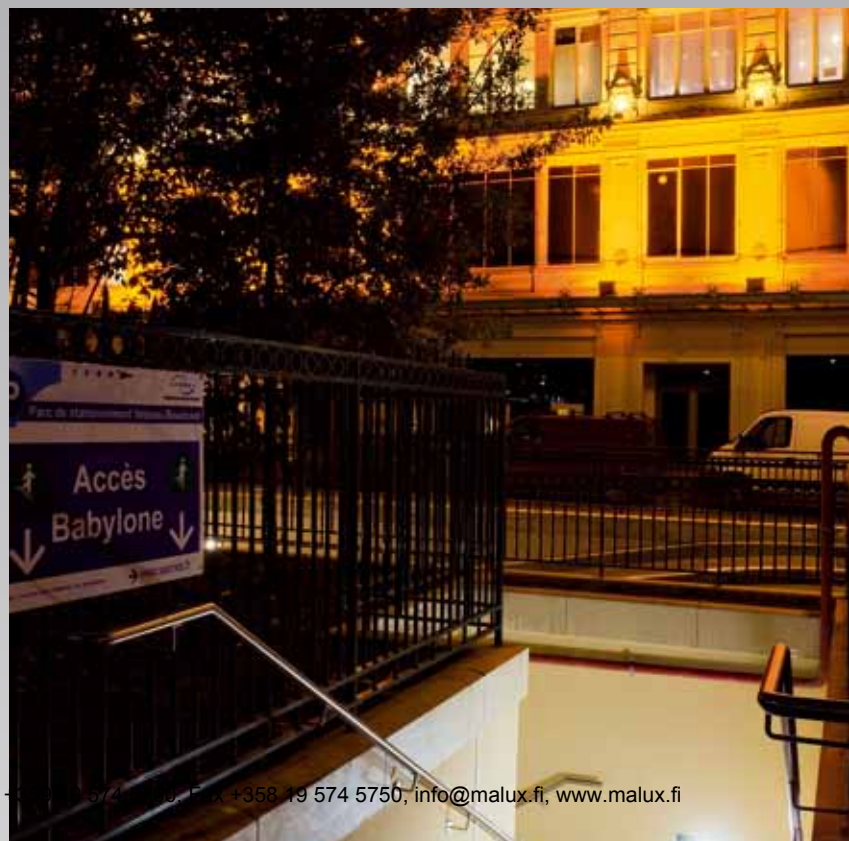
LAMP			Code
	1 x 42 W MAX CFL	E27	LU4000
	1 x 70 W HSE-E (SHP)	E27	LU4030
	1 x 70 W HIE-CE/S (MH)	E27	LU4040

N.B.: lamps are included.

Tamperproof screw option: add -VAV to product code.

Tamperproof tool see pages 204-205.

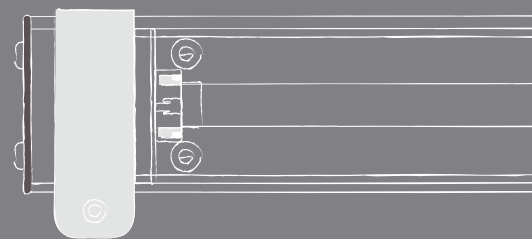
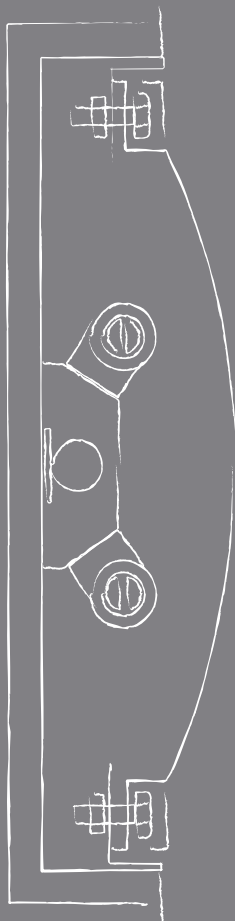
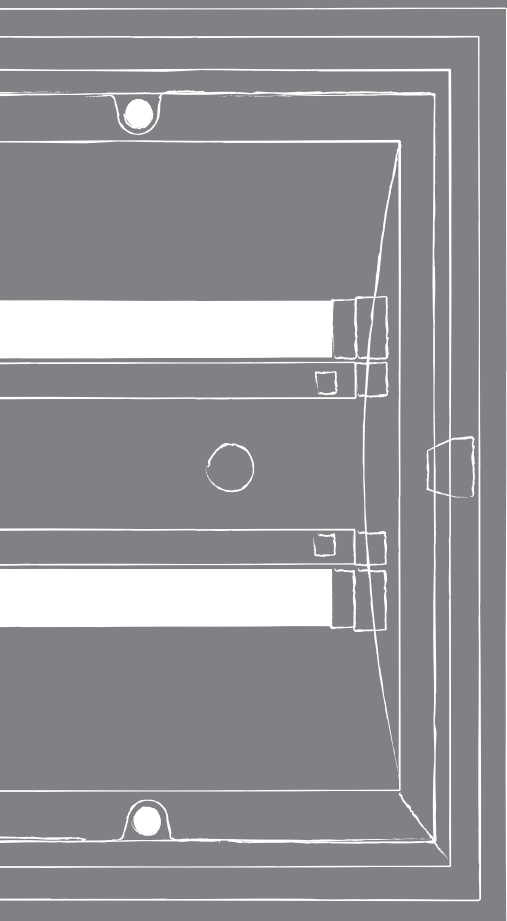
TECH

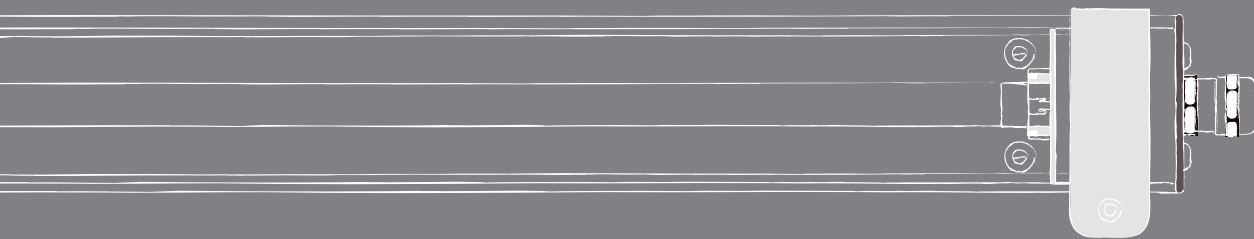


N I C A L

LINEARS

COMPACTS





TECHNICAL: LINEARS



FILA

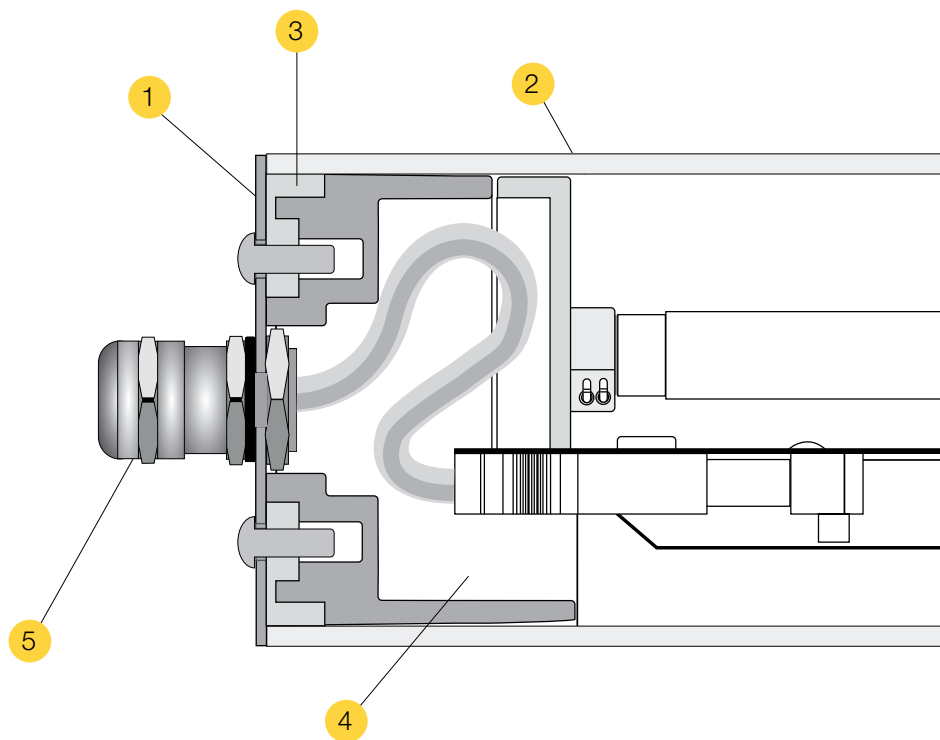
Pure line

Fila is an uncluttered architectural luminaire, designed for lighting public areas and highlighting building facades.

Highly resistant due to its IK10+/80 joule diffuser, highly elegant due to its polished stainless steel end pieces and its white polycarbonate internal parts, Fila is a luminaire designed for both new LED sources and dimmable fluorescence.



- 1 Polished stainless steel end pieces for greater resistance
- 2 Clear or opalescent polycarbonate diffuser up to 4 mm thick
- 3 Moulded silicone gasket IP67
- 4 Polyamide decorative cover to hide internal connections
- 5 M20 cable gland (nickel-plated brass)



Fila 70 without support brackets

Support brackets for Fila

Fila 70 option pre-wired with connectors





FILA



Specifications:

- Weather and vandal resistant linear light fitting
- Two sizes: diameter 70 mm and 100 mm
- Transparent or opal polycarbonate body, thickness 4 mm (ø 70) or 3 mm (ø 100)
- Decorative polyamid internal parts
- Stainless steel end pieces
- Secured by 2 stainless steel socket head screws on each end
- Plug-in terminal block
- Nickel-plated brass cable gland (IP67 ISO M20) at one end
- Stainless steel support brackets with socket head (supports are supplied with light fittings)

Options:
(please contact us)

Asymmetric reflector
Louver
1W or 3W LED night light
Tamperproof screws
Through-wiring
Pre-wired with connectors



LED module:

- 6 x 1.5 W LED module
- Mounted on aluminium heat dissipation plate
- Average colour temperature: 3800 K / IRC (Ra) > 80
- LED power supply: constant voltage 24 V DC
- Total module power: 9.50 W
- Average service life 50000 hours at 25 °C ambient temperature



Corridor function:

By default, the Corridor function provides standby lighting by reducing the luminous flux to 10% of its rated value.
On request, we can also preset the fittings to operate with a switch-off warning signal, i.e. to reduce then stop the luminous flux.

Light fittings without built-in motion sensor:

The Corridor function can be activated by another master luminaire, a remote detector, a timer switch or a daylight sensor.



Dimmable fluorescence (EEI = A1):

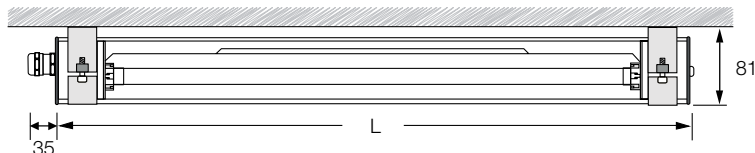
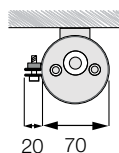
Three types of controls are included in the same dimmable HF ballast: DALI, DSI, or SWITCH-DIM (momentary push-button switch operated).



HF ballast (EEI = A2):

- Warm cathode HF ballast
- Non dimmable
- Power factor cos phi > 0.95

FILA 70



LED (excluding power supply)

24 V DC RoHS

	Number of 6 x LED modules	Wattage	Length L (mm)	Power supply	Clear diffuser + optics	Opal diffuser
	2	19 W	715	A	LF1502	LF2502
	3	28,5 W	965	B	LF1503	LF2503
	4	38 W	1 225	C	LF1504	LF2504
	5	47,5 W	1 475	D	LF1505	LF2505
	6	57 W	1 725	D	LF1506	LF2506

REMOTE POWER SUPPLY FOR LED

220-240 V AC / 50 Hz RoHS

MODULE	Length x Width x Height (mm)	Code
A: 20 W power supply 24V-DC	149 x 39 x 28	CONV0220
B: 30 W power supply 24V-DC	145 x 47 x 30	CONV0230
C: 45 W power supply 24V-DC	181 x 62 x 35	CONV0235
D: 60 W power supply 24V-DC	181 x 62 x 35	CONV0240

HF FLUORESCENCE

220-240 V AC / 50 Hz RoHS

LAMP			Length L (mm)	Clear diffuser	Opal diffuser
	1 x 18 W T8	G13	712	LF1118	LF2118
	1 x 36 W T8	G13	1 322	LF1136	LF2136
	1 x 58 W T8	G13	1 622	LF1158	LF2158
	1 x 14 W-24 W T5	G5	670	LF1114	LF2114
	1 x 21 W-39 W T5	G5	970	LF1121	LF2121
	1 x 28 W-54 W T5	G5	1 270	LF1128	LF2128
	1 x 35 W-49 W T5	G5	1 570	LF1135	LF2135

DALI DIMMABLE FLUORESCENCE + CORRIDOR FUNCTION⁽¹⁾

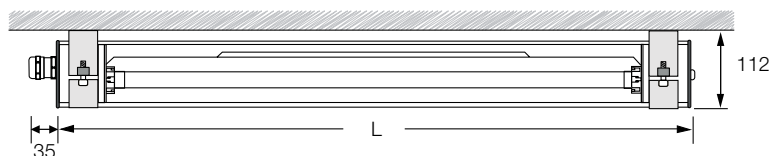
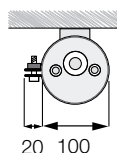
220-240 V AC / 50 Hz RoHS

LAMP			Length L (mm)	Clear diffuser	Opal diffuser
	1 x 36W T8	G13	1322	LF1136-BHD	LF2136-BHD
	1 x 58W T8	G13	1622	LF1158-BHD	LF2158-BHD
	1 x 14W-24W T5	G5	670	LF1114-BHD	LF2114-BHD
	1 x 21W-39W T5	G5	970	LF1121-BHD	LF2121-BHD
	1 x 28W-54W T5	G5	1270	LF1128-BHD	LF2128-BHD
	1 x 35W-49W T5	G5	1570	LF1135-BHD	LF2135-BHD

(1) Requires external control (remote motion sensor or other master luminaire, etc.) to activate the Corridor function.

SUPPORT BRACKETS	Code
Stainless steel support bracket for Fila 70 mm (per unit)	PLF1010
Stainless steel support bracket for Fila 100 mm (per unit)	PLF5010

FILA 100



LED (built-in power supply)

220-240 V AC / 50 Hz RoHS

	Number of 6 x LED modules	Wattage	Length L (mm)	Clear diffuser + optics	Opal diffuser
	2	23 W	715	LF5502	LF6502
	3	34,5 W	965	LF5503	LF6503
	4	46 W	1225	LF5504	LF6504
	5	57,5 W	1475	LF5505	LF6505
	6	69 W	1725	LF5506	LF6506

FLUORESCENCE (HF)

220-240 V AC / 50 Hz RoHS

	LAMP		Length L (mm)	Clear diffuser	Opal diffuser
	1 x 18 W T8	G13	712	LF5118	LF6118
	2 x 18 W T8	G13	712	LF5218	LF6218
	1 x 36 W T8	G13	1 322	LF5136	LF6136
	2 x 36 W T8	G13	1 322	LF5236	LF6236
	1 x 58 W T8	G13	1 622	LF5158	LF6158
	2 x 58 W T8	G13	1 622	LF5258	LF6258
	1 x 14 W-24 W T5	G5	670	LF5114	LF6114
	2 x 14 W-24 W T5	G5	670	LF5214	LF6214
	1 x 21 W-39 W T5	G5	970	LF5121	LF6121
	2 x 21 W-39 W T5	G5	970	LF5221	LF6221
	1 x 28 W-54 W T5	G5	1 270	LF5128	LF6128
	2 x 28 W-54 W T5	G5	1 270	LF5228	LF6228
	1 x 35 W-49 W T5	G5	1 570	LF5135	LF6135
	2 x 35 W-49 W T5	G5	1 570	LF5235	LF6235

DALI DIMMABLE FLUORESCENCE + CORRIDOR FUNCTION⁽¹⁾

220-240 V AC / 50 Hz RoHS

	LAMP		Length L (mm)	Clear diffuser	Opal diffuser
	1 x 18 W T8	G13	712	LF5118-BHD	LF6118-BHD
	2 x 18 W T8	G13	712	LF5218-BHD	LF6218-BHD
	1 x 36 W T8	G13	1 322	LF5136-BHD	LF6136-BHD
	2 x 36 W T8	G13	1 322	LF5236-BHD	LF6236-BHD
	1 x 58 W T8	G13	1 622	LF5158-BHD	LF6158-BHD
	2 x 58 W T8	G13	1 622	LF5258-BHD	LF6258-BHD
	1 x 14 W-24 W T5	G5	670	LF5114-BHD	LF6114-BHD
	2 x 14 W-24 W T5	G5	670	LF5214-BHD	LF6214-BHD
	1 x 21 W-39 W T5	G5	970	LF5121-BHD	LF6121-BHD
	2 x 21 W-39 W T5	G5	970	LF5221-BHD	LF6221-BHD
	1 x 28 W-54 W T5	G5	1 270	LF5128-BHD	LF6128-BHD
	2 x 28 W-54 W T5	G5	1 270	LF5228-BHD	LF6228-BHD
	1 x 35 W-49 W T5	G5	1 570	LF5135-BHD	LF6135-BHD
	2 x 35 W-49 W T5	G5	1 570	LF5235-BHD	LF6235-BHD

⁽¹⁾ Requires external control (remote motion sensor or other master luminaire, etc.) to activate the Corridor function.



ALEANE

ALEANE



Specifications:

- Very slim and vandal-resistant architectural light fitting
- 2 mm-thick steel body protected against corrosion and polyester powder coating, lever-resistant
- 4 mm clear polycarbonate diffuser (fluorescence) or satin opal (LED)
- Symmetrical or asymmetrical reflector
- Anti-vibration buffers under T5 and T8 lamps
- Protected cable entries
- Tamperproof stainless steel screws
- Fixation outside of sealed body

Options:
(please contact us)

Class II
Duroflam® diffuser
Separate circuit
1W or 3W LED night light
Cable trunking
Through-wiring
Dummy bodies and connection parts
45° support brackets

○ RAL9003
Standard colour: white



LED module:

- 6 x 1.5 W LED module
- Mounted on aluminium heat dissipation plate
- Average colour temperature: 3800 K / IRC (Ra) > 80
- LED power supply: constant voltage 24 V DC
- Total module power: 9.50 W
- Average service life 50000 hours at 25 °C ambient temperature



Easy-Sensor® detection:

- 5.8 GHz microwave detector
- 360° detection range
- Sensitivity adjustable from 20 to 100%
- Daylight sensor: adjustable from 5 to 2000 Lux.
- Adjustable timer: 10 seconds to 20 minutes
- Memorisation of settings in case of power failure.
- Maximum load: 500 W (fluorescent and LED), 800 W (incandescent)
- Standby power: 0.9 W ± 10%
- Operating temperature range: - 20 °C to + 70 °C



Motion sensor operation may reduce the life time of fluorescent lamps.
Recommended operating time: 20 min (12 min minimum).



Corridor function:

By default, the Corridor function provides standby lighting by reducing the luminous flux to 10% of its rated value.

On request, we can also preset the fittings to operate with a switch-off warning signal, i.e. to reduce then stop the luminous flux.

Light fittings without built-in motion sensor:

The Corridor function can be activated by another master luminaire, a remote detector, a timer switch or a daylight sensor.



Fluorescence gradable (EEI = A1):

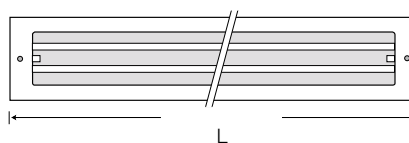
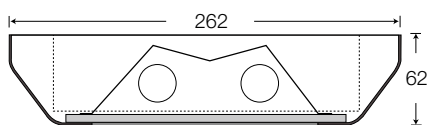
Three types of controls are included in the same dimmable HF ballast: DALI, DSI, or SWITCH-DIM (momentary push-button switch operated).



HF ballast (EEI = A2):

- Warm cathode HF ballast
- Non dimmable
- Power factor cos phi > 0.95

SYMMETRICAL ALEANÉ



LED

220-240 V AC / 50 Hz RoHS

	Number of 6 x LED modules	Wattage	Length L (mm)	Equivalence(*)	Code
	4	46 W	715	2 x 18 W	LD2200
+ detection	4	47 W	715	2 x 18 W	LD2200-DPP
	8	92 W	1 325	2 x 36 W	LD2250
+ detection	8	93 W	1 325	2 x 36 W	LD2250-DPP

(*) Equivalences given for information only.

FLUORESCENCE

220-240 V AC / 50 Hz RoHS

LAMP		Length L (mm)	Conventional ballast	HF ballast	DALI dimming + Corridor function(*)
1 x 18 W T8	G13	715	LD6900	LD6900-BHF	LD6900-BHD
2 x 18 W T8	G13	715	LD6902	LD6902-BHF	LD6902-BHD
1 x 36 W T8	G13	1 325	LD6940	LD6940-BHF	LD6940-BHD
2 x 36 W T8	G13	1 325	LD6942	LD6942-BHF	LD6942-BHD
1 x 14 W-24 W T5	G5	715	-	LD6904	LD6904-BHD
2 x 14 W-24 W T5	G5	715	-	LD6906	LD6906-BHD
1 x 28 W-54 W T5	G5	1 325	-	LD6944	LD6944-BHD
2 x 28 W-54 W T5	G5	1 325	-	LD6946	LD6946-BHD

(*) Requires external control (remote motion sensor or other master luminaire, etc.) to activate the Corridor function.

FLUORESCENCE HF + EASY-SENSOR® DETECTION

220-240 V AC / 50 Hz RoHS

LAMP		Length L (mm)	Detection only	Detection + Corridor function
2 x 18 W T8 + Easy-Sensor® detection	G13	715	LD6902-DPP	LD6902-BHD-DPP
2 x 36 W T8 + Easy-Sensor® detection	G13	1 325	LD6942-DPP	LD6942-BHD-DPP
2 x 14 W-24 W T5 + Easy-Sensor® detection	G5	715	LD6906-DPP	LD6906-BHD-DPP
2 x 28 W-54 W T5 + Easy-Sensor® detection	G5	1 325	LD6946-DPP	LD6946-BHD-DPP



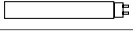
Motion sensor operation may reduce the life time of fluorescent lamps.
Recommended operating time: 20 min (12 min minimum).

Tamperproof tool see pages 204-205.

ASYMMETRICAL ALEANE

FLUORESCENCE

220-240 V AC / 50 Hz    RoHS

LAMP	Length L (mm)	Conventional ballast	HF ballast	DALI dimming + Corridor function (*)
 1 x 18 W T8	G13 715	LD6900-ASY	LD6900-ASY-BHF	LD6900-ASY-BHD
 1 x 36 W T8	G13 1 325	LD6940-ASY	LD6940-ASY-BHF	LD6940-ASY-BHD
 1 x 14 W-24 W T5	G5 715	-	LD6904-ASY	LD6904-ASY-BHD
 1 x 28 W-54 W T5	G5 1 325	-	LD6944-ASY	LD6944-ASY-BHD

(*) Requires external control (remote motion sensor or other master luminaire, etc.) to activate the Corridor function.



TITAN



A range of elegant technical luminaires designed to resist extreme vandalism in public areas.

More light and less maintenance: Titan is the long-term lighting solution that will reassure both local authorities and users of public areas!

NEW!

EXISTING
INSTALLATIONS:

Switch to LED!
see p. 202-203

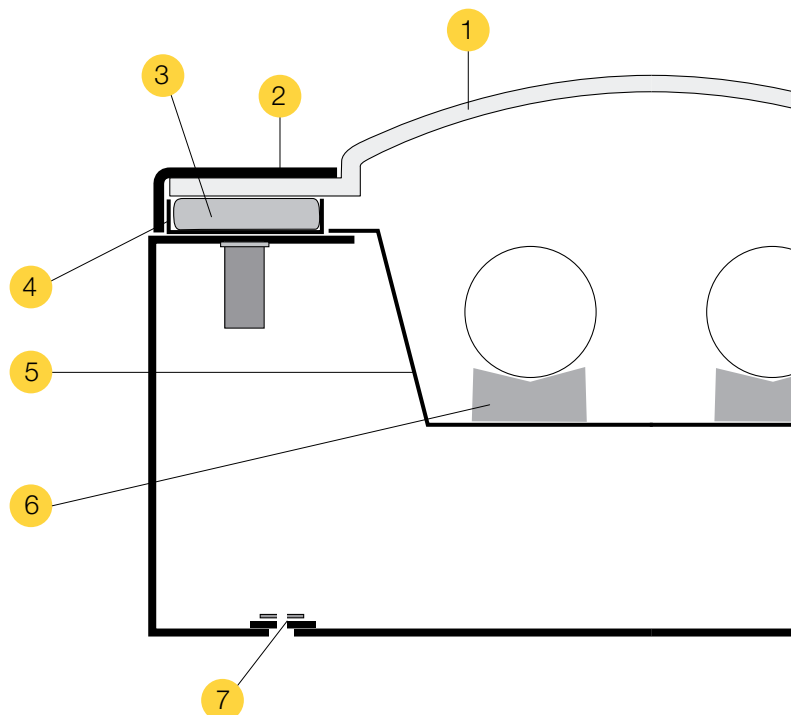
Retrofit LED gear

Existing Titan light fittings can also benefit from LED technology: Simply disconnect the existing fluorescent gear tray and replace it with the appropriate LED gear tray.

And there you go!



- 1 Braced polycarbonate diffuser
- 2 Anti-corrosion steel frame, 2 mm thick
- 3 Gasket compression chamber
- 4 Anti break-in angle profile
- 5 Sliding and removable gear tray
- 6 Anti-vibration buffers
- 7 Sealing washers supplied



More light

LED modules up to 10,000 lumens,
fluorescence T5 and T8 up to 80W.

More savings

Thanks to LED equipment
and light management systems:
motion detection, dimming, etc.

More resistance

Up to 120 joules.
Thanks to the steel body, the braced
diffuser and the anti-vibration buffers
under the lamps.

More life time

With power LED and professional power
supplies designed to last 50000 hours
or a minimum of 10 years (10 hours a day).





WALL-MOUNTED AND RECESSED TITAN

TITAN C95 / TITAN E



Specifications:

- Luminaire resistant to extreme vandalism
- Wall-mounted version (Titan C95) or recessed (Titan E)
- 1 mm thick zinc-coated steel body protected against corrosion
- 2 mm thick zinc-coated steel frame protected against corrosion
- Polyester powder coating
- Clear textured polycarbonate diffuser (fluorescence)
- Opal polycarbonate diffuser (LED)
- Tamperproof stainless steel screws

● RAL7016

○ RAL9003
White colour on request

Options:
(please contact us)

Class II
Separate circuit
Duroflam® diffuser
Opal polycarbonate diffuser
1W or 3W LED night light
Built-in microwave motion detection
Daylight sensor (preset to 70 lux)

EXISTING INSTALLATIONS:

Switch to LED!
see p. 202 - 203

LED module:

- 6 x 1.5 W LED module
- Mounted on aluminium heat dissipation plate
- Average colour temperature: 3800 K / IRC (Ra) > 80
- LED power supply: constant voltage 24 V DC
- Total module power: 9.50 W
- Average service life 50000 hours at 25 °C ambient temperature

Corridor function:

By default, the Corridor function provides standby lighting by reducing the luminous flux to 10% of its rated value. On request, we can also preset the fittings to operate with a switch-off warning signal, i.e. to reduce then stop the luminous flux.

Light fittings without built-in motion sensor:
The Corridor function can be activated by another master luminaire, a remote detector, a timer switch or a daylight sensor.

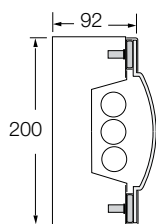
Dimmable fluorescence (EEI = A1):

Three types of controls are included in the samedimmable HF ballast: DALI, DSI, or SWITCH-DIM (momentary push-button switch operated).

HF ballast (EEI = A2):

- Warm cathode HF ballast
- Non dimmable
- Power factor cos phi > 0.95

TITAN C95



LED

220-240 V AC / 50 Hz RoHS

	Number of 6 x LED modules	Wattage	Length (mm)	Equivalence ^(*)	Code
	2	23 W	720	1 x 18 W	LD1100
	4	46 W	720	2 x 18 W	LD1101
	4	46 W	1 330	1 x 36 W	LD1102
	8	92 W	1 330	2 x 36 W	LD1103
	6	69 W	1 630	1 x 58 W	LD1104
	12	138 W	1 630	2 x 58 W	LD1105

(*) Equivalences given for information only.

FLUORESCENCE

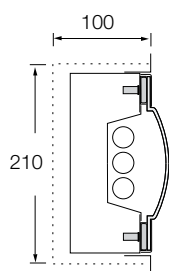
220-240 V AC / 50 Hz RoHS

LAMP			Length (mm)	Conventional ballast	HF ballast	DALI dimming + Corridor function ⁽¹⁾
	1 x 18 W T8	G13	720	LD6455	LD6455-BHF	LD6455-BHD
	2 x 18 W T8	G13	720	LD6454	LD6454-BHF	LD6454-BHD
	1 x 36 W T8	G13	1 330	LD6453	LD6453-BHF	LD6453-BHD
	2 x 36 W T8	G13	1 330	LD6452	LD6452-BHF	LD6452-BHD
	1 x 58 W T8	G13	1 630	LD6451	LD6451-BHF	LD6451-BHD
	2 x 58 W T8	G13	1 630	LD6450	LD6450-BHF	LD6450-BHD
	1 x 14 W-24 W T5	G5	720	-	LD6600	LD6600-BHD
	2 x 14 W-24 W T5	G5	720	-	LD6602	LD6602-BHD
	1 x 28 W-54 W T5	G5	1 330	-	LD6604	LD6604-BHD
	2 x 28 W-54 W T5	G5	1 330	-	LD6606	LD6606-BHD
	1 x 35 W-49 W T5	G5	1 630	-	LD6608	LD6608-BHD
	2 x 35 W-49 W T5	G5	1 630	-	LD6610	LD6610-BHD

(1) Requires external control (remote motion sensor or other master luminaire, etc.) to activate the Corridor function.

Tamperproof tool see pages 204-205.

TITAN E



Recess dimensions:
R x 210 mm x 100 mm

LED

220-240 V AC / 50 Hz RoHS

	Number of 6 x LED modules	Wattage	Length (mm)	Equivalence ^(*)	Code
	2	23 W	730	1 x 18 W	LD1200
	4	46 W	730	2 x 18 W	LD1201
	4	46 W	1 340	1 x 36 W	LD1202
	8	92 W	1 340	2 x 36 W	LD1203
	6	69 W	1 640	1 x 58 W	LD1204
	12	138 W	1 640	2 x 58 W	LD1205

(*) Equivalences given for information only.

FLUORESCENCE

220-240 V AC / 50 Hz RoHS

LAMP			Length (mm)	Conventional ballast	HF ballast	DALI dimming + Corridor function ⁽¹⁾
	1 x 18 W T8	G13	730	LD6475	LD6475-BHF	LD6475-BHD
	2 x 18 W T8	G13	730	LD6474	LD6474-BHF	LD6474-BHD
	1 x 36 W T8	G13	1 340	LD6473	LD6473-BHF	LD6473-BHD
	2 x 36 W T8	G13	1 340	LD6472	LD6472-BHF	LD6472-BHD
	1 x 58 W T8	G13	1 640	LD6477	LD6477-BHF	LD6477-BHD
	2 x 58 W T8	G13	1 640	LD6476	LD6476-BHF	LD6476-BHD
	1 x 14 W-24 W T5	G5	730	-	LD6650	LD6650-BHD
	2 x 14 W-24 W T5	G5	730	-	LD6652	LD6652-BHD
	1 x 28 W-54 W T5	G5	1 340	-	LD6654	LD6654-BHD
	2 x 28 W-54 W T5	G5	1 340	-	LD6656	LD6656-BHD
	1 x 35 W-49 W T5	G5	1 640	-	LD6658	LD6658-BHD
	2 x 35 W-49 W T5	G5	1 640	-	LD6660	LD6660-BHD

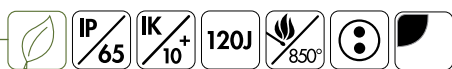
(1) Requires external control (remote motion sensor or other master luminaire, etc.)
to activate the Corridor function.

Tamperproof tool see pages 204-205.



ANGLE MOUNTED TITAN

TITAN A45 / TITAN A30



Specifications:

- Luminaire resistant to extreme vandalism
- Linear versions with 45° angle (Titan A45) and 30° angle (Titan A30)
- 1 mm thick zinc-coated steel body protected against corrosion
- 2 mm thick zinc-coated steel frame protected against corrosion
- Polyester powder coating
- Clear textured polycarbonate diffuser (fluorescence)
- Opal polycarbonate diffuser (LED)
- Tamperproof stainless steel screws

● RAL7016

○ RAL9003
White colour on request

Options:
(please contact us)

Class II
Separate circuit
Duroflam® diffuser
Opal polycarbonate diffuser
1W or 3W LED night light
Built-in microwave motion detection
Daylight sensor (preset to 70 lux)

EXISTING INSTALLATIONS:

Switch to LED!
see p. 202 - 203

LED module:

- 6 x 1.5 W LED module
- Mounted on aluminium heat dissipation plate
- Average colour temperature: 3800 K / IRC (Ra) > 80
- LED power supply: constant voltage 24 V DC
- Total module power: 9.50 W
- Average service life 50000 hours at 25 °C ambient temperature

Corridor function:

By default, the Corridor function provides standby lighting by reducing the luminous flux to 10% of its rated value.
On request, we can also preset the fittings to operate with a switch-off warning signal, i.e. to reduce then stop the luminous flux.

Light fittings without built-in motion sensor:
The Corridor function can be activated by another master luminaire, a remote detector, a timer switch or a daylight sensor.

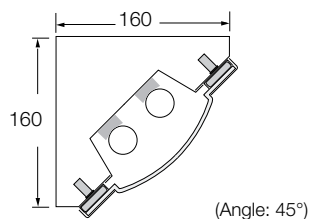
Dimmable fluorescence (EEI = A1):

Three types of controls are included in the samedimmable HF ballast:
DALI, DSI, or SWITCH-DIM (momentary push-button switch operated).

HF ballast (EEI = A2):

- Warm cathode HF ballast
- Non dimmable
- Power factor cos phi > 0.95

TITAN A45



LED

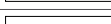
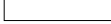
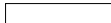
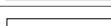
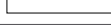
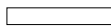
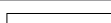
220-240 V AC / 50 Hz RoHS

	Number of 6 x LED modules	Wattage	Length (mm)	Equivalence ^(*)	Code
	2	23 W	720	1 x 18 W	LD1300
	4	46 W	720	2 x 18 W	LD1301
	4	46 W	1 330	1 x 36 W	LD1302
	8	92 W	1 330	2 x 36 W	LD1303
	6	69 W	1 630	1 x 58 W	LD1304
	12	138 W	1 630	2 x 58 W	LD1305

(*) Equivalences given for information only.

FLUORESCENCE

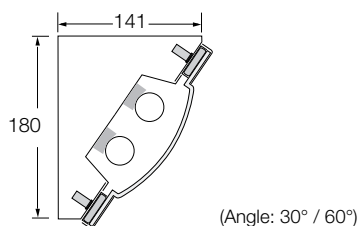
220-240 V AC / 50 Hz RoHS

LAMP			Length L (mm)	Conventional ballast	HF ballast	DALI dimming + Corridor function ⁽¹⁾
	1 x 18 W T8	G13	720	LD6461	LD6461-BHF	LD6461-BHD
	2 x 18 W T8	G13	720	LD6460	LD6460-BHF	LD6460-BHD
	1 x 36 W T8	G13	1 330	LD6459	LD6459-BHF	LD6459-BHD
	2 x 36 W T8	G13	1 330	LD6458	LD6458-BHF	LD6458-BHD
	1 x 58 W T8	G13	1 630	LD6457	LD6457-BHF	LD6457-BHD
	2 x 58 W T8	G13	1 630	LD6456	LD6456-BHF	LD6456-BHD
	1 x 14 W-24 W T5	G5	720	-	LD6500	LD6500-BHD
	2 x 14 W-24 W T5	G5	720	-	LD6502	LD6502-BHD
	1 x 28 W-54 W T5	G5	1 330	-	LD6504	LD6504-BHD
	2 x 28 W-54 W T5	G5	1 330	-	LD6506	LD6506-BHD
	1 x 35 W-49 W T5	G5	1 630	-	LD6508	LD6508-BHD
	2 x 35 W-49 W T5	G5	1 630	-	LD6510	LD6510-BHD

(1) Requires external control (remote motion sensor or other master luminaire, etc.) to activate the Corridor function.

Tamperproof tool see pages 204-205.

TITAN A30



LED

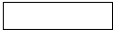
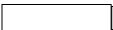
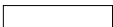
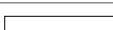
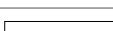
220-240 V AC / 50 Hz RoHS

	Number of 6 x LED modules	Wattage	Length (mm)	Equivalence ^(*)	Code
	2	23 W	720	1 x 18 W	LD1400
	4	46 W	720	2 x 18 W	LD1401
	4	46 W	1 330	1 x 36 W	LD1402
	8	92 W	1 330	2 x 36 W	LD1403
	6	69 W	1 630	1 x 58 W	LD1404
	12	138 W	1 630	2 x 58 W	LD1405

(*) Equivalences given for information only.

FLUORESCENCE

220-240 V AC / 50 Hz RoHS

LAMP			Length L (mm)	Conventional ballast	HF ballast	DALI dimming + Corridor function ⁽¹⁾
	1 x 18 W T8	G13	720	LD6449	LD6449-BHF	LD6449-BHD
	2 x 18 W T8	G13	720	LD6448	LD6448-BHF	LD6448-BHD
	1 x 36 W T8	G13	1 330	LD6447	LD6447-BHF	LD6447-BHD
	2 x 36 W T8	G13	1 330	LD6446	LD6446-BHF	LD6446-BHD
	1 x 58 W T8	G13	1 630	LD6445	LD6445-BHF	LD6445-BHD
	2 x 58 W T8	G13	1 630	LD6444	LD6444-BHF	LD6444-BHD
	1 x 14 W-24 W T5	G5	720	-	LD6550	LD6550-BHD
	2 x 14 W-24 W T5	G5	720	-	LD6552	LD6552-BHD
	1 x 28 W-54 W T5	G5	1 330	-	LD6554	LD6554-BHD
	2 x 28 W-54 W T5	G5	1 330	-	LD6556	LD6556-BHD
	1 x 35 W-49 W T5	G5	1 630	-	LD6558	LD6558-BHD
	2 x 35 W-49 W T5	G5	1 630	-	LD6560	LD6560-BHD

(1) Requires external control (remote motion sensor or other master luminaire, etc.) to activate the Corridor function.

Tamperproof tool see pages 204-205.



WALL-MOUNTED AND RECESSED EPURE

EPURE



Specifications:

- Slim and vandal-resistant luminaire
- Wall-mounted (A) or recessed (E) version
- Zinc-coated steel body protected against corrosion, 1 mm thick
- Polyester powder coating
- Braced 4 mm thick opal polycarbonate diffuser
- Removable gear tray with HF ballast
- Tamperproof stainless steel screws

Options:
(please contact us)

Class II
Separate circuit
1W or 3W LED night light
Built-in microwave motion detection
Daylight sensor (preset to 70 lux)

○ RAL9003
White (standard version)



Function Corridor:

By default, the Corridor function provides standby lighting by reducing the luminous flux to 10% of its rated value.

On request, we can also preset the fittings to operate with a switch-off warning signal, i.e. to reduce then stop the luminous flux.

Light fittings without built-in motion sensor:

The Corridor function can be activated by another master luminaire, a remote detector, a timer switch or a daylight sensor.



Dimmable fluorescence (EEI = A1):

Three types of controls are included in the same dimmable HF ballast: DALI, DSI, or SWITCH-DIM (momentary push-button switch operated). Corridor function included: see pages 21-22.

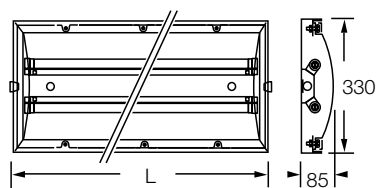


HF ballast (EEI = A2):

- Warm cathode HF ballast
- Non dimmable
- Power factor $\cos \phi > 0.95$

EPURE A

WALL-MOUNTED



FLUORESCENCE

220-240 V AC / 50 Hz RoHS

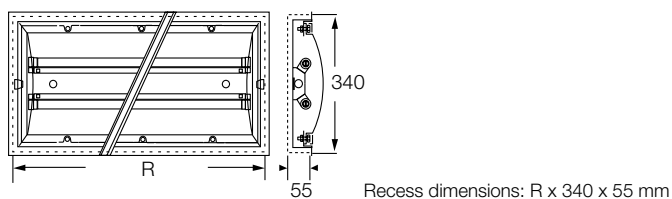
	LAMP		Length L (mm)	HF ballast	DALI dimming + Corridor function(*)
	2 x 18 W T8	G13	675	EP2218	EP2218-BHD
	2 x 36 W T8	G13	1 350	EP2236	EP2236-BHD
	2 x 24 W T5	G5	675	EP2224	EP2224-BHD
	2 x 54 W T5	G5	1 350	EP2254	EP2254-BHD

(*) Requires external control (remote motion sensor or other master luminaire, etc.)
to activate the Corridor function.

Tamperproof tool see pages 204-205.

EPURE E

RECESSED



FLUORESCENCE

220-240 V AC / 50 Hz RoHS

	LAMP		Length R (mm)	HF ballast	DALI dimming + Corridor function(*)
	2 x 18 W T8	G13	685	EP2418	EP2418-BHD
	2 x 36 W T8	G13	1 360	EP2436	EP2436-BHD
	2 x 24 W T5	G5	685	EP2424	EP2424-BHD
	2 x 54 W T5	G5	1 360	EP2454	EP2454-BHD

(*) Requires external control (remote motion sensor or other master luminaire, etc.) to activate the Corridor function.

Tamperproof tool see pages 204-205.





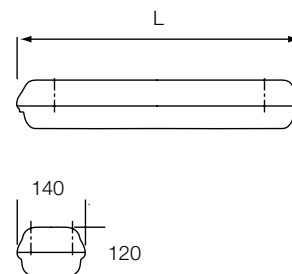
NAVILITE

NAVILITE



Specifications:

- Vandal and weather resistant linear light fitting
- Marine grade LM20 aluminium body
- Polyester powder coating
- Clear polycarbonate diffuser
- EPDM gasket
- Anti-vibration buffers
- Ø 20 mm threaded cable entries at each end
- Stainless steel and countersunk socket head screws



● RAL830-1 (light grey)

Options:
(please contact us)

LED version with optics
Class II
Separate circuit
1W or 3W LED night light
Built-in microwave motion detection
Tamperproof screws



Dimmable fluorescence (EEI = A1):

Three types of controls are included in the same dimmable HF ballast:
DALI, DSI, or SWITCH-DIM (momentary push-button switch operated).
Corridor function included: see pages 21-22.



HF ballast (EEI = A2):

- Warm cathode HF ballast
- Non dimmable
- Power factor $\cos \phi > 0.95$

FLUORESCENCE

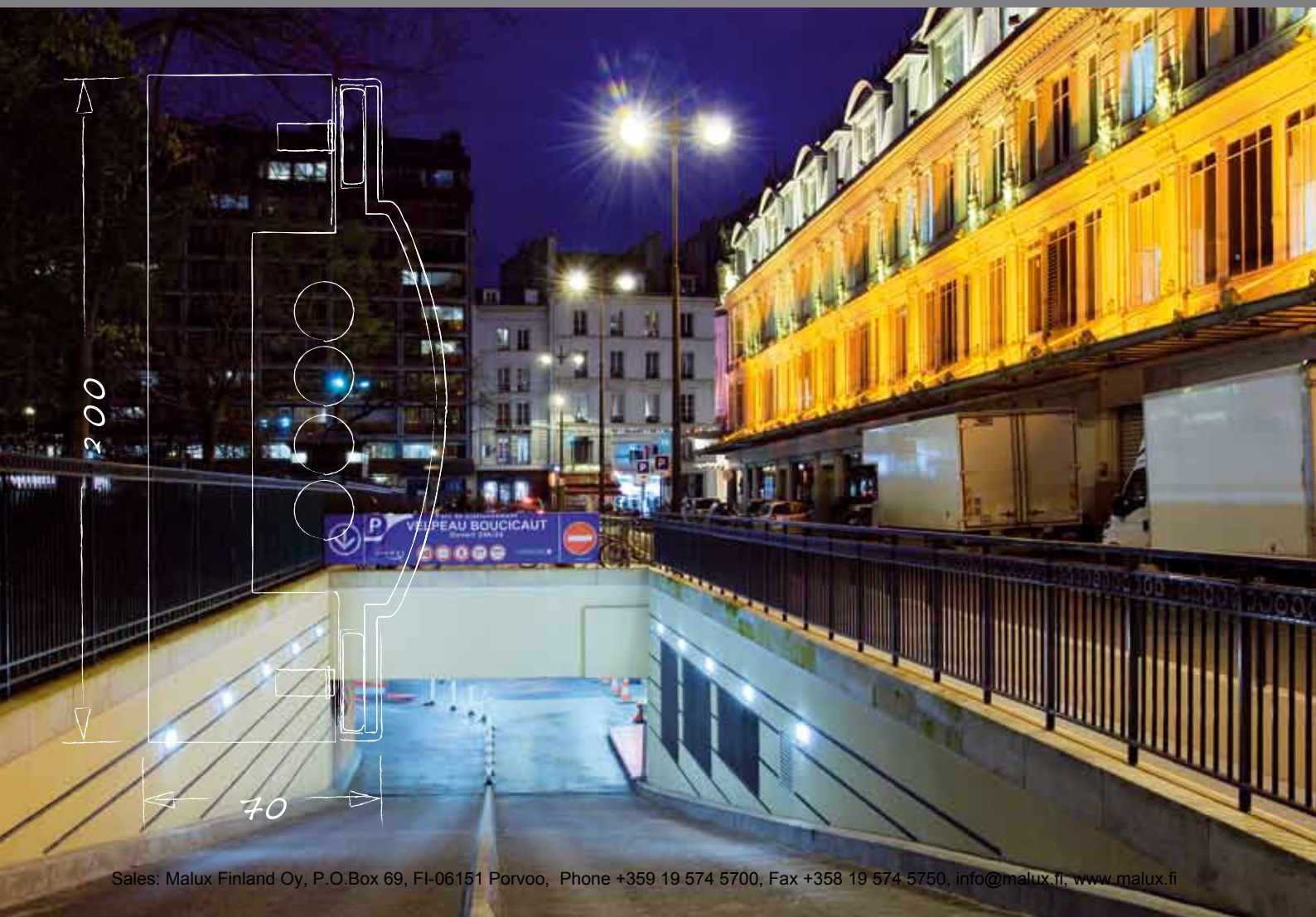
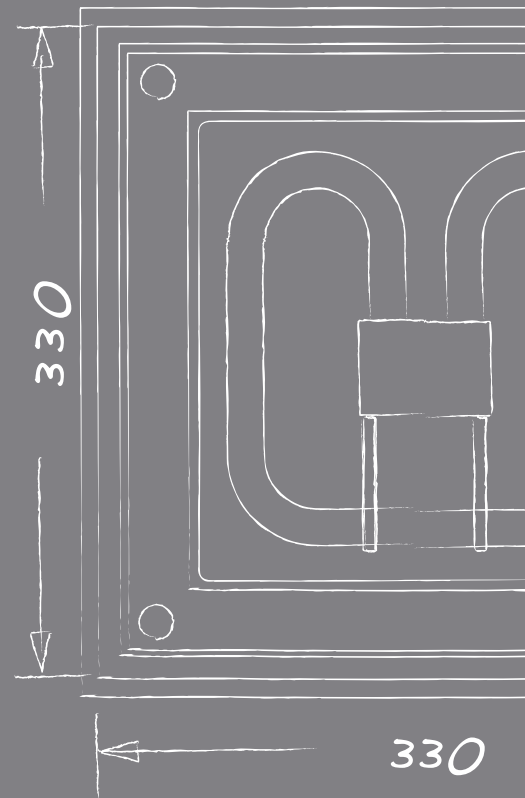
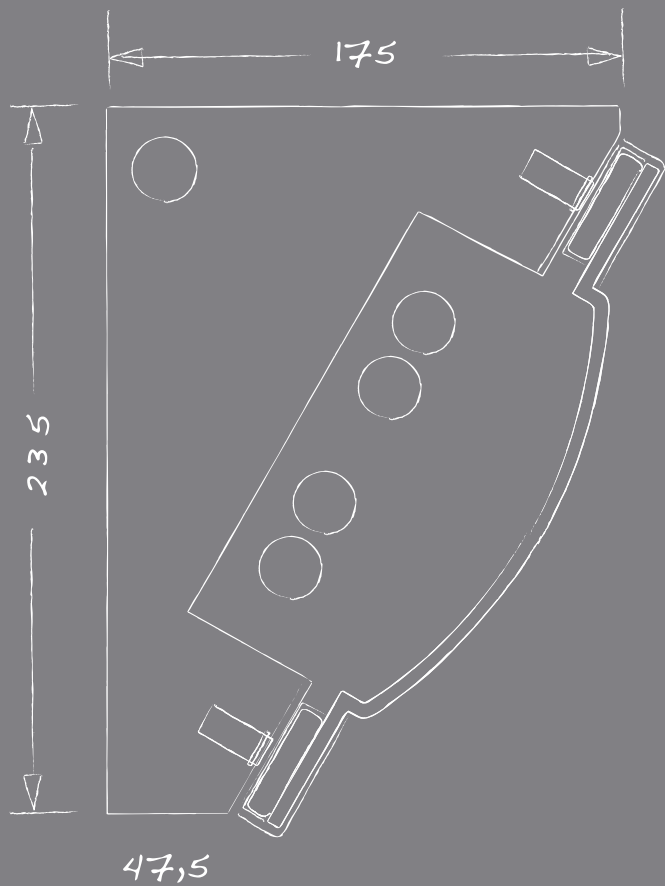
220-240 V AC / 50 Hz RoHS

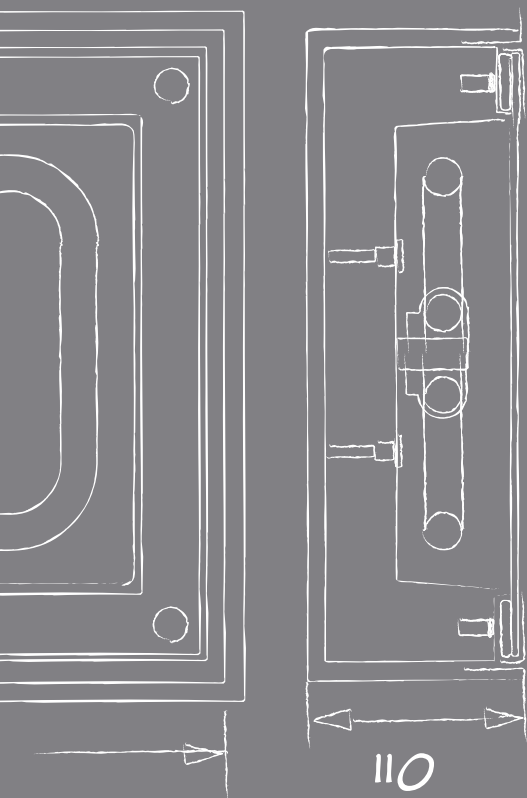
LAMP			Length L (mm)	Conventional ballast	HF ballast	DALI dimming + Corridor function ^(*)
	1 x 18 W T8	G13	700	LP7119	LP7119-BHF	LP7119-BHD
	1 x 36 W T8	G13	1 310	LP7137	LP7137-BHF	LP7137-BHD
	2 x 18 W T8	G13	700	LP7219	LP7219-BHF	LP7219-BHD
	2 x 36 W T8	G13	1 310	LP7237	LP7237-BHF	LP7237-BHD
	1 x 14 W-24 W T5	G5	700	-	LP6114	LP6114-BHD
	1 x 28 W-54 W T5	G5	1 310	-	LP6128	LP6128-BHD
	2 x 14 W-24 W T5	G5	700	-	LP6214	LP6214-BHD
	2 x 28 W-54 W T5	G5	1 310	-	LP6228	LP6228-BHD

(*) Requires external control (remote motion sensor or other master luminaire, etc.)
to activate the Corridor function.

Tamperproof screw option: add -VAV to product code.

Tamperproof tool see pages 204-205.





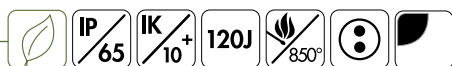
TECHNICAL: COMPACTS





TITAN S2

TITAN S2



Specifications:

- High wattage angle light fitting
- 1 mm thick zinc-coated steel body protected against corrosion
- 2 mm thick zinc-coated steel frame protected against corrosion
- Polyester powder coating
- Clear textured polycarbonate diffuser (fluorescence)
- Opal polycarbonate diffuser (LED)
- Tamperproof stainless steel screws

● RAL7016

○ RAL9003
White colour on request

Options:
(please contact us)

Class II
Duroflam® diffuser
Opal polycarbonate diffuser
Separate circuit
Built-in microwave motion detection
Daylight sensor (preset to 70 lux)

EXISTING INSTALLATIONS:

Switch to LED!
see p. 208 - 209

LED module:



- 9 x 1.2 W LED module or 12 x 1.5 W LED module
- Mounted on aluminium heat dissipation plate
- Average colour temperature: 3800 K / IRC (Ra) > 80
- Constant LED power supply: 24 V DC (12 x LED) or 350 mA (9 x LED)
- Average service life 50000 hours at 25 °C ambient temperature
- Standby mode: flux reduced to 20% in case of non-detection of occupation

Easy-Sensor® detection:



- 5.8 GHz microwave detector
- 360° detection range
- Sensitivity adjustable from 20 to 100%
- Daylight sensor: adjustable from 5 to 2000 Lux.
- Adjustable timer: 10 seconds to 20 minutes
- Memorisation of settings in case of power failure.
- Maximum load: 500 W (fluorescent and LED), 800 W (incandescent)
- Standby power: 0.9 W ± 10%
- Operating temperature range: - 20 °C to + 70 °C



Motion sensor operation may reduce the life time of fluorescent lamps.
Recommended operating time: 20 min (12 min minimum).

Dimmable fluorescence (EEI = A1):



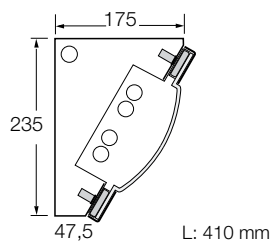
Three types of controls are included in the same dimmable HF ballast:
DALI, DSI, or SWITCH-DIM (momentary push-button switch operated).
Corridor function included: see pages 21-22.

HF ballast (EEI = A2):



- Warm cathode HF ballast
- Non dimmable
- Power factor cos phi > 0.95

TITAN S2



LED

220-240 V AC / 50 Hz RoHS

LAMP	Wattage	Equivalence ^(*)	Code
2 modules LED 9 x 1.2 W	26 W	2 x 18 W	LD1501
2 modules LED 9 x 1.2 W + Easy-Sensor [®]	27 W	2 x 18 W	LD1506
2 modules LED 12 x 1.5 W	40 W	2 x 26 W	LD1502
2 modules LED 12 x 1.5 W + 20% standby ⁽¹⁾	40 W	2 x 26 W	LD1503
2 modules LED 12 x 1.5 W + Easy-Sensor [®]	40 W	2 x 26 W	LD1504
2 modules LED 12 x 1.5 W + Easy-Sensor [®] + 20% standby	41 W	2 x 26 W	LD1505

(1) Operates with remote sensor or other master luminaire.

(*) Equivalences given for information only.

FLUORESCENCE

220-240 V AC / 50 Hz RoHS

LAMP	Conventional ballast	HF ballast	DALI dimming + Corridor function ^(*)
1 x 18 W TC-L 2G11	LD4462	LD4462-BHF	LD4462-BHD
2 x 18 W TC-L 2G11	LD4438	LD4438-BHF	LD4438-BHD
1 x 24 W TC-L 2G11	LD4463	LD4463-BHF	LD4463-BHD
2 x 24 W TC-L 2G11	LD4437	LD4437-BHF	LD4437-BHD

(*) Requires external control (remote motion sensor or other master luminaire, etc.) to activate the Corridor function.

SODIUM / METAL HALIDE

220-240 V AC / 50 Hz RoHS

LAMP	Conventional ballast
1 x 50W HSE-E (SHP) E27	LD4467
1 x 70W HSE-E (SHP) E27	LD4468
1 x 35W HIE-CE-P (MH) E27	LD4473
1 x 70W HIE-CE/S (MH) E27	LD4471
1 x 70W HIT-CE (MH) G12	LD4472

Tamperproof tool see pages 204-205.





TITAN S3/S4

TITAN S3 / S4



Caractéristiques:

- High wattage vandal-resistant light fitting
- Wall-mounted version (S3) or recessed (S4)
- 1 mm thick zinc-coated steel body protected against corrosion
- 2 mm thick zinc-coated steel frame protected against corrosion
- Polyester powder coating
- Clear textured polycarbonate diffuser (fluorescence)
- Opal polycarbonate diffuser (LED)
- Tamperproof stainless steel screws

● RAL7016

○ RAL9003
White colour on request

Options:
(please contact us)

Class II
Duroflam® diffuser
Opal polycarbonate diffuser
Separate circuit
Built-in microwave motion detection
Daylight sensor (preset to 70 lux)

EXISTING INSTALLATIONS:

Switch to LED!
see p. 202 - 203

LED module:

- 9 x 1.2 W LED module or 12 x 1.5 W LED module
- Mounted on aluminium heat dissipation plate
- Average colour temperature: 3800 K / IRC (Ra) > 80
- Constant LED power supply: 24 V DC (12 x LED) or 350 mA (9 x LED)
- Average service life 50000 hours at 25 °C ambient temperature
- Standby mode: flux reduced to 20% in case of non-detection of occupation

Easy-Sensor® detection:

- 5.8 GHz microwave detector
- 360° detection range
- Sensitivity adjustable from 20 to 100%
- Daylight sensor: adjustable from 5 to 2000 Lux
- Adjustable timer: 10 seconds to 20 minutes
- Memorisation of settings in case of power failure.
- Maximum load: 500 W (fluorescent and LED), 800 W (incandescent)
- Standby power: 0.9 W ± 10%
- Operating temperature range: - 20 °C to + 70 °C



Motion sensor operation may reduce the life time of fluorescent lamps.
Recommended operating time: 20 min (12 min minimum).

Dimmable fluorescence (EEI = A1):

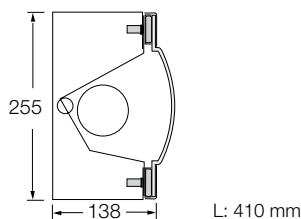
Three types of controls are included in the same dimmable HF ballast:
DALI, DSI, or SWITCH-DIM (momentary push-button switch operated).
Corridor function included: see pages 21-22.

HF ballast (EEI = A2):

- Warm cathode HF ballast
- Non dimmable
- Power factor cos phi > 0.95

TITAN S3

TITAN S3



LED

220-240 V AC / 50 Hz RoHS

	LAMP	Wattage	Equivalence ^(*) 	Code
	2 modules LED 9 x 1,2 W	26 W	2 x 18 W	LD1601
	2 modules LED 9 x 1,2 W + Easy-Sensor®	27 W	2 x 18 W	LD1606
	2 modules LED 12 x 1,5 W	40 W	2 x 26 W	LD1602
	2 modules LED 12 x 1,5 W + 20% standby mode ⁽¹⁾	40 W	2 x 26 W	LD1603
	2 modules LED 12 x 1,5 W + Easy-Sensor®	40 W	2 x 26 W	LD1604
	2 modules LED 12 x 1,5 W + Easy-Sensor® + 20% standby mode	41 W	2 x 26 W	LD1605

(1) Operates with remote sensor or other master luminaire.

(*) Equivalences given for information only

FLUORESCENCE

220-240 V AC / 50 Hz RoHS

	LAMP		Conventional ballast	HF ballast	DALI dimming + Corridor function ^(*)
	1 x 18 W TC-L	2G11	LD4662	LD4662-BHF	LD4662-BHD
	2 x 18 W TC-L	2G11	LD4638	LD4638-BHF	LD4638-BHD
	1 x 24 W TC-L	2G11	LD4663	LD4663-BHF	LD4663-BHD
	2 x 24 W TC-L	2G11	LD4637	LD4637-BHF	LD4637-BHD

(*) Requires external control (remote motion sensor or other master luminaire, etc.) to activate the Corridor function.

SODIUM / METAL HALIDE

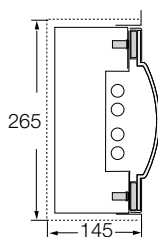
220-240 V AC / 50 Hz RoHS

	LAMP		Conventional ballast
	1 x 50 W HSE-E (SHP)	E27	LD4667
	1 x 70 W HSE-E (SHP)	E27	LD4668
	1 x 35 W HIE-CE-P (MH)	E27	LD4673
	1 x 70 W HIE-CE/S (MH)	E27	LD4671
	1 x 70 W HIT-CE (MH)	G12	LD4672

Tamperproof tool see pages 204-205.

TITAN S4

TITAN S4



Recess dimensions:
L: 420 mm
I: 265 mm
P: 145 mm

LED

220-240 V AC / 50 Hz RoHS

	LAMP	Wattage	Equivalence ^(*) 	Code
	2 modules LED 9 x 1,2 W	26 W	2 x 18 W	LD1701
	2 modules LED 9 x 1,2 W + Easy-Sensor®	27 W	2 x 18 W	LD1706
	2 modules LED 12 x 1,5 W	40 W	2 x 26 W	LD1702
	2 modules LED 12 x 1,5 W + 20% standby mode ⁽¹⁾	40 W	2 x 26 W	LD1703
	2 modules LED 12 x 1,5 W + Easy-Sensor®	40 W	2 x 26 W	LD1704
	2 modules LED 12 x 1,5 W + Easy-Sensor® + 20% standby mode	41 W	2 x 26 W	LD1705

(1) Operates with remote sensor or other master luminaire.

(*) Equivalences given for information only.

FLUORESCENCE

220-240 V AC / 50 Hz RoHS

	LAMP		Conventional ballast	HF ballast	DALI dimming + Corridor function ^(*)
	1 x 18 W TC-L	2G11	LD4562	LD4562-BHF	LD4562-BHD
	2 x 18 W TC-L	2G11	LD4538	LD4538-BHF	LD4538-BHD
	1 x 24 W TC-L	2G11	LD4563	LD4563-BHF	LD4563-BHD
	2 x 24 W TC-L	2G11	LD4537	LD4537-BHF	LD4537-BHD

(*) Requires external control (remote motion sensor or other master luminaire, etc.) to activate the Corridor function.

SODIUM / METAL HALIDE

220-240 V AC / 50 Hz RoHS

	LAMP		Conventional ballast
	1 x 50 W HSE-E (SHP)	E27	LD4567
	1 x 70 W HSE-E (SHP)	E27	LD4568
	1 x 35 W HIE-CE-P (MH)	E27	LD4573
	1 x 70 W HIE-CE/S (MH)	E27	LD4571
	1 x 70 W HIT-CE (MH)	G12	LD4572

Tamperproof tool see pages 204-205.



WALL-MOUNTED AND RECESSED VAUBAN



Specifications:

- Slim and architectural light fitting
- Wall-mounted (A) or recessed (E) version
- 1 mm thick zinc-coated steel body protected against corrosion
- 2 mm thick zinc-coated steel frame protected against corrosion
- Polyester powder coating
- Clear textured polycarbonate diffuser (fluorescence)
- Opal polycarbonate diffuser (LED)
- Tamperproof stainless steel screws

● RAL7016

○ RAL9003
White colour on request

Options:
(please contact us)

Class II
Opal diffuser
1W or 3W LED night light
Separate circuit
Built-in microwave motion detection
Daylight sensor (preset to 70 lux)

EXISTING INSTALLATIONS:

Switch to LED!
see p. 202 - 203

LED module:

- 6 x 1.5 W LED module
- Mounted on aluminium heat dissipation plate
- Average colour temperature: 3800 K / IRC (Ra) > 80
- LED power supply: constant voltage 24 V DC
- Total module power: 9.50 W
- Average service life 50000 hours at 25 °C ambient temperature

Dimmable fluorescence (EEI = A1):

Three types of controls are included in the same dimmable HF ballast:
DALI, DSI, or SWITCH-DIM (momentary push-button switch operated).
Corridor function included: see pages 21-22.

HF ballast (EEI = A2):

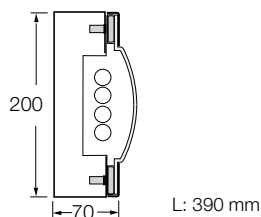
- Warm cathode HF ballast
- Non dimmable
- Power factor cos phi > 0.95

LED version: opal diffuser



VAUBAN A

WALL-MOUNT



LED

220-240 V AC / 50 Hz RoHS

LAMP	Wattage	Equivalence ^(*)	Code
2 x 6 LED 1,5 W	23 W	26 W	LD1800

(*) Equivalences given for information only.

FLUORESCENCE

220-240 V AC / 50 Hz RoHS

LAMP	Conventional ballast	HF ballast	DALI dimming + Corridor function ^(*)
1 x 24 W TC-F	2G10	LD6251	LD6251-BHD
1 x 36 W TC-F	2G10	LD6252	LD6252-BHD
1 x 11 W TC-S	G23	LD6280	-
1 x 11 W TC-SE	2G7	-	LD6280-BHD
2 x 11 W TC-S	G23	LD6281	-
2 x 11 W TC-SE	2G7	-	LD6281-BHD
1 x 18 W TC-L	2G11	LD6282	LD6282-BHD

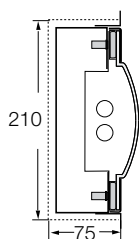
(*) Requires external control (remote motion sensor or other master luminaire, etc.) to activate the Corridor function.

Tamperproof tool see pages 204-205.



VAUBAN E

RECESSED



Recess dimensions:
L: 400 mm
I: 210 mm
P: 75 mm

LED

220-240 V AC / 50 Hz RoHS

LAMP	Wattage	Equivalence ^(*)	Code
2 x 6 LED 1,5 W	23 W	26 W	LD1900

(*) Equivalences given for information only.

FLUORESCENCE

220-240 V AC / 50 Hz RoHS

LAMP		Conventional ballast	HF ballast	DALI dimming + Corridor function ^(*)
1 x 24 W TC-F	2G10	LD6256	LD6256-BHF	LD6256-BHD
1 x 36 W TC-F	2G10	LD6257	LD6257-BHF	LD6257-BHD
1 x 11 W TC-S	G23	LD6285	-	-
1 x 11 W TC-SE	2G7	-	LD6285-BHF	LD6285-BHD
2 x 11 W TC-S	G23	LD6286	-	-
2 x 11 W TC-SE	2G7	-	LD6286-BHF	LD6286-BHD
1 x 18 W TC-L	2G11	LD6287	LD6287-BHF	LD6287-BHD

(*) Requires external control (remote motion sensor or other master luminaire, etc.) to activate the Corridor function.

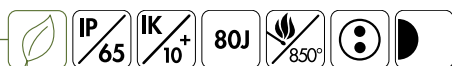
Tamperproof tool see pages 204-205.





BORG0

BORG



Specifications:

- Compact wall mounted light fitting with angled top
- 1 mm thick zinc-coated steel body protected against corrosion
- 2 mm thick zinc-coated steel frame protected against corrosion
- Polyester powder coating
- Clear textured polycarbonate diffuser (fluorescence)
- Opal polycarbonate diffuser (LED)
- Tamperproof stainless steel screws

● RAL7016

○ RAL9003
White colour on request

Options:

(please contact us)

Class II

Opal diffuser

1W or 3W LED night light

Separate circuit

Built-in microwave motion detection

Vandal-resistant switch

EXISTING INSTALLATIONS:

Switch to LED!
see p. 202 - 203

LED module:

- 6 x 1.5 W LED module
- Mounted on aluminium heat dissipation plate
- Average colour temperature: 3800 K / IRC (Ra) > 80
- LED power supply: constant voltage 24 V DC
- Total module power: 9.50 W
- Average service life 50000 hours at 25 °C ambient temperature

LED version: opal diffuser.

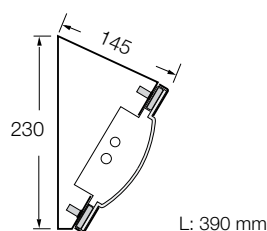


Dimmable fluorescence (EEI = A1):

Three types of controls are included in the same dimmable HF ballast: DALI, DSI, or SWITCH-DIM (momentary push-button switch operated).
Corridor function included: see pages 21-22.

HF ballast (EEI = A2):

- Warm cathode HF ballast
- Non dimmable
- Power factor cos phi > 0.95



LED

220-240 V AC / 50 Hz RoHS

	LAMP	Wattage	Equivalence ^(*)	Code
	1 x 6 LED 1,5 W	11,5 W	13 W	LD2301
	2 x 6 LED 1,5 W	23 W	26W	LD2302

(*) Equivalences given for information only.

FLUORESCENCE / METAL HALIDE

220-240 V AC / 50 Hz RoHS

	LAMP		Conventional ballast	HF ballast	DALI dimming + Corridor function ^(*)
	1 x 18 W TC-F	2G10	LD5950	LD5950-BHF	LD5950-BHD
	1 x 24 W TC-F	2G10	LD5951	LD5951-BHF	LD5951-BHD
	1 x 36 W TC-F	2G10	LD5952	LD5952-BHF	LD5952-BHD
	1 x 18 W TC-L	2G11	LD5982	LD5982-BHF	LD5982-BHD
	2 x 11 W TC-S	G23	LD5981	-	-
	2 x 11 W TC-SE	2G7		LD5981-BHF	LD5981-BHD
	1 x 35 W HIT-CE (MH)	G12	-	LD5983-BHF	-

(*) Requires external control (remote motion sensor or other master luminaire, etc.) to activate the Corridor function.

Tamperproof tool see pages 204-205.





ASL / ESL

ASL / ESL



Specifications:

- Architectural light fitting with flush diffuser
- 1 mm thick zinc-coated steel body protected against corrosion
- 2 mm thick zinc-coated steel frame protected against corrosion
- Polyester powder coating
- Opal polycarbonate diffuser
- Tamperproof stainless steel screws

● RAL7016

○ RAL9003
White colour on request

Options:
(please contact us)

Class II
Clear textured polycarbonate diffuser
1W or 3W LED night light
Separate circuit
Built-in microwave motion detection
Daylight sensor (preset to 70 lux)

EXISTING INSTALLATIONS:

Switch to LED!
see p. 202 - 203

LED module:

- 6 x 1.5 W LED module
- Mounted on aluminium heat dissipation plate
- Average colour temperature: 3800 K / IRC (Ra) > 80
- LED power supply: constant voltage 24 V DC
- Total module power: 9.50 W
- Average service life 50000 hours at 25 °C ambient temperature

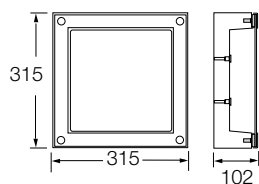
Dimmable fluorescence (EEI = A1):

Three types of controls are included in the same dimmable HF ballast:
DALI, DSI, or SWITCH-DIM (momentary push-button switch operated).
Corridor function included: see pages 21-22.

HF ballast (EEI = A2):

- Warm cathode HF ballast
- Non dimmable
- Power factor cos phi > 0.95

WALL-MOUNT



LED

220-240 V AC / 50 Hz RoHS

LAMP	Wattage	Equivalence ^(*)	Code
3 x 6 LED 1,5 W	34,5 W	36 W	LD2000

^(*) Equivalences given for information only.

FLUORESCENCE

220-240 V AC / 50 Hz RoHS

LAMP		Conventional ballast	HF ballast	DALI dimming + Corridor function ^(*)
2 x 11 W TC-S	G23	LD4727	-	-
2 x 11 W TC-SE	2G7	-	LD4727-BHF	LD4727-BHD
2 x 18 W TC-L	2G11	LD4729	LD4729-BHF	LD4729-BHD
2 x 26 W TC-D	G24d-3	LD4735	-	-
2 x 26 W TC-DE	G24q-3	-	LD4735-BHF	LD4735-BHD

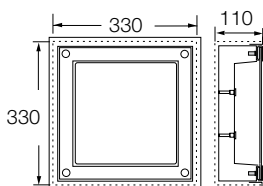
^(*) Requires external control (remote motion sensor or other master luminaire, etc.) to activate the Corridor function.

Tamperproof tool see pages 204-205.



ESL

RECESSED



Recess dimensions:
330 mm x 330 mm x 110 mm

LED

220-240 V AC / 50 Hz RoHS

LAMP	Wattage	Equivalence ^(*)	Code
3 x 6 LED 1,5 W	34,5 W	36 W	LD2100

(*) Equivalences given for information only.

FLUORESCENCE

220-240 V AC / 50 Hz RoHS

LAMP			Conventional ballast	HF ballast	DALI dimming + Corridor function ^(*)
2 x 11 W TC-S	G23	LD4707	-	-	-
2 x 11 W TC-SE	2G7	-	LD4707-BHF	LD4707-BHD	
2 x 18 W TC-L	2G11	LD4709	LD4709-BHF	LD4709-BHD	
2 x 26 W TC-D	G24d-3	LD4719	-	-	-
2 x 26 W TC-DE	G24q-3	-	LD4719-BHF	LD4719-BHD	

(*) Requires external control (remote motion sensor or other master luminaire, etc.) to activate the Corridor function.

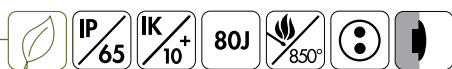
Tamperproof tool see pages 204-205.





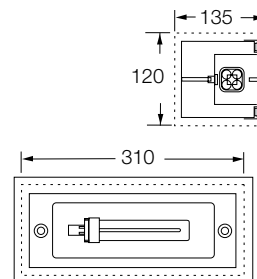
BRIKETTE

BRIKETTE



Specifications:

- Small recessed vandal-resistant light fitting
- 1 mm thick zinc-coated steel body
- 2 mm thick zinc-coated steel frame
- Polyester powder coating
- Clear textured polycarbonate diffuser (opal version on request)
- Tamperproof stainless steel screws
- *LED version under development*



(Minimum installation height: 0.40 m)

● RAL7016

○ RAL9003
White colour on request

Options:
(please contact us)

Class II
Duroflam® diffuser
Opal diffuser

FLUORESCENCE

220-240 V AC / 50 Hz RoHS

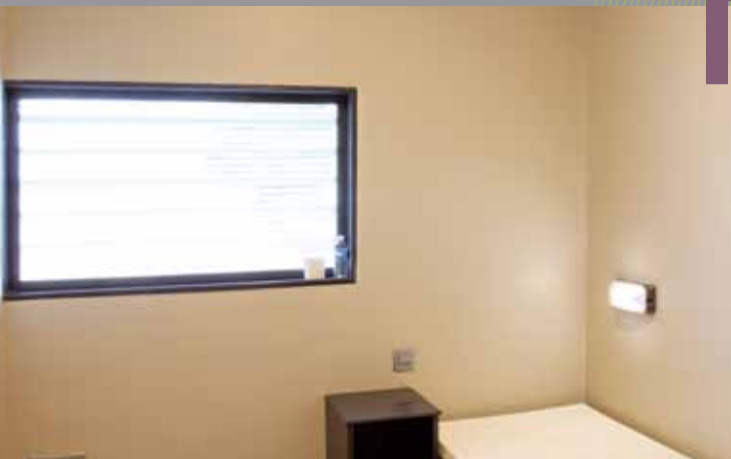
	LAMP		Conventional ballast	HF ballast
	1 x 18 W TC-D	G24d-2	LD4745	-
	1 x 18 W TC-DE	G24q-2	-	LD4745-BHF ⁽¹⁾
	1 x 18 W TC-L	2G11	LD4743	LD4743-BHF ⁽²⁾

(1) EEI = A3

(2) EEI = A2

Tamperproof tool see pages 204-205.

SPE PROD



CIAL UCTS

TRUNKING
SYSTEMS

CUSTODIAL
LIGHTING

LIGHT
FITTINGS
FOR CCTV

BESPOKE PRODUCTS

- Special dimensions
- Special colours
- Special equipments

Securlite offers you the possibility of tailor-made light fittings or of adapting standard products from our ranges:

Tell us about your project, our design office will produce specific solutions suited to your needs, whatever the quantities involved.

Numerous projects already completed:

- Special light fittings for underground transport systems: Paris, Lisbon, London, etc.
- Protections for in-ground light fittings: Bordeaux (Place Pey-Berland)
- Made-to-measure light fittings for public underpasses: Amsterdam, Brussels...
- Prison lighting: Lantin (Belgium), Drammen (Norway), Hong-Kong...
- LED light fittings for military applications (THALÈS)
- Etc.



La Défense (Paris)



DLR (London)



Porte de Champerret (Paris)

TRUNKING SYSTEMS

For a better architectural integration, junction panels and supports are available to adapt the following standard products into trunking or lighting systems:

- TITAN C95
- TITAN A45 and A30
- ALEANE

Specifications and quote: please contact us.



Arpajon underpass



Lisbon underground system

LIGHTING FOR CUSTODIAL APPLICATIONS



Our IK10+ light fittings with reinforced construction are specially designed for secured buildings and custodial areas:

- Prisons
- Detention centres
- Police stations
- Court houses
- Psychiatric hospitals

They are designed to offer maximum security, both for inmates and the staff of such institutions.



**3W LED night light on
separate circuit**

More maintenance savings

Reduced maintenance due to removable gear trays and longlife light sources.

More energy savings

Through the use of LED and multi-wattage HF ballasts.

More security

Through vandal-resistant specifications, lever-resistant and anti-ligature design.

More resistance

Whether to impacts (up to 120 joules) or fire, with the optional Duroflam® diffuser.

	Aleane	Titan C95 & A45	Lantini	Prison Rondo	Prison Bang	Prison Jono	Prison Borgo	P600
Corridors, stairwells	✓	✓	✓					
Cells		✓	✓	✓	✓			
Showers / washrooms						✓	✓	
Bed heads						✓	✓	✓

PRISON ALEANE



Specifications:

- Vandal-resistant light fitting for corridors
- 2 mm-thick steel body protected against corrosion and polyester powder coating, lever-resistant
- 4 mm clear polycarbonate diffuser (fluorescence) or satine opal (LED)
- Anti-vibration buffers under T5 and T8 lamps
- Protected cable entries
- Tamperproof stainless steel screws
- Fixation outside sealed body

Options:
(please contact us)

Class II
Duroflam® diffuser
Separate circuit
Through-wiring
Dummy bodies and junction parts
45° supports

○ RAL9003
White (standard version)



LED module:

- 6 x 1.5 W LED module
- Mounted on aluminium heat dissipation plate
- Average colour temperature: 3800 K / IRC (Ra) > 80
- LED power supply: constant voltage 24 V DC
- Total module power: 9.50 W
- Average service life 50000 hours at 25 °C ambient temperature



Easy-Sensor® detection:

- 5.8 GHz microwave detector
- 360° detection range
- Sensitivity adjustable from 20 to 100%
- Daylight sensor: adjustable from 5 to 2000 Lux.
- Adjustable timer: 10 seconds to 20 minutes
- Memorisation of settings in case of power failure.
- Connection of slave light fittings:
max. 500 W (fluorescent and LED), 800 W (incandescent)
- Operating temperature range: - 20 °C to + 70 °C
- Standby power: 0.9 W ± 10%



Motion sensor operation may reduce the life time of fluorescent lamps.
Recommended operating time: 20 min (12 min minimum).



Corridor function:

By default, the Corridor function provides standby lighting by reducing the luminous flux to 10% of its rated value. On request, we can also preset the fittings to operate with a switch-off warning signal, i.e. to reduce then stop the luminous flux.

Light fittings without built-in motion sensor:
The Corridor function can be activated by another master luminaire, a remote detector, a timer switch or a daylight sensor.



Dimmable fluorescence (EEI = A1):

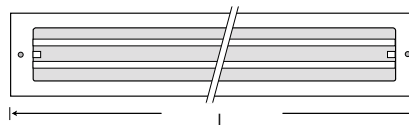
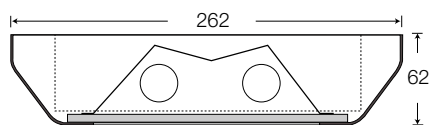
Three types of controls are included in the same dimmable HF ballast:
DALI, DSI, or SWITCH-DIM (momentary push-button switch operated).



HF ballast (EEI = A2):

- Warm cathode HF ballast
- Non dimmable
- Power factor cos phi > 0.95

PRISON ALEANE



LED

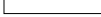
220-240 V AC / 50 Hz    RoHS

	Number of 6 x LED modules	Wattage	Length L (mm)	Equivalence ^(*)	Code
	4	46 W	715	 2 x 18 W	LD2200
 + detection	4	47 W	715	 2 x 18 W	LD2200-DPP
	8	92 W	1 325	 2 x 36 W	LD2250
 + detection	8	93 W	1 325	 2 x 36 W	LD2250-DPP

^(*) Equivalences given for information only.

FLUORESCENCE

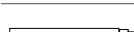
220-240 V AC / 50 Hz    RoHS

LAMP			Length L (mm)	HF ballast	DALI dimming + Corridor function (*)
	1 x 18 W T8	G13	715	LD6900-BHF	LD6900-BHD
	2 x 18 W T8	G13	715	LD6902-BHF	LD6902-BHD
	1 x 36 W T8	G13	1 325	LD6940-BHF	LD6940-BHD
	2 x 36 W T8	G13	1 325	LD6942-BHF	LD6942-BHD
	1 x 14 W-24 W T5	G5	715	LD6904	LD6904-BHD
	2 x 14 W-24 W T5	G5	715	LD6906	LD6906-BHD
	1 x 28 W-54 W T5	G5	1 325	LD6944	LD6944-BHD
	2 x 28 W-54 W T5	G5	1 325	LD6946	LD6946-BHD

^(*) Requires external control (remote motion sensor or other master luminaire, etc.) to activate the Corridor function.

FLUORESCENCE HF + EASY-SENSOR® DETECTION

220-240 V AC / 50 Hz    RoHS

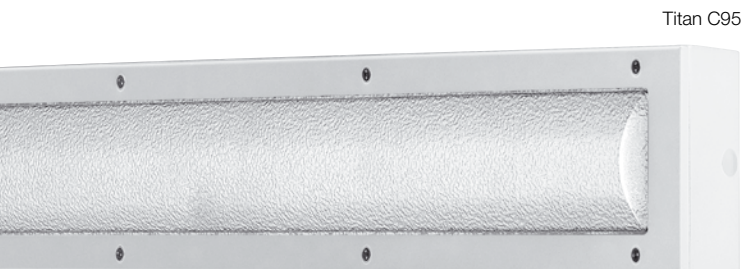
LAMP			Length L (mm)	Detection only	Detection + Corridor function
	2 x 18 W T8 + Easy-Sensor® detection	G13	715	LD6902-DPP	LD6902-BHD-DPP
	2 x 36 W T8 + Easy-Sensor® detection	G13	1 325	LD6942-DPP	LD6942-BHD-DPP
	2 x 14 W-24 W T5 + Easy-Sensor® dtection	G5	715	LD6906-DPP	LD6906-BHD-DPP
	2 x 28 W- 54 W T5 + Easy-Sensor® detection	G5	1 325	LD6946-DPP	LD6946-BHD-DPP



Motion sensor operation may reduce the life time of fluorescent lamps.
Recommended operating time: 20 min (12 min minimum).

 Tamperproof tool see pages 204-205.

PRISON TITAN



Titan C95



Titan A45

Specifications:

- Vandal-resistant light fitting for corridors or cells
- Anti break-in angle profile
- Anti-ligature
- Wall-mounted (Titan C95) or angle versions (Titan A45)
- 1 mm thick zinc-coated steel body protected against corrosion
- 2 mm thick zinc-coated steel frame protected against corrosion
- Polyester powder coating (white)
- Clear textured polycarbonate diffuser (fluorescence)
- Opal polycarbonate diffuser (LED)
- Tamperproof stainless steel screws

Options:
(please contact us)

Class 2
Separate circuit
Duroflam® diffuser

○ RAL9003



LED module:

- 6 x 1.5 W LED module
- Mounted on aluminium heat dissipation plate
- Average colour temperature: 3800 K / IRC (Ra) > 80
- LED power supply: constant voltage 24 V DC
- Total module power: 9.50 W
- Average service life 50000 hours at 25 °C ambient temperature



Corridor function
on request



Dimmable fluorescence (EEI = A1)
on request



3W LED night light module:

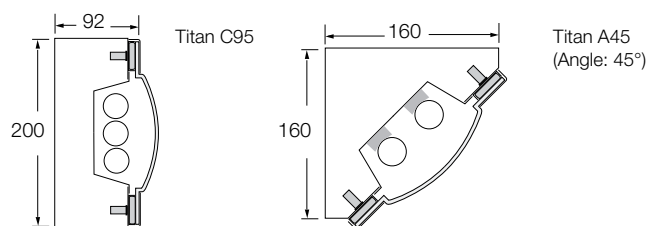
- 3W LED on aluminium heat dissipation plate
- Rated flux 204 lm
- Average colour temperature: 4000 K / IRC (Ra) > 80
- Constant current 350 mA
- Module power: 3.3 W



HF ballast (EEI = A2):

- Warm cathode HF ballast
- Non dimmable
- Power factor cos phi > 0.95

PRISON TITAN



LED

220-240 V AC / 50 Hz RoHS

	Number of 6 x LED modules	Wattage	Length (mm)	Equivalence(*)	Titan C95	Titan A45
	2	23 W	720	1 x 18 W	LD1100-C03	LD1300-C03
	4	46 W	720	2 x 18 W	LD1101-C03	LD1301-C03
	4	46 W	1 330	1 x 36 W	LD1102-C03	LD1302-C03
	8	92 W	1 330	2 x 36 W	LD1103-C03	LD1303-C03
	6	69 W	1 630	1 x 58 W	LD1104-C03	LD1304-C03
	12	138 W	1 630	2 x 58 W	LD1105-C03	LD1305-C03

(*) Équivalence donnée à titre indicatif.

LED + NIGHT LIGHT

220-240 V AC / 50 Hz RoHS

	Number of 6 x LED modules	Wattage	Length (mm)	Equivalence(*)	Titan C95	Titan A45
+ 3W LED night light	2	23 W	720	1 x 18 W	LD1100-C03-LV3	LD1300-C03-LV3
+ 3W LED night light	4	46 W	720	2 x 18 W	LD1101-C03-LV3	LD1301-C03-LV3
+ 3W LED night light	4	46 W	1 330	1 x 36 W	LD1102-C03-LV3	LD1302-C03-LV3
+ 3W LED night light	8	92 W	1 330	2 x 36 W	LD1103-C03-LV3	LD1303-C03-LV3
+ 3W LED night light	6	69 W	1 630	1 x 58 W	LD1104-C03-LV3	LD1304-C03-LV3
+ 3W LED night light	12	138 W	1 630	2 x 58 W	LD1105-C03-LV3	LD1305-C03-LV3

(*) Equivalences given for information only.

FLUORESCENCE HF

220-240 V AC / 50 Hz RoHS

LAMP		Length (mm)	Titan C95	Titan A45
1 x 14 W-24 W T5	G5	720	LD6600-C03	LD6500-C03
2 x 14 W-24 W T5	G5	720	LD6602-C03	LD6502-C03
1 x 28 W-54 W T5	G5	1 330	LD6604-C03	LD6504-C03
2 x 28 W-54 W T5	G5	1 330	LD6606-C03	LD6506-C03
1 x 35 W-49 W T5	G5	1 630	LD6608-C03	LD6508-C03
2 x 35 W-49 W T5	G5	1 630	LD6610-C03	LD6510-C03

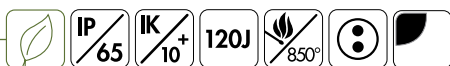
FLUORESCENCE HF + NIGHT LIGHT

220-240 V AC / 50 Hz RoHS

LAMP		Length (mm)	Titan C95	Titan A45
1 x 14 W-24 W T5 + 3W LED night light	G5	720	LD6600-C03-LV3	LD6500-C03-LV3
2 x 14 W-24 W T5 + 3W LED night light	G5	720	LD6602-C03-LV3	LD6502-C03-LV3
1 x 28 W-54 W T5 + 3W LED night light	G5	1330	LD6604-C03-LV3	LD6504-C03-LV3
2 x 28 W-54 W T5 + 3W LED night light	G5	1330	LD6606-C03-LV3	LD6506-C03-LV3
1 x 35 W-49 W T5 + 3W LED night light	G5	1630	LD6608-C03-LV3	LD6508-C03-LV3
2 x 35 W-49 W T5 + 3W LED night light	G5	1630	LD6610-C03-LV3	LD6510-C03-LV3

Tamperproof tool see pages 204-205.

LANTIN



Specifications:

- Angle and vandal-resistant light fitting for prison cells
- Anti-ligature
- Rear compartment for cables
- 1 mm thick zinc-coated steel body protected against corrosion
- 2 mm thick zinc-coated steel frame protected against corrosion
- Polyester powder coating (white)
- Flat clear textured polycarbonate diffuser (fluorescence)
- Flat opal polycarbonate diffuser (LED)
- Tamperproof stainless steel screws

Options:
(please contact us)

Class II
Separate circuit
Duroflam® diffuser

○ RAL9003



LED module:

- 6 x 1.5 W LED module
- Mounted on aluminium heat dissipation plate
- Average colour temperature: 3800 K / IRC (Ra) > 80
- LED power supply: constant voltage 24 V DC
- Total module power: 9.50 W
- Average service life 50000 hours at 25 °C ambient temperature



3W LED night light module:

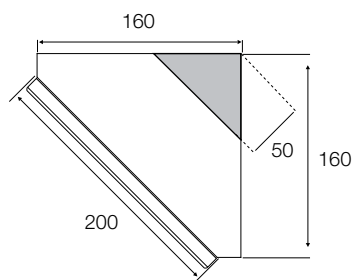
- 3W LED on aluminium heat dissipation plate
- Rated flux 204 lm
- Average colour temperature: 4000 K / IRC (Ra) > 80
- Constant current 350 mA
- Module power: 3.3 W



HF ballast (EEI = A2):

- Warm cathode HF ballast
- Non dimmable
- Power factor cos phi > 0.95

LANTIN



LED

220-240 V AC / 50 Hz RoHS

	LAMP	Wattage	Length (mm)	Equivalence(*)	Code
	4 x 6 LED 1,5 W	46 W	720	2 x 18 W	LD1351
	4 x 6 LED 1,5 W + 3W LED night light	46 W	720	2 x 18 W	LD1351-LV3
	8 x 6 LED 1,5 W	92 W	1 330	2 x 36 W	LD1352
	8 x 6 LED 1,5 W + 3W LED night light	92 W	1 330	2 x 36 W	LD1352-LV3

(*) Equivalences given for information only.

FLUORESCENCE HF

220-240 V AC / 50 Hz RoHS

	LAMP		Length (mm)	Code
	2 x 14 W-24 W T5	G5	720	LD6536
	2 x 14 W-24 W T5 + 3W LED night light	G5	720	LD6536-LV3
	2 x 36 W TC-L	2G11	720	LD6538
	2 x 36 W TC-L + 3W LED night light	2G11	720	LD6538-LV3

Tamperproof tool see pages 204-205.



The rear of the Lantin unit offers a large cable compartment.

PRISON RONDO



Specifications:

- Prison cell light fitting resistant to 80 joules
- Anti-ligature
- Die-cast marine grade aluminium
- Colour: white
- High efficiency clear polycarbonate diffuser
- Tamperproof stainless steel screws
- Removable gear tray (fluorescence only)

Options:
(please contact us)

Separate circuit

○ RAL9003

LED: choice of wattage
Equivalences given for information only

		
13 x 2,4 W	2 x 100 W	42 W



LED module:

- 13 x 2.4 W LED module
- Mounted on aluminium heat dissipation plate
- Average colour temperature: 3800 K / IRC (Ra) > 80
- LED power supply: constant voltage 24 V DC
- Average service life 50000 hours at 25 °C ambient temperature
- Module power: 29 W



3W LED night light module:

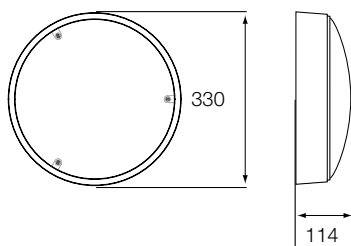
- 3W LED on aluminium heat dissipation plate
- Rated flux 204 lm
- Average colour temperature: 4000 K / IRC (Ra) > 80
- Constant current 350 mA
- Module power: 3.3 W



HF ballast (EEI = A2):

- Warm cathode HF ballast
- Non dimmable
- Power factor cos phi > 0.95

PRISON RONDO



LED

220-240 V AC / 50-60 Hz RoHS

LAMP	Wattage	Code
LED 13 x 2,4 W	29 W	LR4750
LED 13 x 2,4 W + 3W LED night light	29 W	LR4750-LV3

FLUORESCENCE HF

220-240 V AC / 50-60 Hz RoHS

LAMP	No night light	With 3W LED night light
1 x 26 W TC-TE GX24q-3	LR4700	LR4700-LV3
1 x 32 W TC-TE GX24q-3	LR4702	LR4702-LV3
1 x 42 W TC-TE GX24q-4	LR4704	LR4704-LV3
2 x 18 W TC-DE G24q-2	LR4706	LR4706-LV3
2 x 18 W TC-L 2G11	LR4708	LR4708-LV3

Tamperproof tool see pages 204-205.

PRISON BANG



Specifications:

- Vandal-resistant light fitting for prison cell
- Anti-ligature
- Reinforced polyamide base.
- Opal polycarbonate diffuser (LED)
- Grained clear polycarbonate diffuser (fluorescence)
- Tamperproof stainless steel screws
- Polycarbonate washers

○ RAL9003

LED: choice of wattage
Equivalences given for information only

9 x 1,2 W	100 W	18 W



LED module:

- 9 x 1.2W Power LED
- Mounted on aluminium heat dissipation plate
- Average colour temperature: 3800 K / IRC (Ra) > 80
- LED power supply: constant current 350 mA (9 x LED)
- Average service life 50000 hours at 25 °C ambient temperature



3W LED night light module:

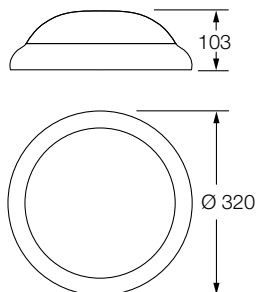
- 3W LED on aluminium heat dissipation plate
- Rated flux 204 lm
- Average colour temperature: 4,000° K / IRC (Ra) > 80
- Constant current 350 mA
- Module power: 3.3 W



HF ballast (EEI = A2):

- Warm cathode HF ballast
- Non dimmable

PRISON BANG



LED (opal diffuser)

220-240 V AC / 50 Hz RoHS

LAMP	Wattage	Code
9 LED x 1,2 W	13 W	LB23402
9 LED x 1,2 W + 3W LED night light	13 W	LB23402-LV3

FLUORESCENCE HF (grained clear diffuser)

220-240 V AC / 50 Hz RoHS

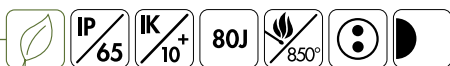
LAMP	No night light	With 3W LED night light
1 x 18 W TC-DE HF ⁽²⁾	G24q-2 LB1306	LB1306-LV3
1 x 18 W TC-DE HF ⁽¹⁾⁽²⁾	G24q-2 LB1307	LB1307-LV3
1 x 26 W TC-DE HF	G24q-3 LB1308	-
1 x 26 W TC-DE HF ⁽¹⁾	G24q-3 LB1309	LB1309-LV3

(1) cos phi > 0.95

(2) EEI = A3

Tamperproof tool see pages 204-205.

PRISON BORGO



Specifications:

- Compact prison cell light fitting with angled top
- Lever-resistant
- 65° angled top
- Vandal-resistant switch
- 1 mm thick zinc-coated steel body protected against corrosion
- 2 mm thick zinc-coated steel frame protected against corrosion
- Polyester powder coating
- Clear textured polycarbonate diffuser (fluorescence)
- Opal polycarbonate diffuser (LED)
- Tamperproof stainless steel screws

Options:
(please contact us)

Class II
Opal diffuser
3W LED night light
Separate circuit
Built-in microwave motion detection
Vandal-resistant switch on left side

○ Blanc RAL9003

EXISTING INSTALLATIONS:

Switch to LED!
see p. 202 - 203



LED module:

- 6 x 1.5 W LED module
- Mounted on aluminium heat dissipation plate
- Average colour temperature: 3800 K / IRC (Ra) > 80
- LED power supply: constant voltage 24 V DC
- Total module power: 9.50 W
- Average service life 50000 hours at 25 °C ambient temperature



Dimmable fluorescence (EEI = A1):

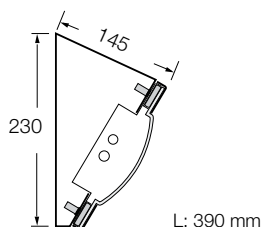
Three types of controls are included in the same dimmable HF ballast:
DALI, DSI, or SWITCH-DIM (momentary push-button switch operated).



HF ballast (EEI = A2):

- Warm cathode HF ballast
- Non dimmable
- Power factor cos phi > 0.95

PRISON BORG



LED

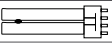
220-240 V AC / 50 Hz    RoHS

	LAMP	Wattage	Equivalence (*) 	Code
	1 x 6 LED 1,5 W	11,5 W	13 W	LD2401
	2 x 6 LED 1,5 W	23 W	26 W	LD2402

(*) Equivalences given for information only.

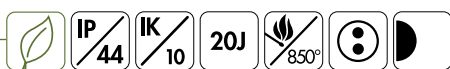
FLUORESCENCE

220-240 V AC / 50 Hz    RoHS

	LAMP		Conventional ballast	HF ballast	DALI dimmable
	1 x 18 W TC-F	2G10	LD6050-C03	LD6050-BHF-C03	LD6050-BHD-C03
	1 x 24 W TC-F	2G10	LD6051-C03	LD6051-BHF-C03	LD6051-BHD-C03
	1 x 36 W TC-F	2G10	LD6052-C03	LD6052-BHF-C03	LD6052-BHD-C03
	1 x 18 W TC-L	2G11	LD6082-C03	LD6082-BHF-C03	LD6082-BHD-C03
	2 x 11 W TC-S	G23	LD6081-C03	-	-
	2 x 11 W TC-SE	2G7	-	LD6081-BHF-C03	LD6081-BHD-C03

 Tamperproof tool see pages 204-205.

PRISON JONO



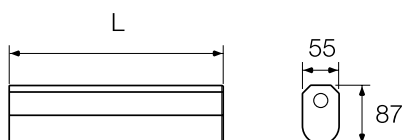
Specifications::

- Vandal-resistant linear light fitting
- Extruded aluminium base, reinforced structure
- Opal polycarbonate diffuser
- Tamperproof stainless steel screws

Options:
(please contact us):

Class II
Shaver socket

○ RAL9003



JONO PRISON with switch

220-240 V AC / 50-60 Hz

LAMP			Length L (mm)	Conventional ballast	HF ballast (*)
	1 x 11 W TC-S	G23	379	LS62802	-
	1 x 11 W TC-SE	2G7	379	-	LS62802-BHF

(*) EEI = A3

JONO PRISON with switch + socket

220-240 V AC / 50-60 Hz

LAMP			Length L (mm)	Conventional ballast	HF ballast (*)
	1 x 11 W TC-S	G23	456	LS62781	-
	1 x 11 W TC-SE	2G7	456	-	LS62781-BHF
	1 x 18 W T8	G13	751	LS62771	-

(*) EEI = A3

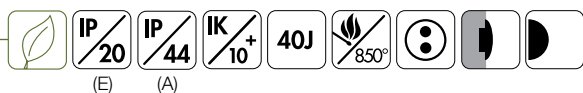
Tamperproof tool see pages 204-205.





P600 E/A

P600 E / P600 A



Specifications:

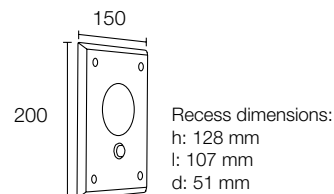
- Recessed bed head light fitting for prison
- Standard Gewiss flush-mounting box, type GW 48002 supplied (code LD6000)
- Textured clear polycarbonate diffuser
- Stainless steel vandal-resistant switch
- Lever-resistant
- Recessed P600 fixed with 4 tamper proof screws and metal anchors directly into the wall

○ RAL9003

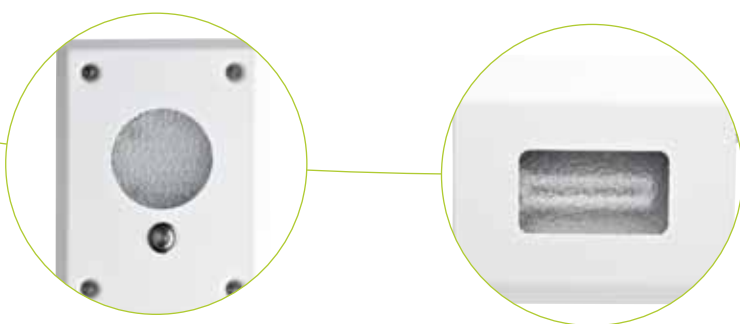
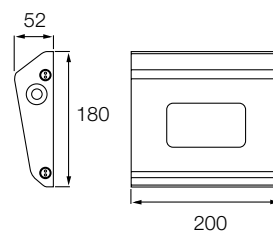
LED version under development

Wall-mounted: switch on right side (on left on request)

RECESSED (P600E)



WALL-MOUNTED (P600A)

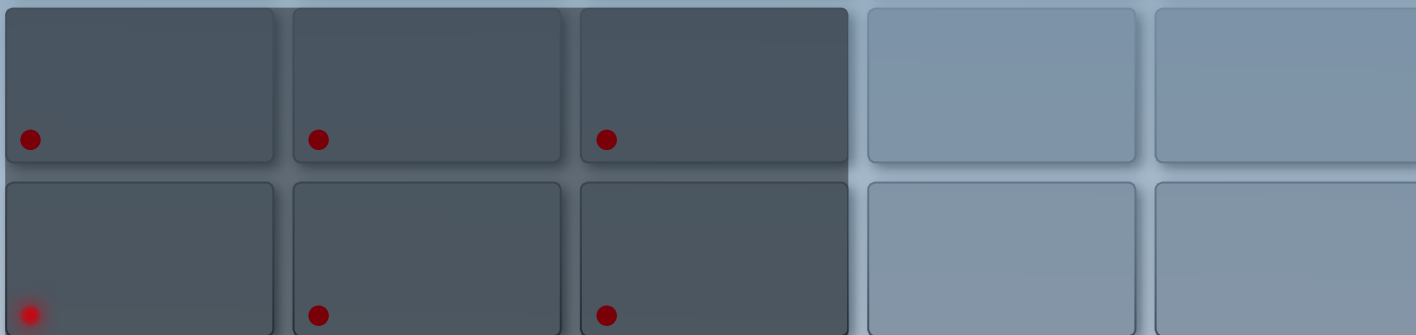


220-240 V AC / 50 Hz RoHS

LAMP		Code
P600 E recessed bed head	6 W GX53	LD6000
P600 A wall-mounted bed head	7 W 2G7	LD6010

Tamperproof tool see pages 204-205.

LIGHT FITTINGS FOR CCTV APPLICATIONS



In some situations, CCTV cameras are too “visible” and therefore subject to vandalism.

The solution consists in hiding the camera inside the light fitting:

- Invisibility of camera
- Protection against vandalism
- Better image quality (video camera in line with light)

In certain cases, it may be useful to maintain a fake visible camera.

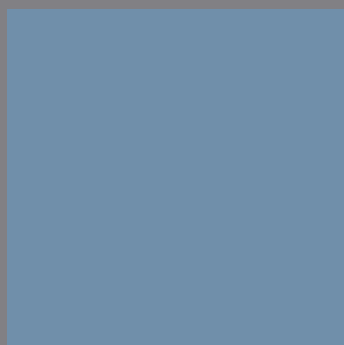
Securlite uses the know-how of the best manufacturers and service providers for CCTV applications.

Many solutions for integrating cameras exist (micro-perforation, polycarbonate diffuser, etc.).

Contact our sales department for more information!

The installation of CCTV systems must comply with legal requirements.





ACCESSORIES AND OPTIONS

RETROFIT LED GEARS

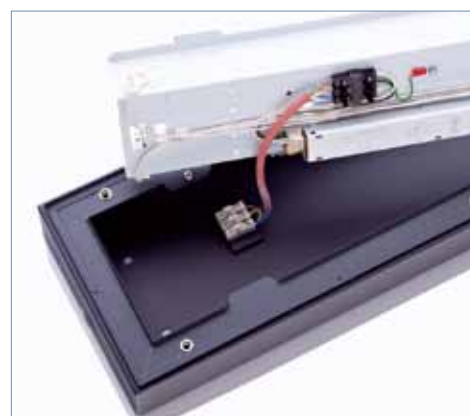
Replacement LED plates for existing fluorescent light fittings

LED Retrofit gear tray can be used to easily upgrade your old fluorescent light fittings into very low consumption light fittings and to considerably reduce maintenance costs.

LED Retrofit gear trays are equipped with their own power supply module and a removable connector: no modifications to the electrical installation are required.

LED gear trays are only interchangeable with basic fluorescent plates (no options such as night light, separate circuit, detection, etc.).

In the event your existing light fittings feature any of these options please contact us.



IMPORTANT

OpaLED® replacement diffuser

The use of LED-specific opalescent diffusers is recommended in order to improve visual comfort.

The opaLED® polycarbonate diffuser can improve light transmission by over 20% in relation to a traditional opal polycarbonate, and reduces glare.

LIGHT FITTING	LED MODULE	Fluor. equivalence ⁽¹⁾		Retrofit LED gear tray
Rondino Rueda Aki / Akita	9 x 1,2 W LED 350 mA		1 x 18 W	PLR03350
	9 x 1,2 W LED 350 mA + Easy-Sensor [®]		1 x 18 W	PLR03350-DPP
	9 x 1,2 W LED 700 mA		1 x 18 W	not available
	9 x 1,2 W LED 700 mA + Easy-Sensor [®]		1 x 18 W	not available
Rondo	12 x 1,5 W LED		1 x 26 W	PLR03050
	12 x 1,5 W LED + 20% standby ^(*)		1 x 26 W	PLR03060
	12 x 1,5 W LED + Easy-Sensor [®]		1 x 26 W	PLR03050-DPP
	12 x 1,5 W LED + Easy-Sensor [®] + 20% standby		1 x 26 W	PLR03060-DPP
Punto Izu / Izumi Santa / Buda	12 LED		1 x 26 W	PLR03050
	12 LED + 20% standby ^(*)		1 x 26 W	PLR03060
	12 LED + Easy-Sensor [®]		1 x 26 W	PLR03050-DPP
	12 LED + Easy-Sensor [®] + 20% standby		1 x 26 W	PLR03060-DPP
Titan C95 / A30 / A45 (L: 720 mm)	2 modules 6 x 1,5 W LED		1 x 18 W	PLD07100
	4 modules 6 x 1,5 W LED		2 x 18 W	PLD07150
Titan C95 / A30 / A45 (L: 1330 mm)	4 modules 6 x 1,5 W LED		1 x 36 W	PLD07200
	8 modules 6 x 1,5 W LED		2 x 36 W	PLD07250
Titan C95 / A30 / A45 (L: 1630 mm)	6 modules 6 x 1,5 W LED		1 x 58 W	PLD07300
	12 modules 6 x 1,5 W LED		2 x 58 W	PLD07350
Titan Compact (S2 / S3 / S4)	2 modules 9 x 1,2 W LED		2 x 18 W	PLD07450
	2 modules 9 x 1,2 W LED + Easy-Sensor [®]		2 x 18 W	PLD07450-DPP
	2 modules 12 x 1,5 W LED		2 x 26 W	PLD07500
	2 modules 12 x 1,5 W LED + 20% standby ^(*)		2 x 26 W	PLD07510
	2 modules 12 x 1,5 W LED + Easy-Sensor [®]		2 x 26 W	PLD07500-DPP
	2 modules 12 x 1,5 W LED + Easy-Sensor [®] + 20% standby		2 x 26 W	PLD07510-DPP
Vauban A / E	2 x 6 LED 1,5 W		1 x 26 W	PLD07550
ASL / ESL	3 x 6 LED 1,5 W		1 x 36 W	PLD07600

(1) Equivalences given for information only. It is recommended to confirm the lighting values by a lighting calculation, particularly for linear light fittings.
Photometric curves are available on www.securlite.com or on request from our sales department.

(*) Operates with remote sensor or other master luminaire.

LIGHT FITTING	Opaed [®] replacement diffuser + metal frame	
	 RAL7016	 RAL9003
Titan C95 / A30 / A45 (L: 720 mm)	PLD01100-C04-SB3	PLD01100-C03-SB3
Titan C95 / A30 / A45 (L: 1 330 mm)	PLD01050-C04-SB3	PLD01050-C03-SB3
Titan C95 / A30 / A45 (L: 1 630 mm)	PLD01000-C04-SB3	PLD01000-C03-SB3
Titan Compact (S2 / S3 / S4)	PLD01150-C04-SB3	PLD01150-C03-SB3
Vauban A / E	PLD01200-C04-SB3	PLD01200-C03-SB3
ASL / ESL	PLD03550-C04-SB3	PLD03550-C03-SB3

TOOLS

for vandal-resistant luminaires



Driver (code AC9015)

+



Tool bit
(code AC9004, AC9005,
AC9006, AC9027)

=



LIGHT FITTINGS	TOOL CODE	TYPE
Aki / Akita	AC9005	Tool bit M5
Aleane	AC9006	Tool bit M6
ASL	AC9006	Tool bit M6
Balize	AC9027	Insert M8 hexa. + pin
Bang (round)	AC9005	Tool bit M5
Bang (square)	AC9005	Tool bit M5
Bang (rectangular)	AC9005	Tool bit M5
Power-LED Bang	AC9005	Tool bit M5
Brikette	AC9006	Tool bit M6
Buda	-	Standard socket head screws
Casemate	AC9005	Tool bit M5
Enclume	AC9004	Tool bit M4
Epure (A / E)	AC9006	Tool bit M6
ESL	AC9006	Tool bit M6
Fila + accessories	-	Standard socket head screws
Fortin	AC9006	Tool bit M6
Gardian	AC9005	Tool bit M5
Izu	AC9005	Tool bit M5
Izumi	AC9005	Tool bit M5
Prison Jono	AC9004	Tool bit M4
Lantin	AC9006	Tool bit M6
Navilite	-	Standard socket head screws
P600 (E / A)	AC9006	Tool bit M6
Punto	AC9005	Tool bit M5
Roc	-	-
Rodeo	AC9005	Tool bit M5
Rondo Performance	AC9005	Tool bit M5
Rondino / Rondo	AC9005	Tool bit M5
Rueda	AC9005	Tool bit M5

TOOLS

for vandal-resistant lighting



Pliers for Soffite

LIGHT FITTINGS	TOOL CODE	TYPE
Santa	-	Standard socket head screws
Soffite	AC9040	Pliers
Solara	-	Standard socket head screws
Spoteo	AC9004	Tool bit M4
Titan (C95 / E)	AC9006	Tool bit M6
Titan A (A30)	AC9006	Tool bit M6
Titan A (A45)	AC9006	Tool bit M6
Titan Compact (S2)	AC9006	Tool bit M6
Titan Compact (S3)	AC9006	Tool bit M6
Titan Compact (S4)	AC9006	Tool bit M6
Vauban	AC9006	Tool bit M6
Voila	AC9005	Tool bit M5
Power-LED Voila	AC9005	Tool bit M5
Voila Start	AC9005	Tool bit M5

SECURLITE AND STANDARDS

Our products are designed and manufactured according to applicable international standards

Light fitting standards

Our products comply with lighting standard EN 60598 and the EMC standard.

The tests are performed in our laboratory and confirmed by independent European laboratories, such as SGS or TÜV. The process is the same for impact resistance (IK) tests and fire regulation compliance tests (960°C, 850°C).

Lighting must be thought through and suited to your needs.

Securlite will help you in constructing your projects. Lighting technology goes beyond simple lighting calculations and your investment must be accompanied by global consulting: our sales and technical support staff are at your service to create personalised solutions.

Lighting calculations are ruled by standard EN 12464.

For pedestrian areas:

- Lighting uniformity = 0.5.
- Maintenance factor: to be determined with the designer according to the building maintenance plan.
- UGR (unified glare rating).

These values appear in the results of your lighting calculations with professional software: 28 for corridors and 25 for staircases.

Securlite is a RELUX® partner

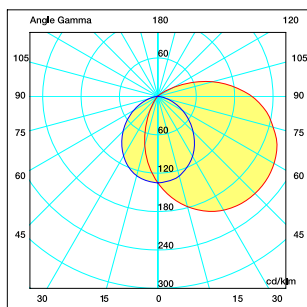


This service is for specifiers and lighting engineers. We provide lighting data from the study carried out in coordination with you. These analyses are valid for respecting requirements concerning public buildings.

Securlite recommendations for the right choice in terms of light fittings and the correct application of standards:

- Suitable external enclosure
- Power savings
- Visual comfort
- Uniformity
- Required average lighting level
- Optimisation of maintenance
- Verification of results using professional calculation software
- Excellent value for money.

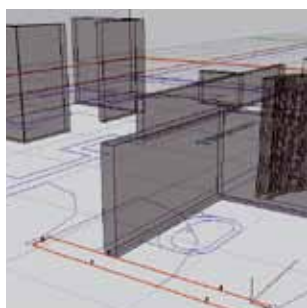
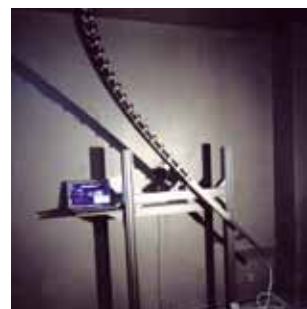
PHOTOMETRY



The photometric files for our light fittings are available for download on our site www.se-curlite.com or www.relux.biz.

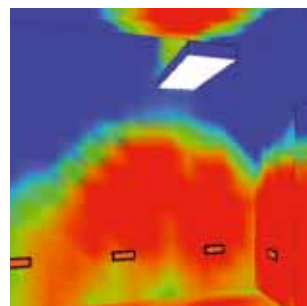
They can also be provided in .ldt or .ies format, just ask our technical support team.

With the new motorised goniophotometer at our laboratory in La Ferté-Bernard, we can immediately measure the photometric characteristics of light fittings, including specially-manufactured products.

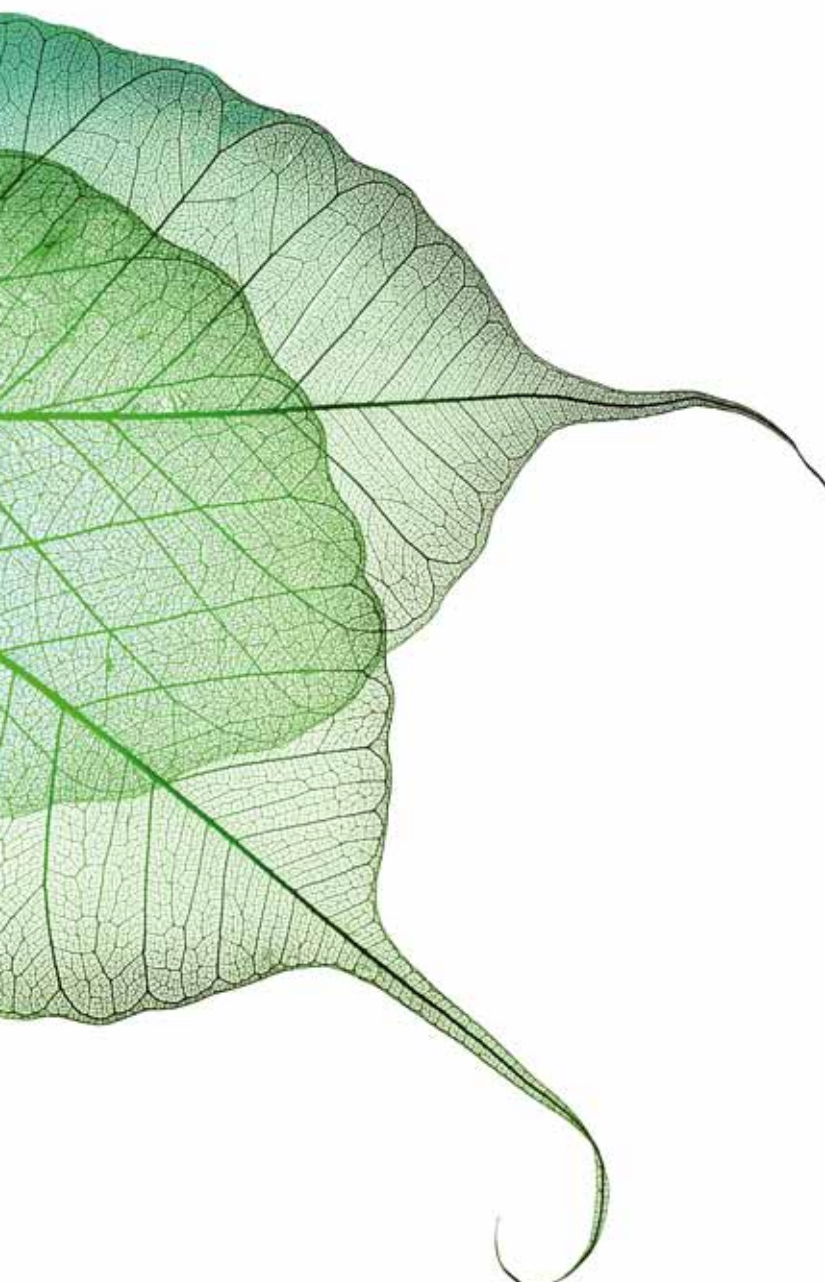


Using the information that you provide to us (measurements, drawings, .dwg or .dxf files, etc.), we can recreate the lighting conditions of your project.

Lighting simulations are performed according to standard EN 12464 on RELUX® Pro, one of the best softwares on the market, so as to ensure rigorous and objective results.



3D visualisations are used to retranscribe the emotions created by light and to appreciate the accuracy of calculations.



ICONS



Energy savings



Glow wire test



Tamperproof screws



Standard screws



Socket head screws



Wall-mounted light fittings



Ceiling-mounted light fitting



Angle-mounted light fittings



Recessed



Bollards



Post-tops

IMPACT RESISTANCE

- IK10** / 20 joules (5 kg) **(EN 62262)**
- IK10+** / 50 joules (12,5 kg) **(EN 62262)**
- IK10+** / 80 joules (20 kg)
- IK10+** / 120 joules (30 kg)
- IK10+** / 160 joules (40 kg)
- IK10+** / 200 joules (50 kg)

Unless otherwise specified:
lamps are supplied except for T5, T8 and E27 incandescent/halogen lamps.
Colour temperatures:
Fluorescence: 4 000 K (except TC-DD 3 500 K),
Fluorescence E27: 2 500 to 2700 K (except 27 W: 4100 K)
Sodium: 2000 K
Metal Halide: 3000 K (G12) or 4200 K (E27)

Lamps supplied separately or inside light fittings are done so free of charge and are not guaranteed.

IP RATINGS

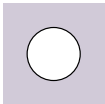
Standard IEC 60529

First digit:

Classification according to the rate of protection against dust and solid bodies penetration

Second digit:

Classification according to the rate of protection against humidity.

IP 0 .		No protection
--------	---	---------------

IP 1 .		Protected against solid objects greater than 50 mm e. g. hand.
--------	---	--

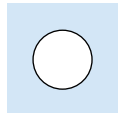
IP 2 .		Protected against solid objects greater than 12 mm e.g. finger.
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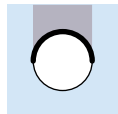
IP 3 .		Protected against solid objects greater than 2,5 mm e.g. tools, wires.
--------	---	--

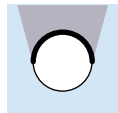
IP 4 .		Protected against solid objects greater than 1,0 mm e.g. wires.
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IP 5 .		Protected against dust limited ingress. (no harmful deposit)
--------	---	--

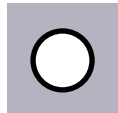
IP 6 .		Totally protected against dust.
--------	---	---------------------------------

IP . 0		No protection
--------	---	---------------

IP . 1		Protected against water dripping vertically.
--------	---	--

IP . 2		Protected against dripping water when tilted up to 15°.
--------	---	---

IP . 3		Protected against spraying water when tilted up to 60°.
--------	---	---

IP . 4		Protected against splashing water from any direction.
--------	---	---

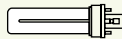
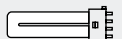
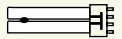
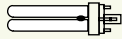
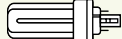
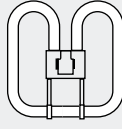
IP . 5		Protected against water jets by a nozzle from any direction.
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IP . 6		Protected against heavy seas.
--------	---	-------------------------------

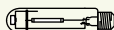
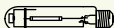
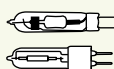
IP . 7		Protected against the effects of immersion. (up to 1m)
--------	---	--

IP . 8		Protected against submersion under conditions which shall be specified.
--------	---	---

LAMPS

NAME	LAMP	BASE	BALLAST CONV. CONV. HF + START			WATTAGE W	FLUX lm	SERVICE LIFE h	L max. mm
CFL		 E27		INT.	INT.	9	400	10000	100 mm
						11	600	10000	110 mm
						15	900	10000	115 mm
						20	1200	10000	125 mm
						23	1400	10000	140 mm
						27	1700	10000	140 mm
						42	2600	10000	145 mm
TC-S		 G23				5	250	8000	85 mm
						7	400	8000	115 mm
						9	600	8000	145 mm
						11	900	8000	215 mm
TC-SE		 2G7				5	250	8/10000	85 mm
						7	400	8/10000	115 mm
						9	600	8/10000	145 mm
						11	900	8/10000	215 mm
TC-L		 2G11				18	1200	8/10000	225 mm
						24	1800	8/10000	320 mm
						36	2900	8/10000	415 mm
						40	3500	10000	535 mm
						55	4800	10000	535 mm
TC-F		 2G10				18	1100	8/10000	122 mm
						24	1700	8/10000	165 mm
						36	2800	8/10000	217 mm
TC-D		 G24d-1				13	900	8000	130 mm
		 G24d-2				18	1200	8000	140 mm
		 G24d-3				26	1800	8000	160 mm
TC-DE		 G24q-1				13	900	8/10000	130 mm
		 G24q-2				18	1200	8/10000	140 mm
		 G24q-3				26	1800	8/10000	160 mm
TC-TE		 GX24-q1				13	900	8/10000	90 mm
		GX24-q2				18	1200	8/10000	110 mm
		GX24-q3				26	1800	8/10000	130 mm
		GX24-q3				32	2400	8/10000	145 mm
		GX24-q4				42	3200	8/10000	155 mm
TC-DD		 GR8				16	1050	10000	138 x 141 mm
						28	2050	10000	205 x 107 mm
		 GR10q				10	650	10000	92 x 95 mm
						16	1050	10000	138 x 141 mm
						21	1350	10000	138 x 141 mm
						28	2050	10000	205 x 207 mm
						38	2850	10000	205 x 207 mm
						55	4000	10000	205 x 207 mm
		 GRY10q3				55	4000	10000	205 x 207 mm
T8		 G13				15	950	9/12000	438 mm
						18	1350	9/12000	590 mm
						30	2350	9/12000	895 mm
						36	3350	9/12000	1200 mm
						58	5200	9/12000	1500 mm

LAMPS

NAME	LAMP	BASE	BALLAST			WATTAGE W	FLUX lm	SERVICE LIFE h	L max. mm
			CONV.	CONV. + START	HF				
T5		 G5			●	6	240	16/18000	212 mm
					●	8	330	16/18000	298 mm
					●	13	650	16/18000	517 mm
					●	14	1200	16/18000	549 mm
					●	21	1900	16/18000	849 mm
					●	24	2000	16/18000	549 mm
					●	28	2900	16/18000	1149 mm
					●	35	3650	16/18000	1449 mm
					●	39	3100	16/18000	849 mm
					●	49	4300	16/18000	1449 mm
					●	54	4450	16/18000	1149 mm
					●	80	6150	16/18000	1449 mm
HST (SHP)		 E27			●	50	4400	24000	156 mm
					●	70	6000	24000	156 mm
		 E40			●	100	10000	24000	210 mm
					●	150	14500	24000	210 mm
					●	250	27000	24000	257 mm
					●	400	48000	24000	285 mm
HSE (SHP)		 E27			●	50	3500	24000	156 mm
					●	70	5600	24000	156 mm
		 E40			●	100	9500	24000	183 mm
					●	150	14000	24000	226 mm
					●	250	25000	24000	226 mm
					●	400	47000	24000	290 mm
HIT (MH)		 E27			●	70	6300	15000	155 mm
					●	100	8800	15000	210 mm
		 E40			●	150	13500	15000	210 mm
					●	250	20000	15000	226 mm
					●	400	32000	15000	285 mm
HIE (MH)		 E27			●	70	5000	15000	141 mm
					●	100	8000	15000	141 mm
					●	150	12500	15000	141 mm
		 E40			●	250	24000	15000	226 mm
HIT		 G8,5			●	20	1700	12000	80 mm
					●	35	3500	12000	100 mm
		 G12			●	70	7000	12000	100 mm
					●	100	9500	12000	105 mm
					●	150	14500	12000	105 mm

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BO1110.....	117	LB1122	53	LB2301	52	LB3222	56	LD1303-C03-LV3 ...	185	LD4473	156
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BO1200.....	117	LB1127	53	LB2302-CLV	52	LB3301	56	LD1304-C03-LV3 ...	185	LD4537-BHF	161
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BO1220.....	117	LB1129	53	LB2304	52	LB3303	56	LD1305-C03	185	LD4538-BHD	161
BO1230.....	117	LB1129-BHD	53	LB2305	52	LB3304	56	LD1305-C03-LV3 ...	185	LD4538-BHF	161
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BO2110.....	117	LB1201	52	LB2306-CLV	52	LB3306	56	LD1351-LV3	187	LD4562-BHD	161
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BO2200.....	117	LB1202-CLV	52	LB2307-CLV	52	LB3308	56	LD1400	145	LD4563-BHD	161
BO2210.....	117	LB1203	52	LB2308	52	LB3309	56	LD1401	145	LD4563-BHF	161
BO2220.....	117	LB1204	52	LB2309	52	LB3309-CLV	56	LD1402	145	LD4567	161
BO2230.....	117	LB1205	52	LB2309-BHD	52	LB3313	56	LD1403	145	LD4568	161
CONVO220.....	130	LB1206	52	LB2309-CLV	52	LB3321	56	LD1404	145	LD4571	161
CONVO230.....	130	LB1206-CLV	52	LB2321	53	LB3322	56	LD1405	145	LD4572	161
CONVO235.....	130	LB1207	52	LB2321-CLV	53	LB3326	56	LD1501	156	LD4573	161
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EP2218-BHD	148	LB1208	52	LB2326	53	LB5103	59	LD1504	156	LD4637-BHF	160
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EP2224-BHD	148	LB1209-BHD	52	LB2327-BHD	53	LB5201	59	LD1506	156	LD4638-BHD	160
EP2236	148	LB1209-CLV	52	LB2329	53	LB5203	59	LD1601	160	LD4638-BHF	160
EP2236-BHD	148	LB1221	53	LB2329-BHD	53	LB5206	59	LD1602	160	LD4662	160
EP2254	148	LB1221-CLV	53	LB2329-CLV	53	LB5301	59	LD1603	160	LD4662-BHD	160
EP2254-BHD	148	LB1222	53	LB23402	48-191	LB5303	59	LD1604	160	LD4662-BHF	160
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EP2418-BHD	149	LB1226	53	LB23422	48	LD1100	140	LD1606	160	LD4663-BHD	160
EP2424	149	LB1227	53	LB23502	48	LD1100-C03	185	LD1701	161	LD4663-BHF	160
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LD5951-BHD	168	LD6445-BHD	145	LD6476-BHD	141	LD6608-C03	185	LF1135	130	LF6114-BHD	131
LD5951-BHF	168	LD6445-BHF	145	LD6476-BHF	141	LD6608-C03-LV3	185	LF1135-BHD	130	LF6118	131
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LD5952-BHD	168	LD6446-BHD	145	LD6477-BHD	141	LD6610-BHD	140	LF1136-BHD	130	LF6121	131
LD5952-BHF	168	LD6446-BHF	145	LD6477-BHF	141	LD6610-C03	185	LF1158	130	LF6121-BHD	131
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LD6052-BHD-C03	193	LD6452	140	LD6506-C03-LV3	185	LD6900-ASY-BHD	135	LF2136	130	LF6228-BHD	131
LD6052-BHF-C03	193	LD6452-BHD	140	LD6508	144	LD6900-ASY-BHF	135	LF2136-BHD	130	LF6235	131
LD6052-C03	193	LD6452-BHF	140	LD6508-BHD	144	LD6900-BHD	134-183	LF2158	130	LF6235-BHD	131
LD6081-BHD-C03	193	LD6453	140	LD6508-C03	185	LD6900-BHF	134-183	LF2158-BHD	130	LF6236	131
LD6081-BHF-C03	193	LD6453-BHD	140	LD6508-C03-LV3	185	LD6902	134	LF2502	130	LF6236-BHD	131
LD6081-C03	193	LD6453-BHF	140	LD6510	144	LD6902-BHD	134-183	LF2503	130	LF6258	131
LD6082-BHD-C03	193	LD6454	140	LD6510-BHD	144	LD6902-BHD-DPP	134-183	LF2504	130	LF6258-BHD	131
LD6082-BHF-C03	193	LD6454-BHD	140	LD6510-C03	185	LD6902-BHF	134-183	LF2505	130	LF6502	131
LD6082-C03	193	LD6454-BHF	140	LD6510-C03-LV3	185	LD6902-DPP	134-183	LF2506	130	LF6503	131
LD6251	164	LD6455	140	LD6536	187	LD6904	134-183	LF5114	131	LF6504	131
LD6251-BHD	164	LD6455-BHD	140	LD6536-LV3	187	LD6904-ASY	135	LF5114-BHD	131	LF6505	131
LD6251-BHF	164	LD6455-BHF	140	LD6538	187	LD6904-ASY-BHD	135	LF5118	131	LF6506	131
LD6252	164	LD6456	144	LD6538-LV3	187	LD6904-BHD	134-183	LF5118-BHD	131	LL6101	69
LD6252-BHD	164	LD6456-BHD	144	LD6550	145	LD6906	134-183	LF5121	131	LL6102	69
LD6252-BHF	164	LD6456-BHF	144	LD6550-BHD	145	LD6906-BHD	134-183	LF5121-BHD	131	LL6103	69
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LD6256-BHF	165	LD6457-BHF	144	LD6554	145	LD6940	134	LF5135	131	LP6128	151
LD6257	165	LD6458	144	LD6554-BHD	145	LD6940-ASY	135	LF5135-BHD	131	LP6128-BHD	151
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LD6280-BHD	164	LD6459-BHD	144	LD6558-BHD	145	LD6940-BHF	134-183	LF5158-BHD	131	LP6228-BHD	151
LD6280-BHF	164	LD6459-BHF	144	LD6560	145	LD6942	134	LF5214	131	LP7119	151
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LD6281-BHD	164	LD6460-BHD	144	LD6600	140	LD6942-BHD-DPP	134-183	LF5218	131	LP7119-BHF	151
LD6281-BHF	164	LD6460-BHF	144	LD6600-BHD	140	LD6942-BHF	134-183	LF5218-BHD	131	LP7137	151
LD6282	164	LD6461	144	LD6600-C03	185	LD6942-DPP	134-183	LF5221	131	LP7137-BHD	151
LD6282-BHD	164	LD6461-BHD	144	LD6600-C03-LV3	185	LD6944	134-183	LF5221-BHD	131	LP7137-BHF	151
LD6282-BHF	164	LD6461-BHF	144	LD6602	140	LD6944-ASY	135	LF5228	131	LP7219	151
LD6285	165	LD6472	141	LD6602-BHD	140	LD6944-ASY-BHD	135	LF5228-BHD	131	LP7219-BHD	151
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LR1202-C02	101	LR1802-C02	109	LR4366-BHF-C02	92	LR4412-C02	93	LR4716-CLV	63	LR5226	104
LR1202-C03	101	LR1802-C03	109	LR4366-BHF-C03	92	LR4412-C03	93	LR4718	63	LR5226-C02	104
LR1204	101	LR1807	109	LR4368	92	LR4412-CLV	93	LR4718-BHD	63	LR5226-C03	104
LR1204-C02	101	LR1807-C02	109	LR4368-C02	92	LR4412-CLV-C02	93	LR4718-CLV	63	LR5228	104
LR1204-C03	101	LR1807-C03	109	LR4368-C03	92	LR4412-CLV-C03	93	LR4750	63-189	LR5228-C02	104
LR1303	93	LR1808	109	LR4368-CLV	92	LR4414	93	LR4750-LV3	189	LR5228-C03	104
LR1303-C02	93	LR1808-C02	109	LR4368-CLV-C02	92	LR4414-BHD	93	LR4751	63	LR5230	104
LR1303-C03	93	LR1808-C03	109	LR4368-CLV-C03	92	LR4414-BHD-C02	93	LR4752	63	LR5230-C02	104
LR1304	93	LR1901	108	LR4370	92	LR4414-BHD-C03	93	LR4753	63	LR5230-C03	104
LR1304-C02	93	LR1901-C02	108	LR4370-C02	92	LR4414-C02	93	LR5118	112	LR5232	104
LR1304-C03	93	LR1901-C03	108	LR4370-C03	92	LR4414-C03	93	LR5118-C02	112	LR5232-C02	104
LR1305	93	LR1902	108	LR4370-CLV	92	LR4414-CLV	93	LR5118-C03	112	LR5232-C03	104
LR1305-C02	93	LR1902-C02	108	LR4370-CLV-C02	92	LR4414-CLV-C02	93	LR5120	112	LR5234	104
LR1305-C03	93	LR1902-C03	108	LR4370-CLV-C03	92	LR4414-CLV-C03	93	LR5120-C02	112	LR5234-C02	104
LR1306	93	LR1907	108	LR4372	92	LR4418	93	LR5120-C03	112	LR5234-C03	104
LR1306-C02	93	LR1907-C02	108	LR4372-C02	92	LR4418-BHD	93	LR5126	112	LR5236	104
LR1306-C03	93	LR1907-C03	108	LR4372-C03	92	LR4418-BHD-C02	93	LR5126-C02	112	LR5236-C02	104
LR1402	92	LR1908	108	LR4400	93	LR4418-BHD-C03	93	LR5126-C03	112	LR5236-C03	104
LR1402-C02	92	LR1908-C02	108	LR4400-BHD	93	LR4418-C02	93	LR5128	112	LR5318	109
LR1402-C03	92	LR1908-C03	108	LR4400-BHD-C02	93	LR4418-C03	93	LR5128-C02	112	LR5318-C02	109
LR1404	92	LR3102-BHF	96	LR4400-BHD-C03	93	LR4418-CLV	93	LR5128-C03	112	LR5318-C03	109
LR1404-C02	92	LR3102-BHF-C02	96	LR4400-C02	93	LR4418-CLV-C02	93	LR5130	112	LR5320	109
LR1404-C03	92	LR3102-BHF-C03	96	LR4400-C03	93	LR4418-CLV-C03	93	LR5130-C02	112	LR5320-C02	109
LR1601	113	LR3106-BHF	96	LR4400-CLV	93	LR4420	93	LR5130-C03	112	LR5320-C03	109
LR1601-C02	113	LR3106-BHF-C02	96	LR4400-CLV-C02	93	LR4420-BHD	93	LR5132	112	LR5326	109
LR1601-C03	113	LR3106-BHF-C03	96	LR4400-CLV-C03	93	LR4420-BHD-C02	93	LR5132-C02	112	LR5326-C02	109
LR1602	113	LR3108-BHF	96	LR4402	93	LR4420-BHD-C03	93	LR5132-C03	112	LR5326-C03	109
LR1602-C02	113	LR3108-BHF-C02	96	LR4402-BHD	93	LR4420-C02	93	LR5134	112	LR5328	109
LR1602-C03	113	LR3108-BHF-C03	96	LR4402-BHD-C02	93	LR4420-C03	93	LR5134-C02	112	LR5328-C02	109
LR1607	113	LR3110-BHF	96	LR4402-BHD-C03	93	LR4420-CLV	93	LR5134-C03	112	LR5328-C03	109
LR1607-C02	113	LR3110-BHF-C02	96	LR4402-C02	93	LR4420-CLV-C02	93	LR5136	112	LR5330	109
LR1607-C03	113	LR3110-BHF-C03	96	LR4402-C03	93	LR4420-CLV-C03	93	LR5136-C02	112	LR5330-C02	109
LR1608	113	LR3202-BHF	100	LR4402-CLV	93	LR4700	63-189	LR5136-C03	112	LR5330-C03	109
LR1608-C02	113	LR3202-BHF-C02	100	LR4402-CLV-C02	93	LR4700-BHD	63	LR5168	113	LR5332	109
LR1608-C03	113	LR3202-BHF-C03	100	LR4402-CLV-C03	93	LR4700-CLV	63	LR5168-C02	113	LR5332-C02	109
LR1651	112	LR3206-BHF	100	LR4404	93	LR4700-LV3	189	LR5168-C03	113	LR5332-C03	109
LR1651-C02	112	LR3206-BHF-C02	100	LR4404-BHD	93	LR4702	63-189	LR5170	113	LR5334	109
LR1651-C03	112	LR3206-BHF-C03	100	LR4404-BHD-C02	93	LR4702-BHD	63	LR5170-C02	113	LR5334-C02	109
LR1652	112	LR3208-BHF	100	LR4404-BHD-C03	93	LR4702-CLV	63	LR5170-C03	113	LR5334-C03	109
LR1652-C02	112	LR3208-BHF-C02	100	LR4404-C02	93	LR4702-LV3	189	LR5176	113	LR5336	109
LR1652-C03	112	LR3208-BHF-C03	100	LR4404-C03	93	LR4704	63-189	LR5176-C02	113	LR5336-C02	109
LR1657	112	LR3210-BHF	100	LR4404-CLV	93	LR4704-BHD	63	LR5176-C03	113	LR5336-C03	109
LR1657-C02	112	LR3210-BHF-C02	100	LR4404-CLV-C02	93	LR4704-CLV	63	LR5178	113	LR5418	108
LR1657-C03	112	LR3210-BHF-C03	100	LR4404-CLV-C03	93	LR4704-LV3	189	LR5178-C02	113	LR5418-C02	108
LR1658	112	LR3302-BHF	101	LR4406	93	LR4706	63-189	LR5178-C03	113	LR5418-C03	108
LR1658-C02	112	LR3302-BHF-C02	101	LR4406-BHF	93	LR4706-BHD	63	LR5180	113	LR5420	108
LR1658-C03	112	LR3302-BHF-C03	101	LR4406-BHF-C02	93	LR4706-CLV	63	LR5180-C02	113	LR5420-C02	108
LR1701	104	LR3306-BHF	101	LR4406-BHF-C03	93	LR4706-LV3	189	LR5180-C03	113	LR5420-C03	108
LR1701-C02	104	LR3306-BHF-C02	101	LR4406-C02	93	LR4708	63-189	LR5182	113	LR5426	108
LR1701-C03	104	LR3306-BHF-C03	101	LR4406-C03	93	LR4708-BHD	63	LR5182-C02	113	LR5426-C02	108
LR1702	104	LR3308-BHF	101	LR4410	93	LR4708-CLV	63	LR5182-C03	113	LR5426-C03	108
LR1702-C02	104	LR3308-BHF-C02	101	LR4410-BHD	93	LR4708-LV3	189	LR5184	113	LR5428	108
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LR5430	108	LU4000	121	LV1122C	37	LV1221D-CLV	37	LV1321	37	LV2232	41
LR5430-C02	108	LU4030	121	LV1122C-CLV	37	LV1222	37	LV1321-CLV	37	LV2232-CLV	41
LR5430-C03	108	LU4040	121	LV1126	37	LV1222-CLV	37	LV1321C	37	LV2236	41
LR5432	108	LU5600	75	LV1126C	37	LV1222D	37	LV1321C-CLV	37	LV2239	41
LR5432-C02	108	LU5610	75	LV1127	37	LV1222D-CLV	37	LV1322	37	LV2239-CLV	41
LR5432-C03	108	LU5620	75	LV1127-BHD	37	LV1226	37	LV1322-CLV	37	LV2301	40
LR5434	108	LU5630	75	LV1127C	37	LV1226D	37	LV1322C	37	LV2301-CLV	40
LR5434-C02	108	LU5630-BHD	75	LV1127C-BHD	37	LV1227	37	LV1322C-CLV	37	LV2302	40
LR5434-C03	108	LU5661	75	LV1129	37	LV1227-BHD	37	LV1326	37	LV2302-CLV	40
LR5436	108	LU5662	75	LV1129-BHD	37	LV1227D	37	LV1326C	37	LV2304	40
LR5436-C02	108	LU5664	75	LV1129-CLV	37	LV1227D-BHD	37	LV1327	37	LV2306	40
LR5436-C03	108	LU5665	75	LV1129C	37	LV1229	37	LV1327-BHD	37	LV2306-CLV	40
LS5017-BHD	83	LU5666	75	LV1129C-BHD	37	LV1229-BHD	37	LV1327C	37	LV2308	40
LS5017-BHF	83	LU5667	75	LV1129C-CLV	37	LV1229-CLV	37	LV1327C-BHD	37	LV2309	40
LS5019-BHD	83	LU5699	75	LV11402	32	LV1229D	37	LV1329	37	LV2309-CLV	40
LS5019-BHF	83	LU5700	75	LV11402C	32	LV1229D-BHD	37	LV1329-BHD	37	LV2331	41
LS5021-BHD	83	LU5710	75	LV11422	32	LV1229D-CLV	37	LV1329-CLV	37	LV2331-CLV	41
LS5021-BHF	83	LU5720	75	LV11422C	32	LV12402	32	LV1329C	37	LV2332	41
LS5031	83	LU5730	75	LV11502	32	LV12402D	32	LV1329C-BHD	37	LV2332-CLV	41
LS5031-BHD	83	LU5730-BHD	75	LV11502C	32	LV12422	32	LV1329C-CLV	37	LV2336	41
LS5031-BHD-DPP	83	LU5740	75	LV11522	32	LV12422D	32	LV13402	32	LV2339	41
LS5031-DPP	83	LU5750	75	LV11522C	32	LV12502	32	LV13402C	32	LV2339-CLV	41
LS5033	83	LU5760	75	LV11622	32	LV12502D	32	LV13422	32	PLD01000-C03-SB3	203
LS5033-BHD	83	LU5770	75	LV11622C	32	LV12522	32	LV13422C	32	PLD01000-C04-SB3	203
LS5033-BHD-DPP	83	LU5770-BHD	75	LV11722	32	LV12522D	32	LV13502	32	PLD01050-C03-SB3	203
LS5033-DPP	83	LV1101	36	LV11722C	32	LV12622	32	LV13502C	32	PLD01050-C04-SB3	203
LS5035	83	LV1101-CLV	36	LV11802	32	LV12622D	32	LV13522	32	PLD01100-C03-SB3	203
LS5035-BHD	83	LV1101C	36	LV11802C	32	LV12722	32	LV13522C	32	PLD01100-C04-SB3	203
LS5035-BHD-DPP	83	LV1101C-CLV	36	LV1201	36	LV12722D	32	LV13622	32	PLD01150-C03-SB3	203
LS5035-DPP	83	LV1102	36	LV1201-CLV	36	LV12802	32	LV13622C	32	PLD01150-C04-SB3	203
LS5037	83	LV1102-CLV	36	LV1201D	36	LV12802D	32	LV13722	32	PLD01200-C03-SB3	203
LS5037-BHD	83	LV1102C	36	LV1201D-CLV	36	LV1301	36	LV13722C	32	PLD01200-C04-SB3	203
LS5037-BHD-DPP	83	LV1102C-CLV	36	LV1202	36	LV1301-CLV	36	LV13802	32	PLD03550-C03-SB3	203
LS5037-DPP	83	LV1103	36	LV1202-CLV	36	LV1301C	36	LV13802C	32	PLD03550-C04-SB3	203
LS5045	83	LV1103C	36	LV1202D	36	LV1301C-CLV	36	LV2101	40	PLD07100	203
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LS5045-BHD-DPP	83	LV1104C	36	LV1203	36	LV1302-CLV	36	LV2102	40	PLD07200	203
LS5045-DPP	83	LV1105	36	LV1203D	36	LV1302C	36	LV2102-CLV	40	PLD07250	203
LS5050	82	LV1105C	36	LV1204	36	LV1302C-CLV	36	LV2104	40	PLD07300	203
LS5051	82	LV1106	36	LV1204D	36	LV1303	36	LV2106	40	PLD07350	203
LS5052	82	LV1106-CLV	36	LV1205	36	LV1303C	36	LV2106-CLV	40	PLD07450	203
LS5054	82	LV1106C	36	LV1205D	36	LV1304	36	LV2108	40	PLD07450-DPP	203
LS5055	82	LV1106C-CLV	36	LV1206	36	LV1304C	36	LV2109	40	PLD07500	203
LS5101	82	LV1107	36	LV1206-CLV	36	LV1305	36	LV2109-CLV	40	PLD07500-DPP	203
LS5110	82	LV1107-BHD	36	LV1206D	36	LV1305C	36	LV2131	41	PLD07510	203
LS5111	82	LV1107-CLV	36	LV1206D-CLV	36	LV1306	36	LV2131-CLV	41	PLD07510-DPP	203
LS5112	82	LV1107C	36	LV1207	36	LV1306-CLV	36	LV2132	41	PLD07550	203
LS5113	82	LV1107C-BHD	36	LV1207-BHD	36	LV1306C	36	LV2132-CLV	41	PLD07600	203
LS62771	194	LV1107C-CLV	36	LV1207-CLV	36	LV1306C-CLV	36	LV2136	41	PLF1010	130
LS62781	194	LV1108	36	LV1207D	36	LV1307	36	LV2139	41	PLF5010	130
LS62781-BHF	194	LV1108C	36	LV1207D-BHD	36	LV1307-BHD	36	LV2139-CLV	41	PLR03050	203
LS62802	194	LV1109	36	LV1207D-CLV	36	LV1307-CLV	36	LV2201	40	PLR03050-DPP	203
LS62802-BHF	194	LV1109-BHD	36	LV1208	36	LV1307C	36	LV2201-CLV	40	PLR03060	203
LU2500-VAV	119	LV1109-CLV	36	LV1208D	36	LV1307C-BHD	36	LV2202	40	PLR03060-DPP	203
LU2510-VAV	119	LV1109C	36	LV1209	36	LV1307C-CLV	36	LV2202-CLV	40	PLR03350	203
LU2540-VAV	119	LV1109C-BHD	36	LV1209-BHD	36	LV1308	36	LV2204	40	PLR03350-DPP	203
LU2550-VAV	119	LV1109C-CLV	36	LV1209-CLV	36	LV1308C	36	LV2206	40		
LU2560-VAV	119	LV1121	37	LV1209D	36	LV1309	36	LV2206-CLV	40		
LU2800-VAV	119	LV1121-CLV	37	LV1209D-BHD	36	LV1309-BHD	36	LV2208	40		
LU2810-VAV	119	LV1121C	37	LV1209D-CLV	36	LV1309-CLV	36	LV2209	40		
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