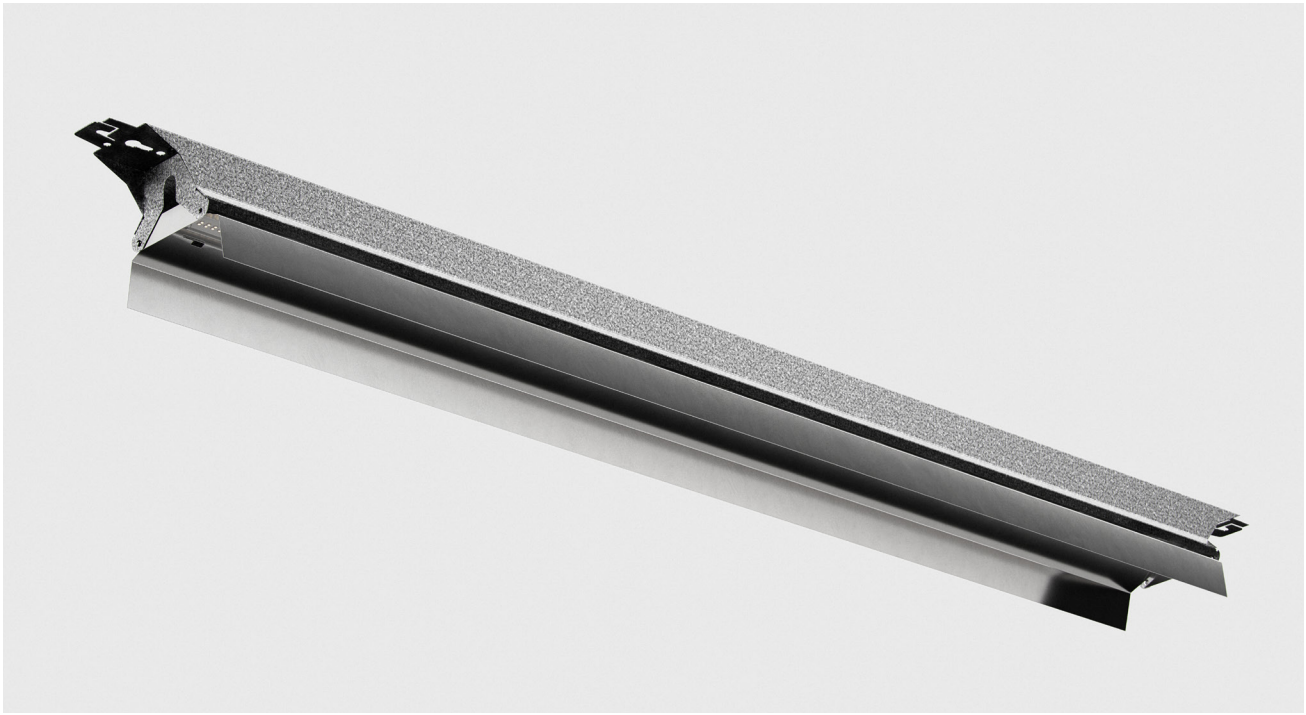
VIZULO

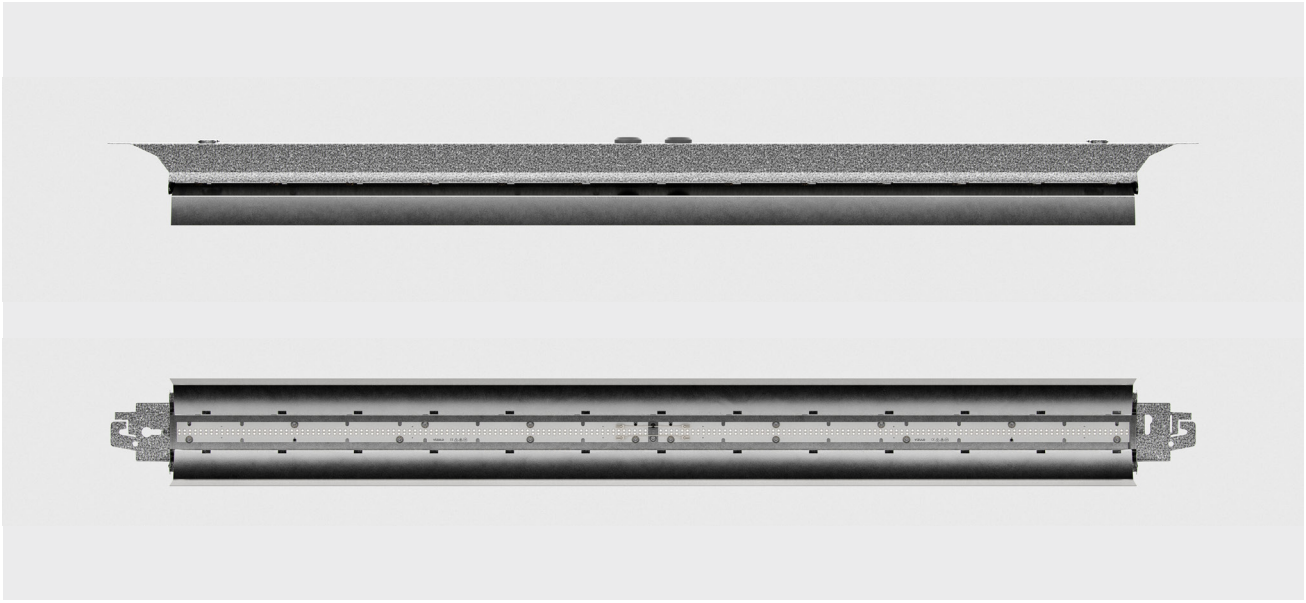


OAK

GEN2

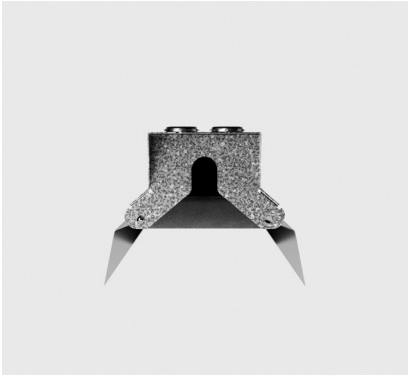
Oak

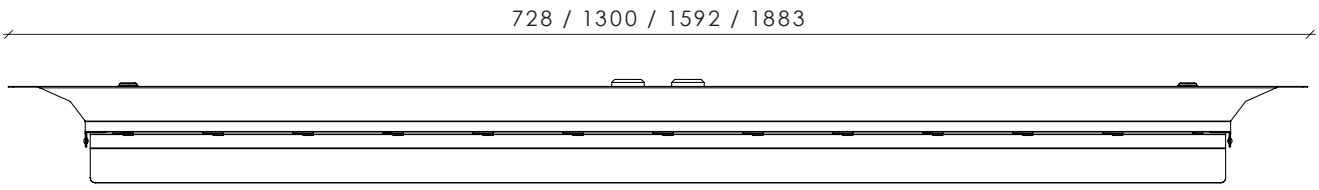


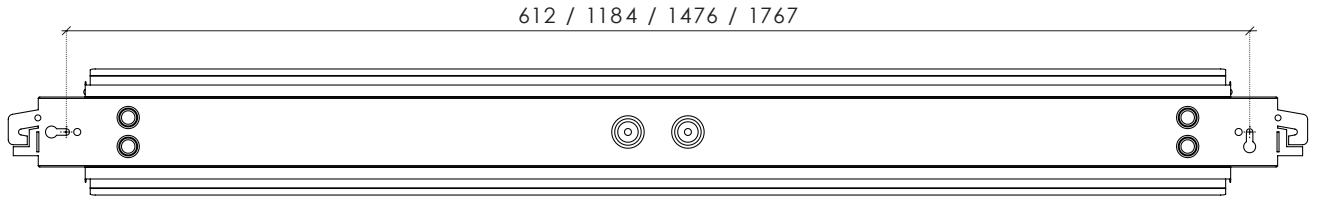


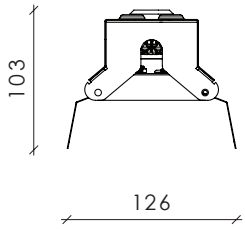




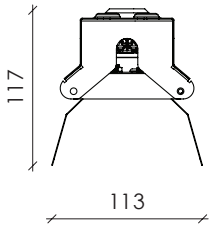




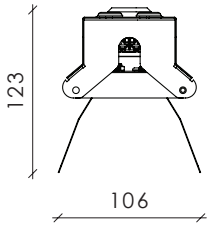




Wide

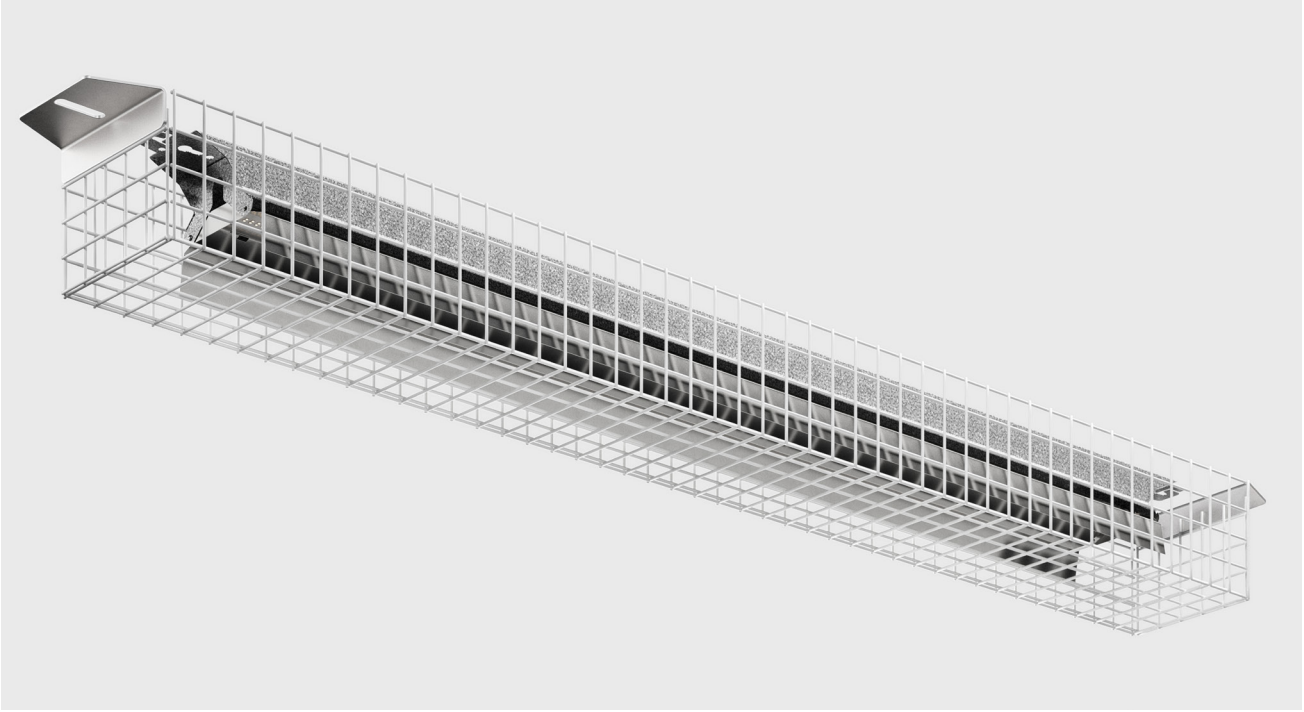


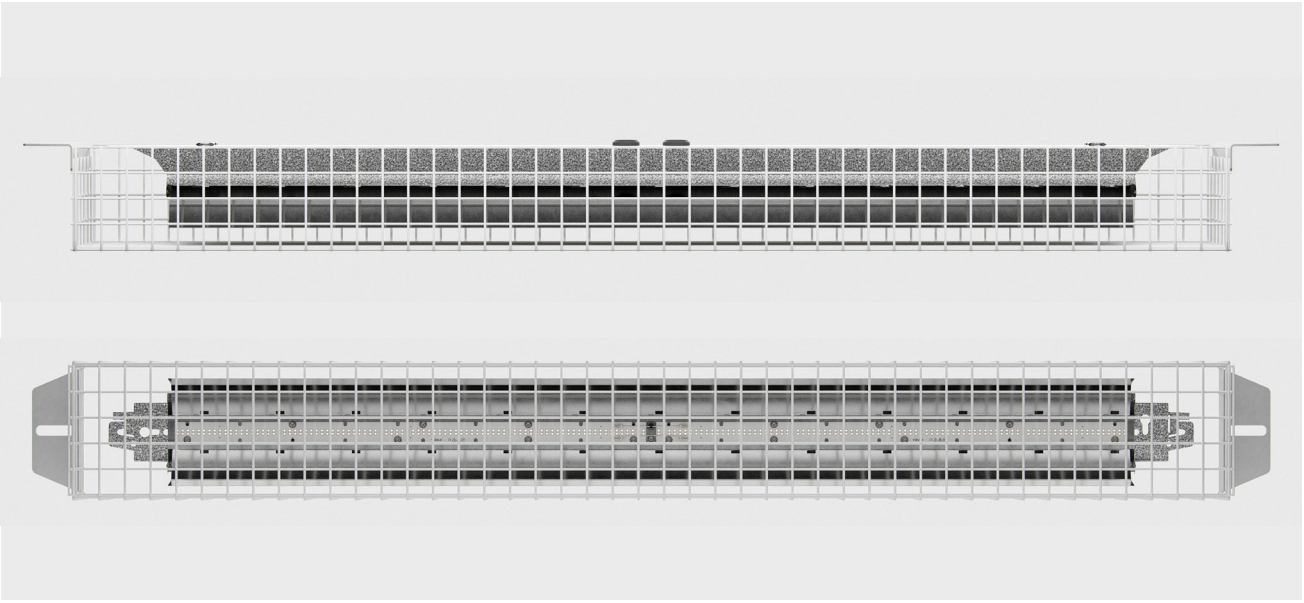
Medium

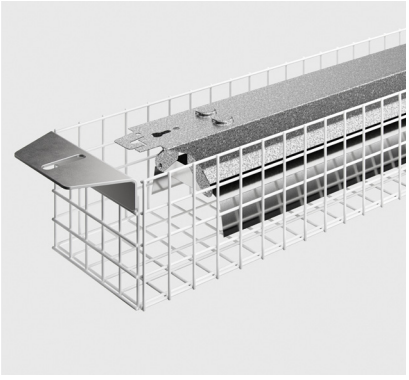


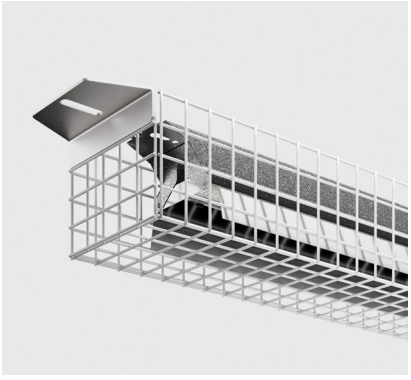
Narrow

Oak with protection mesh



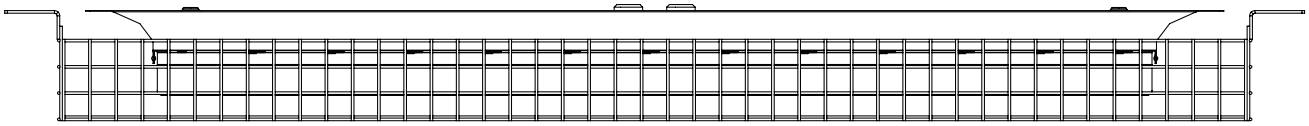


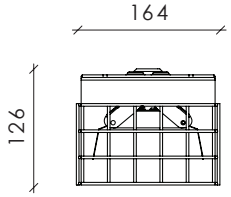




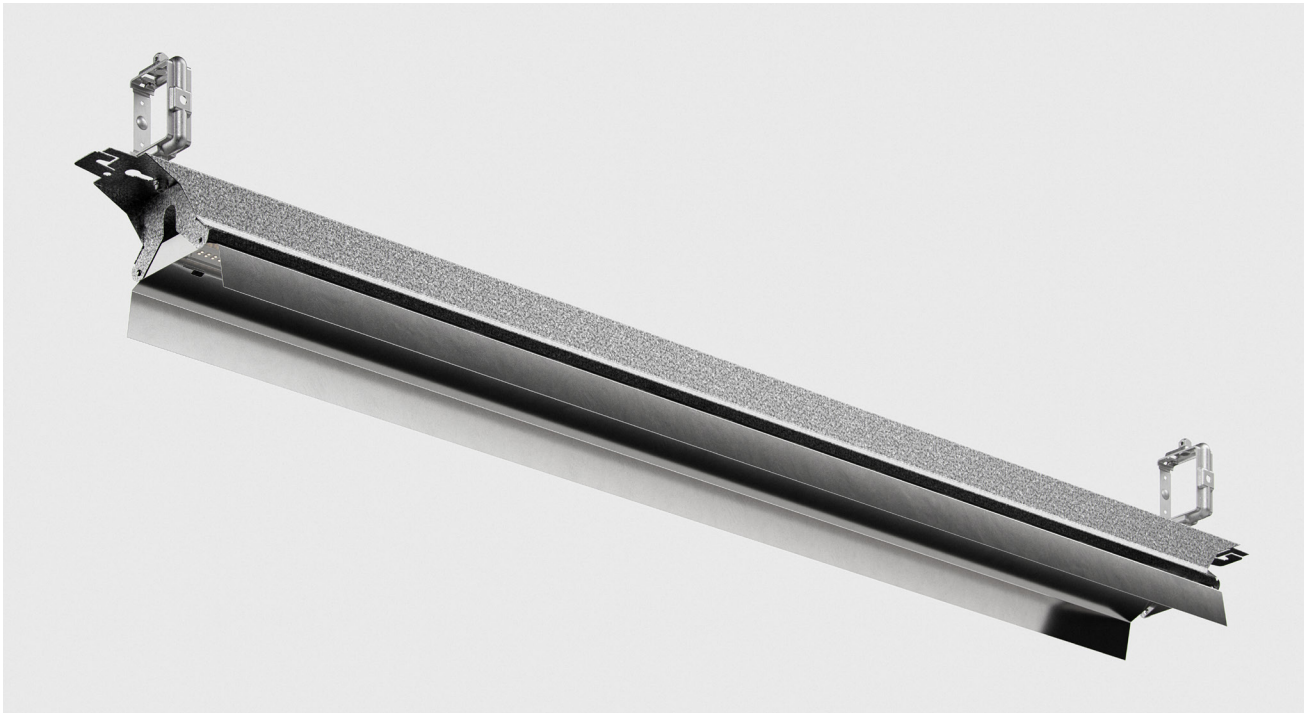


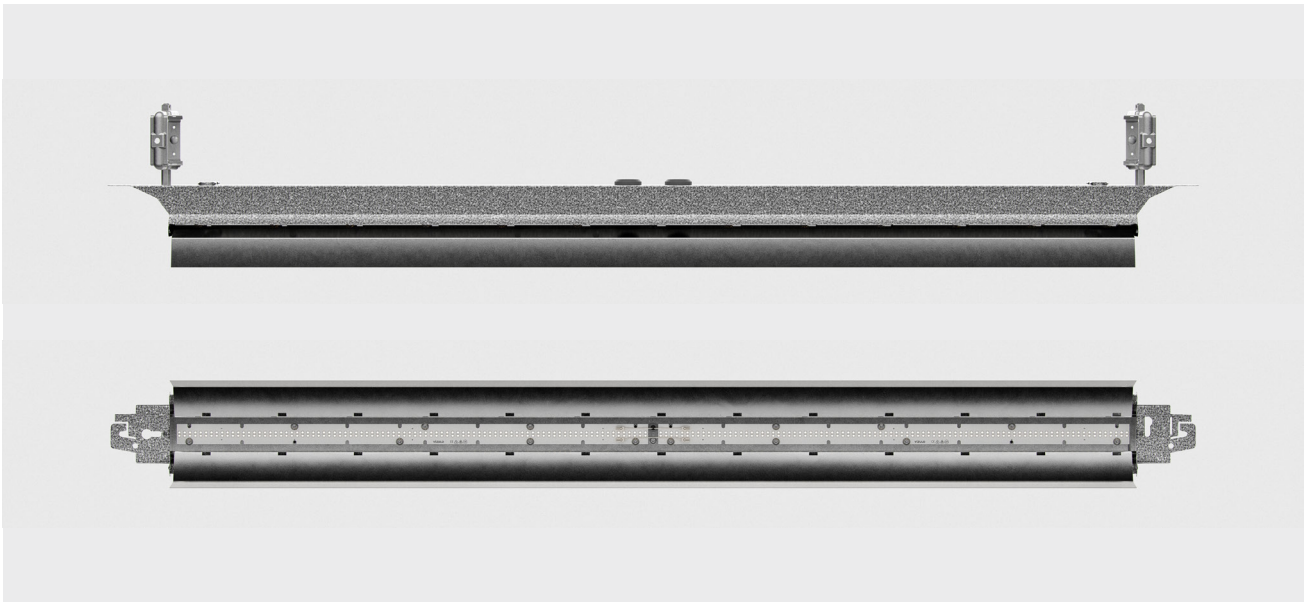
911 / 1484 / 1784 / 2081





Oak with Canalis

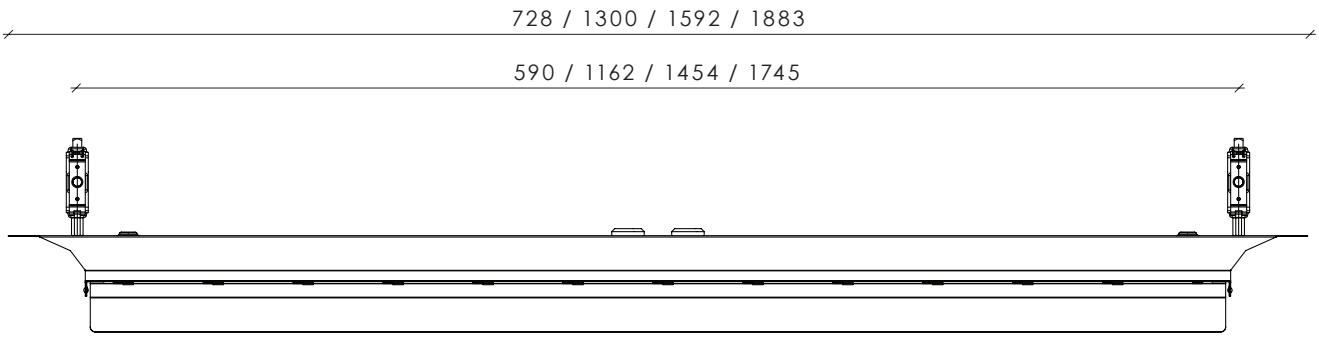


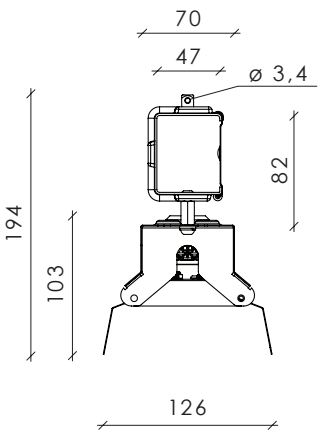




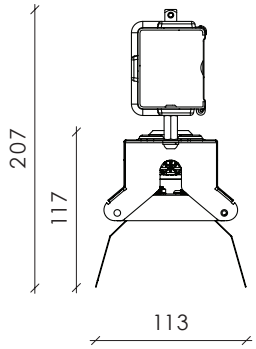




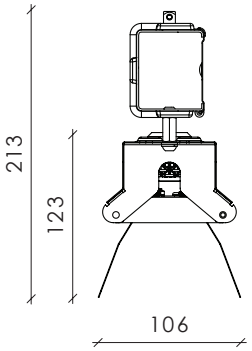




Wide



Medium



Narrow

Applications



↘ Warehouse

Technical information

V	220 - 240
Hz	50 - 60
W	15 - 136
lm	Up to 20312 [1]
	Up to 21327 [2]
lm/W	151 - 174
K	3000 / 4000 [3]
°C	+10 to +50 | 15 - 75 W
	+10 to +40 | 76 - 136 W
CRI	>80 / >90 / >95 [4]
	>90 / >95 [5]

Body:	Alu - zinc
Dimming:	DALI / 1-10 V / Bluetooth / Non dimmable
Sensor:	Microwave / PIR / PIR + Daylight
Initial chromaticity:	MacAdam 3
Lifetime:	100 000 h (L80B10) at Ta = 25 °C*
	50 000 h (L90B10) at Ta = 25 °C*
Warranty:	5 years
	2 years (emergency configuration)
Mounting:	Wire / Surface / Pendant
Cover:	Clear
Human Centric Lighting:	Available

1) Standard version, lumen output indicated at CRI > 80

2) Premium version, lumen output indicated at CRI > 80

3) 1800 / 2200 / 2700 / 3500 / 5000 / 5700 / 6500 K available on request along with other not listed CRI and CCT

4) Standard LED CRI

5) Sun-Mimic LED CRI

*This value is only informative and may change according to selected article. LED Lifetime is strongly depending from LEDs current and junction temperature – increase in LED current and luminaire power lead to increase of junction temperature and as consequence lifetime decrease. Thus, luminaire models with lower power, lower current (and lower junction temperature) will have higher lifetime than standard models. And high power and high current luminaire models may have negative lifetime deviation comparing to standard models. To receive precise value please contact VIZULO export representatives.

Technical parameters for final product can differ from typical data by 7% due to special conditions of LED manufacturing processes.

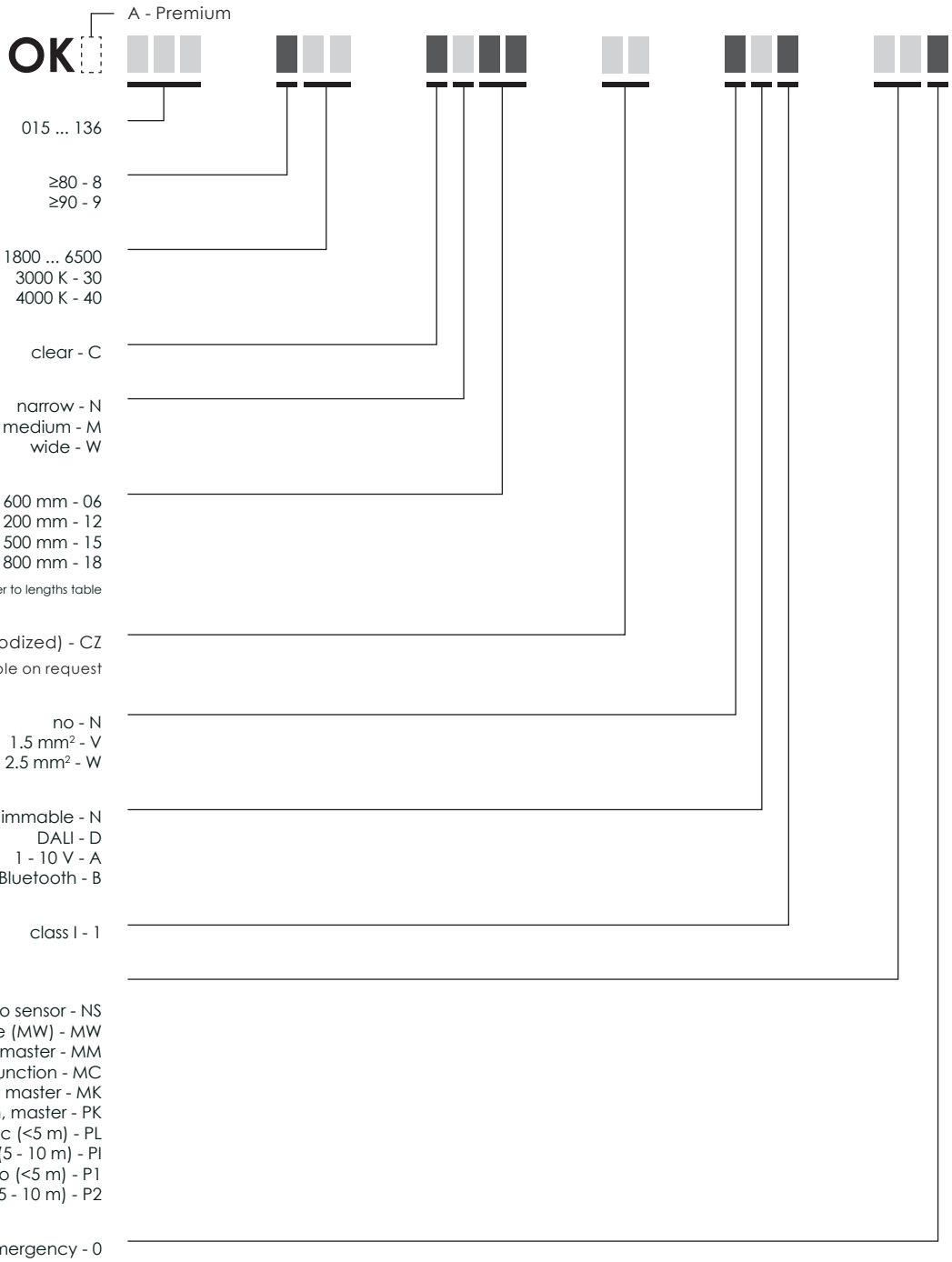
Oak Length - Power Table

	Length	*600 mm*	*1200 mm*	*1500 mm ***	*1800 mm ***
	Power (min/max)	15/27 W	27/110 W	40/136 W	40/136 W
Standard	Lumens (min/max)*	2264/ 4074 lm	3896/ 15875 lm	6063/ 18076 lm	6236/ 20312 lm
Premium	Lumens (min/max)*	2379/ 4282 lm	4061/ 16546 lm	6392/ 18979 lm	6458/ 21327 lm

* Luminous flux indicated at 4000 K, CRI > 80

** Narrow premium and standard options are not available

Model name principles



Power [W] 015 ... 136

Color rendering index
≥80 - 8
≥90 - 9

Color temperature [K] 1800 ... 6500
Standard values:
3000 K - 30
4000 K - 40

Diffuser clear - C

Beam angle
narrow - N
medium - M
wide - W

Length
600 mm - 06
1200 mm - 12
1500 mm - 15
1800 mm - 18
for standard luminaire lengths refer to lengths table

Color silver (anodized) - CZ
other colors available on request

Through wiring
no - N
1.5 mm² - V
2.5 mm² - W

Dimming
non dimmable - N
DALI - D
1 - 10 V - A
Bluetooth - B

Insulation class I - 1

Sensor
no sensor - NS
microwave (MW) - MW
MW, master - MM
MW, corridor function - MC
MW, corridor function, master - MK
PIR sensor, corridor function, master - PK
PIR DALI Basic (<5 m) - PL
PIR DALI Basic (5 - 10 m) - PI
PIR DALI Pro (<5 m) - P1
PIR DALI Pro (5 - 10 m) - P2

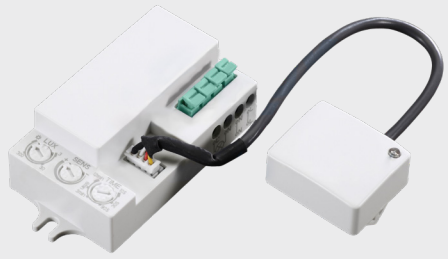
Emergency
no emergency - 0
1 hour - 1
3 hours - 3

EXAMPLE OK 090 840 CM12 CZ WN1 NS0

Sensors

Microwave sensor

Power Source:	220 – 240 VAC (50/60 Hz)
Rated load:	400 W
Stand-by power:	<0.5 W
Sensitivity:	10% / 50% / 75% / 100%
Hold-time:	5 s / 90 s / 5 min / 15 min *
Daylight sensor:	2 lux / 10 lux / 50 lux, disable *
Microwave frequency:	5.8 GHz +/- 75 MHz
Detection range (diameter):	10 m *
Installing Height (Max):	6 m *
Detection angle:	30° ~ 150° *
Working temperature:	-20 °C ~ 60 °C **
IP rating:	IP20
Certificates:	Semko, CB, CE, RCM, RoHS, RED



Daylight sensor

Power Source:	220 - 240 V
DALI output devices:	10 / 32
DALI output:	2 Channels
Type:	Light and presence
Max. Detection area (Ø):	7 - 9 m
Max. installation height:	5 m
Presence detection angle:	40 - 90° (fixed or adjustable)
Light-control range:	10 - 800 lux
Hold-time:	User-definable
Working temperature:	-20 °C ~ 50 °C **
Remote control (optional):	Set and control with IR remote control ***



* Other values available on demand, contact us for more information!

** Minimal Luminaire working temperature will be same or higher than for specific Sensors (if used)

*** Remote control can be ordered separately

PIR Basic / DALI Basic / DALI Pro sensor (up to 5 m)*

Power Source:	DALI
Mounting height (H):	2 - 5 m
Detection range for PIR (max):	8 m (@H = 5 m)
Detection angle for PIR:	84°
Detection angle for light measurement:	30° - 60°
Light-control range:	0.5 - 2000 lux (adjustable)
Working temperature:	-20 °C ~ +50 °C **
Min. temperature difference between ambient temperature and detected object:	± 4 °C
Remote control (optional):	Set and control with IR remote control ***



Mid-range DALI-2 multisensor (PIR sensor)

Power Source:	DALI
Mounting height (H):	5 - 10 m
Detection range for PIR (Max.):	8 m (@H = 10 m)
Detection angle for PIR:	72 ° / 44° (tagential / radial)
Detection angle for light measurement:	30 ° - 40 °
Light-control range:	0.5 - 2000 lux (adjustable)
Working temperature:	-20 °C ~ 50 °C **
Min. temperature difference between ambient temperature and detected object:	± 4 °C
Remote control (optional):	Set and control with IR remote control ***



* Available PIR sensor types:

- ***Basic*** - requires no external controller (no connection to external DALI network allowed);
- ***Pro*** - External controller required.

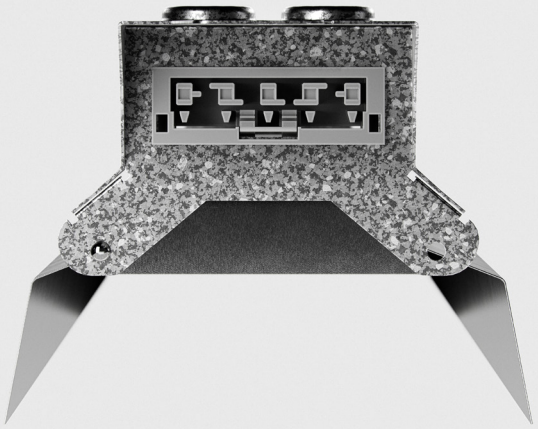
** Minimal Luminaire working temperature will be same or higher than for specific Sensors (if used)

*** Remote control can be ordered separately

Integrated quick connect



↘ Quick connect



MULTIPLE OPTIONS AVAILABLE ON REQUEST:

5x1.5 mm² with Wago Winsta 5p connectors
5x1.5 mm² with Wieland 5p connectors
5x1.5 mm² with Ensto 5p connectors
5x2.5 mm² with Wago Winsta 5p connectors
5x2.5 mm² with Wieland 5p connectors
5x2.5 mm² with Ensto 5p connectors

Emergency lighting

OAK has an option to have Emergency lighting (**max power 75 W**)

Features

- Self contained emergency lighting
- 1 or 3 h rated duration
- Dimmable and non-dimmable versions available
- Constant power output
- Deepdischarge protection

While Mains voltage is present Emergency controller is also charging the connected battery.
Rated emergency duration can be chosen (based on battery capacity) and can be 1 h or 3 h.

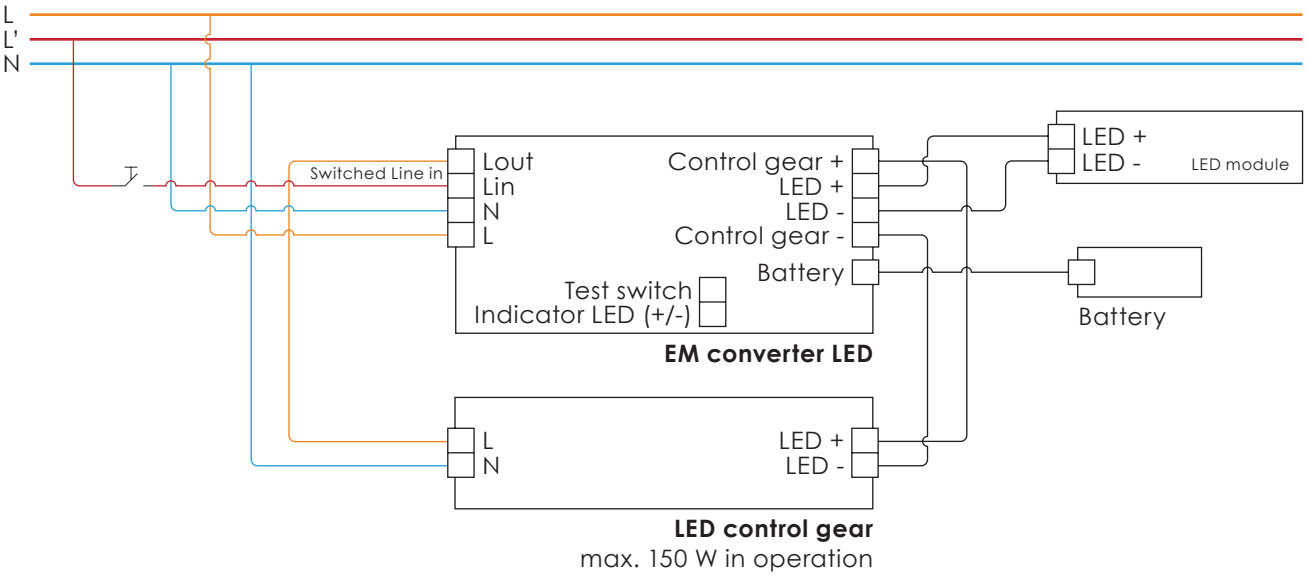
Operation

OAK luminaire which is equiped with Emergency lighting will work in 2 modes based on electrical conditions:

1. If Mains voltage is present, luminaire will work with its programmed power (just like in case without Emergency lighting.

2. If there is outage of Mains voltage, luminaire will work in Emergency mode with little power (about 2.5 W) while feeding from the battery.

Simple wiring diagram



Additional Test switch
For connection to the emergency
For checking the device function



Status indication LED
Two-colour status display LED (bi-color)
Green: system OK, Red: fault

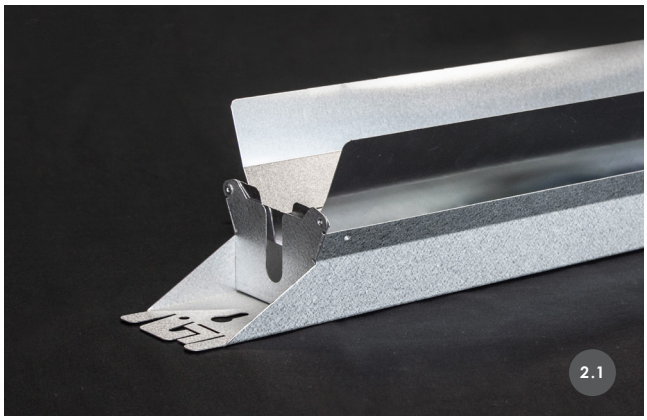


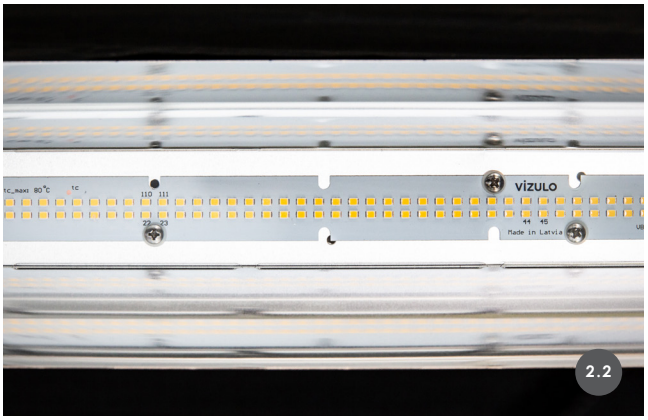
Exploring Oak

Easy cable installation through grommets



High quality photometry is provided by three types of aluminium reflectors





Functional screw hole slots





For fast installation, easy luminaire opening

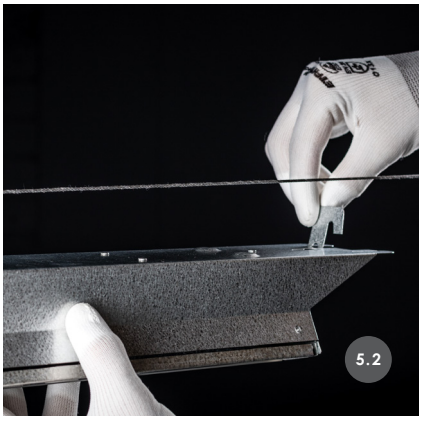






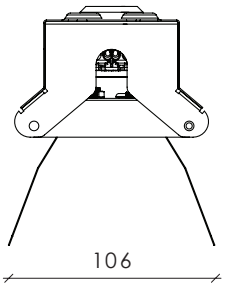
For fast suspended mounting using the integrated bracket

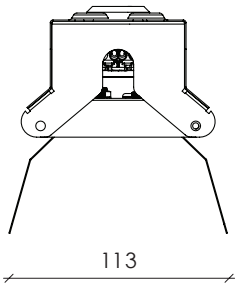


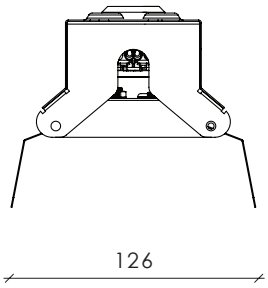




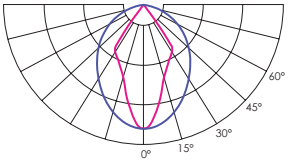
Three different beam angles - narrow, medium, wide



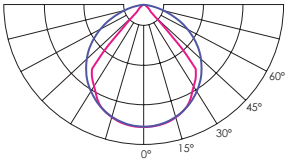




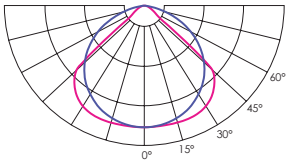
Standard



Narrow

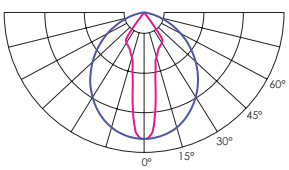


Medium

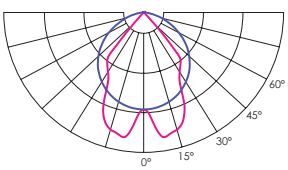


Wide

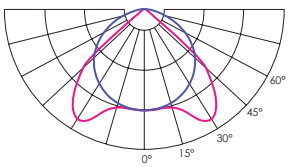
Premium



Narrow



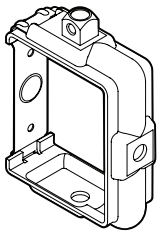
Medium



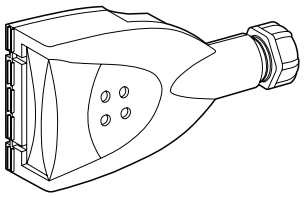
Wide

Accessories

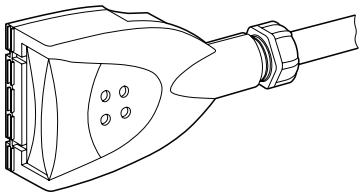
Schneider Canalis universal fixing bracket, galvanized *Art. 70068004*



Schneider Canalis tap-off unit, 10 A, phase selection - KBC10DCB20 *Art. 70068005*

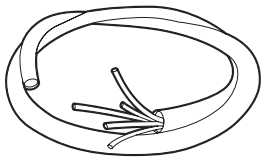


Schneider Canalis tap-off unit, 10 A, phase selection, pre-wired with 1 m cable - KBC10DCC211 *Art. 70068006*



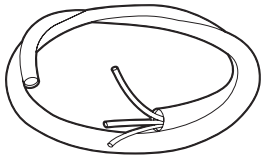
Connection cable 5x1.5 mm² (x2.5 m) with open end *Art. 70042016*

Connection cable 5x2.5 mm² (x2.5 m) with open end *Art. 70042017*

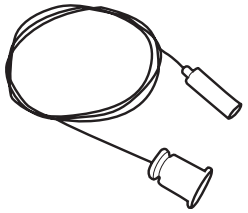


Connection cable 3x1.5 mm² (x2.5 m) with open end *Art. 70042018*

Connection cable 3x2.5 mm² (x2.5 m) with open end *Art. 70042019*

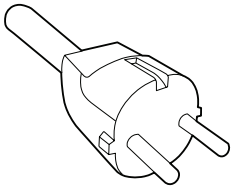


Milzo Number 2 standard suspension, set for one fixing point, black *Art. 77112009*



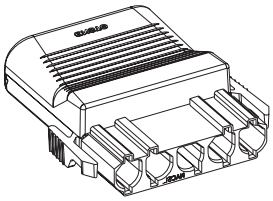
Connection cable 3x1.5 mm² (x2.5 m) with plug

Art. 70042022



Connection cable 5x1.5 mm² (x2.5 m) with Ensto (NAC51S.W) 5-way plug

Art. 70042009

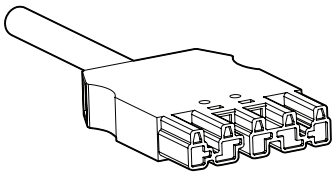


Connection cable 5x1.5 mm² (x2.5 m) with Wago Winsta (770-115) 5-way plug

Art. 70042007

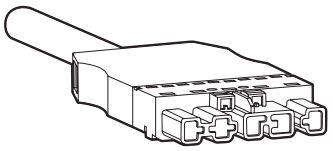
Connection cable 5x2.5 mm² (x2.5 m) with Wago Winsta (770-115) 5-way plug

Art. 70042012



Connection cable with DALI 5x1.5 mm² (x2.5 m) with Wago Winsta (770-1115) 5-way plug

Art. 70042030



Oak design line

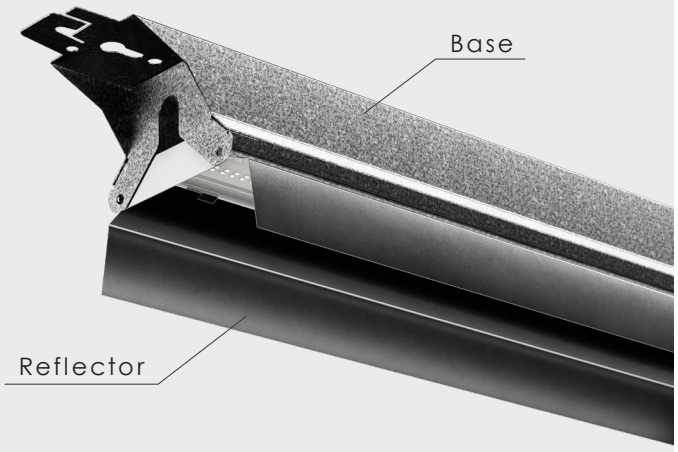
CUSTOM BASE COLOR *

RAL9006
DB703
RAL9005

CUSTOM REFLECTOR COLOR *
(available for 600 / 1200 mm)

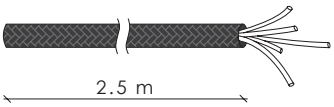
TITANIUM
ROSE QUARZ
ALUNOR

* Other colors available on request



Black stranded PVC cable with black fabric

RR27XN 2 x 0.75 mm² (x 2.5 m) ..... *Art. 70100160*
RR37XN 3 x 0.75 mm² (x 2.5 m) ..... *Art. 70100161*
RR47XN 4 x 0.75 mm² (x 2.5 m) ..... *Art. 70100162*
MV57XN 5 x 0.75 mm² (x 2.5 m) ..... *Art. 70100163*



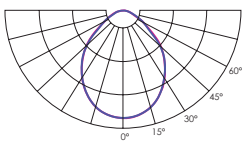
Cable with coloured fabric

Colours available on request:

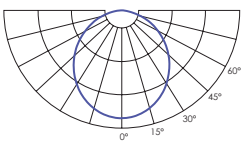
black	brown	grey	turquoise
carmine	red	orange fluo	fuchsia fluo
gold	yellow	white	

Diffuser options

Microprismatic



Opal



Certification

CE – conformity with European Union's health, safety and environmental protection standards

The CE mark is placed on products to state conformity with the relevant EU health, safety and environmental protection standards. In case of electronic products, the standards are, for example, the Restriction of Hazardous Substances in Electrical and Electronic Equipment (RoHS) directive, Waste Electrical and Electronic Equipment (WEEE) directive, the Electromagnetic Compatibility (EMC) directive etc. The mark ensures that the product can be sold anywhere in the European Economic Area (EEA).

UKCA - conformity with the relevant essential requirements of Great Britain

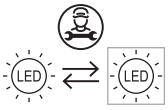
UKCA is a product mark intended to demonstrate compliance with the directives set by Great Britain (England, Scotland and Wales). It is analogous to the European Union's CE marking, meaning that depending on the type of product the applicable regulations are different. In case of LED lighting, the relevant requirements are compliance with the Electromagnetic Compatibility Regulations, the Electrical Equipment (Safety) Regulations, the Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment Regulations and the Ecodesign for Energy-Related Products and Energy Information (Lighting Products) Regulations.

RoHS – compliance with European Union's RoHS directive

The RoHS (Restriction of Hazardous Substances in Electrical and Electronic Equipment) directive restricts (with exceptions) the use of ten hazardous materials in the manufacture of various types of electronic and electrical equipment. The aim of the directive is to prevent the risks posed to human health and the environment related to the management of electronic and electrical waste.

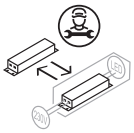
International EPD System – Environmental Product Declaration available

An Environmental Product Declaration (EPD) is a declaration of the materials, energy, transportation and other resources involved in the production, use and end-of life of a specific product. It is based on a Life Cycle Assessment (LCA) study that complies with standards EN ISO 14040 and EN ISO 14044. A product's EPD can help evaluate its impact on the environment and make sustainable choices.



LED module replaceable by a professional

This pictogram shows that the LED modules included in the luminaire are only replaceable by a professional. This labeling is a requirement folowing the introdution of European Union's Regulation on energy labelling for light sources (EU) 2019/2015.



LED driver replaceable by a professional

This pictogram shows that the LED driver included in the luminaire is only replaceable by a professional. This labeling is a requirement folowing the introdution of European Union's Regulation on energy labelling for light sources (EU) 2019/2015.



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