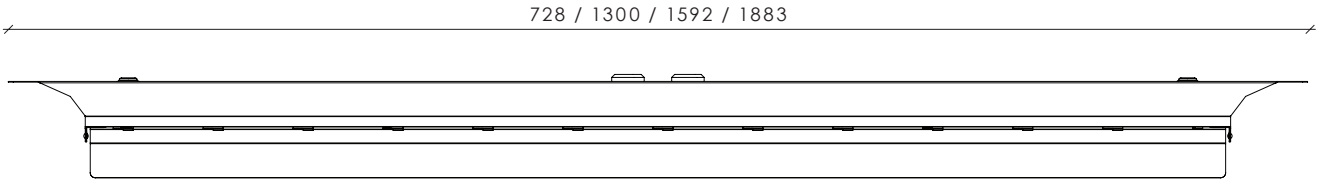
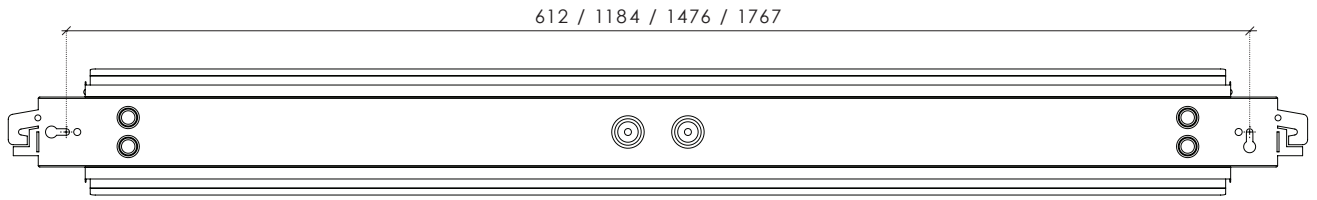
VIZULO

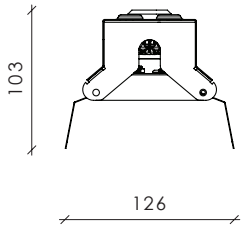
OAK

GEN2

Oak







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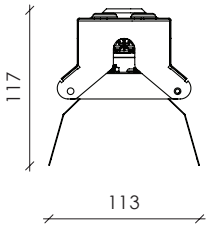

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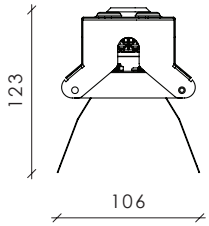
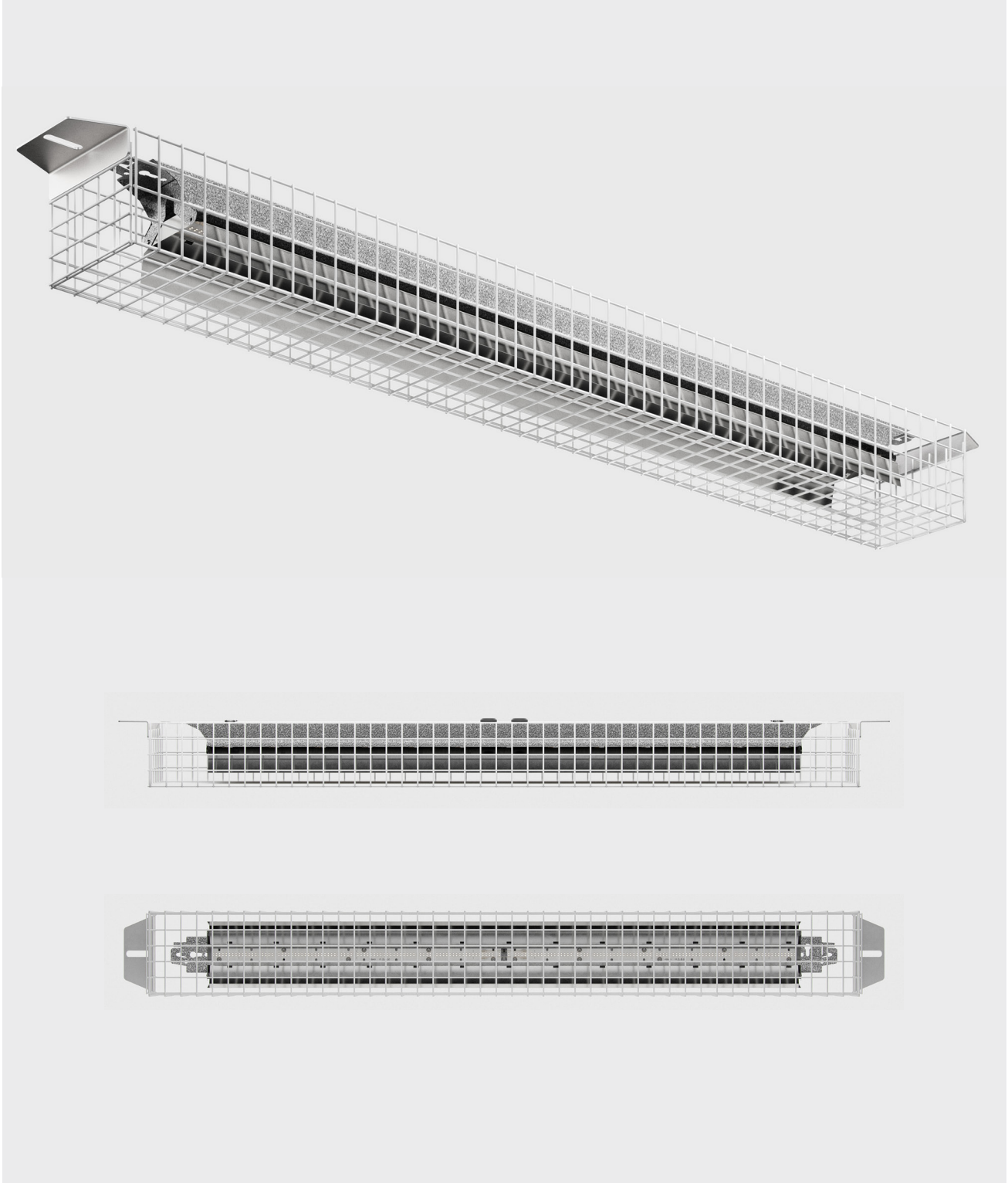
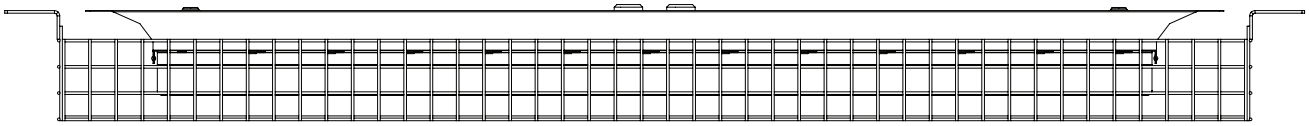


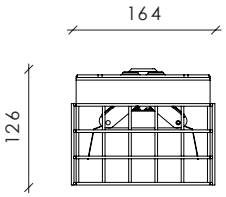
Narrow

Oak with protection mesh

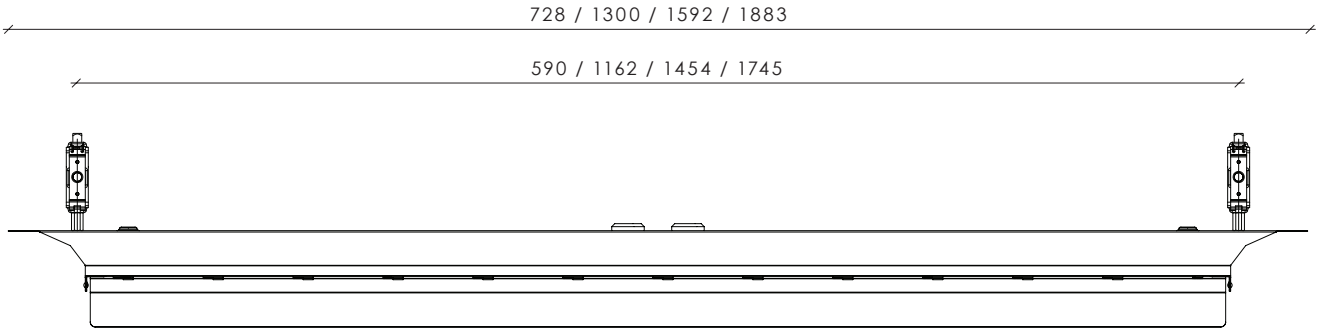


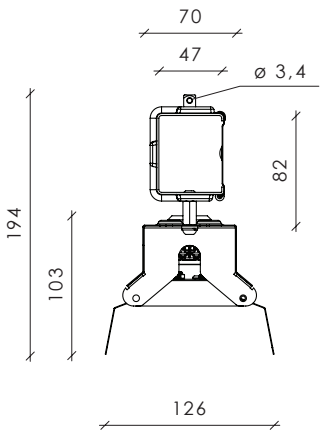
911 / 1484 / 1784 / 2081





Oak with Canalis





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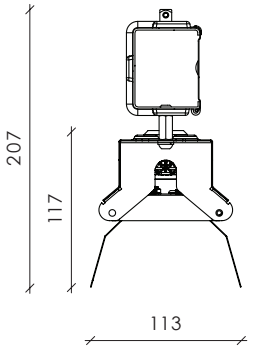
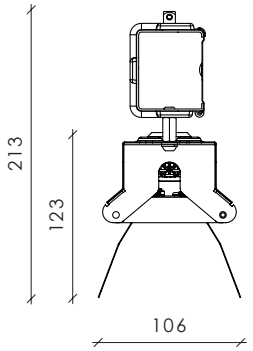


Medium



Narrow

Applications

↘ Warehouse

Technical information

V	220 - 240
Hz	50 - 60
W	15 - 110
lm	Up to 17150 [1]
	Up to 17760 [2]
lm/W	151 - 174
K	3000 / 4000 [3]
°C	+10 to +50 | 15 - 75 W
	+10 to +35 | 76 - 110 W
CRI	>80 / >90 / >95 [4]
	>90 / >95 [5]

Body:	Alu - zinc
Dimming:	DALI / 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 > 70

2) Premium version, lumen output indicated at CRI > 70

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.

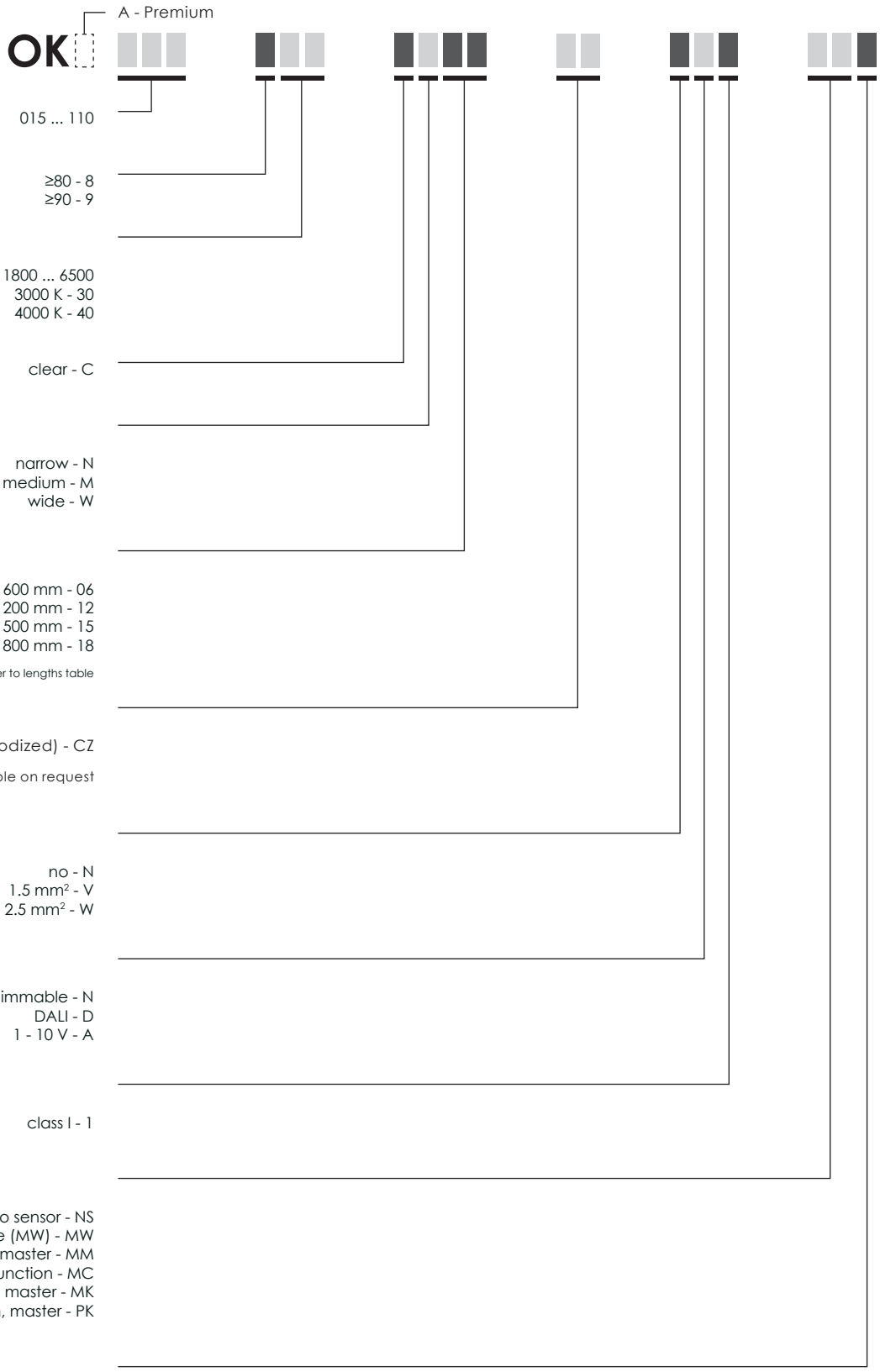
Oak Length - Power Table

	Length	*600 mm*	*1200 mm*	*1500 mm ***	*1800 mm ***
	Power (min/max)	15/27 W	27/110 W	40/110 W	40/110 W
Standard	Lumens (min/max)*	2264/ 4074 lm	3896/ 15875 lm	6063/ 16675 lm	6236/ 17150 lm
Premium	Lumens (min/max)*	2379/ 4282 lm	4061/ 16546 lm	6392/ 17576 lm	6458/ 17760 lm

* Luminous flux indicated ae 4000 K, CRI > 80

** Narrow premium and standard options are not available

Model name principles



Power [W]
015 ... 110

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 mm^2 - V
2.5 mm^2 - W

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

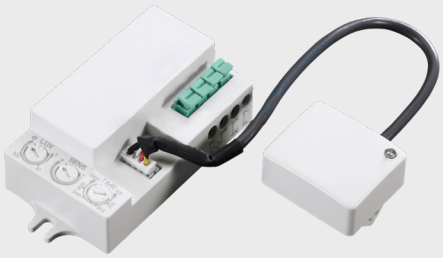
Insulation
class I - 1

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

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

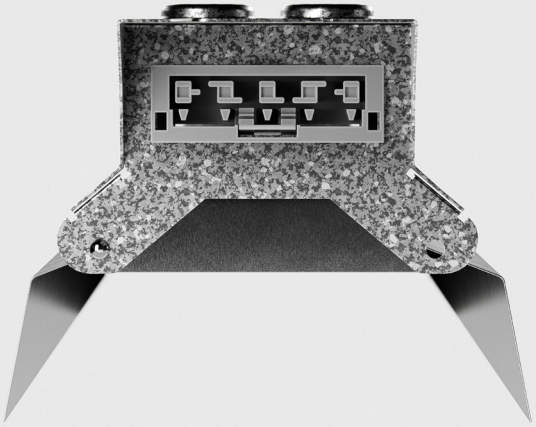
PIR SENSOR

Power Source:	110-130 VAC or 220-240 VAC
Rated load:	200 W
Time setting:	5 s / 30 s / 1 min / 3 min / 5 min / 8 min (adjustable)
Detection range (Max):	8 m
Detection angle (Max):	100°
Light control:	< 10 - 2000 lux (adjustable)
Relative humidity:	<93% RH
Detection moving speed:	0.6 ~ 1.5 m/s
Working temperature:	-10 ~ +40 °C
Certificates:	CE, RoHS, EMC

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

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

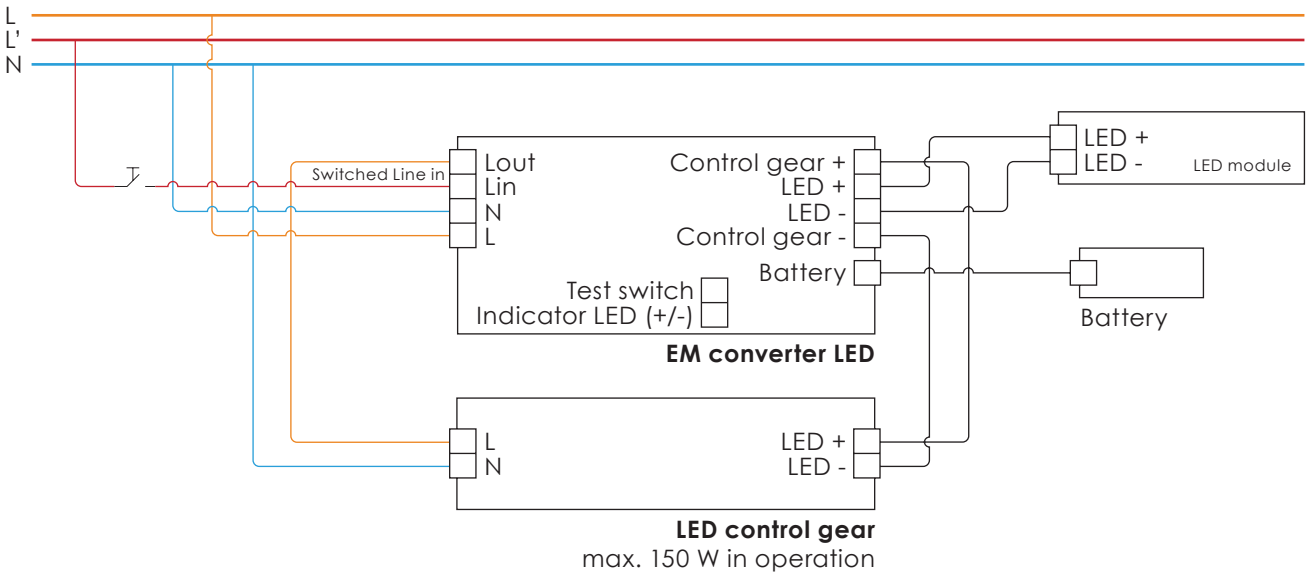
Operation

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



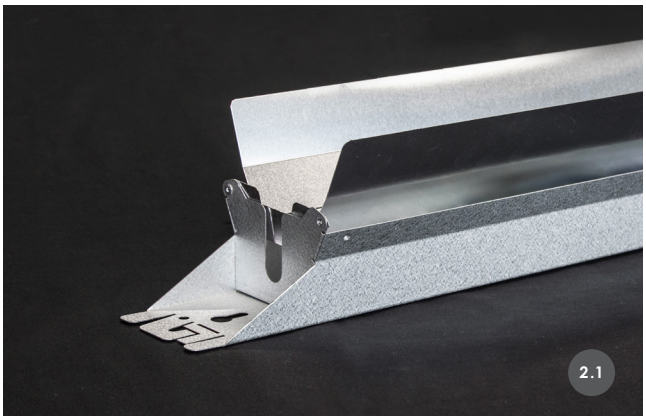
Additional Test switch
For connection to the emergency
For checking the device function

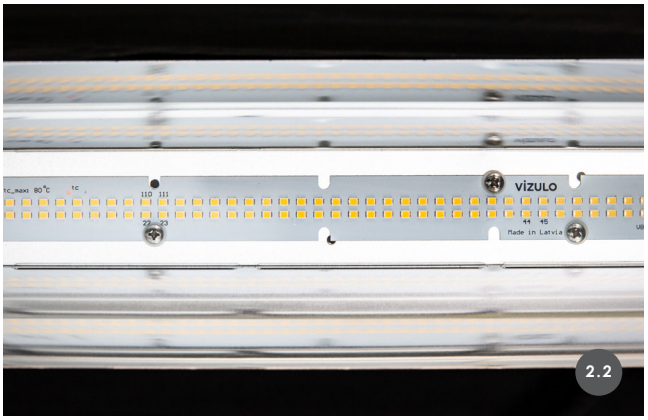
Status indication LED
Two-colour status display LED (bi-color)
Green: system OK, Red: fault

Exploring Oak

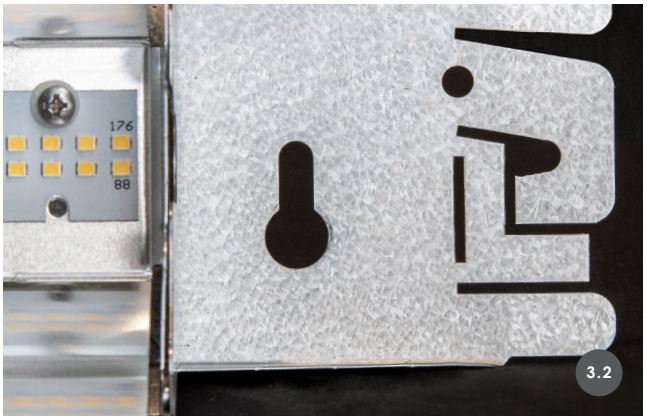
Easy cable installation through grommets

High quality photometry is provided by three types of aluminium reflectors



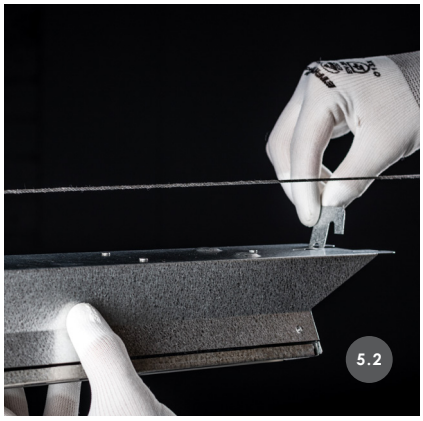


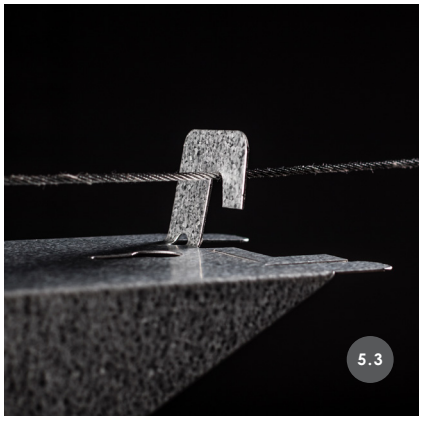
Functional screw hole slots



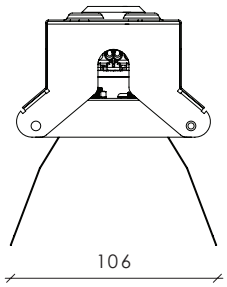
For fast installation, easy luminaire opening

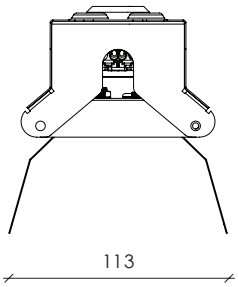
For fast suspended mounting using the integrated bracket

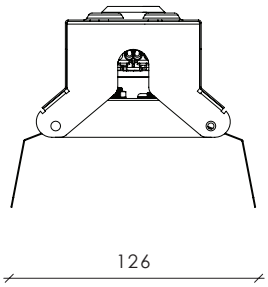




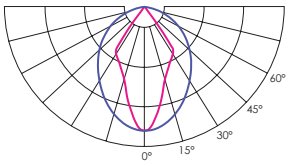
Three different beam angles - narrow, medium, wide



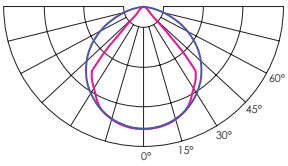




Standard



Narrow



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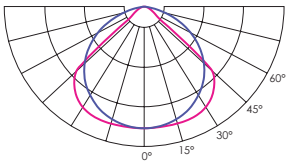
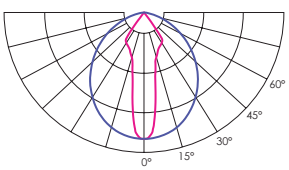
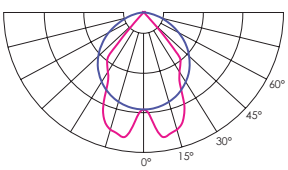


Wide

Premium



Narrow



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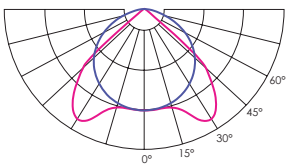
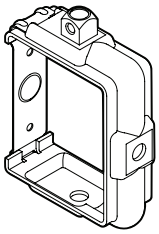


Wide

Accessories

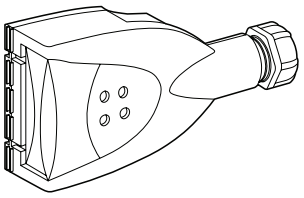
Schneider Canalis universal fixing bracket, galvanized

Art. 70068004



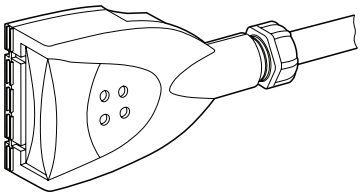
Schneider Canalis tap-off unit, 10 A, phase selection - KBC10DCB20

Art. 70068005



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

Art. 70068006

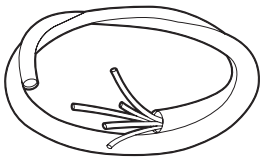


Connection cable 5x1.5 mm² (x2.5 m) with open end

Art. 70042016

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

Art. 70042017

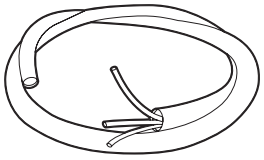


Connection cable 3x1.5 mm² (x2.5 m) with open end

Art. 70042018

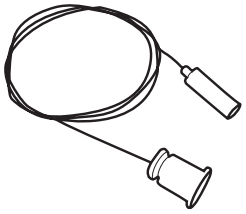
Connection cable 3x2.5 mm² (x2.5 m) with open end

Art. 70042019



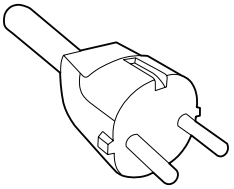
Milzo Number 2 standard suspension, set for one fixing point, black

Art. 77112009



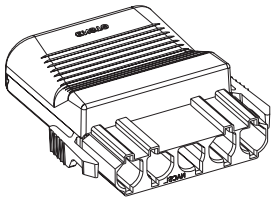
Connection cable 3x1.5 mm²
(x2.5 m) with plug

Art. 70042022



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

Art. 70042009

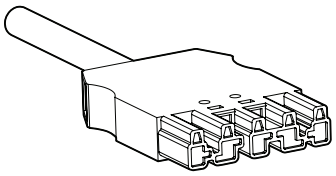


Connection cable 5x1.5 mm² (x2.5 m)
with Wago Winsta (770-115) 5-way plug

Art. 70042007

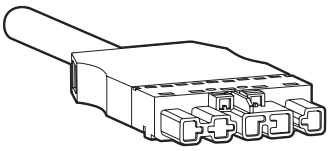
Connection cable 5x2.5 mm² (x2.5 m)
with Wago Winsta (770-115) 5-way plug

Art. 70042012



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

Art. 70042030

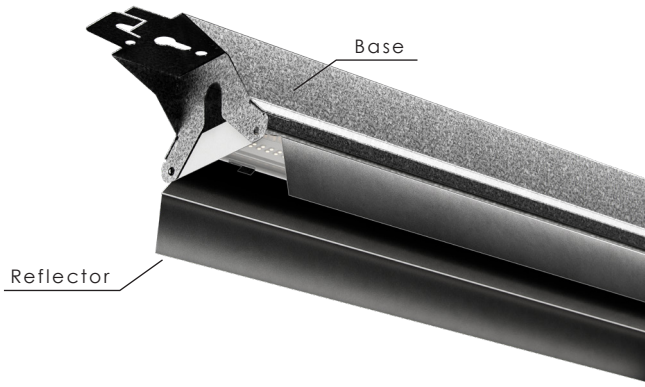


Oak design line

Custom base color *

* Other colors available on request

RAL9006 DB703 RAL9005



Custom color reflector (available for 600 / 1200 mm) *

TITANIUM ROSE QUARZ ALUNOR

Cable with black fabric

RR27XN 2x0.75 mm², 2.5 m, black, stranded PVC cable with black fabric	*Art. 70100160*
RR37XN 3x0.75 mm², 2.5 m, black, stranded PVC cable with black fabric	*Art. 70100161*
RR47XN 4x0.75 mm², 2.5 m, black, stranded PVC cable with black fabric	*Art. 70100162*
MV57XN 5x0.75 mm², 2.5 m, black, stranded PVC cable with black fabric	*Art. 70100163*

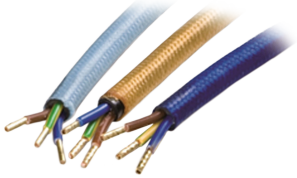
Cable with coloured fabric

Colours available on request:

Black Brown Grey Turquoise

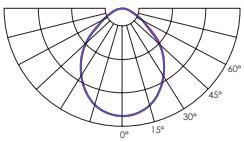
Carmine Red Orange Fluo Fuchsia Fluo

Gold Yellow White

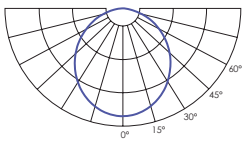


Diffuser options

Microprismatic



Opal



Certification

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

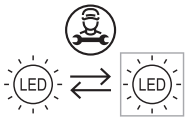
The CE mark is placed on products to state conformity with the relevant EU health, safety and environmental protection standards. In case of electronic products, the standards are, for example, the Restriction of Hazardous Substances in Electrical and Electronic Equipment (RoHS) directive, Waste Electrical 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).

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.

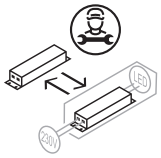
International EPD System – Environmental Product Declaration available

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.

VIZULO

Bukultu street 11
Riga, LV – 1005, Latvia

Sales: + 371 67 383 023
Production: + 371 67 383 024

sales@vizulo.com
www.vizulo.com

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VIZULOSOLUTIONS