PRODUCT DATASHEET
FL COMP SN 10/20 V 18W ML 8304065 BK

FLOODLIGHT COMPACT SENSOR GEN 2 | Floodlight with daylight / motion sensor and Multi Select function, up to 150 lm/W



Areas of application

- Replacement for floodlights with halogen lamps
- Outdoor use (IP65)
- Public areas
- Building facades
- Construction areas
- Gardens, balconies and other outdoor areas

Product benefits

- Demand optimized illumination due to flexible and programmable sensor
- Easy adjustment of sensor range, daylight detection, hold time and dimming function
- Always-on override, activated via special mains switching pattern
- Highly versatile due to selectable CCT and lumen steps (Multi Select) thanks to a switch on the backside
- Robust cable gland with integrated waterstop function
- Breather membrane to optimize air exchange, without compromising IP protection
- Bright, robust and durable
- Energy savings of up to 90 % compared to halogen lamp floodlights
- No upper light output ratio (ULOR 0%) when mounted at 0° tilt

Product features

- Flexible motion and daylight sensor
- Luminous efficacy: up to 150 lm/W
- Type of protection: IP65
- Pre-installed, flexible 1 m cable (H05RN-F), wrapped 3 x 1.0 mm^2 single wires
- Reflector-based, symmetric light distribution with 100° x 100° beam angle
- Mounting bracket with 30° angle and wide rotation area



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- Integrated voltage driver, suitable for 220 - 240 V AC

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TECHNICAL DATA

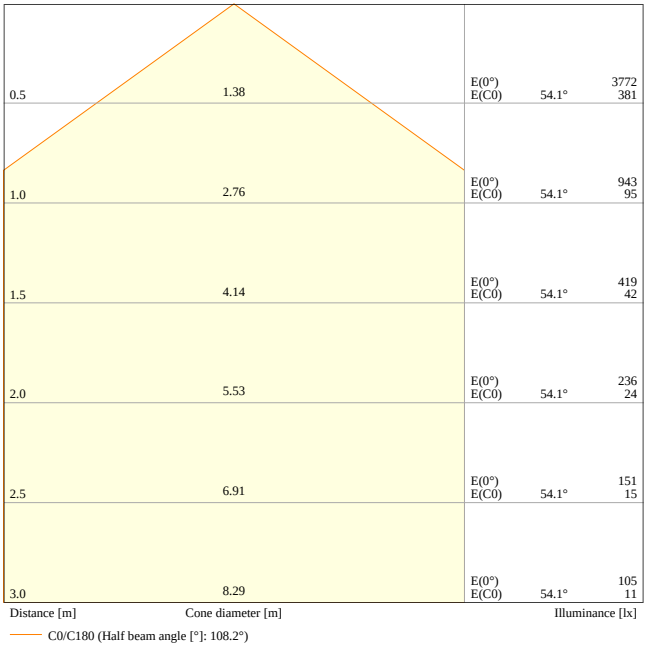
Electrical data

Nominal wattage	18 W / 9 W
Nominal voltage	220…240 V
Mains frequency	50…60 Hz
Nominal current	91mA / 60 mA
Inrush current	7.8 A
Inrush current time T_{h50}	24 µs
Max. number of luminaires per miniature circuit breaker B16	96
Max. number of luminaires per miniature circuit breaker C10	76
Max. number of luminaires per miniature circuit breaker C16	123
Power factor λ	> 0.8
Maximum total harmonic distortion	≤ 20 %
Protection class	I
Surge capability (L-N)	2 kV
Surge capability (L/N-Ground)	4 kV
Operating mode	Integrated LED driver

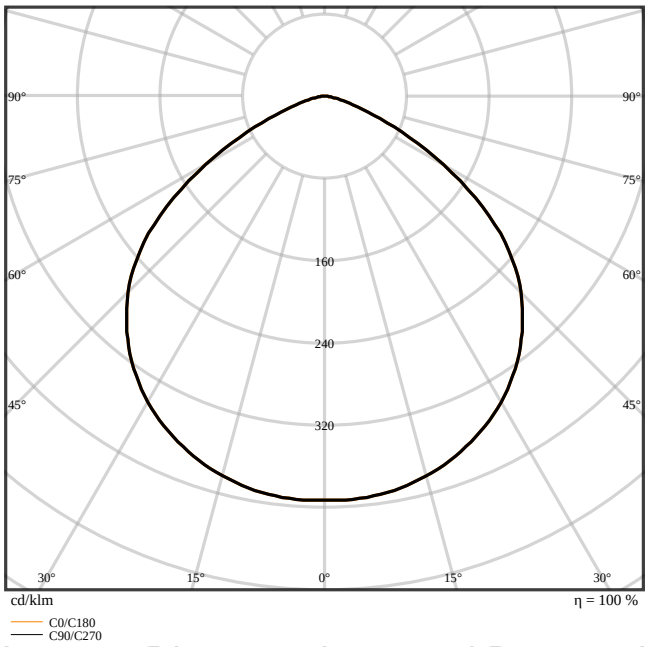
Photometrical data

Luminous flux	2400 lm / 1350 lm
Luminous efficacy	135 lm/W / 150 lm/W
Color temperature	3000 K / 4000 K / 6500 K
Reference control setting of contained light source (Kelvin)	4000 K
Light color (designation)	Warm White / Cool White / Cool Daylight
Color rendering index Ra	> 80
Standard deviation of color matching	≤5 sdcm
Low flicker	Yes
Flickering metric (Pst LM)	<0.25
Stroboscope effect metric (SVM)	<1.6
Photobiological safety group acc. to EN62778	RG1
Beam angle	100 °

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FL COMP SN 10 20 18W 840 100 BK



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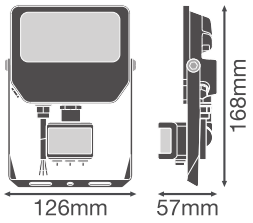
Adjustable attributes

Nominal wattage	Color temperature	Luminous flux	Luminous efficacy
18 W	3000 K	2160 lm	120 lm/W
18 W	4000 K	2400 lm	135 lm/W
18 W	6500 K	2250 lm	125 lm/W
9 W	3000 K	1200 lm	135 lm/W
9 W	4000 K	1350 lm	150 lm/W
9 W	6500 K	1300 lm	145 lm/W

Dimensions & Weight

Length	126.00 mm
Width	168.00 mm
Height	57.00 mm
Product weight	385.00 g
Cable length	1000 mm

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FL COMP SN 10/20 V 18W
ML8304065

Materials & Colors

Product color	Black
Housing color	Black
RAL Color (most similar)	RAL 9017
Body material	Aluminum
Cover material	Glass
Light emitting surface material	Structured glass
Glow Wire Test according to IEC 60695-2-12	650 °C
Mercury content	0.0 mg

Application & Mounting

Ambient temperature range	-30…+45 °C
Temperature range at storage	-40…+80 °C
Type of connection	Cable, 3-pole
Type of protection	IP65
Protection class IK (shock resistance)	IK06
Corrosion resistance class acc. to EN 12944	C4 Medium
Dimmable	No
Mounting type	Surface
Mounting location	Wall / Ceiling
Application environment	Outdoor
Mounting height	≤5 m
Mechanically adjustable	Yes
With light source	Yes

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Replaceable light source	No

Lifespan

Lifespan L70/B50 at 25 °C	70000 h [1)]
Lifespan L80/B10 at 25 °C	50000 h [1)]
Lifespan L80/B50 at 25 °C	50000 h
Lifespan L90/B10 at 25 °C	40000 h [1)]
Number of switching cycles	100000

1) t[h]: L70 / B50 @ 25 °C (Ta), t[h]: L80 / B10 @ 25 °C (Ta), t[h]: L90 / B10 @ 25 °C (Ta)

Control gear

Output current	164 mA
Output ripple current (100 Hz)	< 60 %

Sensor

Type of sensor	Motion / Light
Sensor technology	Passive infrared (PIR)
Sensor detection angle	40…160 °
Sensor controlled switching time	10 s…12 min
Detection range of motion sensor	2…12 m
Detection threshold of daylight sensor	10…2000 lx
Sensor IP rating	IP65
Sensor IK rating	IK05

Emergency lighting

Type of emergency operation test	None

Certificates & Standards

Standards	CE / CB / UKCA / EAC / EPD
Luminaire with limited surface temperature, "D sign"	No
Ball shot safe	No
EPD	LEDV-00087-V01.02-EN
Replaceable light source (EPREL)	Not replaceable

Additional product data

Added function	MULTI LUMEN / MULTI COLOR

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Safety advice

- Max. wind load surface 18 W = 0,010 m^2 / 42 W = 0,018 m^2 / 70 W = 0,033 m^2 / 105 W = 0,044 m^2 / 135 W = 0,060 m^2 / 178 W = 0,074 m^2
- All electrical connections must be made by a qualified person.
- Caution, risk of electric shock.
- The external flexible cable or cord of this luminaire cannot be replaced; if the cord is damaged, the luminaire must be disposed of.
- Terminal block not included. Installation must be made by a qualified person.
- To reduce the risk of strangulation the flexible wiring connected to this luminaire shall be effectively fixed to the wall if the wiring is within arm's reach.
- Product in protection class I. All electrically conductive, metallic housing parts that can absorb voltage during operation or during maintenance in the event of a fault must be continuously connected to the protective earthing conductor.

DOWNLOAD DATA

	Documents and certificates	Document name
PDF	User instruction / safety instructions	FL COMP SN
PDF	Legal information	Legal Insert G11277400
PDF	Legal information	FL COMP SN
PDF	Legal information	Informationstext 18 Abs 4 ElektroG
PDF	Legal information	HB COMP
PDF	Declarations of conformity	FLOODLIGHT COMPACT LUM
PDF	Declarations of conformity UKCA	FLOODLIGHT COMPACT LUM
PDF	EPD	EPD EN FLOODLIGHT COMPACT GEN 2 / COMBO

	Photometric and lighting design files	Document name
IES	IES file (IES)	FL COMP SN 10 20 18W 840 100 BK
LDT	LDT file (Eulumdat)	FL COMP SN 10 20 18W 840 100 BK
	UGR file (UGR table)	FL COMP SN 10 20 18W 840 100 BK
	Light distribution curve type cone	FL COMP SN 10 20 18W 840 100 BK
	Light distribution curve type polar	FL COMP SN 10 20 18W 840 100 BK

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	CAD/BIM files	Document name
	BIM Revit 3D	Floodlight Compact G2
	CAD STEP 3D	FL COMP G2 SEN 18W

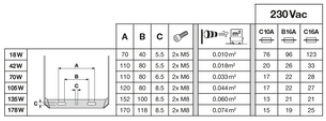
	Tender texts	Document name
	Tender documents	ENFLOODLIGHT COMPACT SENSOR GEN 2 SN 1020 V 18W ML 8304065 BK-en

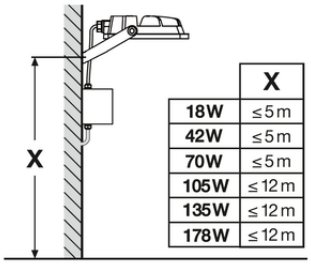
LOGISTICAL DATA

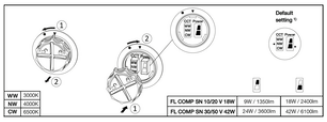
Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4099854832307	Folding box 1	68 mm x 130 mm x 181 mm	420.00 g	1.60 dm^3
4099854832314	Shipping box 10	360 mm x 280 mm x 210 mm	4576.00 g	21.17 dm^3

The mentioned product code describes the smallest quantity unit which can be ordered. One shipping unit can contain one or more single products. When placing an order, for the quantity please enter single or multiples of a shipping unit.

ADDITIONAL CATALOG INFORMATION







References / Links

– For Guarantee see www.ledvance.com/guarantee

DISCLAIMER

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