PRODUCT DATASHEET
FL COMP SEN V 20W 830 SYM 100 BK

FLOODLIGHT COMPACT SENSOR 20W | Sensor floodlight with up to 2000 lm light output



VALUE CLASS

Areas of application

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

Product benefits

- Robust, yet light and compact design
- Demand optimized illumination due to flexible and programmable sensor
- Easy adjustment of sensor range, daylight detection and hold time
- Always-on override, activated via special mains switching pattern
- Safe and very uniform illumination, due to frosted and tempered glass diffuser
- No upper light output ratio (ULOR 0%) when mounted at 0° tilt
- Energy savings of up to 90 % compared to halogen lamp floodlights
- 3 years guarantee

Product features

- Flexible motion and daylight sensor
- Sensor with 350° pan and 180° tilt
- Reflector-based, symmetric light distribution with 100° x 100° beam angle
- Mounting bracket with 30° angle and wide rotation area
- Pre-installed, flexible 1 m cable (H05RN-F), wrapped 3 x 1.0 mm^2 single wires

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TECHNICAL DATA

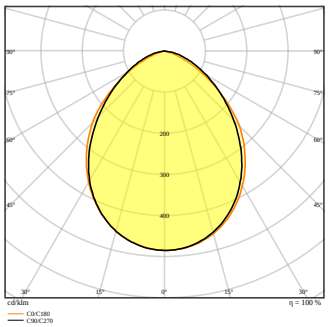
Electrical data

Nominal wattage	20.00 W
Nominal voltage	220…240 V
Mains frequency	50…60 Hz
Nominal current	99 mA
Inrush current	6 A
Inrush current time T_{h50}	1.3 µs
Max. number of luminaires per miniature circuit breaker B16	88
Max. number of luminaires per miniature circuit breaker C10	64
Max. number of luminaires per miniature circuit breaker C16	103
Power factor λ	> 0.80
Maximum total harmonic distortion	< 20 %
Protection class	I
Operating mode	Integrated LED driver

Photometrical data

Luminous flux	1800 lm
Luminous efficacy	90 lm/W
Color temperature	3000 K
Light color (designation)	Warm White
Color rendering index Ra	≥80
Standard deviation of color matching	< 5 sdcm
Luminous intensity	-
Low flicker	Yes
Flickering metric (Pst LM)	-
Stroboscope effect metric (SVM)	-
Photobiological safety group acc. to EN62778	RG1
Photobiological safety group acc. to EN62471	RG1
Beam angle	100 ° x 100 °

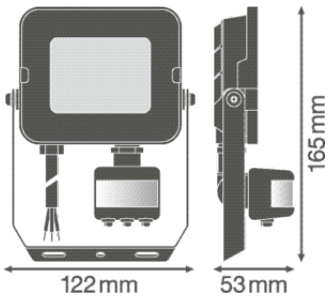
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FL COMP SEN V S 20W 830 SYM 100 BK

Dimensions & Weight

Length	165.00 mm
Width	122.00 mm
Height	53.00 mm
Product weight	380.00 g
Cable length	1000 mm



FL COMP SEN V 20W SYM 100 BK

Materials & Colors

Product color	Black
Housing color	Black
Body material	Aluminum
Cover material	Tempered glass
Light emitting surface material	Glass

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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…+70 °C
Type of connection	Cable, 3-pole
Type of protection	IP65
Protection class IK (shock resistance)	IK06
Dimmable	No
Mounting type	Surface
Mounting location	Wall / Pole / Floor
Application environment	Outdoor
Mechanically adjustable	Yes
With light source	Yes
Replaceable light source	No

Lifespan

Lifespan L70/B50 at 25 °C	50000 h [1)]
Lifespan L80/B10 at 25 °C	35000 h [1)]
Lifespan L80/B50 at 25 °C	35000 h
Lifespan L90/B10 at 25 °C	25000 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)

Sensor

Type of sensor	Motion / Light
Sensor technology	Passive infrared/Photocell
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

Certificates & Standards

Standards	CE / CB / EAC

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Luminaire with limited surface temperature, "D sign"	No
Ball shot safe	No
EPD	LEDV-00054-V01.01-EN

Safety advice

- 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.
- Caution, risk of electric shock.
- 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 SEN V SYM
PDF	Legal information	LSI FL COMP SEN V
PDF	Legal information	FL COMP V_LI
PDF	Legal information	Legal Insert FL COMP/SENSOR
PDF	Legal information	Informationstext 18 Abs 4 ElektroG
PDF	Declarations of conformity	FL COMP
PDF	Declarations of conformity UKCA	FL COMP SEN V SYM 100 BK
PDF	EPD	ENVIRONMENTAL PRODUCT DECLARATION FLOODLIGHT COMPACT

	Photometric and lighting design files	Document name
IES	IES file (IES)	FL COMP SEN V 20W 830 SYM 100 BK
LDT	LDT file (Eulumdat)	FL COMP SEN V 20W 830 SYM 100 BK
ULD	ULD file (DIALux)	FL COMP SEN V 20W 830
ROLF	ROLF file (RELUX)	FL COMP SEN V 20W 830 SYM

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	Photometric and lighting design files	Document name
	Light distribution curve type polar	FL COMP SEN V S 20W 830 SYM 100 BK

	CAD/BIM files	Document name
	BIM Revit 3D	Floodlight Compact Sensor
	CAD STEP 3D	FL COMP 20W SEN

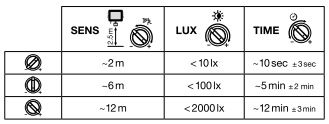
	Tender texts	Document name
	Tender documents	FLOODLIGHT COMPACT SENSOR 20W 830 SYM 100 BK-EN

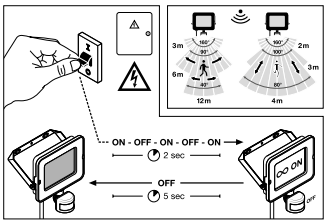
LOGISTICAL DATA

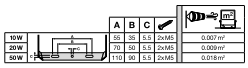
Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075575264	Folding box 1	127 mm x 73 mm x 173 mm	428.00 g	1.60 dm^3
4058075575271	Shipping box 8	310 mm x 270 mm x 198 mm	3722.00 g	16.57 dm^3

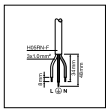
The mentioned product code describes the smallest quantity unit which can be ordered. One shipping unit can contain one or more single products. When placing an order, for the quantity please enter single or multiples of a shipping unit.

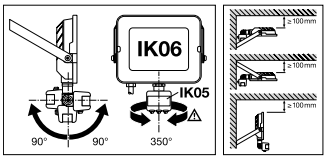
ADDITIONAL CATALOG INFORMATION

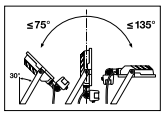












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References / Links

– For Guarantee see www.ledvance.com/guarantee

DISCLAIMER

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