PRODUCT DATASHEET
FL COMP V 90W 840 SYM 100 BK

FLOODLIGHT COMPACT 90W | Floodlight with up to 9000 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
- 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

- Reflector-based, symmetric light distribution with 100° x 100° beam angle
- Surge protection: up to 4 kV (L/N-PE), 2 kV (L-N)
- 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
- Breather membrane to optimize air exchange, without compromising IP protection

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TECHNICAL DATA

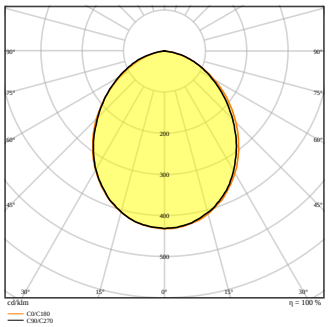
Electrical data

Nominal wattage	90.00 W
Nominal voltage	220…240 V
Mains frequency	50…60 Hz
Nominal current	434 mA
Inrush current	7.9 A
Inrush current time T_{h50}	1.9 µs
Max. number of luminaires per miniature circuit breaker B16	20
Max. number of luminaires per miniature circuit breaker C10	15
Max. number of luminaires per miniature circuit breaker C16	23
Power factor λ	> 0.90
Maximum total harmonic distortion	< 20 %
Protection class	I
Operating mode	Integrated LED driver

Photometrical data

Luminous flux	9000 lm
Luminous efficacy	100 lm/W
Color temperature	4000 K
Light color (designation)	Cool 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 °

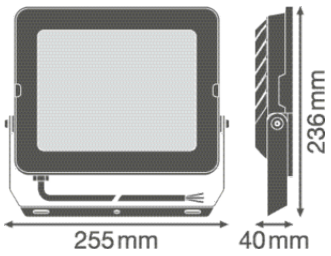
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Dimensions & Weight

Length	236.00 mm
Width	255.00 mm
Height	40.00 mm
Product weight	1520.00 g
Cable length	1000 mm



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Materials & Colors

Product color	Black
Housing color	Black
Body material	Aluminum
Cover material	Tempered glass
Light emitting surface material	Glass
Glow Wire Test according to IEC 60695-2-12	650 °C

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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)	IK08
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)

Certificates & Standards

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

Safety advice

- Max. wind load surface 0.043 m^2
- 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.

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DOWNLOAD DATA

	Documents and certificates	Document name
PDF	User instruction / safety instructions	FL COMP V SYM
PDF	Legal information	LSI FL COMP V
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 V SYM 100
PDF	EPD	ENVIRONMENTAL PRODUCT DECLARATION FLOODLIGHT COMPACT

	Photometric and lighting design files	Document name
IES	IES file (IES)	FL COMP V 90W 840 SYM 100 BK
LDT	LDT file (Eulumdat)	FL COMP V 90W 840 SYM 100 BK
ULD	ULD file (DIALux)	FL COMP V 90W 840 SYM 100 BK
ROLF	ROLF file (RELUX)	FL COMP V 90W 840 SYM
	Light distribution curve type polar	FL COMP V 90W 840 SYM 100 BK

	CAD/BIM files	Document name
RFA	BIM Revit 3D	FL COMP
STEP	CAD STEP 3D	FL COMP 90W

	Tender texts	Document name
TXT	Tender documents	FLOODLIGHT COMPACT 90W 840 SYM 100 BK-EN

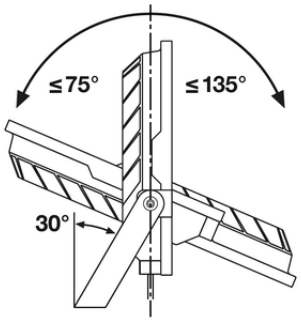
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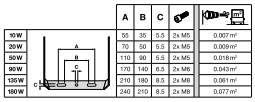
LOGISTICAL DATA

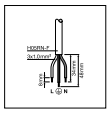
Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075575004	Folding box 1	78 mm x 302 mm x 280 mm	1703.00 g	6.60 dm^3
4058075575011	Shipping box 2	325 mm x 178 mm x 312 mm	3877.00 g	18.05 dm^3

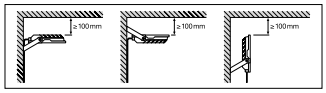
The mentioned product code describes the smallest quantity unit which can be ordered. One shipping unit can contain one or more single products. When placing an order, for the quantity please enter single or multiples of a shipping unit.

ADDITIONAL CATALOG INFORMATION









References / Links

– For Guarantee see www.ledvance.com/guarantee

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