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

FLOODLIGHT COMPACT GEN 2 | Floodlight with 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

- 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

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

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TECHNICAL DATA

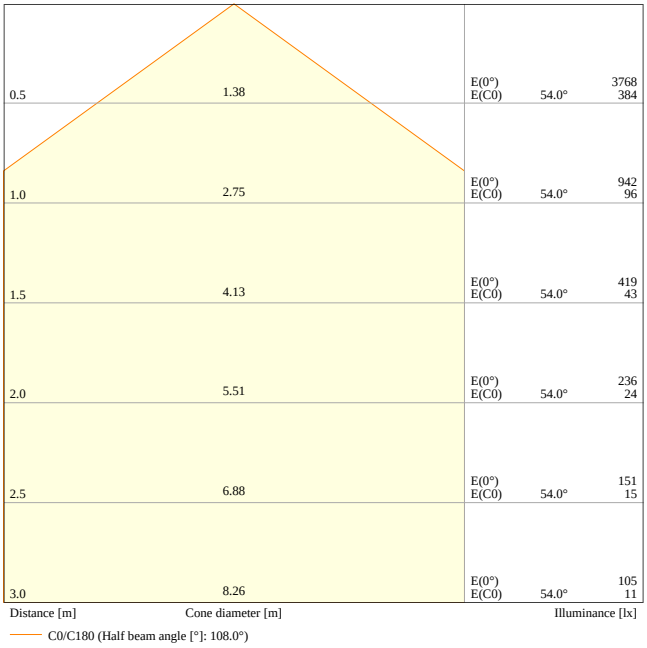
Electrical data

Nominal wattage	18 W / 9 W
Nominal voltage	220…240 V
Mains frequency	50…60 Hz
Nominal current	84mA / 45 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	> 0.9
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

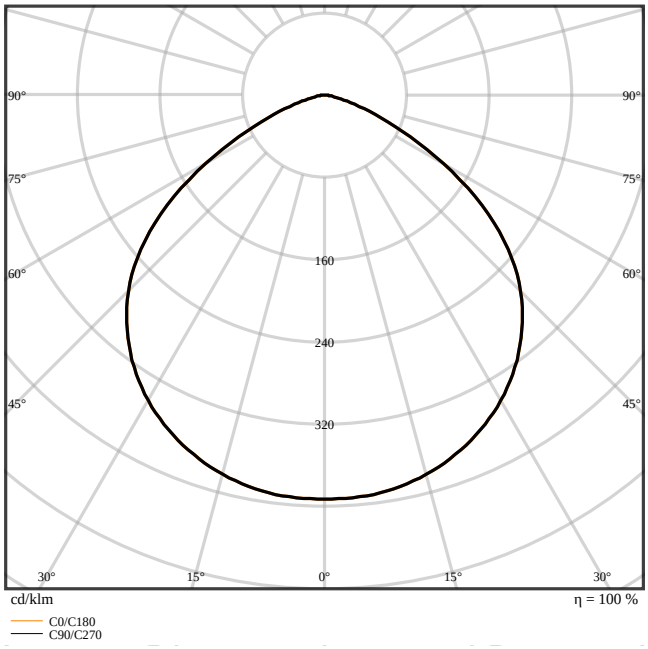
Photometrical data

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 10 20 18W 840 100 BK



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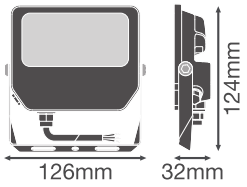
Adjustable attributes

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	124.00 mm
Height	32.00 mm
Product weight	337.00 g
Cable length	1000 mm

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FL COMP 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	169 mA
Output ripple current (100 Hz)	< 60 %

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

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.

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DOWNLOAD DATA

	Documents and certificates	Document name
PDF	User instruction / safety instructions	FL COMP
PDF	Legal information	Legal Insert G11277400
PDF	Legal information	FL COMP
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 10 20 18W 840 100 BK
LDT	LDT file (Eulumdat)	FL COMP 10 20 18W 840 100 BK
	UGR file (UGR table)	FL COMP 10 20 18W 840 100 BK
	Light distribution curve type cone	FL COMP 10 20 18W 840 100 BK
	Light distribution curve type polar	FL COMP 10 20 18W 840 100 BK

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

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

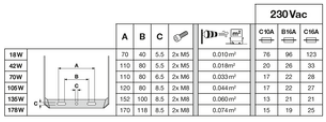
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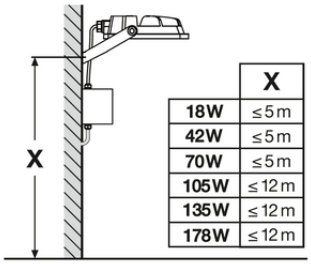
LOGISTICAL DATA

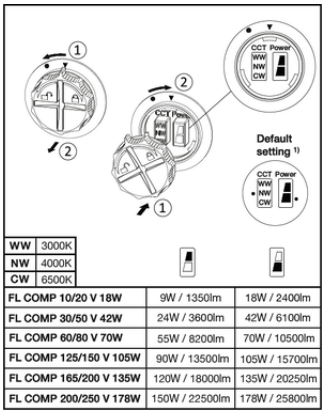
Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4099854832147	Folding box 1	51 mm x 131 mm x 160 mm	361.00 g	1.07 dm^3
4099854832154	Shipping box 12	327 mm x 280 mm x 190 mm	4674.00 g	17.40 dm^3

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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