PRODUCT DATASHEET
FL PFM 30 W 4000 K SYM 100 BK

FLOODLIGHT 30 W | Versatile floodlight with up to 3600 lm light output

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

– Bright, robust and durable
– 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
– 5 years guarantee

Product features

– Reflector-based, symmetric light distribution with 100° x 100° beam angle
– Integrated wide voltage driver, suitable for 100 - 277 V $_{AC}$
– 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 mm² single wires
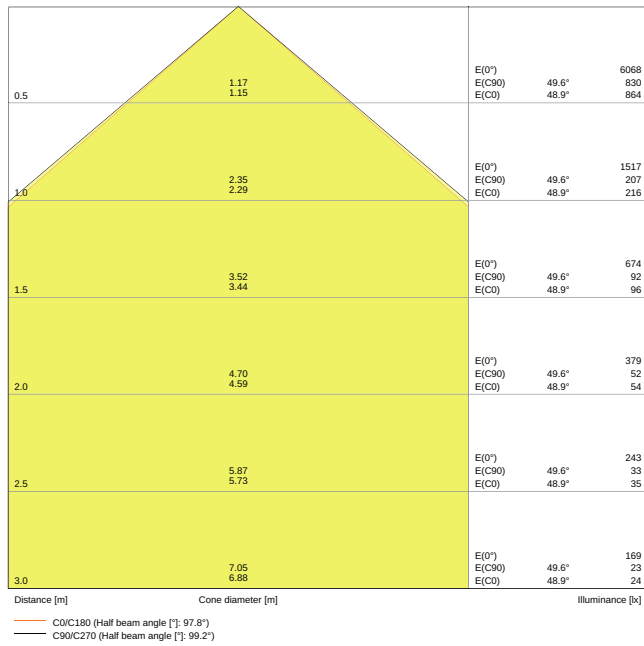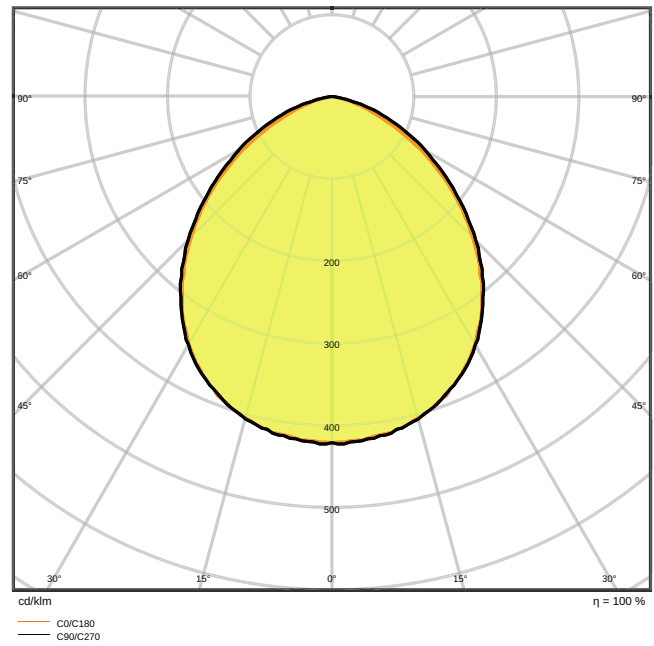
TECHNICAL DATA

Electrical data

Nominal wattage	30.00 W
Nominal voltage	100...277 V
Mains frequency	50...60 Hz
Nominal current	147 mA
Inrush current	7.04 A
Inrush current time T_{h50}	25 µs
Max. no. of lum. on circuit break. B16 A	64
Max. no. of lum. on circuit break. C10 A	46
Max. no. of lum. on circuit break. C16 A	74
Power factor λ	> 0.90
Total harmonic distortion	< 20 %
Protection class	I
Operating mode	Integrated LED driver

Photometrical data

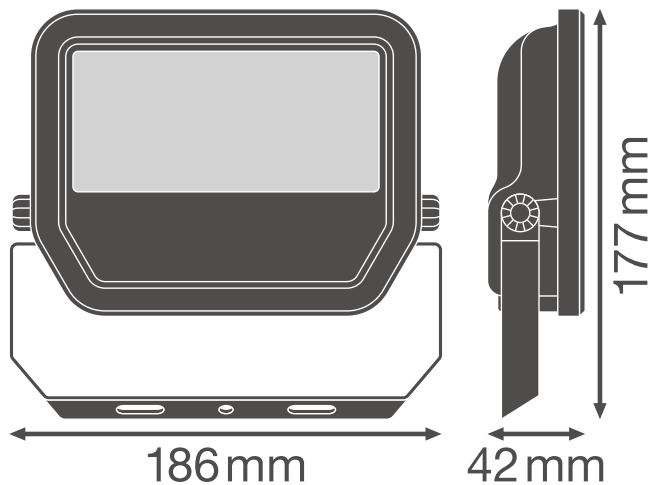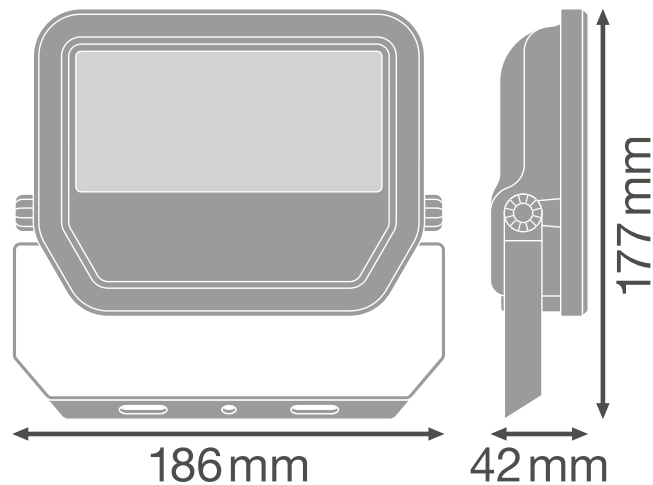|	
Luminous flux	3600 lm
Luminous efficacy	120 lm/W
Color temperature	4000 K
Light color (designation)	Cool White
Color rendering index Ra	≥80
Standard deviation of color matching	≤5 sdcm
Luminous intensity	-
Flickering metric (Pst LM)	-
Stroboscope effect metric (SVM)	-
Photobiological safety group acc. to EN62778	RG1
Photobiological safety group acc. to EN62471	RG1
Beam angle	100 ° x 100 °

LDC typ cone

E(0°)		6068
E(C90)	49.6°	830
E(C0)	48.9°	864
E(0°)		1517
E(C90)	49.6°	207
E(C0)	48.9°	216
E(0°)		674
E(C90)	49.6°	92
E(C0)	48.9°	96
E(0°)		379
E(C90)	49.6°	52
E(C0)	48.9°	54
E(0°)		243
E(C90)	49.6°	33
E(C0)	48.9°	35
E(0°)		169
E(C90)	49.6°	23
E(C0)	48.9°	24

Distance [m]   Cone diameter [m]   Illuminance [lx]

— C0/C180 (Half beam angle [°]: 97.8°)
— C90/C270 (Half beam angle [°]: 99.2°)

LDC typ polar

cd/klm   η = 100 %

— C0/C180
— C90/C270

Dimensions & Weight

Length	177.00 mm
Width	186.00 mm
Height	42.00 mm
Product weight	700.00 g
Cable length	1000 mm

Product line drawing with numbers

Product line drawing with numbers

Materials & Colors

Product color	Black
Housing color	Black
Body material	Aluminum
Light emitting surface material	Glass
Glow Wire Test according to IEC 60695-2-12	650 °C
Mercury content	0.0 mg

Application & Mounting

Ambient temperature range	-30...+50 °C
Temperature range at storage	-40...+70 °C
Type of connection	Cable, 3-pole
Type of protection	IP65
Protection class IK (shock resistance)	IK07
Dimmable	No
Mounting type	Surface
Mounting location	Wall / Ceiling / Floor
Adjustable	Yes
LED module replaceable	Not replaceable

Lifespan

Lifespan L70/B50 at 25 °C	70000 h
Lifespan L80/B10 at 25 °C	55000 h
Lifespan L90/B10 at 25 °C	35000 h
Number of switching cycles	100000

Control gear

ECG - Output ripple current	< 50 %

Certificates & Standards

Standards	CE / CB / ENEC / EAC / RoHS
Luminaire with limited surface temperature, "D sign"	No
Ball shot safe	No

DOWNLOAD DATA

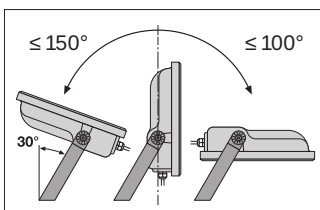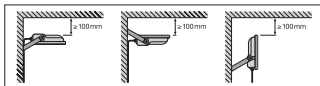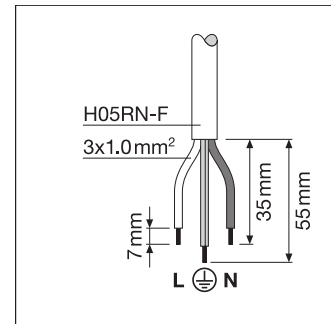|	DOWNLOAD DATA
PDF	User instruction FLOODLIGHT
	Tender documents Tender Text 4058075421134
PDF	Declarations of conformity FL PFM
	IES file (IES) FL PFM 30W4000K SYM 100 BK
	LDT file (Eulumdat) FL PFM 30W4000K SYM 100 BK
	R3D file (Relux 3D Model) FL PFM 30W
	M4D file (3D Model with rotation axis) FL PFM 30W
	UGR file (UGR table) FL PFM 30W4000K SYM 100 BK
PDF	Packaging insert Legal insert

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075421134	Folding box 1	191 mm x 63 mm x 159 mm	782.00 g	1.91 dm³
4058075421141	Shipping box 8	396 mm x 268 mm x 185 mm	6765.00 g	19.63 dm³

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

Subject to change without notice. Errors and omission excepted. Always make sure to use the most recent release.