

PRODUCT DATASHEET

FL AREA ASYM 48x92 145 W 4000 K BK

FLOODLIGHT AREA | Floodlight with lens based light distribution up to 140 lm/W



Areas of application

- Direct replacement for luminaires using HID lamps
- Outdoor use (IP65)
- Public areas
- Industry
- Sports facilities
- Parking

Product benefits

- Energy savings of up to 90 % compared to halogen lamp floodlights
- Energy savings of up to 45 % compared to luminaires that use conventional discharge lamps
- High light uniformity
- No upper light output ratio (ULOR 0%) when mounted at 0° tilt
- 5 years guarantee

Product features

- High luminous efficacy: up to 140 lm/W
- Asymmetric light distribution for various application areas
- Integrated wide voltage driver, suitable for 100 - 277 V AC
- Angled (30 °) mounting bracket and up to 210 ° tilting
- Type of protection: IP65
- Impact resistance: IK08
- Ambient temperature in operation: -30...+50 °C
- High surge protection: up to 6 kV (L/N-PE), 4 kV (L-N)



- Integrated breather for preventing condensation inside the luminaire
- Pre-installed, flexible 1 m cable (H05RN-F), wrapped 3 x 1.0 mm² single wires

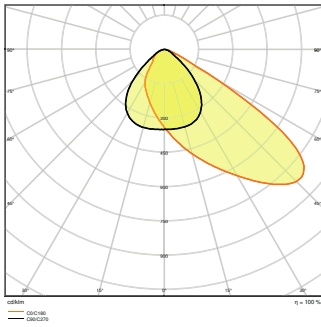
TECHNICAL DATA

Electrical data

Nominal wattage	145.00 W
Nominal voltage	100...277 V
Mains frequency	50...60 Hz
Nominal current	730 mA
Inrush current	60 A
Inrush current time T_{h50}	1000 μ s
Max. no. of lum. on circuit break. B16 A	4
Max. no. of lum. on circuit break. C10 A	6
Max. no. of lum. on circuit break. C16 A	9
Power factor λ	< 0.90
Total harmonic distortion	< 20 %
Protection class	I
Operating mode	Integrated LED driver

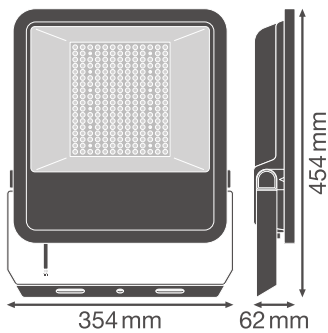
Photometrical data

Luminous flux	20000 lm
Luminous efficacy	138 lm/W
Color temperature	4000 K
Light color (designation)	Cool White
Color rendering index Ra	≥ 80
Standard deviation of color matching	≤ 5 sdc _m
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	48° x 92°



Dimensions & Weight

Length	454.00 mm
Width	354.00 mm
Height	62.00 mm
Product weight	6200.00 g
Cable length	1000 mm



Materials & Colors

Product color	Black
Housing color	Black
Body material	Aluminum
Cover material	Glass
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)	IK08
Dimmable	No
Mounting type	Surface
Mounting location	Wall / Pole / Floor / Ceiling
Application environment	Outdoor
Adjustable	Yes
LED module replaceable	Not replaceable
With light source	Yes

Lifespan

Lifespan L70/B50 at 25 °C	70000 h
Lifespan L80/B10 at 25 °C	50000 h
Lifespan L90/B10 at 25 °C	35000 h
Number of switching cycles	100000

Control gear

Output current	830 mA
ECG - Output ripple current	< 15 %

Certificates & Standards









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

Safety advice

– Max. wind load surface 72 W = 0,083 m² / 105 W = 0,102 m² / 145 W = 0,124 m²

DOWNLOAD DATA



DOWNLOAD DATA	
	User instruction
	Addon Technical Information
	Tender documents
	Declarations of conformity
	IES file (IES)
	LDT file (Eulumdat)
	R3D file (Relux 3D Model)
	M4D file (3D Model with rotation axis)

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075539785	Shipping box 1	407 mm x 95 mm x 516 mm	6865.00 g	19.95 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.

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.