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PRODUCT DATASHEET FL AREA ASYM 48x92 145 W 4000 K BK

FLOODLIGHT AREA GEN 1 | 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

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TECHNICAL DATA

Electrical data

Nominal wattage	145.00 W
Nominal voltage	100277 V
Mains frequency	5060 Hz
Nominal current	730 mA
Inrush current	60 A
Inrush current time T h50	1000 μs
Max. number of luminaires per miniature circuit breaker B16	4
Max. number of luminaires per miniature circuit breaker C10	6
Max. number of luminaires per miniature circuit breaker C16	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 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	48° x 92 °	

FL AREA 145W 840 ASYM 48X92 BK

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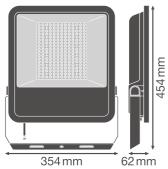
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Dimensions & Weight

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



FL AREA VAL 145W ASYM BK

Materials & Colors

Product color	Black
Housing color	Black
RAL Color (most similar)	RAL 9017
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

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Mounting location	Wall / Pole / Floor / Ceiling
Application environment	Outdoor
Adjustable	Yes
With light source	Yes
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	35000 h
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	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

	Documents and certificates	Document name
PDF	User instruction / safety instructions	UI Floodlight Area Asym MiCh
PDF	Legal information	LSI FL Area
PDF	Legal information	Legal Insert FL AREA

Please try again a little bit later.

	Documents and certificates	Document name	
POF	Legal information	Informationstext 18 Abs 4 ElektroG	
POF	Declarations of conformity	FL AREA ASYM BK	
PDF	Declarations of conformity UKCA	FL AREA ASYM	
	Photometric and lighting design files	Document name	
	I notometric and righting design mes	Document name	
	IES file (IES)	FL AREA 145W 840 ASYM 48X92 BK	
	LDT file (Eulumdat)	FL AREA 145W 840 ASYM 48X92 BK	
	ULD file (DIALux)	FL AREA 145W 840 ASYM	
	ROLF file (RELUX)	FL AREA 145W 840 ASYM	
	Light distribution curve type polar	FL AREA 145W 840 ASYM 48X92 BK	
	CAD/BIM files	Document name	
	BIM Revit 3D	Floodlight Area	
	CAD STEP 3D	FL AREA 145W	

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075539785	Shipping box	407 mm x 95 mm x 516 mm	6865.00 g	19.95 dm³

FLOODLIGHT AREA 145 W 4000 K BK-EN

Document name

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

Tender texts

Tender documents

DISCLAIMER

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