

# PRODUCT DATASHEET

## FL AREA ASYM 48x92 105 W 3000 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 mm<sup>2</sup> single wires

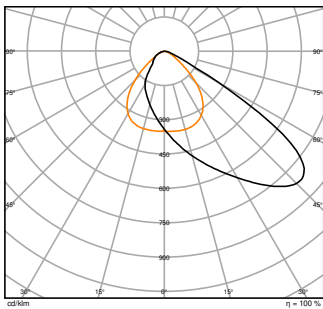
## TECHNICAL DATA

### Electrical data

Nominal wattage	105.00 W
Nominal voltage	100...277 V
Mains frequency	50...60 Hz
Nominal current	529 mA
Inrush current	50 A
Inrush current time $T_{h50}$	1000 $\mu$ s
Max. number of luminaires per miniature circuit breaker B16	5
Max. number of luminaires per miniature circuit breaker C10	8
Max. number of luminaires per miniature circuit breaker C16	12
Power factor $\lambda$	< 0.90
Total harmonic distortion	< 20 %
Protection class	I
Operating mode	Integrated LED driver

### Photometrical data

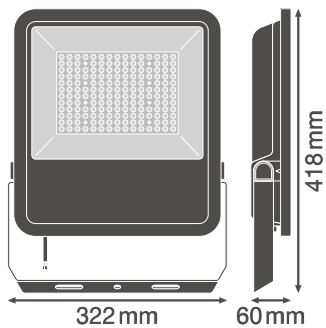
Luminous flux	13750 lm
Luminous efficacy	132 lm/W
Color temperature	3000 K
Light color (designation)	Warm White
Color rendering index Ra	$\geq 80$
Standard deviation of color matching	$\leq 5$ sdc <sub>m</sub>
Luminous intensity	-
Low flicker	Yes
Flickering metric (Pst LM)	-
Stroboscope effect metric (SVM)	-
Photobiological safety group acc. to EN62778	RG1
Photobiological safety group acc. to EN62471	RG1
Beam angle	48° x 92°



FL AREA 105W 830 ASYM 48X92  
BK

Dimensions & Weight

Length	418.00 mm
Width	322.00 mm
Height	60.00 mm
Product weight	4800.00 g
Cable length	1000 mm



FL AREA VAL 105W ASYM BK

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
With light source	Yes
Replaceable light source	No

### Lifespan

Lifespan L70/B50 at 25 °C	70000 h <sup>1)</sup>
Lifespan L80/B10 at 25 °C	50000 h <sup>1)</sup>
Lifespan L80/B50 at 25 °C	50000 h
Lifespan L90/B10 at 25 °C	35000 h
Number of switching cycles	100000

<sup>1)</sup> 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	630 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 m<sup>2</sup> / 105 W = 0,102 m<sup>2</sup> / 145 W = 0,124 m<sup>2</sup>

## DOWNLOAD DATA

Documents and certificates		Document name
	User instruction / safety instructions	UI Floodlight Area Asym MiCh
	Legal information	LSI FL Area
	Legal information	Legal Insert FL AREA
	Legal information	Informationstext 18 Abs 4 ElektroG
	Declarations of conformity	FL AREA ASYM BK
	Declarations of conformity UKCA	FL AREA ASYM
Photometric and lighting design files		Document name
	IES file (IES)	FL AREA 105W 830 ASYM 48X92 BK
	LDT file (Eulumdat)	FL AREA 105W 830 ASYM 48X92 BK
	ULD file (DIALux)	FL AREA 105W 830 ASYM 48X92
	ROLF file (RELUX)	FL AREA 105W 830 ASYM
	Light distribution curve type polar	FL AREA 105W 830 ASYM 48X92 BK
CAD/BIM files		Document name
	BIM Revit 3D	Floodlight Area
	CAD STEP 3D	FL AREA 105W

## LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075539754	Shipping box 1	375 mm x 93 mm x 480 mm	5375.00 g	16.74 dm <sup>3</sup>

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.

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### References / Links

– For Guarantee see [www.ledvance.com/guarantee](http://www.ledvance.com/guarantee)

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