

PRODUCT DATASHEET

LDVAL FL 100W 840

LED VALUE FLOODLIGHT GEN3 | Floodlights



Areas of application

- Architectural lighting
- Security lighting
- Public areas

Product benefits

- Low windage thanks to the compact and slim design
- Breather protects luminaires against the siphonage
- Texture glass offer a comfortable lighting
- IP65 protection is suitable for outdoor application

Product features

- Lifetime up to 30,000 h
- Available in 10 W, 20 W, 30 W, 50 W, 100 W, 150 W and 200 W
- Power factor: > 0.9
- Safety compliance certificates: CB, EMC, RoHS 2.0
- Driver on board technology platform
- Available with color temperature: 3,000 K, 4,000 K, 6,500 K
- Color rendering index R_a : > 80

TECHNICAL DATA

Electrical data

Nominal wattage	100.00 W
Nominal voltage	220...240 V
Mains frequency	50...60 Hz
Nominal current	477.000 mA
Inrush current	20 A
Max. number of luminaires per miniature circuit breaker B16	-
Max. number of luminaires per miniature circuit breaker C16	-
Power factor λ	> 0.90
Total harmonic distortion	< 20 %
Protection class	I
Operating mode	Integrated LED driver

Photometrical data

Luminous flux	10000 lm
Luminous efficacy	100 lm/W
Color temperature	4000 K
Color rendering index Ra	> 80
Standard deviation of color matching	< 5 sdc _m
Luminous intensity	3660 cd
Flickering metric (Pst LM)	-
Stroboscope effect metric (SVM)	-
Photobiological safety group acc. to EN62778	RG1
Beam angle	110 °

Dimensions & Weight

Length	255.00 mm
Width	236.00 mm
Height	40.00 mm
Product weight	1250.00 g
Cable length	500 mm

LDVAL FL 100W

Materials & Colors

Product color	Black
Housing color	Black
Body material	Aluminum
Cover 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 protection	IP65
Protection class IK (shock resistance)	IK06
Dimmable	No
Mounting type	Surface
Replaceable light source	No

Lifespan

Lifespan L70/B50 at 25 °C	30000 h ¹⁾
Lifespan L80/B10 at 25 °C	24000 h ¹⁾
Lifespan L80/B50 at 25 °C	24000 h
Lifespan L90/B10 at 25 °C	18000 h
Number of switching cycles	30000

¹⁾ t[h]: L70 / B50 @ 25 °C (Ta), t[h]: L80 / B10 @ 25 °C (Ta), t[h]: L90 / B10 @ 25 °C (Ta)

Certificates & Standards

Standards	CB / RoHS / EMC
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DOWNLOAD DATA

Photometric and lighting design files		Document name
	IES file (IES)	LDVAL FL 100W 840

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075589193	Folding box 1	75 mm x 299 mm x 272 mm	1985.00 g	6.10 dm ³
4058075589209	Shipping box 2	311 mm x 164 mm x 292 mm	4223.00 g	14.89 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.

DISCLAIMER

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