PRODUCT DATASHEET
LED ECO FLOODLIGHT 100 W 6500 K Gray

LED ECO FLOODLIGHT | LED floodlight luminaires

Areas of application

– Architectural lighting
– Landscape lighting
– Billboard lighting
– Industrial and storage facilities

Product benefits

– SMD LED design for high product reliability
– Reduced windage area thanks to slim design
– Frosted cover made of tempered glass for uniform illumination
– Dust and water protection according to IP65

Product features

– Color rendering index R_a: > 80
– Luminaire efficacy: up to 85 lm/W
– Die-cast aluminum housing
– Impact resistance: IK06
– Lifetime (L70/B50): up to 30,000 h
– 0.5 m cable between luminaires
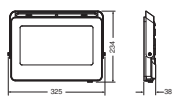
TECHNICAL DATA

Electrical data

Nominal wattage	100.00 W
Nominal voltage	220…240 V
Mains frequency	50…60 Hz
Power factor λ	0.90
Protection class	I
Operating mode	Integrated LED driver

Photometrical data

Luminous flux	8500 lm
Luminous efficacy	85 lm/W
Color temperature	6500 K
Light color (designation)	Daylight
Color rendering index Ra	≥80
Standard deviation of color matching	≤5 sdcm
Beam angle	115 °

Dimensions & Weight

Length	320.00 mm
Width	238.00 mm
Height	37.00 mm
Product weight	1860.00 g
Cable length	500 mm

LDECO FL 100W

Materials & Colors

Product color	Gray
Housing color	Gray
Body material	Aluminum

Cover material	GLASS
Mercury content	0.0 mg

Application & Mounting

Ambient temperature range	-20…+50 °C
Temperature range at storage	-30…+70 °C
Type of protection	IP65
Protection class IK (shock resistance)	IK06
Dimmable	No
Mounting type	Surface
Mounting location	All surfaces / Wall
Application environment	Outdoor
Replaceable light source	No

Lifespan

Lifespan L70/B50 at 25 °C	30000 h [1]
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

Replaceable light source (EPREL)	Not replaceable

DOWNLOAD DATA

	Photometric and lighting design files	Document name
	IES file (IES)	LDECO FL 100W 865

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075230514	Folding box 1	330 mm x 250 mm x 45 mm	2050.00 g	3.71 dm^3
4058075230521	Shipping box 4	360 mm x 280 mm x 220 mm	8880.00 g	22.18 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.