

EVO 12 GEN3 DATA SHEET



Features

- * Screwless terminal block
- * IP 44 rated, suitable for wet locations
- * Suitable for 93 mm cutting out hole
- * 50,000 hours lifetime (L90B10). 5 year limited warranty.
- * Compatible with leading edge or trailing edge dimmers
- * Flicker free, CRI up to Ra97
- * Complied with IEC/EN62471 photobiological safety standard



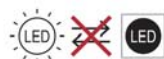
IP44

Operation and Maintenance Tips

- * Turn power off before inspection, installation or removal
- * Lamps should be kept free from contamination.
- * The luminaire is not suitable for emergency lighting
- * All install and uninstall shall be done by a certified electrician
- * Do not operate luminaire with damaged part
- * Exceeding maximum ratings for operating temperature and input voltage will reduce expected life time or destroy the product.

Energy Class

This product contains a light source in the energy efficiency class: **F**



Electrical and Photometric Characteristics

LED module power	7W
Input voltage of LED module	36VDC
IP rating	IP44
Nominal flux	660lm @ 3000K
CRI	Ra 97
Beam angle	60°
L90 Lifetime at Ta: 25°C	50,000 hrs
L80 Lifetime at Ta: 25°C	100,000 hrs
Switching cycles	> 100,000 times
Safety class of LED module	Class III
Energy class of LED module	F
Power with driver	9W
Nominal Voltage	220-240Vac 50/60Hz
Input current	45 mA
Inrush current	< 2A
Power Factor	0.9
Leakage current	< 0.7mA
Working temperature range	-20°C ...+40°C
PstLM	< 1
SVM	< 0.4
Dimmable	Yes
IP rating of driver	IP20

Specifications

EAN Code	Module Wattage*	Size mm (DxH)	CCT (Kelvin)*	Rated Flux (Lm) *	CRI (Ra)*	Beam angle*	Energy Class	SDCM
EVO12 GEN3 Indoor/Outdoor White								
5703041801005	7	105x71	3000	660	97	60°	F	3
EVO12 GEN3 Indoor/Outdoor Black								
5703041802002	7	105x71	3000	660	97	60°	F	3
EVO12 GEN3 Indoor Brushed								
5703041803009	7	105x71	3000	660	97	60°	F	3

* Due to the special conditions of the manufacturing processes of LED, the typical data of technical parameters can only reflect statistical figures and do not necessarily correspond to the actual parameters of each single product which could differ from the typical value. A max 10% tolerance is deemed to be acceptable in any case.

Maximum loading of automatic circuit breakers

Breaker type	C10	C13	C16	C20	B10	B13	B16	B20	Inrush current	Inrush time
EVO 12 GEN3	120	160	200	240	60	80	100	120	I _{max} 2A	180μs

This is max. values calculated out of inrush current! Please consider not to exceed the maximum rated continuous current of the circuit breaker. Actual values may differ due to used circuit breaker types and installation environment.

Dimension Diagram

Item	Outer Diameter (mm)	Height (mm)	Cut-hole (mm)
LED Module	105	71	93

Item	Length (mm)	Width (mm)	Height (mm)
Connector box	80	58	22
Driver box	60	47	22

