

# EVO E DALI DATA SHEET



**5**  
YEAR  
WARRANTY

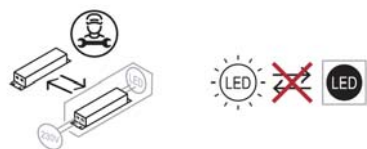


## Operation and Maintenance Tips

- \* 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 parts
- \* 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**



## Features

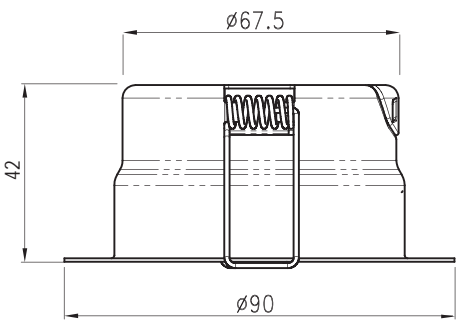
- \* High strength spring installation, Loop in & loop out function,-
- \* IP 54 rated, 10 years anti-corrosion protection
- \* Suitable for cutting holes with diameter from 68~83mm
- \* 50,000 hours L90 lifetime , 5 years limited warranty.
- \* DALI-2 & Push-DIM 2in1 dimming
- \* Flicker free, CRI97
- \* Complied with IEC/EN62471 photobiological safety standard

## Electrical and Photometric Characteristics

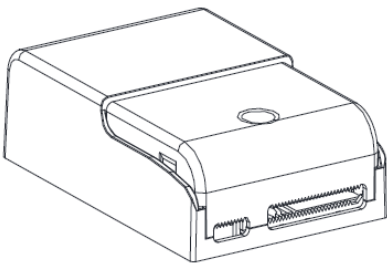
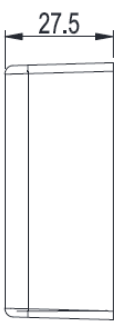
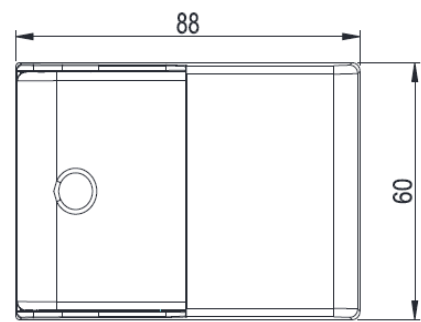
EAN13 Code	5703051102215
LED module power	6 W
Input voltage of LED module	36 VDC
IP rating	IP54
Rated flux	540 lm
CCT	3000 K
CRI	Ra 97
SDCM	3 steps
Beam angle	45°
L90 Lifetime at Ta: 25°C	50,000 hrs
L80 Lifetime at Ta: 25°C	100,000 hrs
Switching cycles	> 100,000 times
Energy class of LED module	F
Power with driver	7 W
Input voltage	220-240Vac
Output voltage	14-40 VDC
Preselected output current	160 mA
Adjustable output current	Dip switch
Working temperature range	-20°C ...+40°C
PstLM	< 1
SVM	< 0.4
Dimming control	DALI2
Push dimming function	Yes
IP rating of driver	IP20

# Mechanical Specification

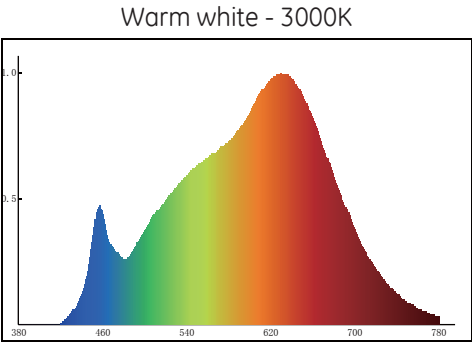
Item	Outer Diameter (mm)	In-ceiling Height (mm)	Cut-hole (mm)
LED Module IP54	90	40	68-83



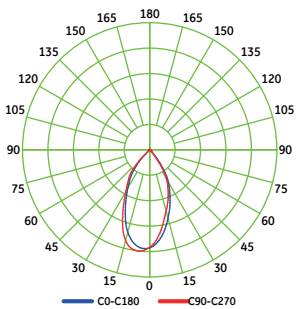
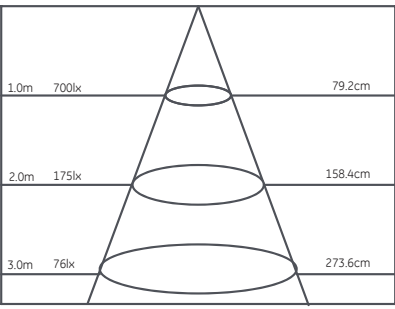
Item	Length (mm)	Width (mm)	Height (mm)
C916-40350DB-F	88	60	27.5



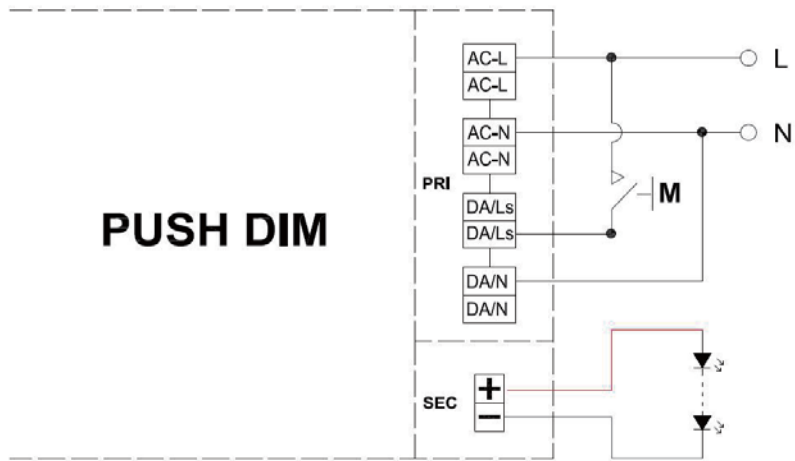
# Spectrum Distribution



# Distribution of luminous intensity



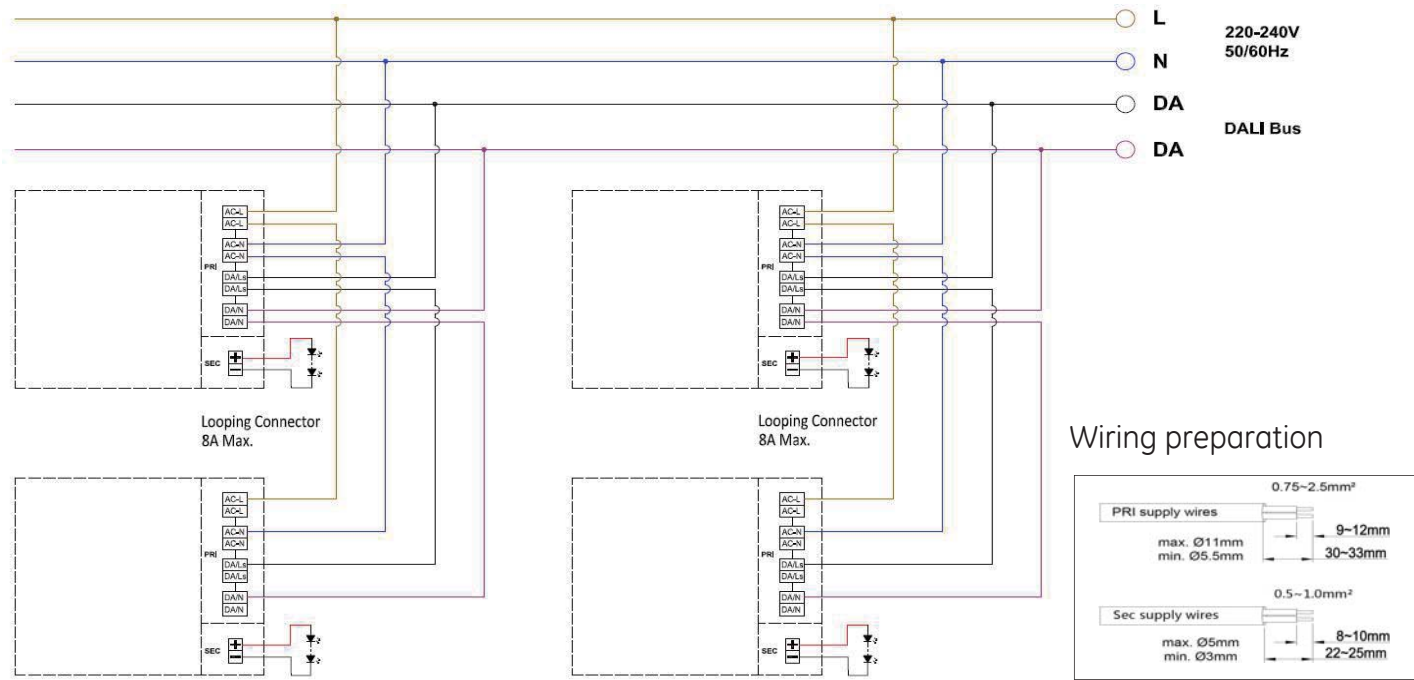
Wiring diagram 01



- Remark:
- a) Up to 20pcs drivers can be controlled by one push-button. Too many drivers on the same switch may result in greater risk of asynchronisms.
  - b) The max cable length between the push-button switch and the farthest driver shall not exceed 105 meters.
  - c) The push button switch can only be connected to the AC/L and PUSH terminals of the driver. It results in the short circuit if the Push Button is connected to the AC/N terminal.

Operation	Action duration	Action
Ultra Short Press	<0.04 sec	Won't cause any action
Briefly Press	0.04-0.5 sec	Light ON/OFF
Press and hold at ON status	0.50-5.0sec	Brightness Dimming down to 1%, or up to 100%
Press and hold at OFF status	0.50-5.0sec	Brightness Dimming From 1% up to 100%
Long Press	>10.0 sec	Reset to factory settings(up to 50%)

Wiring diagram 02



Maximum loading of automatic circuit breakers

Breaker type	C10	C16	C20	B10	B16	B20	Inrush current	Inrush time
EVO E DALI	75	120	150	65	104	130	I <sub>max</sub> 35A	6µs

This are 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.