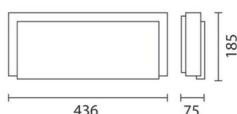


Last information update: June 2018



Large body luminaire for emergency-only operation (SE) 3h 24 W TC-L

Product code

5437

Technical description

The body of the fitting, reflector, frame and opal diffuser screen are made of self-extinguishing shatter-proof polycarbonate. This fitting is designed for emergency lighting with TC-L fluorescent lamp 24W. The screen is fixed to the body by four captive screws that allow for protection degree IP66 (IP65 for ceiling-mounted version). The base comes complete with double PG11 for through wiring. The base is intended for application either on three-body recessed universal connector block (type 503) or water-tight external cable trays with rigid pipes (\varnothing 16/20-mm) by a special junction (accessory). The system functions only in emergency conditions (SE), beginning to operate in the event of power supply failure. Emergency operation 3 hours. Battery recharge time 16 hours. NiCd 4.8V 4.0Ah batteries are used. The fitting is equipped with an autotest device with operation LED. The fitting permits deactivating the emergency operation for short periods (Rest Mode); when power supply is started again, the emergency system resumes its functions too. The fitting permits deactivating the emergency operation for long inactivity periods (Inhibition Mode); it needs manual restarting. The operation LED shows if the fitting is functioning properly or there is a fault. LED on - steady light: correct operation (during the test the LED is on). Quickly flashing LED: lamp fault. Slowly flashing LED: insufficient battery autonomy. LED off: faulty battery (LED off in emergency).

Installation

Surface-mounted.

Dimension (mm)

436x185x75

Colour

White (01)

Weight (Kg)

1.96

Mounting

wall surface

Wiring

Electronic control gear inside the fitting.

Notes

Available accessories: junction for external cable trays and replacement battery. Emergency light flow 171 lumens.

Complies with EN60598-1 and pertinent regulations



Product configuration: 5437+1774

1774: Compact fluorescent lamp 24W 2G11 4000 K (Philips)

Product characteristics

Total lighting output [Lm]: 160
Total power [W]: 27
Luminous efficacy [Lm/W]: 5.9
Ambient temperature range: from -20°C to +35°C.

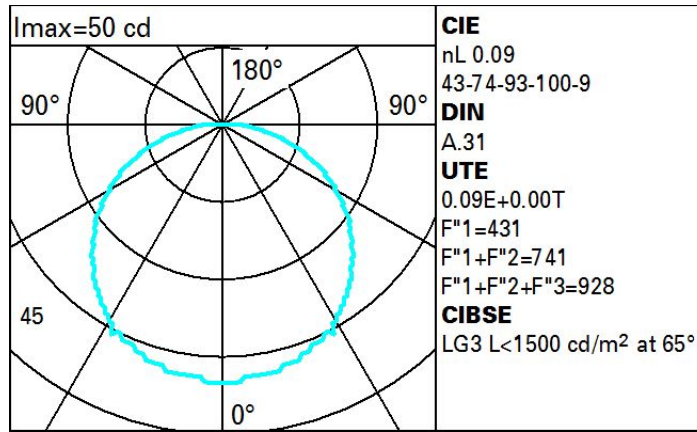
Total luminous flux at or above an angle of 90° [Lm]: 0
Emergency luminous flux [Lm]: 164
Voltage [V]: 230
Number of optical assemblies: 1

Optical assembly Characteristics Type 1

Light Output Ratio (L.O.R.) [%]: 9
Lamp code: 1774
ZVEI Code: TC-L
Nominal power [W]: 24
Nominal luminous [Lm]: 1800
Lamp maximum intensity [cd]: /
Beam angle [°]: /

Number of lamps for optical assembly: 1
Socket: 2G11
Ballast losses [W]: 3
Colour temperature [K]: 4000
CRI: 85
Wavelength [Nm]: /
MacAdam Step: /

Polar



Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	6	5	4	3	5	4	4	3	36
1.0	6	5	5	4	5	5	4	4	43
1.5	7	6	6	5	6	6	6	5	56
2.0	8	7	7	6	7	6	6	6	64
2.5	8	8	7	7	7	7	7	6	70
3.0	8	8	7	7	8	7	7	7	75
4.0	9	8	8	8	8	8	8	7	80
5.0	9	8	8	8	8	8	8	7	83

Luminance curve limit

