

Last information update: April 2025

Product configuration: 816C.15

816C.15: 27 Recessed Full Remote – Warm White – 48Vdc – L=947mm – Wide Flood optic - No Skid Glass - 11.4W 692lm - 3000K - Grey

**Product code**

816C.15: 27 Recessed Full Remote – Warm White – 48Vdc – L=947mm – Wide Flood optic - No Skid Glass - 11.4W 692lm - 3000K - Grey

Technical description

Direct light linear luminaire, designed to use monochrome LED lamps. For ground, wall and ceiling installations, the product requires an outer casing (to be purchased separately). The body is made of extruded aluminium and includes die-cast aluminium end caps with 50/60 Shore A silicone seals. It is subjected to a multi-step, pre-treatment process, in which the main phases are degreasing, fluorozirconation (a protective surface film) and sealing (with a nano-structured silane layer). The following painting stage consists of a primer and a liquid acrylic paint, cured at 150°C, with a high level of weather and UV ray resistance. The top of the optical assembly is closed by an 8 mm thick, non-slip glass screen, conforming to class R13 in accordance with DIN 51130, fixed with silicone. Complete with Warm White multi-LED circuit. Both the control card (available in a DMX-RDM and DALI version) and the power supply must be purchased separately. Supplied with a connector with an IP68 threaded locknut. Fitted with an Opti Beam Lens optical system with a Wide Flood optic. All external screws used are made of A2 stainless steel.

Installation

The outer casing (to be purchased separately) is required for recessed floor, wall and ceiling installations. The outer casing is not required for installations in panelled walls and ceilings. For floor installations a drainage channel must be constructed or gravel inserted for drainage under the outer casing before installation, to guarantee the required IP protection rating. For ceiling installations with plasterboard panels (1-30 mm thick), make the preparation openings as indicated in the instructions sheet and use the steel cables with reinforcement plates in the accessory kit.

Colour

Grey (15)

Weight (Kg)

1.4

Mounting

wall recessed|Floor recessed|ceiling recessed|ground recessed

Complies with EN60598-1 and pertinent regulations



IK09



IP67

The lighting fixtures were designed and tested to withstand a static load of up to 5000 N.

Technical data

Im system:	692	MacAdam Step:	3
W system:	11.4	Life Time LED 1:	100,000h - L85 - B10 (Ta 25°C)
Im source:	1730	Life Time LED 2:	100,000h - L85 - B10 (Ta 40°C)
W source:	9	Voltage [Vin]:	48
Luminous efficiency (Im/W, real value):	60.7	Lamp code:	LED
Im in emergency mode:	-	Number of lamps for optical assembly:	1
Total light flux at or above an angle of 90° [Lm]:	692	ZVEI Code:	LED
Light Output Ratio (L.O.R.) [%]:	40	Number of optical assemblies:	1
Beam angle [°]:	48° / 64°	Intervallo temperatura ambiente:	from -20°C to +35°C. (*)
CRI (minimum):	80	LED current [mA]:	40
Colour temperature [K]:	3000	Control:	PWM

* Preliminary data

Polar

Imax=540 cd C5-185 γ=179°		Lux			
h	d1	d2	Em	Emax	
2	1.8	2.5	96	135	
4	3.6	5	24	34	
6	5.4	7.5	11	15	
8	7.1	10	6	8	