

Last information update: March 2025

**Product configuration: PH28.G1**

PH28.G1: Module for Superrail 48V track - DALI - Neutral White - GL - L=912 - Continuous line - 14.1W 1836lm - 4000K - CRI 90 - Black/Black Transparent

**Product code**

PH28.G1: Module for Superrail 48V track - DALI - Neutral White - GL - L=912 - Continuous line - 14.1W 1836lm - 4000K - CRI 90 - Black/Black Transparent

**Technical description**

Linear lighting product with Neutral White CRI90 monochrome LED complete with adapter for installation on a Superrail 48V track. General Light (High Output) luminaire with Opti-Diamond Space optic available in a White Cover (Transparent white) or Black Cover (Transparent black) version. The adapter made of a thermoplastic material includes the DC/DC driver circuit with a DALI dimmable function. Integrated «power line» technology allows each light module on the track to be adjusted separately. Frameless version main body made of extruded aluminium. A rapid tool-free system for connecting the adapter electrically and mechanically to the track. Module for continuous line not including caps (to be ordered as an accessory)

**Installation**

Mechanical fastening with adapter on a Superrail 48V track. Close the continuous line with a pair of end caps to be ordered separately.

**Colour**

Black/Black Transparent (G1)

**Weight (Kg)**

0.52

**Mounting**

Low voltage track

**Wiring**

Integrated DC/DC LED driver in adapter - direct connection on 48V track. Track power supply unit to be ordered separately.

Complies with EN60598-1 and pertinent regulations

**Technical data**

Im system:	1663	Life Time LED 1:	> 50,000h - L90 - B10 (Ta 25°C)
W system:	14.1	Voltage [Vin]:	48
Im source:	2160	Lamp code:	LED
W source:	12	Number of lamps for optical assembly:	1
Luminous efficiency (Im/W, real value):	118	ZVEI Code:	LED
Im in emergency mode:	-	Number of optical assemblies:	1
Total light flux at or above an angle of 90° [Lm]:	32	LED current [mA]:	72
Light Output Ratio (L.O.R.) [%]:	77	Power factor:	See installation instructions
CRI (minimum):	90	Minimum dimming %:	5
Colour temperature [K]:	4000	Overvoltage protection:	2kV Common mode & 1kV Differential mode
MacAdam Step:	3	Control:	DALI

**Polar**

Imax=1752 cd		C75-255		Lux	
h	d1	d2	Em	Emax	
4	4.6	4.6	84	107	
8	9.2	9.2	21	27	
12	13.8	13.9	9	12	
16	18.4	18.5	5	7	

Diagram: A polar plot showing the beam spread of the lighting module. The plot is a semi-circle with a diameter of 180° and a height of 90°. The beam angle is marked as α = 60°. The plot shows the distribution of light intensity (Lux) at different distances (h) and diameters (d1, d2). The maximum intensity (Emax) is 107 Lux at a distance of 4 units, and the minimum intensity (Em) is 5 Lux at a distance of 16 units.

**Isolux**

