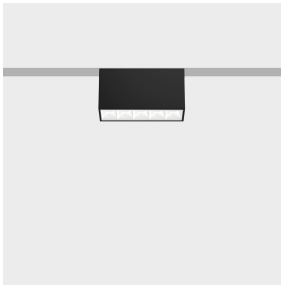


Last information update: February 2025

Product configuration: Q913

Q913: Linear module LB XS for 48V track - GL Pro 5 cells



Product code

Q913: Linear module LB XS for 48V track - GL Pro 5 cells

Technical description

Fixed linear module with 5 optic elements complete with adapter for installation on a 48V low voltage track. 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. Fixed optics with metallised thermoplastic high definition Opti-Beam reflectors. Despite the ultracompact size of the product, the patented technology of the optic system guarantees an efficient luminous flux optimised by a special diffuser screen that reduces direct glare significantly. Extruded aluminium main body and technical dissipation unit. A rapid tool-free system for connecting the adapter electrically and mechanically to the track.

Installation

Mechanical fastening with adapter on track.

Colour

White (01) | Black/white (F2)

Weight (Kg)

0.16

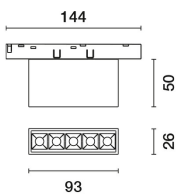
Mounting

Low voltage track

Wiring

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

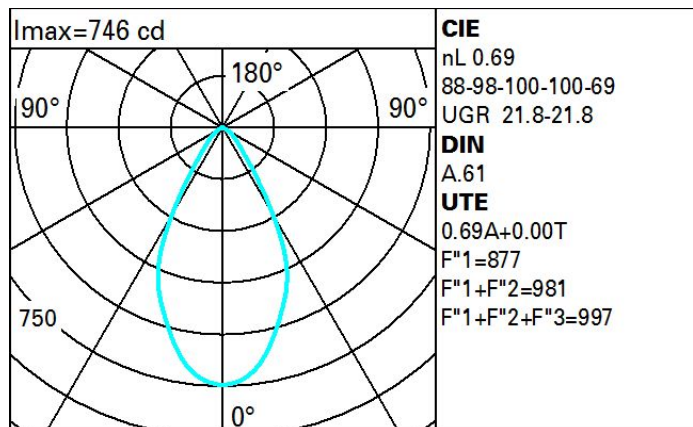
Complies with EN60598-1 and pertinent regulations



Technical data

| | | | |
|--|------|---------------------------------------|---|
| lm system: | 621 | Life Time LED 1: | > 50,000h - L80 - B10 (Ta 25°C) |
| W system: | 11.4 | Lamp code: | LED |
| lm source: | 900 | Number of lamps for optical assembly: | 1 |
| W source: | 10 | ZVEI Code: | LED |
| Luminous efficiency (lm/W, real value): | 54.5 | Number of optical assemblies: | 1 |
| lm in emergency mode: | - | LED current [mA]: | 700 |
| Total light flux at or above an angle of 90° [Lm]: | 0 | Power factor: | See installation instructions |
| Light Output Ratio (L.O.R.) [%]: | 69 | Minimum dimming %: | 5 |
| CRI (minimum): | 90 | Overvoltage protection: | 2kV Common mode & 1kV Differential mode |
| Colour temperature [K]: | 2700 | Control: | DALI |
| MacAdam Step: | 2 | | |

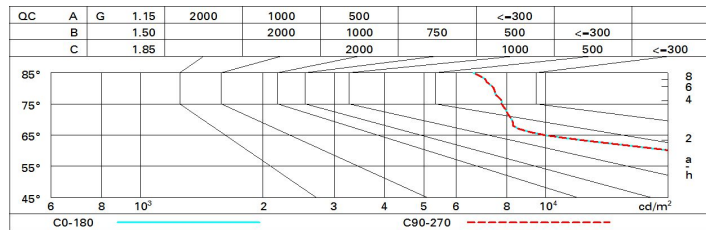
Polar



Utilisation factors

| | | | | | | | | | |
|------|----|----|----|----|----|----|----|----|-----|
| R | 77 | 75 | 73 | 71 | 55 | 53 | 33 | 00 | DRR |
| K0.8 | 58 | 54 | 51 | 49 | 54 | 51 | 51 | 48 | 69 |
| 1.0 | 62 | 58 | 55 | 53 | 57 | 55 | 54 | 52 | 75 |
| 1.5 | 66 | 63 | 61 | 59 | 62 | 60 | 60 | 57 | 83 |
| 2.0 | 69 | 66 | 65 | 63 | 65 | 64 | 63 | 61 | 88 |
| 2.5 | 70 | 68 | 67 | 66 | 67 | 66 | 65 | 63 | 92 |
| 3.0 | 71 | 70 | 69 | 68 | 69 | 68 | 67 | 65 | 94 |
| 4.0 | 72 | 71 | 70 | 70 | 70 | 69 | 68 | 66 | 96 |
| 5.0 | 73 | 72 | 71 | 71 | 71 | 70 | 69 | 67 | 97 |

Luminance curve limit



UGR diagram

| Corrected UGR values (at 900 lm bare lamp luminous flux) | | | | | | | | | | | |
|--|------|------------------|------|------|------|------------|----------------|------|------|------|------|
| Reflect.: | | viewed crosswise | | | | | viewed endwise | | | | |
| ceiling/cav | | 0.70 | 0.70 | 0.50 | 0.50 | 0.30 | 0.70 | 0.70 | 0.50 | 0.50 | 0.30 |
| walls | | 0.50 | 0.30 | 0.50 | 0.30 | 0.30 | 0.50 | 0.30 | 0.50 | 0.30 | 0.30 |
| work pl. | | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 |
| Room dim | | | | | | | | | | | |
| x | y | | | | | | | | | | |
| 2H | 2H | 21.9 | 22.6 | 22.2 | 22.9 | 23.1 | 21.9 | 22.6 | 22.2 | 22.9 | 23.1 |
| | 3H | 21.9 | 22.5 | 22.2 | 22.8 | 23.1 | 21.9 | 22.5 | 22.2 | 22.8 | 23.1 |
| | 4H | 21.8 | 22.5 | 22.2 | 22.7 | 23.1 | 21.8 | 22.4 | 22.2 | 22.7 | 23.0 |
| | 6H | 21.8 | 22.4 | 22.2 | 22.7 | 23.0 | 21.8 | 22.3 | 22.1 | 22.6 | 23.0 |
| | 8H | 21.8 | 22.3 | 22.2 | 22.7 | 23.0 | 21.7 | 22.3 | 22.1 | 22.6 | 22.9 |
| 12H | 21.8 | 22.3 | 22.2 | 22.6 | 23.0 | 21.7 | 22.2 | 22.1 | 22.6 | 22.9 | |
| 4H | 2H | 21.8 | 22.4 | 22.2 | 22.7 | 23.0 | 21.8 | 22.5 | 22.2 | 22.7 | 23.1 |
| | 3H | 21.8 | 22.4 | 22.2 | 22.7 | 23.0 | 21.9 | 22.4 | 22.3 | 22.7 | 23.1 |
| | 4H | 21.8 | 22.3 | 22.2 | 22.7 | 23.0 | 21.8 | 22.3 | 22.2 | 22.7 | 23.0 |
| | 6H | 21.9 | 22.2 | 22.3 | 22.6 | 23.1 | 21.8 | 22.2 | 22.2 | 22.6 | 23.0 |
| | 8H | 21.8 | 22.2 | 22.3 | 22.6 | 23.1 | 21.8 | 22.1 | 22.2 | 22.5 | 23.0 |
| 12H | 21.8 | 22.2 | 22.3 | 22.6 | 23.1 | 21.7 | 22.1 | 22.2 | 22.5 | 22.9 | |
| 8H | 4H | 21.8 | 22.1 | 22.2 | 22.5 | 23.0 | 21.8 | 22.2 | 22.3 | 22.6 | 23.1 |
| | 6H | 21.8 | 22.1 | 22.3 | 22.6 | 23.0 | 21.8 | 22.1 | 22.3 | 22.6 | 23.1 |
| | 8H | 21.8 | 22.1 | 22.3 | 22.5 | 23.0 | 21.8 | 22.1 | 22.3 | 22.5 | 23.0 |
| | 12H | 21.8 | 22.0 | 22.3 | 22.5 | 23.1 | 21.8 | 22.0 | 22.3 | 22.5 | 23.0 |
| 12H | 4H | 21.7 | 22.1 | 22.2 | 22.5 | 22.9 | 21.8 | 22.2 | 22.3 | 22.6 | 23.1 |
| | 6H | 21.8 | 22.0 | 22.3 | 22.5 | 23.0 | 21.8 | 22.1 | 22.3 | 22.6 | 23.0 |
| | 8H | 21.8 | 22.0 | 22.3 | 22.5 | 23.0 | 21.8 | 22.0 | 22.3 | 22.5 | 23.1 |
| Variations with the observer position at spacing: | | | | | | | | | | | |
| S = | 1.0H | 2.4 / -2.2 | | | | 2.4 / -2.2 | | | | | |
| | 1.5H | 4.5 / -4.7 | | | | 4.5 / -4.7 | | | | | |
| | 2.0H | 6.3 / -6.0 | | | | 6.3 / -6.0 | | | | | |