

Last information update: June 2025

Product configuration: QZ14.01

QZ14.01: Linear module LB XS for 48V Superrail track - HC 10 cells - 21.9W 1452.5lm - 2700K - CRI 90 - White

**Product code**

QZ14.01: Linear module LB XS for 48V Superrail track - HC 10 cells - 21.9W 1452.5lm - 2700K - CRI 90 - White

Technical description

Fixed linear module with 10 optic elements complete with adapter for installation on a Superrail LV 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 and a high level of controlled glare visual comfort. Main body made of extruded aluminium. 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)

Weight (Kg)

0.14

Mounting

Low voltage track

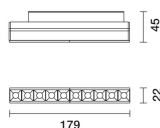
Wiring

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

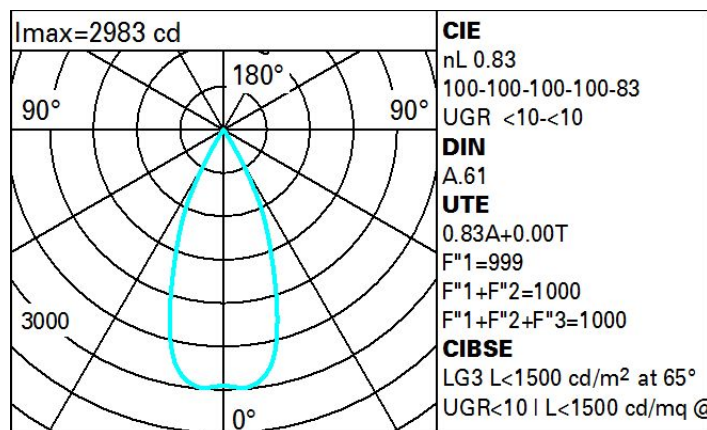
Complies with EN60598-1 and pertinent regulations



IP20

**Technical data**

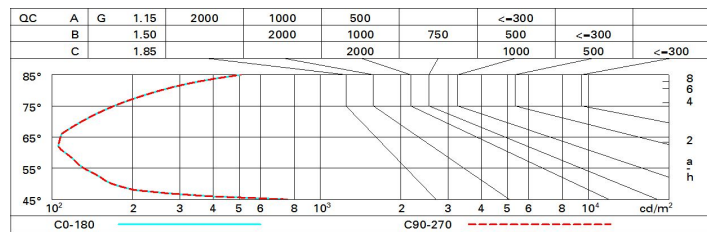
Im system:	1453	MacAdam Step:	2
W system:	21.9	Life Time LED 1:	> 50,000h - L80 - B10 (Ta 25°C)
Im source:	1750	Lamp code:	LED
W source:	20	Number of lamps for optical assembly:	1
Luminous efficiency (Im/W, real value):	66.3	ZVEI Code:	LED
Im in emergency mode:	-	Number of optical assemblies:	1
Total light flux at or above an angle of 90° [Lm]:	0	LED current [mA]:	700
Light Output Ratio (L.O.R.) [%]:	83	Power factor:	See installation instructions
Beam angle [°]:	43°	Minimum dimming %:	5
CRI (minimum):	90	Overvoltage protection:	2kV Common mode & 1kV Differential mode
Rf (Colour Fidelity Index):	92	Dimming mode:	CCR
Rg (Gamut Index):	102	Control:	DALI
Colour temperature [K]:	2700		

Polar

Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	75	71	68	66	70	68	68	65	78
1.0	78	75	72	70	74	72	71	69	83
1.5	82	80	77	76	79	77	76	74	89
2.0	85	83	81	80	82	80	79	77	93
2.5	86	85	84	83	84	83	82	79	96
3.0	87	86	85	85	85	84	83	81	98
4.0	88	87	87	86	86	86	84	82	99
5.0	89	88	88	88	87	87	85	83	100

Luminance curve limit



UGR diagram

Corrected UGR values (at 1750 lm bare lamp luminous flux)											
Reflect.: ceiling/cav walls work pl. Room dim x y		viewed crosswise					viewed endwise				
		0.70	0.70	0.50	0.50	0.30	0.70	0.70	0.50	0.50	0.30
		0.50	0.30	0.50	0.30	0.30	0.50	0.30	0.50	0.30	0.30
		0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
2H	2H	7.0	7.6	7.3	7.8	8.1	7.0	7.6	7.3	7.8	8.1
	3H	6.9	7.4	7.2	7.7	8.0	6.9	7.4	7.2	7.7	8.0
	4H	6.8	7.3	7.2	7.6	7.9	6.8	7.3	7.2	7.6	7.9
	6H	6.8	7.2	7.1	7.5	7.8	6.7	7.2	7.1	7.5	7.8
	8H	6.7	7.2	7.1	7.5	7.8	6.7	7.1	7.1	7.5	7.8
	12H	6.7	7.1	7.1	7.4	7.8	6.7	7.1	7.0	7.4	7.8
4H	2H	6.8	7.3	7.2	7.6	7.9	6.8	7.3	7.2	7.6	7.9
	3H	6.7	7.1	7.0	7.4	7.8	6.7	7.1	7.1	7.4	7.8
	4H	6.6	6.9	7.0	7.3	7.7	6.6	6.9	7.0	7.3	7.7
	6H	6.5	6.8	6.9	7.2	7.6	6.5	6.8	6.9	7.2	7.6
	8H	6.5	6.8	6.9	7.2	7.6	6.5	6.7	6.9	7.2	7.6
	12H	6.4	6.7	6.9	7.1	7.6	6.4	6.7	6.9	7.1	7.6
8H	4H	6.5	6.7	6.9	7.2	7.6	6.5	6.8	6.9	7.2	7.6
	6H	6.4	6.6	6.8	7.1	7.5	6.4	6.6	6.8	7.1	7.5
	8H	6.3	6.5	6.8	7.0	7.5	6.3	6.5	6.8	7.0	7.5
	12H	6.3	6.5	6.8	7.0	7.5	6.3	6.5	6.8	6.9	7.5
12H	4H	6.4	6.7	6.9	7.1	7.6	6.4	6.7	6.9	7.1	7.6
	6H	6.3	6.5	6.8	7.0	7.5	6.3	6.5	6.8	7.0	7.5
	8H	6.3	6.5	6.8	6.9	7.5	6.3	6.5	6.8	7.0	7.5
Variations with the observer position at spacing:											
S =	1.0H	7.0 / -14.5					7.0 / -14.5				
	1.5H	9.8 / -14.7					9.8 / -14.7				
	2.0H	11.8 / -14.8					11.8 / -14.8				