

Last information update: May 2018



Linear module LB XS for 48V track - HC 5 cells - Flood beam

Product code

Q905

Technical description

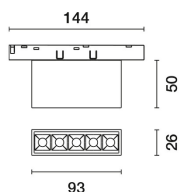
Fixed linear module with 5 optic elements complete with adapter for installation on a 48V low voltage track. The adapter made of a thermoplastic material includes the DC/DC driver circuit with a DALI dimmable function. Integrated «power line» technology allows each light module on the track to be adjusted 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 and a high level of controlled glare visual comfort. 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.

Dimension (mm)

142x26x50



Colour

White (01) | White/Brass (41) | Black/Black (43) | (44) | Black/White (47) | (E7) | (F1)

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



Product configuration: Q905

Product characteristics

Total lighting output [Lm]: 747
 Total power [W]: 11.4
 Luminous efficacy [Lm/W]: 65.5
 Life Time: > 50,000h - L80 - B10 (Ta 25° C)

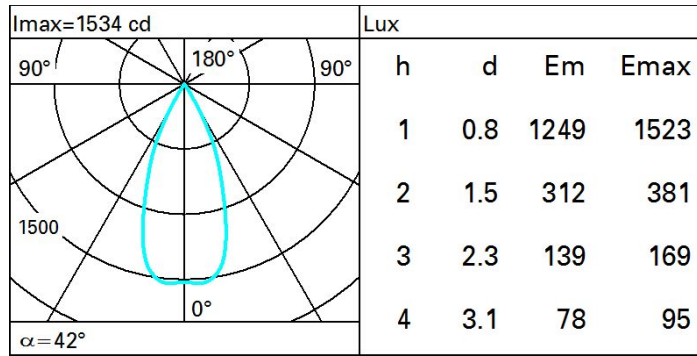
Total luminous flux at or above an angle of 90° [Lm]: 0
 Emergency luminous flux [Lm]: /
 Voltage [V]: -
 Number of optical assemblies: 1

Optical assembly Characteristics Type 1

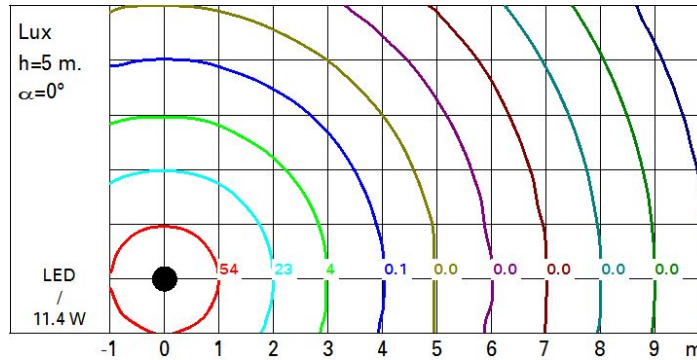
Light Output Ratio (L.O.R.) [%]: 83
 Lamp code: LED
 ZVEI Code: LED
 Nominal power [W]: 9.8
 Nominal luminous [Lm]: 900
 Lamp maximum intensity [cd]: /
 Beam angle [°]: 42°

Number of lamps for optical assembly: 1
 Socket: /
 Ballast losses [W]: 1.6
 Colour temperature [K]: 4000
 CRI: 90
 Wavelength [Nm]: /
 MacAdam Step: 3

Polar



Isolux



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	7.2	7.7	7.5	7.9	8.1	7.2	7.7	7.5	7.9	8.1
	3H	7.1	7.5	7.4	7.8	8.0	7.1	7.5	7.4	7.8	8.0
	4H	7.0	7.4	7.3	7.7	8.0	7.0	7.4	7.3	7.7	8.0
	6H	6.9	7.3	7.3	7.6	7.9	6.9	7.3	7.3	7.6	7.9
	8H	6.9	7.2	7.2	7.6	7.9	6.9	7.2	7.2	7.6	7.9
	12H	6.8	7.2	7.2	7.5	7.9	6.8	7.2	7.2	7.5	7.9
4H	2H	7.0	7.4	7.3	7.7	8.0	7.0	7.4	7.3	7.7	8.0
	3H	6.8	7.2	7.2	7.5	7.9	6.8	7.2	7.2	7.5	7.9
	4H	6.7	7.1	7.1	7.4	7.8	6.7	7.1	7.1	7.4	7.8
	6H	6.7	6.9	7.1	7.3	7.7	6.7	6.9	7.1	7.3	7.7
	8H	6.6	6.9	7.1	7.3	7.7	6.6	6.9	7.0	7.3	7.7
	12H	6.6	6.8	7.0	7.2	7.7	6.6	6.8	7.0	7.2	7.7
8H	4H	6.6	6.9	7.0	7.3	7.7	6.6	6.9	7.1	7.3	7.7
	6H	6.5	6.7	7.0	7.2	7.6	6.5	6.7	7.0	7.2	7.7
	8H	6.5	6.7	7.0	7.1	7.6	6.5	6.7	7.0	7.1	7.6
	12H	6.4	6.6	6.9	7.1	7.6	6.4	6.6	6.9	7.1	7.6
12H	4H	6.6	6.8	7.0	7.2	7.7	6.6	6.8	7.0	7.2	7.7
	6H	6.5	6.6	7.0	7.1	7.6	6.5	6.7	7.0	7.1	7.6
	8H	6.4	6.6	6.9	7.1	7.6	6.4	6.6	6.9	7.1	7.6
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				