

Laser Blade XS

Design iGuzzini

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Frame 10 cells - Wideflood beam - LED

Product code

Q513

Technical description

Linear miniaturised recessed luminaire with 10 optical elements for LED lamps - fixed optics. Despite the ultracompact size of the product, the patented technology of the optic system guarantees an efficient flow and a high level of controlled glare visual comfort. Main body with die-cast aluminium radiant surface, version with perimeter surface frame. Metallised, thermoplastic, high definition Opti Beam reflectors, integrated in a set-back position in the anti-glare screen. Supplied with DALI power supply unit connected to the luminaire.

Installation

Recessed with steel wire springs for false ceilings from 1 to 25 mm thick - preparation hole 24 x 186.

Dimension (mm)

190x28x50

Colour

White (01) | White/Brass (41) | Black/Black (43) | Black/White (47) | Grey/Black (74) | (E7)

Weight (Kg)

0.55

Mounting

wall recessed|ceiling recessed

Wiring

On the power supply unit with terminal board included.

Notes

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Complies with EN60598-1 and pertinent regulations



Product configuration: Q513

Product characteristics

Total lighting output [Lm]: 1204
Total power [W]: 22.8
Luminous efficacy [Lm/W]: 52.8
Life Time: > 50,000h - L80 - B10 (Ta 25°C)

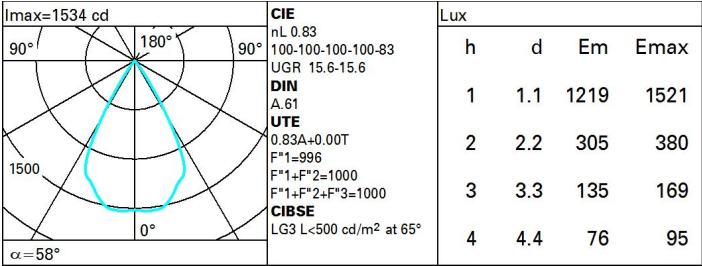
Total luminous flux at or above an angle of 90° [Lm]: 0
Emergency luminous flux [Lm]: /
Voltage [V]: 230
Number of optical assemblies: 1

Optical assembly Characteristics Type 1

Light Output Ratio (L.O.R.) [%]: 83
Lamp code: LED
ZVEI Code: LED
Nominal power [W]: 19
Nominal luminous [Lm]: 1450
Lamp maximum intensity [cd]: /
Beam angle [°]: 58°

Number of lamps for optical assembly: 1
Socket: /
Ballast losses [W]: 3.8
Colour temperature [K]: 2700
CRI: 90
Wavelength [Nm]: /
MacAdam Step: 3

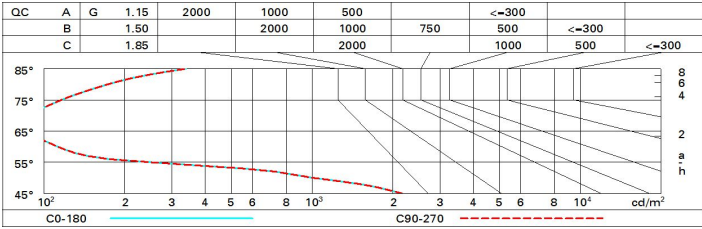
Polar



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	79	77	76	78	77	76	73	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	86	85	83	100

Luminance curve limit



UGR diagram

Corrected UGR values (at 1450 lm bare lamp luminous flux)												
Reflect.: ceiling/cav walls work pl. Room dim x y		0.70	0.70	0.50	0.50	0.30	0.70	0.70	0.50	0.50	0.30	0.30
		0.50	0.30	0.50	0.30	0.30	0.50	0.30	0.50	0.30	0.30	0.30
		0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
		viewed crosswise					viewed endwise					
2H	2H	16.1	16.6	16.4	16.8	17.1	16.1	16.6	16.4	16.8	17.1	
	3H	16.0	16.4	16.3	16.7	17.0	16.0	16.4	16.3	16.7	17.0	
	4H	15.9	16.3	16.3	16.6	16.9	15.9	16.3	16.3	16.6	16.9	
	6H	15.9	16.2	16.2	16.5	16.9	15.9	16.2	16.2	16.5	16.9	
	8H	15.8	16.2	16.2	16.5	16.8	15.8	16.2	16.2	16.5	16.8	
	12H	15.8	16.1	16.2	16.5	16.8	15.8	16.1	16.2	16.5	16.8	
4H	2H	15.9	16.3	16.3	16.6	16.9	15.9	16.3	16.3	16.6	16.9	
	3H	15.8	16.1	16.2	16.5	16.8	15.8	16.1	16.2	16.5	16.8	
	4H	15.7	16.0	16.1	16.4	16.7	15.7	16.0	16.1	16.4	16.7	
	6H	15.6	15.9	16.0	16.3	16.7	15.6	15.9	16.0	16.3	16.7	
	8H	15.6	15.8	16.0	16.2	16.6	15.6	15.8	16.0	16.2	16.6	
	12H	15.5	15.7	16.0	16.2	16.6	15.5	15.7	16.0	16.1	16.6	
8H	4H	15.6	15.8	16.0	16.2	16.6	15.6	15.8	16.0	16.2	16.6	
	6H	15.5	15.7	15.9	16.1	16.6	15.5	15.7	15.9	16.1	16.6	
	8H	15.4	15.6	15.9	16.0	16.5	15.4	15.6	15.9	16.0	16.5	
	12H	15.3	15.5	15.8	16.0	16.5	15.3	15.5	15.8	16.0	16.5	
12H	4H	15.5	15.7	16.0	16.1	16.6	15.5	15.7	16.0	16.2	16.6	
	6H	15.4	15.6	15.9	16.0	16.5	15.4	15.6	15.9	16.0	16.5	
	8H	15.3	15.5	15.8	16.0	16.5	15.3	15.5	15.8	16.0	16.5	
Variations with the observer position at spacing:												
S =		1.0H	6.5 / -24.9					6.5 / -24.9				
		1.5H	9.4 / -25.6					9.4 / -25.6				
		2.0H	11.4 / -25.8					11.4 / -25.8				