

Laser Blade XS

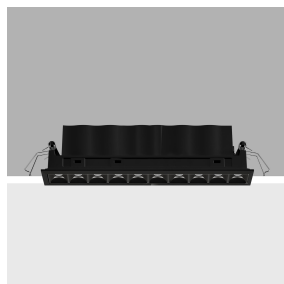
Design iGuzzini

iGuzzini

Last information update: April 2024

Product configuration: Q511

Q511: Frame 10 cells - Medium beam - LED



Product code

Q511: Frame 10 cells - Medium beam - LED

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 a 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.

Colour

White (01) | Black / Black (43) | Black / White (47) | White/Gold (41)* | Grey / Black (74)* | White / burnished chrome (E7)*

Weight (Kg)

0.55

* Colours on request

Mounting

wall recessed|ceiling recessed

Wiring

On the power supply unit with terminal board included.

Complies with EN60598-1 and pertinent regulations



Technical data

Im system:	1383	Life Time LED 1:	> 50,000h - L80 - B10 (Ta 25°C)
W system:	23.1	Voltage [Vin]:	230
Im source:	1750	Lamp code:	LED
W source:	20	Number of lamps for optical assembly:	1
Luminous efficiency (Im/W, real value):	59.8	ZVEI Code:	LED
Im in emergency mode:	-	Number of optical assemblies:	1
Total light flux at or above an angle of 90° [Lm]:	0	Power factor:	See installation instructions
Light Output Ratio (L.O.R.) [%]:	79	Inrush current:	9 A / 22 µs
Beam angle [°]:	25°	Maximum number of luminaires of this type per miniature circuit breaker:	B10A: 20 luminaires B16A: 33 luminaires C10A: 34 luminaires C16A: 56 luminaires
CRI (minimum):	90	Minimum dimming %:	1
Colour temperature [K]:	2700	Overvoltage protection:	2kV Common mode & 1kV Differential mode
MacAdam Step:	2	Control:	DALI-2

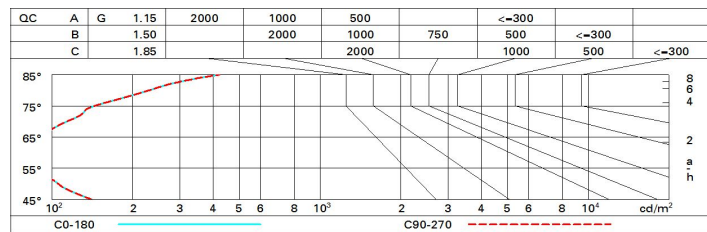
Polar

	CIE nL 0.79 100-100-100-100-79 UGR <10-<10 DIN A.61 UTE 0.79A+0.00T F*1=999 F*1+F*2=1000 F*1+F*2+F*3=1000 CIBSE LG3 L<1500 cd/m² at 65° UGR<10 L<1500 cd/mq @65°	Lux			
		h	d	Em	E _{max}
		2	0.9	1326	1597
		4	1.7	331	399
		6	2.6	147	177
		8	3.4	83	100

Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	71	68	65	63	67	65	64	62	78
1.0	75	71	69	67	70	68	68	66	83
1.5	78	76	74	72	75	73	72	70	89
2.0	81	79	77	76	78	76	76	73	93
2.5	82	81	80	79	80	79	78	76	96
3.0	83	82	81	81	81	80	79	77	98
4.0	84	83	83	82	82	82	80	79	99
5.0	84	84	84	83	83	82	81	79	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				
2H	2H	2.8	4.9	3.2	5.3	5.6	2.8	4.9	3.2	5.3	5.6
	3H	2.7	4.3	3.0	4.6	5.0	2.7	4.3	3.0	4.6	4.9
	4H	2.6	4.0	3.0	4.3	4.6	2.6	3.9	3.0	4.3	4.6
	6H	2.6	3.6	3.0	3.9	4.3	2.6	3.6	3.0	3.9	4.3
	8H	2.5	3.6	2.9	3.9	4.3	2.5	3.5	2.9	3.9	4.3
	12H	2.5	3.5	2.9	3.9	4.3	2.5	3.5	2.9	3.9	4.2
4H	2H	2.6	3.9	3.0	4.3	4.6	2.6	4.0	3.0	4.3	4.6
	3H	2.5	3.5	2.9	3.9	4.2	2.5	3.5	2.9	3.9	4.2
	4H	2.4	3.4	2.8	3.8	4.2	2.4	3.4	2.8	3.8	4.2
	6H	2.0	3.7	2.5	4.1	4.6	2.0	3.7	2.5	4.1	4.6
	8H	1.9	3.8	2.4	4.2	4.7	1.9	3.8	2.4	4.2	4.7
	12H	1.8	3.8	2.3	4.3	4.8	1.8	3.7	2.3	4.2	4.7
8H	4H	1.9	3.8	2.4	4.2	4.7	1.9	3.8	2.4	4.2	4.7
	6H	1.8	3.6	2.3	4.1	4.6	1.8	3.6	2.3	4.1	4.6
	8H	1.8	3.4	2.3	3.9	4.4	1.8	3.4	2.3	3.9	4.4
	12H	2.0	3.0	2.5	3.5	4.0	1.9	3.0	2.5	3.5	4.0
12H	4H	1.8	3.7	2.3	4.2	4.7	1.8	3.8	2.3	4.3	4.8
	6H	1.8	3.3	2.3	3.8	4.4	1.8	3.4	2.3	3.9	4.4
	8H	1.9	3.0	2.5	3.5	4.0	2.0	3.0	2.5	3.5	4.0
Variations with the observer position at spacing:											
S =	1.0H	6.9 / -11.5					6.9 / -11.5				
	1.5H	9.7 / -11.7					9.7 / -11.7				
	2.0H	11.7 / -11.8					11.7 / -11.8				