

Laser Blade XS

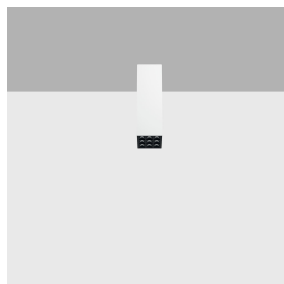
Design iGuzzini

iGuzzini

Last information update: May 2025

Product configuration: Q862

Q862: Ceiling-mounted LB XS square HC - 9 cells - Wide Flood beam - integrated driver



Product code

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Technical description

Ceiling-mounted luminaire with 9 optical elements for LED lamps - 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 body - die-cast zamak technical dissipation unit - shaped steel fixing plate. ON-OFF driver integrated in luminaire body.

Installation

Ceiling-mounted with surface fixing plate (screws and screw anchors not included) - external locking system.

Colour

White (01) | Black / Black (43) | Black / White (47) | White/Gold (41)* | Black/gold (44)* | White / burnished chrome (E7)* | Black/burnished chrome (F1)*

* Colours on request

Weight (Kg)

0.66

Mounting

ceiling surface

Wiring

Cables supplied with quick-coupling terminals for connecting to power supply line.

Complies with EN60598-1 and pertinent regulations



Technical data

Im system:	1204	CRI (minimum):	90
W system:	17.7	Colour temperature [K]:	2700
Im source:	1450	MacAdam Step:	2
W source:	15	Life Time LED 1:	> 50,000h - L80 - B10 (Ta 25°C)
Luminous efficiency (Im/W, real value):	68	Voltage [Vin]:	230
Im in emergency mode:	-	Lamp code:	LED
Total light flux at or above an angle of 90° [Lm]:	0	Number of lamps for optical assembly:	1
Light Output Ratio (L.O.R.) [%]:	83	ZVEI Code:	LED
Beam angle [°]:	58°	Number of optical assemblies:	1

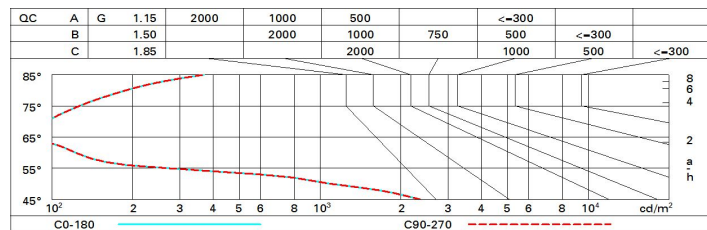
Polar

	CIE nL 0.83 100-100-100-100-83 UGR 15.8-15.8 DIN A.61 UTE 0.83A+0.00T F*1=996 F*1+F*2=1000 F*1+F*2+F*3=1000 CIBSE LG3 L<1500 cd/m² at 65° UGR<16 L<1500 cd/mq @ 65°			
	Lux			
	h	d	Em	E _{max}
	1	1.1	1219	1521
	2	2.2	305	380
α = 58°	3	3.3	135	169
	4	4.4	76	95

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 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
		0.50	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
		viewed crosswise					viewed endwise				
2H	2H	16.4	17.0	16.7	17.2	17.5	16.4	17.0	16.7	17.2	17.5
	3H	16.3	16.8	16.6	17.1	17.4	16.3	16.8	16.6	17.1	17.4
	4H	16.2	16.7	16.5	17.0	17.3	16.2	16.7	16.5	17.0	17.3
	6H	16.1	16.6	16.5	16.9	17.2	16.1	16.6	16.5	16.9	17.2
	8H	16.1	16.5	16.5	16.9	17.2	16.1	16.5	16.5	16.9	17.2
	12H	16.1	16.5	16.4	16.8	17.2	16.1	16.5	16.4	16.8	17.2
4H	2H	16.2	16.7	16.5	17.0	17.3	16.2	16.7	16.5	17.0	17.3
	3H	16.1	16.5	16.4	16.8	17.2	16.1	16.5	16.4	16.8	17.2
	4H	16.0	16.3	16.4	16.7	17.1	16.0	16.3	16.4	16.7	17.1
	6H	15.9	16.2	16.3	16.6	17.0	15.9	16.2	16.3	16.6	17.0
	8H	15.8	16.1	16.3	16.5	17.0	15.8	16.1	16.3	16.5	17.0
	12H	15.8	16.0	16.2	16.5	16.9	15.8	16.0	16.2	16.5	16.9
8H	4H	15.8	16.1	16.3	16.5	17.0	15.8	16.1	16.3	16.5	17.0
	6H	15.7	16.0	16.2	16.4	16.9	15.7	16.0	16.2	16.4	16.9
	8H	15.7	15.9	16.2	16.4	16.9	15.7	15.9	16.2	16.4	16.9
	12H	15.6	15.8	16.1	16.3	16.8	15.6	15.8	16.1	16.3	16.8
12H	4H	15.8	16.0	16.2	16.5	16.9	15.8	16.0	16.2	16.5	16.9
	6H	15.7	15.9	16.2	16.4	16.9	15.7	15.9	16.2	16.4	16.9
	8H	15.6	15.8	16.1	16.3	16.8	15.6	15.8	16.1	16.3	16.8
Variations with the observer position at spacing:											
S =	1.0H	6.5 / -24.9					6.5 / -24.9				
	1.5H	9.4 / -25.0					9.4 / -25.0				
	2.0H	11.4 / -25.8					11.4 / -25.8				