

Laser Blade XS

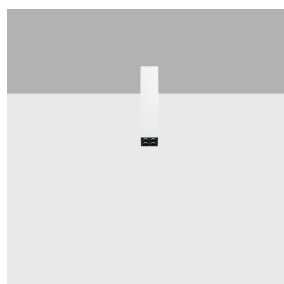
Design iGuzzini

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Last information update: May 2025

Product configuration: Q858

Q858: Ceiling-mounted LB XS square HC - 4 cells - Wide Flood beam - integrated driver



Product code

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Technical description

Ceiling-mounted luminaire with 4 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)

0.41

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:	647	CRI (minimum):	90
W system:	10.2	Colour temperature [K]:	3000
Im source:	780	MacAdam Step:	2
W source:	8	Life Time LED 1:	> 50,000h - L80 - B10 (Ta 25°C)
Luminous efficiency (Im/W, real value):	63.5	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

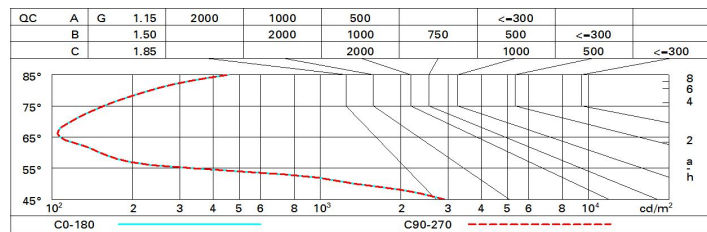
Polar

Imax=825 cd		CIE		Lux			
90°	180°	nL 0.83		h	d	Em	E _{max}
		100-100-100-100-83					
		UGR 16.6-16.6					
		DIN		1	1.1	656	818
		A.61		2	2.2	164	205
		UTE		3	3.3	73	91
		0.83A+0.00T		4	4.4	41	51
		F*1=996					
		F*1+F*2=1000					
		F*1+F*2+F*3=1000					
		CIBSE					
		LG3 L<1500 cd/m² at 65°					
		UGR<19 L<1500 cd/mq @ 65°					
α=58°							

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 780 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	17.1	17.7	17.4	18.0	18.2	17.1	17.7	17.4	18.0	18.2
	3H	17.0	17.5	17.3	17.8	18.1	17.0	17.5	17.3	17.8	18.1
	4H	16.9	17.4	17.3	17.7	18.0	16.9	17.4	17.3	17.7	18.0
	6H	16.9	17.3	17.2	17.6	18.0	16.9	17.3	17.2	17.6	18.0
	8H	16.8	17.3	17.2	17.6	17.9	16.8	17.3	17.2	17.6	17.9
	12H	16.8	17.2	17.2	17.5	17.9	16.8	17.2	17.2	17.5	17.9
4H	2H	16.9	17.4	17.3	17.7	18.0	16.9	17.4	17.3	17.7	18.0
	3H	16.8	17.2	17.2	17.5	17.9	16.8	17.2	17.2	17.5	17.9
	4H	16.7	17.1	17.1	17.4	17.8	16.7	17.1	17.1	17.4	17.8
	6H	16.6	16.9	17.0	17.3	17.7	16.6	16.9	17.0	17.3	17.7
	8H	16.6	16.9	17.0	17.3	17.7	16.6	16.9	17.0	17.3	17.7
	12H	16.5	16.8	17.0	17.2	17.7	16.5	16.8	17.0	17.2	17.7
8H	4H	16.6	16.9	17.0	17.3	17.7	16.6	16.9	17.0	17.3	17.7
	6H	16.5	16.7	16.9	17.2	17.6	16.5	16.7	16.9	17.2	17.6
	8H	16.4	16.6	16.9	17.1	17.6	16.4	16.6	16.9	17.1	17.6
	12H	16.4	16.5	16.9	17.0	17.5	16.4	16.5	16.9	17.0	17.5
12H	4H	16.5	16.8	17.0	17.2	17.7	16.5	16.8	17.0	17.2	17.7
	6H	16.4	16.6	16.9	17.1	17.6	16.4	16.6	16.9	17.1	17.6
	8H	16.4	16.5	16.9	17.0	17.5	16.4	16.5	16.9	17.0	17.5
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				