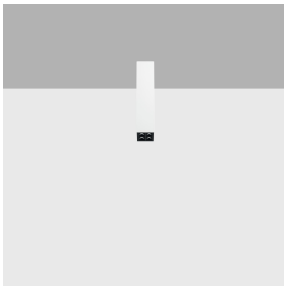
Laser Blade XS

Design iGuzzini **iGuzzini**

Last information update: May 2025

Product configuration: Q857
Q857: Ceiling-mounted LB XS square HC - 4 cells - Wide Flood beam - integrated driver



Product code
Q857: Ceiling-mounted LB XS square HC - 4 cells - Wide Flood beam - integrated driver

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.

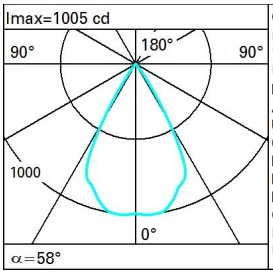
Complies with EN60598-1 and pertinent regulations

IP20

Technical data

lm system:	789	CRI (minimum):	90
W system:	10.2	Colour temperature [K]:	4000
lm source:	950	MacAdam Step:	2
W source:	8	Life Time LED 1:	> 50,000h - L80 - B10 (Ta 25°C)
Luminous efficiency (lm/W, real value):	77.3	Voltage [Vin]:	230
lm 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 17.2-17.2
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<19 I L<1500 cd/mq @65°

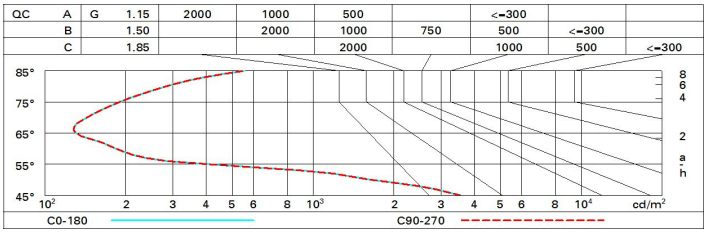
Lux

h	d	Em	Emax
1	1.1	799	997
2	2.2	200	249
3	3.3	89	111
4	4.4	50	62

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 950 lm bare lamp luminous flux)

Riflect.: ceil/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				viewed crosswise					viewed endwise		
x	y										
2H	2H	17.8	18.4	18.1	18.7	18.9	17.8	18.4	18.1	18.7	18.9
	3H	17.7	18.2	18.0	18.5	18.8	17.7	18.2	18.0	18.5	18.8
	4H	17.6	18.1	17.9	18.4	18.7	17.6	18.1	17.9	18.4	18.7
	6H	17.5	18.0	17.9	18.3	18.6	17.5	18.0	17.9	18.3	18.6
	8H	17.5	17.9	17.9	18.3	18.6	17.5	17.9	17.9	18.3	18.6
	12H	17.5	17.9	17.8	18.2	18.6	17.5	17.9	17.8	18.2	18.6
4H	2H	17.6	18.1	17.9	18.4	18.7	17.6	18.1	17.9	18.4	18.7
	3H	17.5	17.9	17.8	18.2	18.6	17.5	17.9	17.8	18.2	18.6
	4H	17.4	17.7	17.8	18.1	18.5	17.4	17.7	17.8	18.1	18.5
	6H	17.3	17.6	17.7	18.0	18.4	17.3	17.6	17.7	18.0	18.4
	8H	17.2	17.5	17.7	18.0	18.4	17.2	17.5	17.7	18.0	18.4
	12H	17.2	17.5	17.6	17.9	18.3	17.2	17.5	17.6	17.9	18.3
8H	4H	17.2	17.5	17.7	18.0	18.4	17.2	17.5	17.7	18.0	18.4
	6H	17.1	17.4	17.6	17.8	18.3	17.1	17.4	17.6	17.8	18.3
	8H	17.1	17.3	17.6	17.8	18.3	17.1	17.3	17.6	17.8	18.3
	12H	17.0	17.2	17.5	17.7	18.2	17.0	17.2	17.5	17.7	18.2
12H	4H	17.2	17.5	17.6	17.9	18.3	17.2	17.5	17.6	17.9	18.3
	6H	17.1	17.3	17.6	17.8	18.3	17.1	17.3	17.6	17.8	18.3
	8H	17.0	17.2	17.5	17.7	18.2	17.0	17.2	17.5	17.7	18.2

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