Laser Blade XS

Design iGuzzini **iGuzzini**

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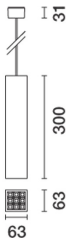


LB XS pendant HC - 9 cells - Wide Flood beam - integrated driver

Product code
Q873

Technical description
Pendant luminaire with 9 optical elements for LED lamps, ideal for zenithal accent lighting. Despite the ultracompact size of the product, the patented technology of the optic system guarantees an efficient luminous flux and a high level of visual comfort. Metallised thermoplastic high definition Opti-Beam reflectors. Extruded aluminium body and die-cast zamak technical dissipation unit. Thermoplastic ceiling rose with shaped steel fixing plate. PVC power/pendant cable in the same colour as the external finish. The cable connection on the pendant body is fitted with a manual adjustment system that facilitates alignment. ON-OFF driver integrated in luminaire body.

Installation
Ceiling rose with surface fixing plate (screws and screw anchors not included)

Dimension (mm)
63x63x300

Colour
White (01) | White/Brass (41) | Black/Black (43) | (44) | Black/White (47) | (E7) | (F1)

Weight (Kg)
0.92

Mounting
ceiling pendant

Wiring
Connection terminal included on ceiling plate - the pendant cable can be adjusted on the pendant body

Complies with EN60598-1 and pertinent regulations

IP20

Product configuration: Q873

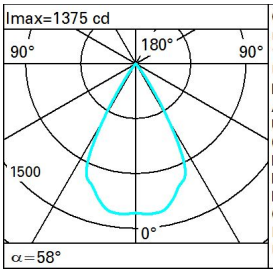
Product characteristics

Total lighting output [Lm]: 1079	Total luminous flux at or above an angle of 90° [Lm]: 0
Total power [W]: 17.7	Emergency luminous flux [Lm]: /
Luminous efficacy [Lm/W]: 61	Voltage [V]: 230
Life Time: > 50,000h - L80 - B10 (Ta 25°C)	Number of optical assemblies: 1

Optical assembly Characteristics Type 1

Light Output Ratio (L.O.R.) [%]: 83	Number of lamps for optical assembly: 1
Lamp code: LED	Socket: /
ZVEI Code: LED	Ballast losses [W]: 2.7
Nominal power [W]: 15	Colour temperature [K]: 3000
Nominal luminous [Lm]: 1300	CRI: 90
Lamp maximum intensity [cd]: /	Wavelength [Nm]: /
Beam angle [°]: 58°	MacAdam Step: 3

Polar



CIE
nL 0.83
100-100-100-100-83
UGR 15.4-15.4
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°

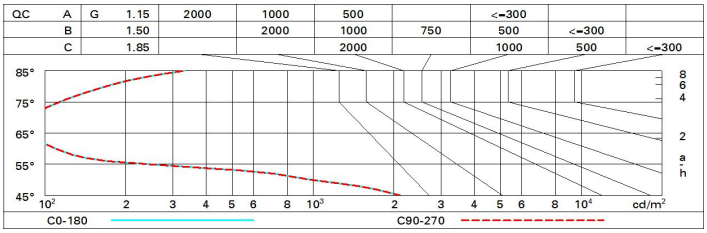
Lux

h	d	Em	Emax
1	1.1	1093	1364
2	2.2	273	341
3	3.3	121	152
4	4.4	68	85

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 1300 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	16.0	16.6	16.3	16.9	17.1	16.0	16.6	16.3	16.9	17.1
	3H	15.9	16.4	16.2	16.7	17.0	15.9	16.4	16.2	16.7	17.0
	4H	15.8	16.3	16.2	16.6	16.9	15.8	16.3	16.2	16.6	16.9
	6H	15.7	16.2	16.1	16.5	16.8	15.7	16.2	16.1	16.5	16.8
	8H	15.7	16.2	16.1	16.5	16.8	15.7	16.2	16.1	16.5	16.8
	12H	15.7	16.1	16.0	16.4	16.8	15.7	16.1	16.0	16.4	16.8
4H	2H	15.8	16.3	16.2	16.6	16.9	15.8	16.3	16.2	16.6	16.9
	3H	15.7	16.1	16.0	16.4	16.8	15.7	16.1	16.0	16.4	16.8
	4H	15.6	16.0	16.0	16.3	16.7	15.6	16.0	16.0	16.3	16.7
	6H	15.5	15.8	15.9	16.2	16.6	15.5	15.8	15.9	16.2	16.6
	8H	15.4	15.7	15.9	16.2	16.6	15.4	15.7	15.9	16.2	16.6
	12H	15.4	15.7	15.9	16.1	16.6	15.4	15.7	15.9	16.1	16.6
8H	4H	15.4	15.7	15.9	16.2	16.6	15.4	15.7	15.9	16.2	16.6
	6H	15.4	15.6	15.8	16.0	16.5	15.4	15.6	15.8	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
	12H	15.3	15.4	15.8	15.9	16.4	15.2	15.4	15.8	15.9	16.4
12H	4H	15.4	15.7	15.9	16.1	16.6	15.4	15.7	15.9	16.1	16.6
	6H	15.3	15.5	15.8	16.0	16.5	15.3	15.5	15.8	16.0	16.5
	8H	15.2	15.4	15.8	15.9	16.4	15.3	15.4	15.8	15.9	16.4

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