Laser Blade XS

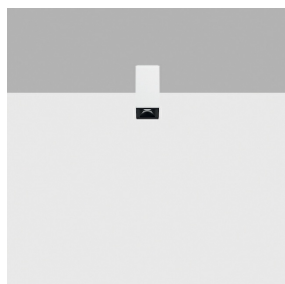**Design iGuzzini**   **iGuzzini**

Last information update: June 2018

Ceiling-mounted LB XS single HC - Flood beam - remote driver

Product code
Q877

Technical description
Ceiling-mounted miniaturised luminaire with LED lamp. Despite the ultracompact size of the product, the patented technology of the optic system guarantees an efficient flow and a high level of visual comfort. Metallised thermoplastic high definition Opti-Beam reflector. Extruded aluminium body - die-cast zamak technical dissipation unit - shaped steel fixing plate. Ballast not included, available with separate code.

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

Dimension (mm)
26x26x50

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

Weight (Kg)
0.06

Mounting
ceiling surface

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

Complies with EN60598-1 and pertinent regulations

III   IP20

CE   CIDET   EAC   A++   pending

Product configuration: Q877

Product characteristics

Total lighting output [Lm]: 120	Total luminous flux at or above an angle of 90° [Lm]: 0
Total power [W]: 2	Emergency luminous flux [Lm]: /
Luminous efficacy [Lm/W]: 60	Voltage [V]: -
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.) [%]: 80	Number of lamps for optical assembly: 1
Lamp code: LED	Socket: /
ZVEI Code: LED	Ballast losses [W]: 0
Nominal power [W]: 2	Colour temperature [K]: 2700
Nominal luminous [Lm]: 150	CRI: 90
Lamp maximum intensity [cd]: /	Wavelength [Nm]: /
Beam angle [°]: 42°	MacAdam Step: 3

Polar

Imax=252 cd

90°   180°   90°

250

0°

α=42°

Lux			
h	d	Em	Emax
1	0.8	201	251
2	1.5	50	63
3	2.3	22	28
4	3.1	13	16

Isolux

Lux
h=5 m.
α=0°

LED / 2 W

9   4   0.7   0.0   0.0   0.0   0.0   0.0   0.0

-1 0 1 2 3 4 5 6 7 8 9 m
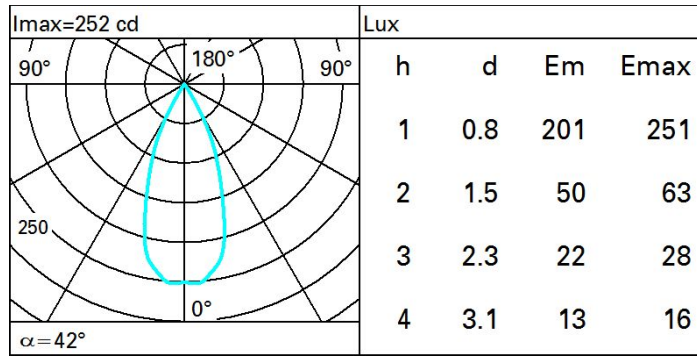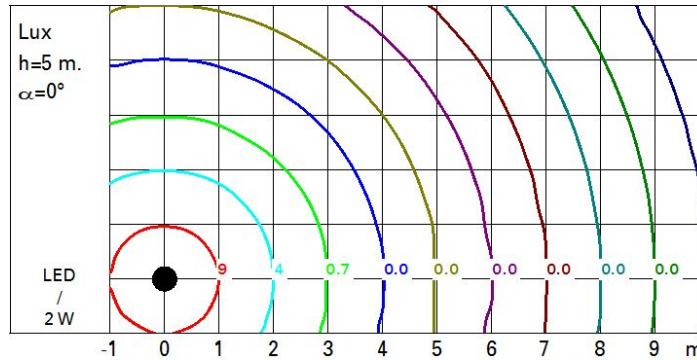
UGR diagram

Corrected UGR values (at 150 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	7.4	7.9	7.6	8.2	8.4	7.4	7.9	7.6	8.2	8.4
	3H	7.2	7.8	7.5	8.0	8.3	7.2	7.8	7.5	8.0	8.3
	4H	7.2	7.7	7.5	8.0	8.2	7.2	7.6	7.5	7.9	8.2
	6H	7.1	7.6	7.5	7.9	8.2	7.1	7.5	7.4	7.8	8.2
	8H	7.1	7.5	7.5	7.8	8.2	7.0	7.5	7.4	7.8	8.1
	12H	7.1	7.5	7.5	7.8	8.2	7.0	7.4	7.4	7.8	8.1
4H	2H	7.2	7.6	7.5	7.9	8.2	7.2	7.7	7.5	8.0	8.2
	3H	7.0	7.4	7.4	7.8	8.1	7.0	7.4	7.4	7.8	8.1
	4H	6.9	7.3	7.3	7.7	8.1	6.9	7.3	7.3	7.7	8.1
	6H	6.9	7.2	7.3	7.6	8.0	6.9	7.2	7.3	7.6	8.0
	8H	6.9	7.2	7.3	7.6	8.0	6.8	7.1	7.3	7.5	8.0
	12H	6.9	7.1	7.3	7.6	8.0	6.8	7.0	7.2	7.5	7.9
8H	4H	6.8	7.1	7.3	7.5	8.0	6.9	7.2	7.3	7.6	8.0
	6H	6.8	7.0	7.2	7.5	7.9	6.8	7.0	7.3	7.5	8.0
	8H	6.8	7.0	7.3	7.4	7.9	6.8	7.0	7.3	7.4	7.9
	12H	6.8	7.0	7.3	7.5	8.0	6.7	6.9	7.2	7.4	7.9
12H	4H	6.8	7.0	7.2	7.5	7.9	6.9	7.1	7.3	7.6	8.0
	6H	6.7	6.9	7.2	7.4	7.9	6.8	7.0	7.3	7.5	8.0
	8H	6.7	6.9	7.2	7.4	7.9	6.8	7.0	7.3	7.5	8.0

Variations with the observer position at spacing:

S =	1.0H	6.7 / -8.9	6.7 / -8.9
	1.5H	9.5 / -9.1	9.5 / -9.1
	2.0H	11.5 / -9.3	11.5 / -9.3