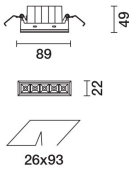
Laser Blade XS

Design iGuzzini **iGuzzini**

Last information update: June 2025

Product configuration: QJ20
QJ20: Minimal 5 cells - Wide Flood beam - Tunable White - LED



Product code
QJ20: Minimal 5 cells - Wide Flood beam - Tunable White - LED

Technical description
Minimal linear 5 optic element recessed miniaturised luminaire. Using LED lamps with a high colour rendering index and a different colour temperature allows dynamic light modulation to be obtained. The variation is achieved by mixing an emission of 3 x 2700K LEDs and 2 x 5700K LEDs. Despite the disparity of lamps that use extreme channels - 2700K and 5700K - the intensity of the flux emitted remains the same. Moreover, even when products of different sizes are used, the colour temperature remains constant and uniform. Main body with die-cast aluminium radiant surface; frameless version for mounting flush with ceiling. For recessed installation in a false ceiling a specific adapter is required that is available with a separate item code. Metallised, thermoplastic, high definition Opti Beam reflectors, integrated in a set-back position in the anti-glare screen. The product is designed to be used together with codes 6170 + M630 to obtain a solution suitable for small to medium systems that can be programmed with a DALI protocol via a simple and intuitive user touch-panel. Other management systems are also available with a separate code for larger systems that require the intervention of a specialised technician to programme them: the MH97 + MH93 + MI02 group offers a DALI / KNX programmable solution, and the MH97 + MH93 + M618 group allows the system management to be extended to remote devices like tablet and smartphones too.

Installation
The luminaire is recessed in the specific adapter (QJ90) by means of a steel wire spring, previously installed on the ceiling that can be 12.5 / 15 / 20 mm thick. A special protective sheath allows finishing operations on the plasterboard to be simplified and speeded up.

Colour
White (01) | Black (04) | Gold (14)* | Burnished chrome (E6)*

Weight (Kg)
0.45

* Colours on request

Mounting
wall recessed|ceiling recessed

Wiring
DALI control gear units included. Different management systems are available with a separate code. For technical details, properties and connection procedures see the instruction sheet.

Notes
The special steel wire spring provided is required to facilitate the eventual extraction of the recessed body once it has been inserted.

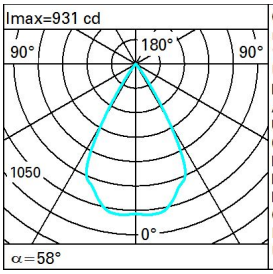
Complies with EN60598-1 and pertinent regulations

IP20 IP23

Technical data

lm system:	730	CRI (minimum):	90
W system:	12.8	Colour temperature [K]:	Tunable white 2700 - 5700
lm source:	880	Life Time LED 1:	> 50,000h - L80 - B10 (Ta 25°C)
W source:	8.6	Lamp code:	LED
Luminous efficiency (lm/W, real value):	57.1	Number of lamps for optical assembly:	1
lm in emergency mode:	-	ZVEI Code:	LED
Total light flux at or above an angle of 90° [Lm]:	0	Number of optical assemblies:	1
Light Output Ratio (L.O.R.) [%]:	83	Control:	DALI-2
Beam angle [°]:	58°		

Polar



CIE
nL 0.83
100-100-100-100-83
UGR 16.3-16.3
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 | L<1500 cd/mq @65°

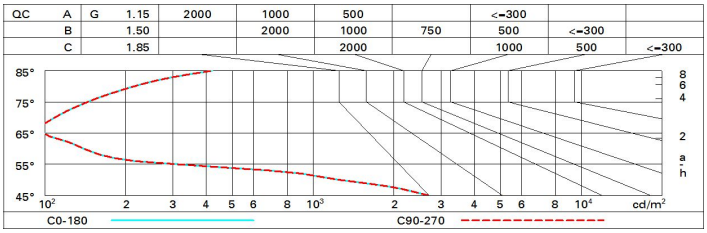
Lux

h	d	Em	Emax
1	1.1	740	923
2	2.2	185	231
3	3.3	82	103
4	4.4	46	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 880 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	16.9	17.3	17.2	17.6	17.8	16.9	17.3	17.2	17.6	17.8
	3H	16.8	17.2	17.1	17.4	17.7	16.8	17.2	17.1	17.4	17.7
	4H	16.7	17.1	17.0	17.4	17.7	16.7	17.1	17.0	17.4	17.7
	6H	16.6	17.0	17.0	17.3	17.6	16.6	17.0	17.0	17.3	17.6
	8H	16.6	16.9	16.9	17.2	17.6	16.6	16.9	16.9	17.2	17.6
	12H	16.5	16.9	16.9	17.2	17.6	16.5	16.9	16.9	17.2	17.6
4H	2H	16.7	17.1	17.0	17.4	17.7	16.7	17.1	17.0	17.4	17.7
	3H	16.5	16.9	16.9	17.2	17.6	16.5	16.9	16.9	17.2	17.6
	4H	16.4	16.7	16.8	17.1	17.5	16.4	16.7	16.8	17.1	17.5
	6H	16.4	16.6	16.8	17.0	17.4	16.4	16.6	16.8	17.0	17.4
	8H	16.3	16.5	16.7	17.0	17.4	16.3	16.5	16.7	17.0	17.4
	12H	16.3	16.5	16.7	16.9	17.4	16.3	16.5	16.7	16.9	17.4
8H	4H	16.3	16.5	16.7	17.0	17.4	16.3	16.5	16.7	17.0	17.4
	6H	16.2	16.4	16.7	16.9	17.3	16.2	16.4	16.7	16.9	17.3
	8H	16.2	16.3	16.6	16.8	17.3	16.2	16.3	16.6	16.8	17.3
	12H	16.1	16.2	16.6	16.7	17.3	16.1	16.2	16.6	16.7	17.2
12H	4H	16.3	16.5	16.7	16.9	17.4	16.3	16.5	16.7	16.9	17.4
	6H	16.2	16.3	16.6	16.8	17.3	16.2	16.3	16.6	16.8	17.3
	8H	16.1	16.2	16.6	16.7	17.2	16.1	16.2	16.6	16.7	17.3

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