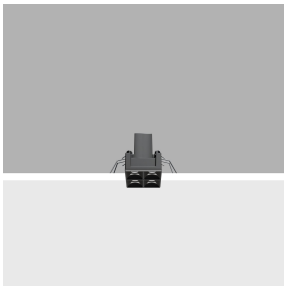
Laser Blade XS

Design iGuzzini **iGuzzini**

Last information update: June 2025

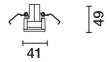
Product configuration: QJ00
QJ00: Minimal 4 cells - Flood beam - LED



Product code
QJ00: Minimal 4 cells - Flood beam - LED

Technical description
Square miniaturised recessed luminaire with 4 optical elements for LED lamps - fixed optic. 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. Main body with die-cast aluminium radiant surface, minimal (frameless) version for mounting flush with the 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 reflector, integrated in a set-back position in the anti-glare screen. Ballast not included, available with separate code.

Installation
The luminaire is recessed in the specific adapter (QJ89) 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	**Weight (Kg)**
White (01) | Black (04) | Gold (14)* | Burnished chrome (E6)*	0.07

* Colours on request

Mounting
wall recessed|ceiling recessed

Wiring
Constant current ballasts to be ordered separately: ON-OFF - code no. MXF9 (min 1 / max 2); dimmable DALI - code no. BZM4 (min 1 / max 5) - check the instruction sheet for the lengths and compatible cross-sections of the cables to be used.

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

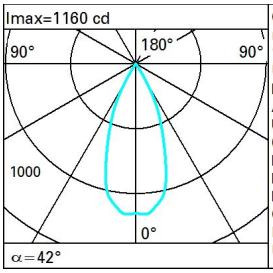
IP20

Technical data

lm system:	552
W system:	7.9
lm source:	690
W source:	7.9
Luminous efficiency (lm/W, real value):	69.9
lm in emergency mode:	-
Total light flux at or above an angle of 90° [Lm]:	0
Light Output Ratio (L.O.R.) [%]:	80
Beam angle [°]:	42°

CRI (minimum):	90
Colour temperature [K]:	2700
MacAdam Step:	2
Life Time LED 1:	> 50,000h - L80 - B10 (Ta 25°C)
Lamp code:	LED
Number of lamps for optical assembly:	1
ZVEI Code:	LED
Number of optical assemblies:	1
LED current [mA]:	700

Polar



CIE
nL 0.80
100-100-100-100-80
UGR <10-<10
DIN
A.61
UTE
0.80A+0.00T
F"1=997
F"1+F"2=999
F"1+F"2+F"3=1000
CIBSE
LG3 L<1500 cd/m² at 65°
UGR<10 | L<1500 cd/mq @65°

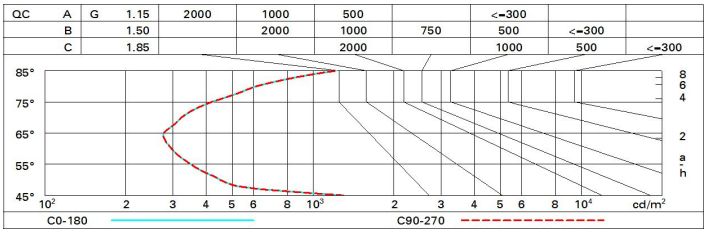
Lux

h	d	Em	Emax
1	0.8	924	1155
2	1.5	231	289
3	2.3	103	128
4	3.1	58	72

Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	72	69	66	64	68	66	65	63	78
1.0	75	72	70	68	71	69	69	66	83
1.5	79	77	75	73	76	74	73	71	89
2.0	82	80	78	77	79	77	76	74	93
2.5	83	82	81	80	81	80	79	77	96
3.0	84	83	82	82	82	81	80	78	98
4.0	85	84	84	83	83	83	81	79	99
5.0	86	85	85	84	84	83	82	80	100

Luminance curve limit



UGR diagram

Corrected UGR values (at 690 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	7.6	8.2	7.9	8.5	8.7	7.6	8.2	7.9	8.5	8.7
	3H	7.5	8.0	7.8	8.3	8.6	7.5	8.0	7.8	8.3	8.6
	4H	7.5	7.9	7.8	8.2	8.5	7.4	7.9	7.8	8.2	8.5
	6H	7.4	7.8	7.7	8.2	8.5	7.4	7.8	7.7	8.1	8.5
	8H	7.4	7.8	7.7	8.1	8.5	7.3	7.8	7.7	8.1	8.4
	12H	7.4	7.8	7.7	8.1	8.5	7.3	7.7	7.7	8.0	8.4
4H	2H	7.4	7.9	7.8	8.2	8.5	7.5	7.9	7.8	8.2	8.5
	3H	7.3	7.7	7.7	8.1	8.4	7.3	7.7	7.7	8.1	8.4
	4H	7.2	7.6	7.6	8.0	8.3	7.2	7.6	7.6	8.0	8.3
	6H	7.2	7.5	7.6	7.9	8.3	7.1	7.5	7.6	7.9	8.3
	8H	7.2	7.4	7.6	7.9	8.3	7.1	7.4	7.5	7.8	8.2
	12H	7.2	7.4	7.6	7.8	8.3	7.1	7.3	7.5	7.8	8.2
8H	4H	7.1	7.4	7.5	7.8	8.2	7.2	7.4	7.6	7.9	8.3
	6H	7.1	7.3	7.5	7.7	8.2	7.1	7.3	7.6	7.8	8.3
	8H	7.1	7.3	7.5	7.7	8.2	7.1	7.3	7.5	7.7	8.2
	12H	7.1	7.3	7.6	7.8	8.3	7.0	7.2	7.5	7.7	8.2
12H	4H	7.1	7.3	7.5	7.8	8.2	7.2	7.4	7.6	7.8	8.3
	6H	7.0	7.2	7.5	7.7	8.2	7.1	7.3	7.6	7.8	8.3
	8H	7.0	7.2	7.5	7.7	8.2	7.1	7.3	7.6	7.8	8.3

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