Laser Blade XS

Design iGuzzini **iGuzzini**

Last information update: June 2025

Product configuration: Q554
Q554: Minimal 5 cells - Wideflood beam - LED

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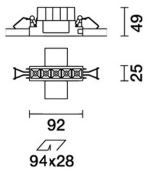
Technical description
Linear miniaturised recessed luminaire with 5 optical elements for LED lamps - fixed optic. Despite the ultracompact size of the product, the patented technology of the optic system guarantees an efficient flow and a high level of controlled glare visual comfort. Main body with die-cast zamak radiant surface, minimal (frameless) version for mounting flush with the ceiling. Metallised, thermoplastic, high definition Opti Beam reflectors, integrated in a set-back position in the anti-glare screen. Supplied with a power supply unit connected to the luminaire.

Installation
Recessed with steel wire springs on the specific adapter (included) which allows flush-mounting with the ceiling. Adapter fixed to false ceiling (compatible thicknesses of 12.5 / 15 / 20 mm) with screws; subsequent filling and smoothing operations; insertion of luminaire body and aesthetic end finishing. A special protective sheath allows finishing operations on the plasterboard to be simplified and speeded up. Preparation hole 28 x 94.



Weight (Kg)
0.37

Mounting
wall recessed|ceiling recessed

Wiring
On the power supply unit with terminal board included.

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

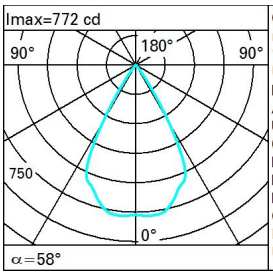
Complies with EN60598-1 and pertinent regulations

IP20

Technical data

lm system:	606	CRI (minimum):	90
W system:	12.7	Colour temperature [K]:	2700
lm source:	730	MacAdam Step:	3
W source:	9.7	Life Time LED 1:	> 50,000h - L80 - B10 (Ta 25°C)
Luminous efficiency (lm/W, real value):	47.7	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 15.7-15.7
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 I L<1500 cd/mq @65°

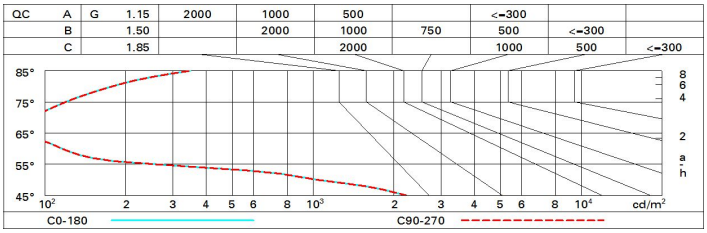
Lux

h	d	Em	Emax
1	1.1	614	766
2	2.2	153	191
3	3.3	68	85
4	4.4	38	48

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 730 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	16.2	16.7	16.5	16.9	17.2	16.2	16.7	16.5	16.9	17.2
	3H	16.1	16.5	16.4	16.8	17.1	16.1	16.5	16.4	16.8	17.1
	4H	16.0	16.4	16.4	16.7	17.0	16.0	16.4	16.4	16.7	17.0
	6H	16.0	16.3	16.3	16.6	17.0	16.0	16.3	16.3	16.6	17.0
	8H	15.9	16.3	16.3	16.6	16.9	15.9	16.3	16.3	16.6	16.9
	12H	15.9	16.2	16.3	16.6	16.9	15.9	16.2	16.3	16.6	16.9
4H	2H	16.0	16.4	16.4	16.7	17.0	16.0	16.4	16.4	16.7	17.0
	3H	15.9	16.2	16.3	16.6	16.9	15.9	16.2	16.3	16.6	16.9
	4H	15.8	16.1	16.2	16.5	16.8	15.8	16.1	16.2	16.5	16.8
	6H	15.7	16.0	16.1	16.4	16.8	15.7	16.0	16.1	16.4	16.8
	8H	15.7	15.9	16.1	16.3	16.7	15.7	15.9	16.1	16.3	16.7
	12H	15.6	15.8	16.1	16.3	16.7	15.6	15.8	16.1	16.3	16.7
8H	4H	15.7	15.9	16.1	16.3	16.7	15.7	15.9	16.1	16.3	16.7
	6H	15.6	15.8	16.0	16.2	16.7	15.6	15.8	16.0	16.2	16.7
	8H	15.5	15.7	16.0	16.1	16.6	15.5	15.7	16.0	16.1	16.6
	12H	15.4	15.6	15.9	16.1	16.6	15.4	15.6	15.9	16.1	16.6
12H	4H	15.6	15.8	16.1	16.3	16.7	15.6	15.8	16.1	16.3	16.7
	6H	15.5	15.7	16.0	16.1	16.6	15.5	15.7	16.0	16.1	16.6
	8H	15.4	15.6	15.9	16.1	16.6	15.4	15.6	15.9	16.1	16.6

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