Laser Blade XS

Design iGuzzini **iGuzzini**

Last information update: May 2025

Product configuration: Q948
Q948: Frame recessed luminaire - 5 cells - General Lighting Pro - DALI

Product code
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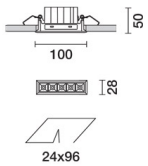
Technical description
Rectangular recessed miniaturised luminaire with 5 optical elements for LED sources - fixed optics with metallised thermoplastic high definition Opti-Beam reflectors, integrated in a set-back position in the anti-glare screen. Main body with die-cast aluminium radiant surface, version with perimeter surface frame. Despite the ultracompact size of the product, the combination of a total white finish and the patented technology of the optic system guarantees an even and efficient luminous flux optimised by a special diffuser screen that reduces direct glare significantly.Supplied with DALI dimmable electronic power supply connected to the luminaire.

Installation
Recessed with steel wire springs for false ceilings from 1 to 25 mm thick - preparation hole 24 x 96.

Colour
White (01)

Weight (Kg)
0.35



Mounting
wall recessed|ceiling recessed

Wiring
On power supply; quick-coupling connection

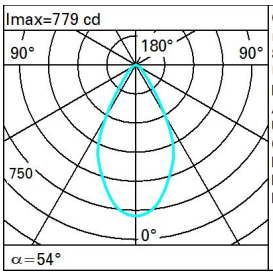
Complies with EN60598-1 and pertinent regulations

IP20 IP43

Technical data

lm system:	649	Colour temperature [K]:	3000
W system:	12.4	MacAdam Step:	2
lm source:	940	Life Time LED 1:	> 50,000h - L80 - B10 (Ta 25°C)
W source:	9.9	Lamp code:	LED
Luminous efficiency (lm/W, real value):	52.3	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.) [%]:	69	Control:	DALI-2
CRI (minimum):	90		

Polar



CIE
nL 0.69
88-98-100-100-69
UGR 22.0-21.9
DIN
A.61
UTE
0.69A+0.00T
F"1=877
F"1+F"2=981
F"1+F"2+F"3=997

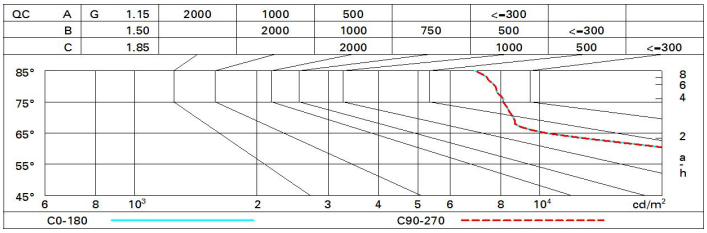
Lux

h	d	Em	Emax
1	1	578	779
2	2	144	195
3	3.1	64	87
4	4.1	36	49

Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	58	54	51	49	54	51	51	48	69
1.0	62	58	55	53	57	55	54	52	75
1.5	66	63	61	59	62	60	60	57	83
2.0	69	66	65	63	65	64	63	61	88
2.5	70	68	67	66	67	66	65	63	92
3.0	71	70	69	68	69	68	67	65	94
4.0	72	71	70	70	70	69	68	66	96
5.0	73	72	71	71	71	70	69	67	97

Luminance curve limit



UGR diagram

Corrected UGR values (at 940 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	22.1	22.7	22.3	22.9	23.2	22.1	22.7	22.3	22.9	23.2
	3H	22.0	22.6	22.3	22.9	23.1	22.1	22.6	22.4	22.9	23.2
	4H	22.0	22.5	22.3	22.8	23.1	22.0	22.5	22.3	22.8	23.1
	6H	22.0	22.5	22.3	22.8	23.1	21.9	22.4	22.3	22.7	23.1
	8H	22.0	22.5	22.3	22.8	23.1	21.9	22.4	22.3	22.7	23.0
	12H	22.0	22.4	22.3	22.8	23.1	21.9	22.3	22.2	22.7	23.0
4H	2H	22.0	22.5	22.3	22.8	23.1	22.0	22.5	22.3	22.8	23.1
	3H	22.0	22.5	22.4	22.8	23.2	22.0	22.5	22.4	22.8	23.2
	4H	22.0	22.4	22.4	22.8	23.2	22.0	22.4	22.4	22.8	23.2
	6H	22.0	22.4	22.4	22.8	23.2	22.0	22.3	22.4	22.7	23.1
	8H	22.0	22.3	22.5	22.8	23.2	21.9	22.3	22.4	22.7	23.1
	12H	22.0	22.3	22.5	22.7	23.2	21.9	22.2	22.3	22.6	23.1
8H	4H	21.9	22.3	22.4	22.7	23.1	22.0	22.3	22.5	22.8	23.2
	6H	22.0	22.2	22.4	22.7	23.2	22.0	22.3	22.5	22.7	23.2
	8H	22.0	22.2	22.5	22.7	23.2	22.0	22.2	22.5	22.7	23.2
	12H	22.0	22.2	22.5	22.7	23.2	22.0	22.2	22.5	22.6	23.2
12H	4H	21.9	22.2	22.3	22.6	23.1	22.0	22.3	22.5	22.7	23.2
	6H	21.9	22.2	22.4	22.6	23.1	22.0	22.2	22.5	22.7	23.2
	8H	22.0	22.2	22.5	22.6	23.2	22.0	22.2	22.5	22.7	23.2

Variations with the observer position at spacing:

S =			
	1.0H	2.4 / -2.2	2.4 / -2.2
	1.5H	4.5 / -4.7	4.5 / -4.7
	2.0H	6.3 / -6.0	6.3 / -6.0