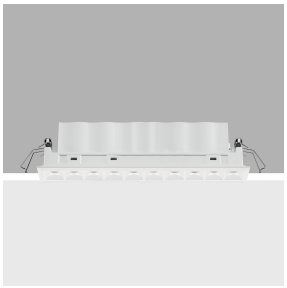
Laser Blade XS

Design iGuzzini **iGuzzini**

Last information update: May 2025

Product configuration: Q510.01
Q510.01: Frame 10 cells - Wideflood beam - LED - 23.1W 1535.5lm - 3000K - CRI 90 - White



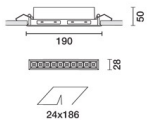
Product code
Q510.01: Frame 10 cells - Wideflood beam - LED - 23.1W 1535.5lm - 3000K - CRI 90 - White

Technical description
Linear miniaturised recessed luminaire with 10 optical elements for LED lamps - fixed optics. 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 aluminium radiant surface, version with perimeter surface frame. Metallised, thermoplastic, high definition Opti Beam reflectors, integrated in a set-back position in the anti-glare screen. Supplied with DALI power supply unit connected to the luminaire.

Installation
Recessed with steel wire springs for false ceilings from 1 to 25 mm thick - preparation hole 24 x 186.

Colour
White (01)

Weight (Kg)
0.55



Mounting
wall recessed|ceiling recessed

Wiring
On the power supply unit with terminal board included.

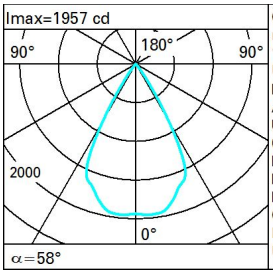
Complies with EN60598-1 and pertinent regulations

IP20 IP23

Technical data

lm system:	1536	Rg (Gamut Index):	101
W system:	23.1	Colour temperature [K]:	3000
lm source:	1850	MacAdam Step:	2
W source:	20	Life Time LED 1:	> 50,000h - L80 - B10 (Ta 25°C)
Luminous efficiency (lm/W, real value):	66.5	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
CRI (minimum):	90	Control:	DALI-2
Rf (Colour Fidelity Index):	93		

Polar



CIE
nL 0.83
100-100-100-100-83
UGR 16.4-16.4
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°

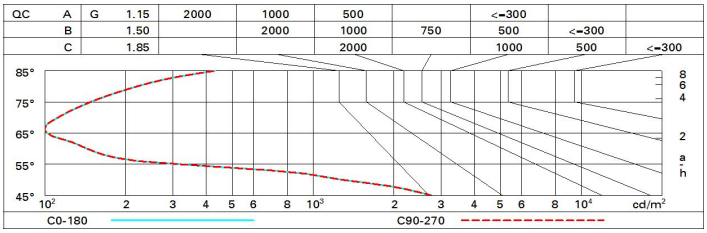
Lux

h	d	Em	Emax
2	2.2	389	485
4	4.5	97	121
6	6.7	43	54
8	8.9	24	30

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 1850 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	17.0	17.4	17.3	17.7	17.9	17.0	17.4	17.3	17.7	17.9
	3H	16.9	17.3	17.2	17.5	17.8	16.9	17.3	17.2	17.5	17.8
	4H	16.8	17.2	17.1	17.5	17.8	16.8	17.2	17.1	17.5	17.8
	6H	16.7	17.1	17.0	17.4	17.7	16.7	17.1	17.0	17.4	17.7
	8H	16.7	17.0	17.0	17.3	17.7	16.7	17.0	17.0	17.3	17.7
	12H	16.6	17.0	17.0	17.3	17.6	16.6	17.0	17.0	17.3	17.6
4H	2H	16.8	17.2	17.1	17.5	17.8	16.8	17.2	17.1	17.5	17.8
	3H	16.6	17.0	17.0	17.3	17.6	16.6	17.0	17.0	17.3	17.6
	4H	16.5	16.8	16.9	17.2	17.6	16.5	16.8	16.9	17.2	17.6
	6H	16.4	16.7	16.9	17.1	17.5	16.4	16.7	16.9	17.1	17.5
	8H	16.4	16.6	16.8	17.1	17.5	16.4	16.6	16.8	17.1	17.5
	12H	16.3	16.6	16.8	17.0	17.5	16.3	16.6	16.8	17.0	17.5
8H	4H	16.4	16.6	16.8	17.1	17.5	16.4	16.6	16.8	17.1	17.5
	6H	16.3	16.5	16.8	16.9	17.4	16.3	16.5	16.8	16.9	17.4
	8H	16.2	16.4	16.7	16.9	17.4	16.2	16.4	16.7	16.9	17.4
	12H	16.2	16.3	16.7	16.8	17.3	16.2	16.3	16.7	16.8	17.3
12H	4H	16.3	16.6	16.8	17.0	17.5	16.3	16.6	16.8	17.0	17.5
	6H	16.2	16.4	16.7	16.9	17.4	16.2	16.4	16.7	16.9	17.4
	8H	16.2	16.3	16.7	16.8	17.3	16.2	16.3	16.7	16.8	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