

# Laser Blade XS

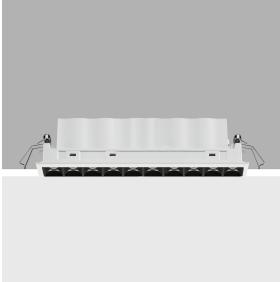
Design iGuzzini

iGuzzini

Last information update: February 2025

## Product configuration: Q513

Q513: Frame 10 cells - Wideflood beam - LED



### Product code

Q513: Frame 10 cells - Wideflood beam - LED

### 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) | Black / Black (43) | Black / White (47) | White/Gold (41)\* | Grey / Black (74)\* | White / burnished chrome (E7)\*

### Weight (Kg)

0.55

\* Colours on request

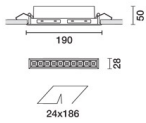
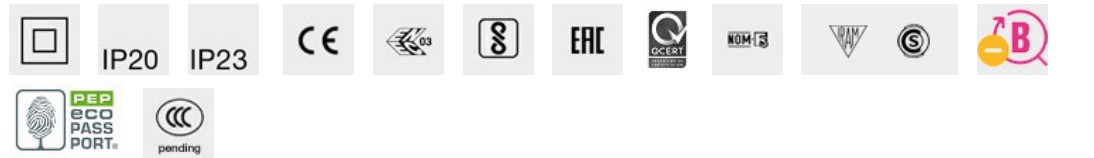
### Mounting

wall recessed|ceiling recessed

### Wiring

On the power supply unit with terminal board included.

Complies with EN60598-1 and pertinent regulations



### Technical data

lm system:	1453	Colour temperature [K]:	2700
W system:	23.1	MacAdam Step:	2
lm source:	1750	Life Time LED 1:	> 50,000h - L80 - B10 (Ta 25°C)
W source:	20	Voltage [Vin]:	230
Luminous efficiency (lm/W, real value):	62.9	Lamp code:	LED
lm in emergency mode:	-	Number of lamps for optical assembly:	1
Total light flux at or above an angle of 90° [Lm]:	0	ZVEI Code:	LED
Light Output Ratio (L.O.R.) [%]:	83	Number of optical assemblies:	1
Beam angle [°]:	58°	Control:	DALI-2
CRI (minimum):	90		

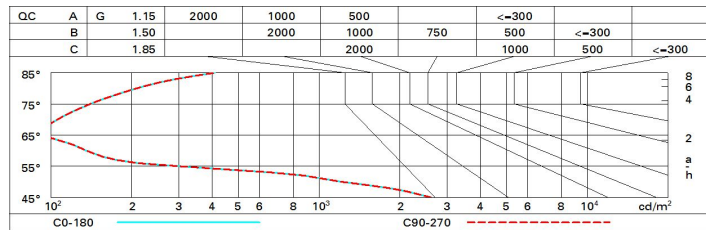
### Polar

<p>Imax=1851 cd</p> <p>90° 180° 90°</p> <p>2000</p> <p>0°</p> <p>α=58°</p>	<p><b>CIE</b> nL 0.83 100-100-100-100-83 UGR 16.2-16.2</p> <p><b>DIN</b> A.61</p> <p><b>UTE</b> 0.83A+0.00T F*1=996 F*1+F*2=1000 F*1+F*2+F*3=1000</p> <p><b>CIBSE</b> LG3 L&lt;1500 cd/m<sup>2</sup> at 65° UGR&lt;19   L&lt;1500 cd/mq @65°</p>	<b>Lux</b>			
		<b>h</b>	<b>d</b>	<b>Em</b>	<b>Emax</b>
		2	2.2	368	459
		4	4.4	92	115
		6	6.7	41	51
8	8.9	23	29		

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 1750 lm bare lamp luminous flux)											
Reflect.:		viewed crosswise					viewed endwise				
ceiling	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	10.8	17.2	17.1	17.5	17.7	10.8	17.2	17.1	17.5	17.7
	3H	10.7	17.1	17.0	17.3	17.6	10.7	17.1	17.0	17.3	17.6
	4H	10.6	17.0	16.9	17.3	17.6	10.6	17.0	16.9	17.3	17.6
	6H	10.5	16.9	16.9	17.2	17.5	10.5	16.9	16.9	17.2	17.5
	8H	10.5	16.8	16.8	17.1	17.5	10.5	16.8	16.8	17.1	17.5
12H	10.4	16.8	16.8	17.1	17.5	10.4	16.8	16.8	17.1	17.5	
4H	2H	10.6	17.0	16.9	17.3	17.6	10.6	17.0	16.9	17.3	17.6
	3H	10.4	16.8	16.8	17.1	17.5	10.4	16.8	16.8	17.1	17.5
	4H	10.3	16.6	16.7	17.0	17.4	10.3	16.6	16.7	17.0	17.4
	6H	10.3	16.5	16.7	16.9	17.3	10.3	16.5	16.7	16.9	17.3
	8H	10.2	16.4	16.6	16.9	17.3	10.2	16.4	16.6	16.9	17.3
12H	10.2	16.4	16.6	16.8	17.3	10.2	16.4	16.6	16.8	17.3	
8H	4H	10.2	16.4	16.6	16.9	17.3	10.2	16.4	16.6	16.9	17.3
	6H	10.1	16.3	16.6	16.8	17.2	10.1	16.3	16.6	16.8	17.2
	8H	10.1	16.2	16.5	16.7	17.2	10.1	16.2	16.5	16.7	17.2
	12H	10.0	16.1	16.5	16.6	17.2	10.0	16.1	16.5	16.6	17.2
12H	4H	10.2	16.4	16.6	16.8	17.3	10.2	16.4	16.6	16.8	17.3
	6H	10.1	16.2	16.5	16.7	17.2	10.1	16.2	16.5	16.7	17.2
	8H	10.0	16.1	16.5	16.6	17.2	10.0	16.1	16.5	16.6	17.2
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				