

## Laser Blade XS

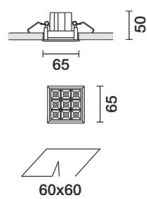
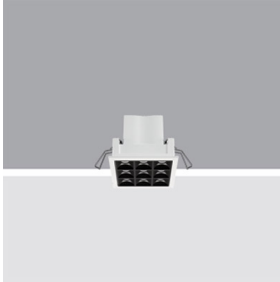
Design iGuzzini

iGuzzini

Last information update: October 2024

### Product configuration: QF10

QF10: Frame 9 cells - Wideflood beam - LED



### Product code

QF10: Frame 9 cells - Wideflood beam - LED

### Technical description

Square miniaturised recessed luminaire with 9 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 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 60 x 60.

### Colour

White (01) | Black / Black (43) | Black / White (47)

### Weight (Kg)

0.3

### Mounting

wall recessed|ceiling recessed

### Wiring

On the power supply unit with terminal board is not included.

Complies with EN60598-1 and pertinent regulations



### Technical data

Im system:	1453	Colour temperature [K]:	4000
W system:	15	MacAdam Step:	2
Im source:	1750	Life Time LED 1:	> 50,000h - L80 - B10 (Ta 25°C)
W source:	15	Voltage [Vin]:	230
Luminous efficiency (Im/W, real value):	96.8	Lamp code:	LED
Im 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°	LED current [mA]:	600
CRI (minimum):	90		

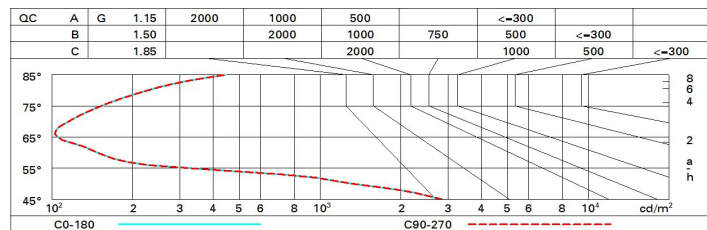
### Polar

<p><math>\alpha = 58^\circ</math></p>	<b>CIE</b> nL 0.83 100-100-100-100-83 UGR 16.5-16.5 <b>DIN</b> A.61 <b>UTE</b> 0.83A+0.00T F*1=996 F*1+F*2=1000 F*1+F*2+F*3=1000 <b>CIBSE</b> LG3 L<1500 cd/m <sup>2</sup> at 65° UGR<19   L<1500 cd/mq @65°				<b>Lux</b>			
					h	d	Em	Emax
					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.: ceiling/cav walls work pl. Room dim x y		viewed crosswise					viewed endwise				
		0.70	0.70	0.50	0.50	0.30	0.70	0.70	0.50	0.50	0.30
		0.50	0.30	0.50	0.30	0.30	0.50	0.30	0.50	0.30	0.30
		0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
2H	2H	17.1	17.7	17.3	17.9	18.1	17.1	17.7	17.3	17.9	18.1
	3H	16.9	17.5	17.2	17.7	18.0	16.9	17.5	17.2	17.7	18.0
	4H	16.9	17.4	17.2	17.6	17.9	16.9	17.4	17.2	17.6	17.9
	6H	16.8	17.2	17.1	17.5	17.9	16.8	17.2	17.1	17.5	17.9
	8H	16.7	17.2	17.1	17.5	17.8	16.7	17.2	17.1	17.5	17.8
	12H	16.7	17.1	17.1	17.5	17.8	16.7	17.1	17.1	17.5	17.8
4H	2H	16.9	17.4	17.2	17.6	17.9	16.9	17.4	17.2	17.6	17.9
	3H	16.7	17.1	17.1	17.5	17.8	16.7	17.1	17.1	17.5	17.8
	4H	16.6	17.0	17.0	17.4	17.7	16.6	17.0	17.0	17.4	17.7
	6H	16.5	16.9	17.0	17.2	17.7	16.5	16.9	17.0	17.2	17.7
	8H	16.5	16.8	16.9	17.2	17.6	16.5	16.8	16.9	17.2	17.6
	12H	16.4	16.7	16.9	17.1	17.6	16.4	16.7	16.9	17.1	17.6
8H	4H	16.5	16.8	16.9	17.2	17.6	16.5	16.8	16.9	17.2	17.6
	6H	16.4	16.6	16.9	17.1	17.6	16.4	16.6	16.9	17.1	17.6
	8H	16.3	16.5	16.8	17.0	17.5	16.3	16.5	16.8	17.0	17.5
	12H	16.3	16.5	16.8	16.9	17.5	16.3	16.5	16.8	16.9	17.5
12H	4H	16.4	16.7	16.9	17.1	17.6	16.4	16.7	16.9	17.1	17.6
	6H	16.3	16.5	16.8	17.0	17.5	16.3	16.5	16.8	17.0	17.5
	8H	16.3	16.5	16.8	16.9	17.5	16.3	16.5	16.8	16.9	17.5
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				