

Laser Blade XS

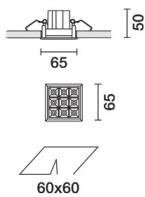
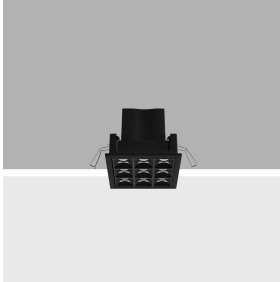
Design iGuzzini

iGuzzini

Last information update: April 2024

Product configuration: Q505

Q505: Frame 9 cells - Wideflood beam - LED



Product code

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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) | White/Gold (41)* | Grey / Black (74)* | White / burnished chrome (E7)*

Weight (Kg)

0.3

* 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:	1162	Life Time LED 1:	> 50,000h - L80 - B10 (Ta 25°C)
W system:	17.7	Voltage [Vin]:	230
lm source:	1400	Lamp code:	LED
W source:	15	Number of lamps for optical assembly:	1
Luminous efficiency (lm/W, real value):	65.6	ZVEI Code:	LED
lm in emergency mode:	-	Number of optical assemblies:	1
Total light flux at or above an angle of 90° [Lm]:	0	Power factor:	See installation instructions
Light Output Ratio (L.O.R.) [%]:	83	Inrush current:	5 A / 50 µs
Beam angle [°]:	58°	Maximum number of luminaires of this type per miniature circuit breaker:	B10A: 31 luminaires B16A: 50 luminaires C10A: 52 luminaires C16A: 85 luminaires
CRI (minimum):	90	Minimum dimming %:	1
Colour temperature [K]:	2700	Overvoltage protection:	2kV Common mode & 1kV Differential mode
MacAdam Step:	2	Control:	DALI-2

Polar

	Lux			
	h	d	Em	Emax
	1	1.1	1177	1469
	2	2.2	294	367
	3	3.3	131	163
	4	4.4	74	92

Imax=1481 cd

90° 180° 90°

1500

0°

α = 58°

CIE
nL 0.83
100-100-100-100-83
UGR 15.7-15.7

DIN
A.61

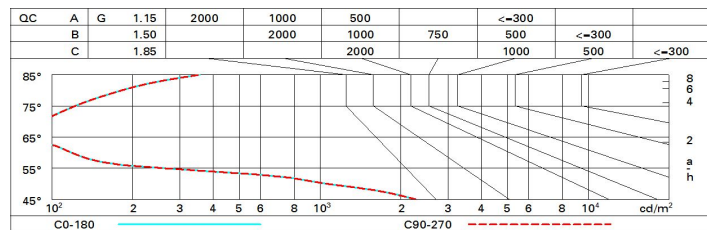
UTE
0.83A+0.00T
F*1=996
F*1+F*2=1000
F*1+F*2+F*3=1000

CIBSE
LG3 L<1500 cd/m² at 65°
UGR<16 | L<1500 cd/mq @65°

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 1400 lm bare lamp luminous flux)											
Reflect.: ceiling/cav walls work pl. Room dim x y		viewed crosswise					viewed endwise				
2H	2H	10.3	10.9	10.6	17.1	17.4	10.3	10.9	10.6	17.1	17.4
	3H	10.2	10.7	10.5	17.0	17.2	10.2	10.7	10.5	17.0	17.2
	4H	10.1	10.6	10.4	16.9	17.2	10.1	10.6	10.4	16.9	17.2
	6H	10.0	10.5	10.4	16.8	17.1	10.0	10.5	10.4	16.8	17.1
	8H	10.0	10.4	10.3	16.7	17.1	10.0	10.4	10.3	16.7	17.1
	12H	15.9	16.4	16.3	16.7	17.0	15.9	16.4	16.3	16.7	17.0
4H	2H	10.1	10.6	10.4	16.9	17.2	10.1	10.6	10.4	16.9	17.2
	3H	15.9	16.4	16.3	16.7	17.0	15.9	16.4	16.3	16.7	17.0
	4H	15.8	16.2	16.2	16.6	17.0	15.8	16.2	16.2	16.6	17.0
	6H	15.8	16.1	16.2	16.5	16.9	15.8	16.1	16.2	16.5	16.9
	8H	15.7	16.0	16.1	16.4	16.9	15.7	16.0	16.1	16.4	16.9
	12H	15.7	15.9	16.1	16.4	16.8	15.7	15.9	16.1	16.4	16.8
8H	4H	15.7	16.0	16.1	16.4	16.9	15.7	16.0	16.1	16.4	16.9
	6H	15.6	15.9	16.1	16.3	16.8	15.6	15.9	16.1	16.3	16.8
	8H	15.6	15.8	16.0	16.2	16.7	15.6	15.8	16.0	16.2	16.7
	12H	15.5	15.7	16.0	16.2	16.7	15.5	15.7	16.0	16.2	16.7
12H	4H	15.7	15.9	16.1	16.4	16.8	15.7	15.9	16.1	16.4	16.8
	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	16.2	16.7	15.5	15.7	16.0	16.2	16.7
Variations with the observer position at spacing:											
S =		1.0H					0.5 / -24.9				
		1.5H					9.4 / -25.6				
		2.0H					11.4 / -25.8				