

Laser Blade XS

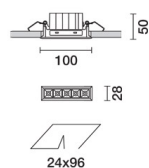
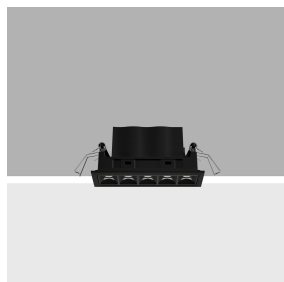
Design iGuzzini

iGuzzini

Last information update: April 2024

Product configuration: Q490

Q490: Frame 5 cells - Medium beam - LED



Product code

Q490: Frame 5 cells - Medium beam - LED **Attention! Code no longer in production**

Technical description

Linear miniaturised recessed luminaire with 5 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 a 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 96.

Colour

White (01) | White/Gold (41) | Black / Black (43) | Black / White (47) | Grey / Black (74) | White / burnished chrome (E7)

Weight (Kg)

0.35

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:	703	CRI (minimum):	90
W system:	12.7	Colour temperature [K]:	2700
lm source:	890	MacAdam Step:	2
W source:	9.9	Life Time LED 1:	> 50,000h - L80 - B10 (Ta 25°C)
Luminous efficiency (lm/W, real value):	55.4	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.) [%]:	79	ZVEI Code:	LED
Beam angle [°]:	25°	Number of optical assemblies:	1

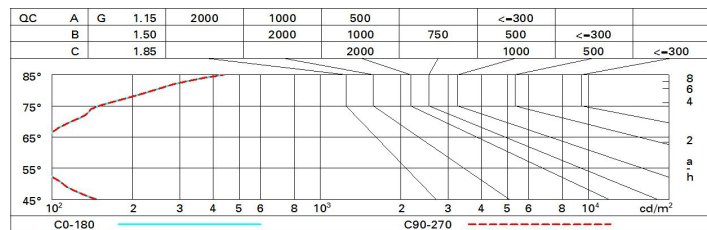
Polar

Imax=3248 cd		CIE		Lux			
90°		nL 0.79		h	d	Em	Emax
180°		100-100-100-100-79		2	0.9	674	812
90°		UGR <10-<10		4	1.7	169	203
3000		DIN		6	2.6	75	90
0°		A.61		8	3.4	42	51
α=24°		UTE					
		0.79A+0.00T					
		F*1=999					
		F*1+F*2=1000					
		F*1+F*2+F*3=1000					
		CIBSE					
		LG3 L<1500 cd/m² at 65°					
		UGR<10 L<1500 cd/mq @65°					

Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	71	68	65	63	67	65	64	62	78
1.0	75	71	69	67	70	68	68	66	83
1.5	78	76	74	72	75	73	72	70	89
2.0	81	79	77	76	78	76	76	73	93
2.5	82	81	80	79	80	79	78	76	96
3.0	83	82	81	81	81	80	79	77	98
4.0	84	83	83	82	82	82	80	79	99
5.0	84	84	84	83	83	82	81	79	100

Luminance curve limit



UGR diagram

Corrected UGR values (at 890 lm bare lamp luminous flux)										
Reflect.: ceiling/cav walls work pl. Room dim x y		0.70	0.70	0.50	0.50	0.30	0.70	0.70	0.50	0.50
		0.50	0.30	0.50	0.30	0.30	0.50	0.30	0.50	0.30
		0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
		viewed crosswise					viewed endwise			
2H	2H	3.0	5.1	3.3	5.4	5.7	3.0	5.1	3.3	5.4
	3H	2.8	4.4	3.2	4.7	5.1	2.8	4.4	3.2	4.7
	4H	2.8	4.1	3.1	4.4	4.8	2.7	4.1	3.1	4.4
	6H	2.7	3.7	3.1	4.1	4.4	2.7	3.7	3.1	4.1
	8H	2.7	3.7	3.1	4.1	4.4	2.7	3.7	3.1	4.0
	12H	2.6	3.7	3.0	4.0	4.4	2.6	3.6	3.0	4.0
4H	2H	2.7	4.1	3.1	4.4	4.8	2.8	4.1	3.1	4.4
	3H	2.6	3.6	3.0	4.0	4.4	2.6	3.6	3.0	4.0
	4H	2.5	3.5	2.9	3.9	4.3	2.5	3.5	2.9	3.9
	6H	2.2	3.8	2.6	4.3	4.8	2.1	3.8	2.6	4.3
	8H	2.0	3.9	2.5	4.4	4.9	2.0	3.9	2.5	4.4
	12H	1.9	3.9	2.5	4.4	4.9	1.9	3.9	2.4	4.3
8H	4H	2.0	3.9	2.5	4.4	4.9	2.0	3.9	2.5	4.4
	6H	1.9	3.7	2.4	4.2	4.7	1.9	3.7	2.4	4.2
	8H	1.9	3.5	2.4	4.0	4.5	1.9	3.5	2.4	4.0
	12H	2.1	3.1	2.6	3.6	4.2	2.1	3.1	2.6	3.6
12H	4H	1.9	3.9	2.4	4.3	4.9	1.9	3.9	2.5	4.4
	6H	1.9	3.5	2.4	4.0	4.5	1.9	3.5	2.5	4.0
	8H	2.1	3.1	2.6	3.6	4.1	2.1	3.1	2.6	3.6
Variations with the observer position at spacing:										
S =		1.0H	6.9 / -11.5				6.9 / -11.5			
		1.5H	9.7 / -11.7				9.7 / -11.7			
		2.0H	11.7 / -11.8				11.7 / -11.8			