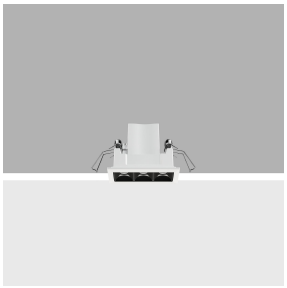
Laser Blade XS

Design iGuzzini **iGuzzini**

Last information update: June 2025

Product configuration: Q470
Q470: Frame 3 cells - Flood beam - LED



Product code
Q470: Frame 3 cells - Flood beam - LED

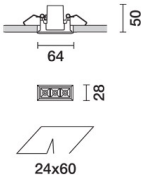
Technical description
Linear miniaturised recessed luminaire with 3 optical elements for LED lamps - fixed optics. Despite the ultracompact size of the product, the patented technology of the optic system guarantees an efficient flow and a high level of controlled glare visual comfort. Main body with die-cast zamak 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. Ballast not included, available with separate code.

Installation
Recessed with steel wire springs for false ceilings from 1 to 25 mm thick - preparation hole 24 x 60.

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

Weight (Kg)
0.15

* Colours on request



Mounting
wall recessed|ceiling recessed

Wiring
Direct current ballasts to be ordered separately: ON-OFF - code no. MXF9 (min 1 / max 2); dimmable DALI - code no. BZM4 (min 1 / max 6) - check the instruction sheet for the lengths and compatible cross-sections of the cables to be used.

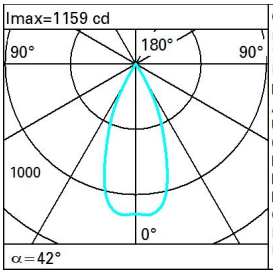
Complies with EN60598-1 and pertinent regulations

IP20 IP23

Technical data

lm system:	564	CRI (minimum):	90
W system:	6	Colour temperature [K]:	4000
lm source:	680	MacAdam Step:	2
W source:	6	Life Time LED 1:	> 50,000h - L80 - B10 (Ta 25°C)
Luminous efficiency (lm/W, real value):	94.1	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 [°]:	43°	LED current [mA]:	700

Polar



CIE
nL 0.83
100-100-100-100-83
UGR <10-<10
DIN
A.61
UTE
0.83A+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°

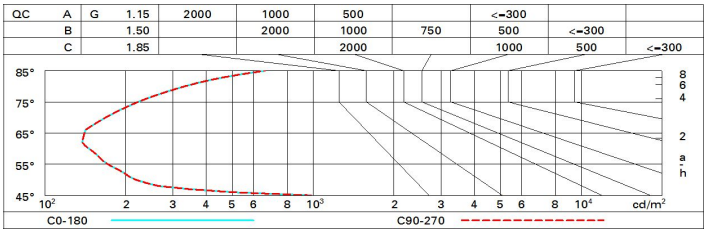
Lux

h	d	Em	Emax
1	0.8	944	1151
2	1.5	236	288
3	2.3	105	128
4	3.1	59	72

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	80	77	76	79	77	76	74	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	87	85	83	100

Luminance curve limit



UGR diagram

Corrected UGR values (at 680 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	8.0	8.4	8.2	8.7	8.9	8.0	8.4	8.2	8.7	8.9
	3H	7.8	8.3	8.2	8.5	8.8	7.8	8.3	8.1	8.5	8.8
	4H	7.8	8.2	8.1	8.5	8.8	7.8	8.2	8.1	8.5	8.8
	6H	7.7	8.1	8.0	8.4	8.7	7.7	8.1	8.0	8.4	8.7
	8H	7.7	8.0	8.0	8.4	8.7	7.7	8.0	8.0	8.3	8.7
	12H	7.6	8.0	8.0	8.3	8.7	7.6	8.0	8.0	8.3	8.6
4H	2H	7.8	8.2	8.1	8.5	8.8	7.8	8.2	8.1	8.5	8.8
	3H	7.6	8.0	8.0	8.3	8.7	7.6	8.0	8.0	8.3	8.7
	4H	7.5	7.8	7.9	8.2	8.6	7.5	7.8	7.9	8.2	8.6
	6H	7.5	7.7	7.9	8.1	8.5	7.4	7.7	7.9	8.1	8.5
	8H	7.4	7.7	7.8	8.1	8.5	7.4	7.6	7.8	8.1	8.5
	12H	7.4	7.6	7.8	8.0	8.5	7.3	7.6	7.8	8.0	8.5
8H	4H	7.4	7.6	7.8	8.1	8.5	7.4	7.7	7.8	8.1	8.5
	6H	7.3	7.5	7.8	8.0	8.4	7.3	7.5	7.8	8.0	8.4
	8H	7.3	7.4	7.7	7.9	8.4	7.3	7.4	7.7	7.9	8.4
	12H	7.2	7.4	7.7	7.9	8.4	7.2	7.4	7.7	7.9	8.4
12H	4H	7.3	7.6	7.8	8.0	8.5	7.4	7.6	7.8	8.0	8.5
	6H	7.3	7.4	7.7	7.9	8.4	7.3	7.4	7.8	7.9	8.4
	8H	7.2	7.4	7.7	7.9	8.4	7.2	7.4	7.7	7.9	8.4

Variations with the observer position at spacing:

S =			
	1.0H	7.0 / -14.5	7.0 / -14.5
	1.5H	9.8 / -14.7	9.8 / -14.7
	2.0H	11.8 / -14.8	11.8 / -14.8