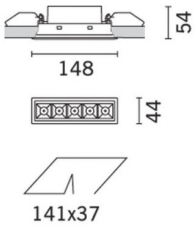
Laser Blade

Design iGuzzini **iGuzzini**

Last information update: May 2025

Product configuration: Q482
Q482: Frame recessed luminaire - 5 cells - General Lighting Pro



Product code
Q482: Frame recessed luminaire - 5 cells - General Lighting Pro

Technical description
Rectangular recessed luminaire with 5 optical elements for LED lamps - fixed optics with metallised thermoplastic high definition Opti-Beam reflectors, integrated in a set-back position in the anti-glare screen. Main body with die-cast aluminium radiant surface, version with perimeter surface frame. The total white finish and the patented technology of the optic system guarantee an even and efficient luminous flux optimised by a special diffuser screen that reduces direct glare significantly.

Installation
Recessed with steel wire springs for false ceilings from 1 to 25 mm thick - preparation hole 37 x 141.

Colour
White (01)

Mounting
ceiling surface

Wiring
Power supply to be ordered separately

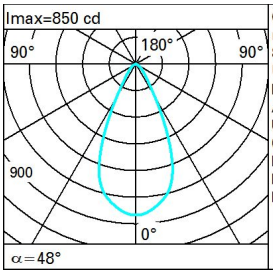
Complies with EN60598-1 and pertinent regulations

IP20

Technical data

lm system:	619	CRI (typical):	97
W system:	10	Colour temperature [K]:	2700
lm source:	860	MacAdam Step:	3
W source:	10	Life Time LED 1:	> 50,000h - L90 - B10 (Ta 25°C)
Luminous efficiency (lm/W, real value):	61.9	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.) [%]:	72	Number of optical assemblies:	1
CRI (minimum):	95	LED current [mA]:	700

Polar



CIE
nL 0.72
88-98-100-100-72
UGR 17.7-17.6
DIN
A.61
UTE
0.72A+0.00T
F"1=884
F"1+F"2=980
F"1+F"2+F"3=996

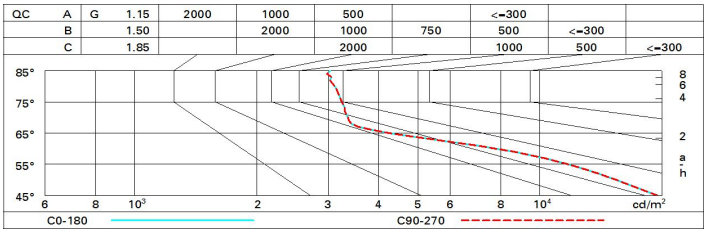
Lux

h	d	Em	Emax
1	0.9	673	850
2	1.8	168	213
3	2.7	75	94
4	3.6	42	53

Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	61	57	54	52	56	53	53	50	70
1.0	65	61	58	56	60	57	57	54	75
1.5	69	66	64	62	65	63	62	60	83
2.0	72	69	68	66	68	67	66	64	88
2.5	73	72	70	69	70	69	68	66	92
3.0	74	73	72	71	72	71	70	68	94
4.0	75	74	74	73	73	72	71	69	96
5.0	76	75	74	74	74	73	72	70	97

Luminance curve limit



UGR diagram

Corrected UGR values (at 860 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	17.5	18.2	17.8	18.4	18.6	17.5	18.2	17.8	18.4	18.6
	3H	17.5	18.1	17.8	18.4	18.7	17.5	18.1	17.9	18.4	18.7
	4H	17.5	18.1	17.9	18.4	18.7	17.5	18.1	17.8	18.4	18.7
	6H	17.6	18.1	17.9	18.4	18.7	17.4	18.0	17.8	18.3	18.6
	8H	17.6	18.1	17.9	18.4	18.7	17.4	17.9	17.8	18.2	18.6
	12H	17.6	18.0	17.9	18.4	18.7	17.4	17.8	17.7	18.2	18.5
4H	2H	17.5	18.1	17.8	18.4	18.7	17.5	18.1	17.9	18.4	18.7
	3H	17.6	18.1	18.0	18.4	18.8	17.6	18.1	18.0	18.5	18.8
	4H	17.6	18.1	18.0	18.4	18.8	17.6	18.1	18.0	18.4	18.8
	6H	17.7	18.1	18.1	18.5	18.9	17.6	18.0	18.0	18.4	18.8
	8H	17.7	18.1	18.2	18.5	18.9	17.6	17.9	18.0	18.3	18.8
	12H	17.7	18.0	18.2	18.5	18.9	17.6	17.9	18.0	18.3	18.8
8H	4H	17.6	17.9	18.0	18.3	18.8	17.7	18.1	18.2	18.5	18.9
	6H	17.7	18.0	18.2	18.4	18.9	17.7	18.0	18.2	18.5	19.0
	8H	17.7	18.0	18.2	18.5	19.0	17.7	18.0	18.2	18.5	19.0
	12H	17.8	18.0	18.3	18.5	19.0	17.7	18.0	18.2	18.4	19.0
12H	4H	17.6	17.9	18.0	18.3	18.8	17.7	18.0	18.2	18.5	18.9
	6H	17.7	17.9	18.2	18.4	18.9	17.8	18.0	18.3	18.5	19.0
	8H	17.7	18.0	18.2	18.4	19.0	17.8	18.0	18.3	18.5	19.0

Variations with the observer position at spacing:

S =			
	1.0H	1.5 / -1.5	1.5 / -1.5
	1.5H	3.1 / -3.4	3.1 / -3.4
	2.0H	4.9 / -4.6	4.9 / -4.6