Laser Blade L

Design iGuzzini **iGuzzini**

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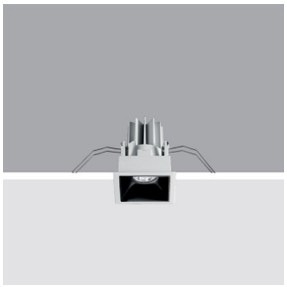
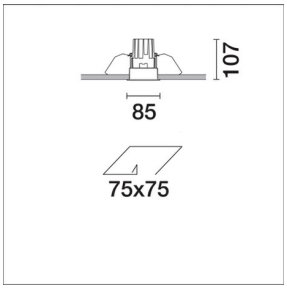




Fixed, Recessed luminaire - Warm LED - Electronic control gear included - Medium optic Beam

Product code
P948

Technical description
Fixed optic, recessed luminaire for a warm white LED lamp with a high color rendering index. Passive heat dissipation system. Lamp body with die-cast aluminium radiant surface, version with perimeter surface frame. Metallised, thermoplastic, high definition optic, integrated in a rear position in the anti-glare screen. Glass cover for LED lamp. The structure of the optical system produces light emission with controlled luminance (UGR < 19). Equipped with an electronic ballast connected to the luminaire.

Installation
recessed with steel wire springs for false ceilings from 1 to 25 mm thick - preparation hole 75 x 75. Installation permitted in either a horizontal or vertical position.

Dimension (mm)
85x85x107

Colour
White (01) | Black/Black (43) | Black/White (47) | Grey/Black (74)

Weight (Kg)
0.5

Mounting
wall recessed|ceiling recessed

Wiring
on the control gear box with quick-coupling connections.

Notes
The product with its white finish (01) includes an optic ring for limiting luminance; a feature that renders a performance of UGR < 19 and determines slight variations in the opening of the optic (32°) and yield (0.73).

Complies with EN60598-1 and pertinent regulations

IP20 IP44 On the visible part of the product once installed

Product configuration: P948.01

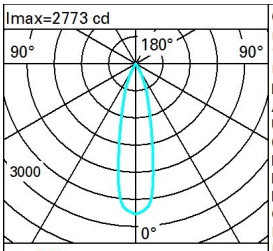
Product characteristics

Total lighting output [Lm]: 693	Total luminous flux at or above an angle of 90° [Lm]: 0
Total power [W]: 11	Emergency luminous flux [Lm]: /
Luminous efficacy [Lm/W]: 63	Voltage [V]: 230
Life Time: 50'000h - L80 - B10 (Ta 25°C)	Number of optical assemblies: 1

Optical assembly Characteristics Type 1

Light Output Ratio (L.O.R.) [%]: 66	Number of lamps for optical assembly: 1
Lamp code: LED	Socket: /
ZVEI Code: LED	Ballast losses [W]: 2.5
Nominal power [W]: 8.5	Colour temperature [K]: 3000
Nominal luminous [Lm]: 1050	CRI: 90
Lamp maximum intensity [cd]: /	Wavelength [Nm]: /
Beam angle [°]: 24°	MacAdam Step: 3

Polar



CIE
nL 0.66
100-100-100-100-66
UGR <10-<10
DIN
A.61
UTE
0.66A+0.00T
F"1=998
F"1+F"2=999
F"1+F"2+F"3=1000
CIBSE
LG3 L<1500 cd/m² at 65°
UGR<10 I L<1500 cd/mq @65°

Lux

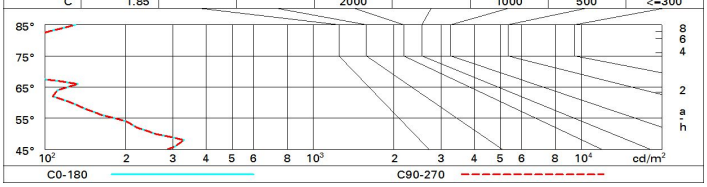
h	d	Em	Emax
2	0.9	572	693
4	1.7	143	173
6	2.6	64	77
8	3.4	36	43

Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	60	57	54	53	56	54	54	52	78
1.0	62	59	57	56	59	57	57	55	83
1.5	65	63	62	60	62	61	60	58	89
2.0	67	66	65	64	65	64	63	61	93
2.5	68	67	66	66	66	66	65	63	96
3.0	69	69	68	67	67	67	66	64	98
4.0	70	70	69	69	68	68	67	66	99
5.0	71	70	70	70	69	69	68	66	100

Luminance curve limit

QC		G								
	A		1.15	2000	1000	500		<=300		
	B		1.50		2000	1000	750	500	<=300	
	C		1.85			2000		1000	500	<=300



UGR diagram

Corrected UGR values (at 1050 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	3.3	5.4	3.6	5.7	6.0	3.3	5.4	3.6	5.7	6.0
	3H	3.1	4.8	3.5	5.1	5.4	3.1	4.7	3.5	5.1	5.4
	4H	3.0	4.4	3.4	4.8	5.1	3.0	4.4	3.4	4.8	5.1
	6H	3.0	4.1	3.4	4.5	4.8	3.0	4.1	3.4	4.4	4.8
	8H	3.0	4.1	3.3	4.4	4.8	2.9	4.0	3.3	4.4	4.8
	12H	2.9	4.0	3.3	4.4	4.7	2.9	4.0	3.3	4.3	4.7
4H	2H	3.0	4.4	3.4	4.8	5.1	3.0	4.4	3.4	4.8	5.1
	3H	2.9	4.0	3.3	4.3	4.7	2.9	4.0	3.3	4.4	4.7
	4H	2.8	3.8	3.2	4.2	4.6	2.8	3.8	3.2	4.2	4.6
	6H	2.5	4.1	2.9	4.6	5.0	2.4	4.1	2.9	4.6	5.0
	8H	2.3	4.2	2.8	4.7	5.2	2.3	4.2	2.8	4.6	5.1
	12H	2.2	4.2	2.7	4.7	5.2	2.2	4.2	2.7	4.6	5.2
8H	4H	2.3	4.2	2.8	4.6	5.1	2.3	4.2	2.8	4.7	5.2
	6H	2.2	4.0	2.7	4.5	5.0	2.2	4.0	2.7	4.5	5.0
	8H	2.2	3.8	2.7	4.3	4.8	2.2	3.8	2.7	4.3	4.8
	12H	2.4	3.3	2.9	3.8	4.4	2.4	3.3	2.9	3.8	4.4
12H	4H	2.2	4.2	2.7	4.6	5.2	2.2	4.2	2.7	4.7	5.2
	6H	2.2	3.8	2.7	4.3	4.8	2.2	3.8	2.7	4.3	4.8
	8H	2.4	3.3	2.9	3.8	4.4	2.4	3.3	2.9	3.8	4.4

Variations with the observer position at spacing:

S =			
	1.0H	6.7 / -13.0	6.7 / -13.0
	1.5H	9.5 / -14.0	9.5 / -14.0
	2.0H	11.5 / -14.4	11.5 / -14.4