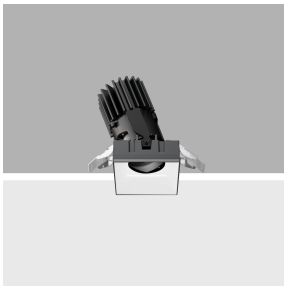
Laser Blade L

Design iGuzzini **iGuzzini**

Last information update: July 2025

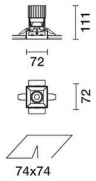
Product configuration: P747.01
P747.01: Minimal Adjustable Recessed Luminaire - Warm White LED - Flood beam - ON-OFF - White



Product code
P747.01: Minimal Adjustable Recessed Luminaire - Warm White LED - Flood beam - ON-OFF - White **Attention! Code no longer in production**

Technical description
Recessed luminaire with adjustable optic for warm white LED 2700K with high colour rendering index. Passive cooling system. Adjustable body can be rotated within the recess to ensure precise but comfortable lighting and considerably reduced direct glare. 355° internal rotation and max 30° oscillation with continuous friction. Adapter for false ceilings with bracket system adapting to panel thickness, for installation flush with the ceiling. Fixed recess structure in die-cast aluminium The recessed luminaire includes a radiant aluminium element, a steel junction for the optical assembly and a thermoplastic rotation ring. Metallised thermoplastic material reflector with high definition optic - flood beam opening. External thermoplastic anti-glare screen. Transparent protection glass for LED light source. Supplied with electronic power supply unit connected to the luminaire.

Installation
Recessed with steel torsional springs on a specific adapter (included), ensuring flush ceiling installation. Fixed to false ceiling with adapter screws (thickness from 12.5 mm to 25 mm); the wall is then filled and skim-coated; insertion of recess and finishing touches. Recess opening 74 x 74 mm.



Colour	Weight (Kg)
White (01)	0.58

Mounting
wall recessed|ceiling recessed

Wiring
Quick-fit power supply connection to terminal block.

Notes
Vast range of technical and decorative accessories available; option to install 2 accessories at the same time.

Complies with EN60598-1 and pertinent regulations

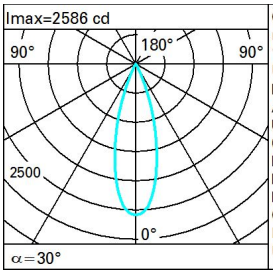
IP20 IP23 On the visible part of the product once installed

Technical data

lm system:	724
W system:	11.4
lm source:	1100
W source:	8.9
Luminous efficiency (lm/W, real value):	63.5
lm in emergency mode:	-
Total light flux at or above an angle of 90° [Lm]:	0
Light Output Ratio (L.O.R.) [%]:	66
Beam angle [°]:	30°

CRI (minimum):	90
Colour temperature [K]:	2700
MacAdam Step:	2
Life Time LED 1:	> 50,000h - L80 - B10 (Ta 25°C)
Voltage [Vin]:	230
Lamp code:	LED
Number of lamps for optical assembly:	1
ZVEI Code:	LED
Number of optical assemblies:	1

Polar



CIE
nL 0.66
100-100-100-100-66
UGR <10-<10
DIN
A.61
UTE
0.66A+0.00T
F"1=997
F"1+F"2=999
F"1+F"2+F"3=1000
CIBSE
LG3 L<1500 cd/m² at 65°
UGR<10 | L<1500 cd/mq @65°

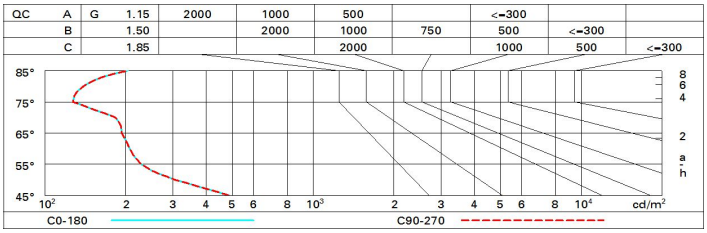
Lux

h	d	Em	Emax
2	1.1	512	646
4	2.1	128	162
6	3.2	57	72
8	4.3	32	40

Utilisation factors

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

Luminance curve limit



UGR diagram

Corrected UGR values (at 1100 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	-0.4	0.1	-0.1	0.4	0.6	-0.4	0.1	-0.1	0.4	0.6
	3H	-0.4	0.0	-0.1	0.3	0.6	-0.5	-0.0	-0.2	0.2	0.5
	4H	-0.5	-0.0	-0.1	0.2	0.5	-0.5	-0.1	-0.2	0.2	0.5
	6H	-0.5	-0.1	-0.2	0.2	0.5	-0.6	-0.2	-0.3	0.1	0.4
	8H	-0.5	-0.2	-0.2	0.2	0.5	-0.6	-0.3	-0.3	0.1	0.4
	12H	-0.6	-0.2	-0.2	0.1	0.5	-0.7	-0.3	-0.3	0.0	0.4
4H	2H	-0.5	-0.1	-0.2	0.2	0.5	-0.5	-0.0	-0.1	0.2	0.5
	3H	-0.6	-0.2	-0.2	0.1	0.5	-0.6	-0.2	-0.2	0.1	0.5
	4H	-0.6	-0.3	-0.2	0.1	0.4	-0.6	-0.3	-0.2	0.1	0.4
	6H	-0.7	-0.4	-0.2	0.0	0.4	-0.7	-0.4	-0.3	-0.0	0.4
	8H	-0.7	-0.4	-0.2	-0.0	0.4	-0.7	-0.5	-0.3	-0.1	0.4
	12H	-0.7	-0.5	-0.2	-0.0	0.4	-0.8	-0.5	-0.3	-0.1	0.3
8H	4H	-0.7	-0.5	-0.3	-0.1	0.4	-0.7	-0.4	-0.2	-0.0	0.4
	6H	-0.8	-0.5	-0.3	-0.1	0.4	-0.7	-0.5	-0.3	-0.1	0.4
	8H	-0.8	-0.6	-0.3	-0.1	0.4	-0.8	-0.6	-0.3	-0.1	0.4
	12H	-0.8	-0.6	-0.3	-0.1	0.4	-0.8	-0.6	-0.3	-0.2	0.4
12H	4H	-0.8	-0.5	-0.3	-0.1	0.3	-0.7	-0.5	-0.2	-0.0	0.4
	6H	-0.8	-0.6	-0.3	-0.2	0.3	-0.7	-0.6	-0.3	-0.1	0.4
	8H	-0.8	-0.6	-0.3	-0.2	0.4	-0.8	-0.6	-0.3	-0.1	0.4

Variations with the observer position at spacing:

S =			
	1.0H	6.0 / -6.4	6.0 / -6.4
	1.5H	8.8 / -6.9	8.8 / -6.9
	2.0H	10.7 / -7.0	10.7 / -7.0