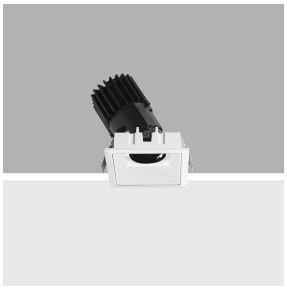
Laser Blade L

Design iGuzzini **iGuzzini**

Last information update: July 2025

Product configuration: P733.01
P733.01: Frame Adjustable Recessed Luminaire - Warm White LED - Medium beam - DALI - White

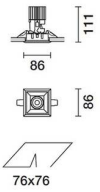


Product code
P733.01: Frame Adjustable Recessed Luminaire - Warm White LED - Medium beam - DALI - White

Technical description
Recessed luminaire with adjustable optic for warm white LED 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. Fixed recess structure in die-cast aluminium with perimeter stop frame. 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 - medium opening. External thermoplastic anti-glare screen. Transparent protection glass for LED light source. Supplied with DALI dimmable power supply unit connected to the luminaire.

Installation
Recessed with torsional steel springs - 1 mm minimum thickness of false ceiling - recess opening 76 x 76 mm.

Colour	**Weight (Kg)**
White (01)	0.53



Mounting
wall recessed|ceiling recessed

Wiring
Quick-fit power supply connection to terminal block - Digital electronic wiring enables dimming with DALI or TOUCH DIM systems.

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

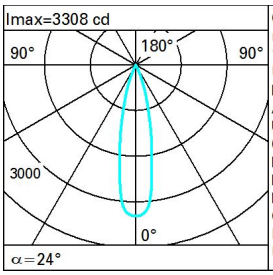
Complies with EN60598-1 and pertinent regulations

IP20 IP23 On the visible part of the product once installed

Technical data

lm system:	660	Colour temperature [K]:	3000
W system:	10.5	MacAdam Step:	2
lm source:	1100	Life Time LED 1:	> 50,000h - L90 - B10 (Ta 25°C)
W source:	8.2	Voltage [Vin]:	230
Luminous efficiency (lm/W, real value):	62.9	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.) [%]:	60	Number of optical assemblies:	1
Beam angle [°]:	24°	Control:	DALI-2
CRI (minimum):	90		

Polar



CIE
nL 0.60
100-100-100-100-60
UGR <10-<10
DIN
A.61
UTE
0.60A+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°

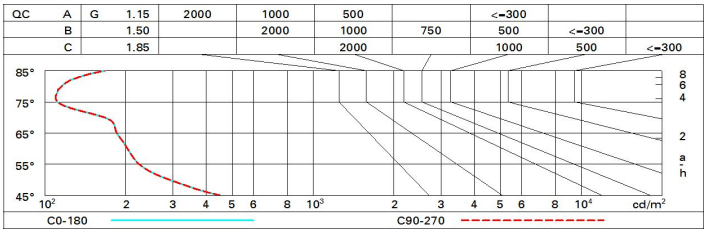
Lux

h	d	Em	Emax
2	0.9	664	827
4	1.7	166	207
6	2.6	74	92
8	3.4	42	52

Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	54	51	49	48	51	49	49	47	78
1.0	57	54	52	51	53	52	52	50	83
1.5	59	57	56	55	57	55	55	53	89
2.0	61	60	59	58	59	58	57	56	93
2.5	62	61	60	60	60	60	59	57	96
3.0	63	62	62	61	61	61	60	59	98
4.0	64	63	63	62	62	62	61	60	99
5.0	64	64	63	63	63	63	62	60	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	-7.6	-5.4	-7.2	-5.1	-4.7	-7.6	-5.4	-7.2	-5.1	-4.7
	3H	-7.2	-5.5	-6.8	-5.2	-4.9	-7.5	-5.9	-7.1	-5.5	-5.2
	4H	-7.1	-5.8	-6.7	-5.4	-5.1	-7.5	-6.1	-7.1	-5.8	-5.5
	6H	-7.0	-6.0	-6.6	-5.7	-5.3	-7.5	-6.5	-7.1	-6.2	-5.8
	8H	-7.0	-6.0	-6.6	-5.6	-5.3	-7.5	-6.5	-7.1	-6.2	-5.8
	12H	-6.9	-6.0	-6.5	-5.6	-5.2	-7.6	-6.6	-7.1	-6.2	-5.8
4H	2H	-7.5	-6.1	-7.1	-5.8	-5.5	-7.1	-5.8	-6.7	-5.4	-5.1
	3H	-6.9	-6.0	-6.5	-5.6	-5.2	-6.9	-5.9	-6.5	-5.6	-5.2
	4H	-6.9	-5.9	-6.4	-5.5	-5.1	-6.9	-5.9	-6.4	-5.5	-5.1
	6H	-7.0	-5.3	-6.6	-4.9	-4.4	-7.1	-5.4	-6.7	-5.0	-4.5
	8H	-7.1	-5.1	-6.6	-4.6	-4.1	-7.3	-5.3	-6.8	-4.9	-4.3
	12H	-7.0	-5.0	-6.5	-4.5	-4.0	-7.3	-5.3	-6.8	-4.9	-4.3
8H	4H	-7.3	-5.3	-6.8	-4.9	-4.3	-7.1	-5.1	-6.6	-4.6	-4.1
	6H	-7.1	-5.3	-6.6	-4.8	-4.2	-7.0	-5.2	-6.5	-4.7	-4.1
	8H	-6.9	-5.3	-6.4	-4.8	-4.3	-6.9	-5.3	-6.4	-4.8	-4.3
	12H	-6.5	-5.5	-6.0	-5.0	-4.4	-6.7	-5.6	-6.2	-5.1	-4.6
12H	4H	-7.3	-5.3	-6.8	-4.9	-4.3	-7.0	-5.0	-6.5	-4.5	-4.0
	6H	-7.0	-5.4	-6.5	-4.9	-4.4	-6.8	-5.2	-6.3	-4.7	-4.2
	8H	-6.7	-5.6	-6.2	-5.1	-4.6	-6.5	-5.5	-6.0	-5.0	-4.4

Variations with the observer position at spacing:

S =			
1.0H	2.6 / -1.7	2.6 / -1.7
1.5H	4.7 / -2.1	4.7 / -2.1
2.0H	6.4 / -2.4	6.4 / -2.4