Laser Blade XL

Design iGuzzini **iGuzzini**

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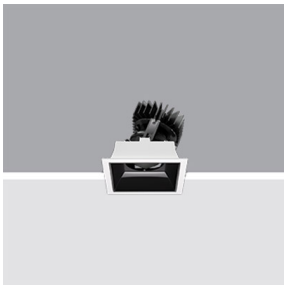
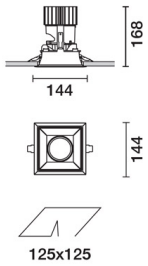




Frame adjustable recessed luminaire - Warm LED - DALI dimmable control gear - Wide Flood

Product code
P762

Technical description
Adjustable optic, recessed luminaire for a Warm White LED lamp with a high color rendering index. Passive heat dissipation system. The adjustable body can turn in a set-back position in relation to the flush-mounted recessed housing to ensure precise lighting that is extremely comfortable and reduces direct glare significantly. Internal rotation of 358° and a tilting movement of 35° with mechanical locking systems for both movements. Fixed recessed luminaire in die-cast aluminium with a perimeter surface frame. The adjustable unit includes a radiant element in aluminium, with a steel coupling for the optic unit and a thermoplastic rotation locknut. Metallised thermoplastic reflector with a high definition optic. Thermoplastic anti-glare external screen. Transparent glass cover for LED lamp. Supplied with a dimmable DALI ballast unit connected to the luminaire.

Installation
Recessed with steel torsion springs for false ceilings from 1 to 25 mm thick - preparation hole 125 x 125. Installation possible in a horizontal position.

Dimension (mm)
144x144x160

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

Weight (Kg)
1.2

Mounting
ceiling recessed

Wiring
Quick-coupling connections on the ballast unit terminal block - Digital electronic cabling that allows dimming to be performed with DALI protocol or pushbutton systems (TOUCH DIM)

Notes
Technical and decorative accessories available; with the option of installing two accessories simultaneously. The product has a white finish (01) that maintains its UGR < 19 performance unaltered even when luminance values vary slightly.

Complies with EN60598-1 and pertinent regulations

IP20 IP23 On the visible part of the product once installed

pending

Product configuration: P762.01

Product characteristics

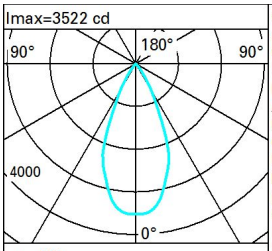
Total lighting output [Lm]: 1948	Total luminous flux at or above an angle of 90° [Lm]: 0
Total power [W]: 32.1	Emergency luminous flux [Lm]: /
Luminous efficacy [Lm/W]: 60.7	Voltage [V]: -
Life Time: > 50,000h - L80 - B10 (Ta 25°C)	Number of optical assemblies: 1

Optical assembly Characteristics Type 1

Light Output Ratio (L.O.R.) [%]: 65	Number of lamps for optical assembly: 1
Lamp code: LED	Socket: /
ZVEI Code: LED	Ballast losses [W]: 3.1
Nominal power [W]: 29	Colour temperature [K]: 3000
Nominal luminous [Lm]: 3000	CRI: 90
Lamp maximum intensity [cd]: /	Wavelength [Nm]: /
Beam angle [°]: 46°	MacAdam Step: 3

Polar

Imax=3522 cd



α = 46°

CIE
nL 0.65
99-100-100-100-65
UGR 11.6-11.6
DIN
A.61
UTE
0.65A+0.00T
F"1=990
F"1+F"2=999
F"1+F"2+F"3=1000
CIBSE
LG3 L<1500 cd/m² at 65°
UGR<16 I L<1500 cd/mq @65°

Lux

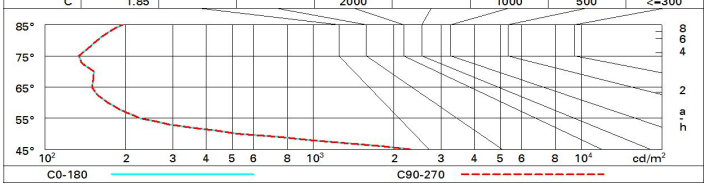
h	d	Em	Emax
2	1.7	683	880
4	3.4	171	220
6	5.1	76	98
8	6.8	43	55

Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	58	55	53	52	55	53	53	50	78
1.0	61	58	56	55	58	56	56	53	82
1.5	64	62	60	59	61	60	59	57	88
2.0	66	65	63	62	64	63	62	60	93
2.5	67	66	65	65	65	64	64	62	95
3.0	68	67	67	66	66	66	65	63	98
4.0	69	68	68	67	67	67	66	64	99
5.0	69	69	69	68	68	68	67	65	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



C0-180 C90-270

UGR diagram

Corrected UGR values (at 3000 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					viewed		
x	y			crosswise					endwise		
2H	2H	12.2	12.8	12.5	13.1	13.3	12.2	12.8	12.5	13.1	13.3
	3H	12.1	12.6	12.4	12.9	13.2	12.1	12.6	12.4	12.9	13.2
	4H	12.0	12.5	12.3	12.8	13.1	12.0	12.5	12.3	12.8	13.1
	6H	11.9	12.4	12.3	12.7	13.0	11.9	12.4	12.3	12.7	13.0
	8H	11.9	12.3	12.3	12.7	13.0	11.9	12.3	12.2	12.7	13.0
	12H	11.9	12.3	12.2	12.6	13.0	11.8	12.3	12.2	12.6	13.0
4H	2H	12.0	12.5	12.3	12.8	13.1	12.0	12.5	12.3	12.8	13.1
	3H	11.8	12.3	12.2	12.6	13.0	11.8	12.3	12.2	12.6	13.0
	4H	11.8	12.1	12.2	12.5	12.9	11.8	12.1	12.2	12.5	12.9
	6H	11.7	12.0	12.1	12.4	12.8	11.7	12.0	12.1	12.4	12.8
	8H	11.6	11.9	12.1	12.4	12.8	11.6	11.9	12.1	12.4	12.8
	12H	11.6	11.9	12.0	12.3	12.7	11.6	11.9	12.0	12.3	12.7
8H	4H	11.6	11.9	12.1	12.4	12.8	11.6	11.9	12.1	12.4	12.8
	6H	11.5	11.8	12.0	12.2	12.7	11.5	11.8	12.0	12.2	12.7
	8H	11.5	11.7	12.0	12.2	12.7	11.5	11.7	12.0	12.2	12.7
	12H	11.4	11.6	11.9	12.1	12.6	11.4	11.6	11.9	12.1	12.6
12H	4H	11.6	11.9	12.0	12.3	12.7	11.6	11.9	12.0	12.3	12.7
	6H	11.5	11.7	12.0	12.2	12.7	11.5	11.7	12.0	12.2	12.7
	8H	11.4	11.6	11.9	12.1	12.6	11.4	11.6	11.9	12.1	12.6

Variations with the observer position at spacing:

S =			
	1.0H	5.9 / -18.3	5.9 / -18.3
	1.5H	8.7 / -18.9	8.7 / -18.9
	2.0H	10.7 / -19.1	10.7 / -19.1