Laser Blade InOut

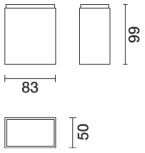
Design iGuzzini **iGuzzini**

Last information update: April 2025

Product configuration: E881
E881: Ceiling-mounted Laser Blade InOut, Neutral White LED, Flood optic

Product code
E881: Ceiling-mounted Laser Blade InOut, Neutral White LED, Flood optic

Technical description
Dual optic element, outdoor rectangular, ceiling-mounted luminaire with Neutral White LED lamps and a fixed Flood optic. Consists of an optical assembly (rectangular), an upper base, a glass cover, and a ceiling plate. The optical assembly and upper base are made of aluminium alloy and are subjected to a multi-step, pre-treatment process, in which the main phases are degreasing, fluorozirconation (a protective surface film) and sealing (with a nano-structured silane layer). The following painting stage consists of a primer and a liquid acrylic paint, cured at 150°C, with a high level of weather and UV ray resistance. AISI 304 stainless steel ceiling fixing plate. The tempered sodium-calcium sealing glass is transparent, with black serigraphy on the edge, 3mm thick and joined to the optical assembly with silicone. There are silicone seals between the upper base and the optical assembly too. Metallised, thermoplastic, high definition optic, integrated in a rear position in the black, anti-glare screen. Single cable entrance via black polyamide PG11 cable clamp, suitable for ø 6.5÷11mm cables. Connection with three fast-coupling terminals. Possibility to use unipolar cables with 2.4÷3.4mm diameter (1-2,5mm²) All external screws used are made of A2 stainless steel.



Installation
For ceiling-mounting using the special stainless steel plate. Secure using screw anchors for concrete, cement and solid brick.

Colour
Black / Black (43) | Black / White (47) | Grey / Black (74) | Rust Brown / Black (I5) | Black/Glossy Urban Bronze (S7) | Black/Glossy Copper (S8) | Black/Glossy Sand (S9) | Black/Glossy Lead (T0) | White/Glossy Urban Bronze (T1) | White/Glossy Copper (T2) | White/Glossy Sand (T3) | White/Glossy Lead (T4) | Grey/Glossy Urban Bronze (T5) | Grey/Glossy Copper (T6) | Grey/Glossy Sand (T7) | Grey/Glossy Lead (T8) | Rust Brown/Glossy Urban Bronze (T9) | Rust Brown/Glossy Copper (U0) | Rust Brown/Glossy Sand (U1) | Rust Brown/Glossy Lead (U2)

Weight (Kg)
0.75

Mounting
ceiling surface

Wiring
Complete with built-in electronic ballast (220÷240V ac 50/60Hz).

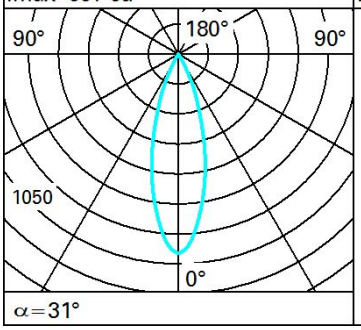
Complies with EN60598-1 and pertinent regulations

IK06 IP65

Technical data

lm system:	292	Colour temperature [K]:	4000
W system:	5.7	MacAdam Step:	3
lm source:	400	Life Time LED 1:	100,000h - L90 - B10 (Ta 25°C)
W source:	4.2	Life Time LED 2:	100,000h - L90 - B10 (Ta 40°C)
Luminous efficiency (lm/W, real value):	51.2	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.) [%]:	73	Number of optical assemblies:	1
Beam angle [°]:	30°	Intervallo temperatura ambiente:	from -30°C to 50°C.
CRI (minimum):	95	Power factor:	See installation instructions
CRI (typical):	97	Overvoltage protection:	2kV Common mode & 1kV Differential mode

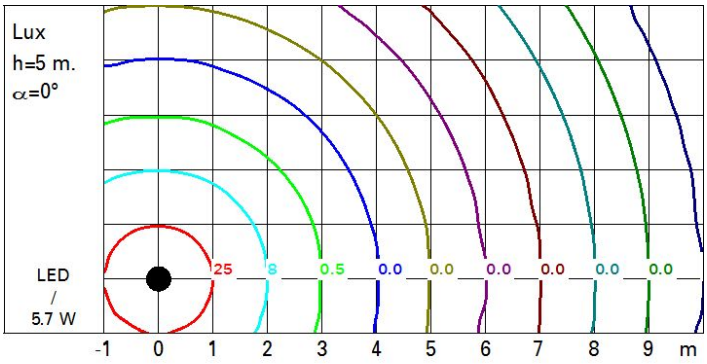
Polar



Lux

h	d	Em	Emax
2	1.1	191	249
4	2.2	48	62
6	3.3	21	28
8	4.4	12	16

Isolux



UGR diagram

Corrected UGR values (at 400 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 x	y	viewed crosswise					viewed endwise				
2H	2H	-2.8	-2.3	-2.5	-2.0	-1.8	-2.8	-2.3	-2.5	-2.0	-1.8
	3H	-2.8	-2.3	-2.5	-2.1	-1.8	-2.9	-2.4	-2.6	-2.1	-1.9
	4H	-2.8	-2.4	-2.5	-2.1	-1.8	-2.9	-2.5	-2.6	-2.2	-1.9
	6H	-2.8	-2.4	-2.5	-2.1	-1.8	-3.0	-2.6	-2.6	-2.3	-2.0
	8H	-2.8	-2.4	-2.4	-2.1	-1.7	-3.0	-2.6	-2.7	-2.3	-2.0
	12H	-2.8	-2.4	-2.4	-2.1	-1.7	-3.1	-2.7	-2.7	-2.4	-2.0
4H	2H	-2.9	-2.5	-2.6	-2.2	-1.9	-2.8	-2.4	-2.5	-2.1	-1.8
	3H	-2.9	-2.5	-2.5	-2.2	-1.8	-2.8	-2.5	-2.5	-2.1	-1.8
	4H	-2.9	-2.5	-2.5	-2.2	-1.8	-2.9	-2.5	-2.5	-2.2	-1.8
	6H	-2.8	-2.5	-2.4	-2.1	-1.7	-2.9	-2.6	-2.5	-2.2	-1.8
	8H	-2.8	-2.5	-2.4	-2.1	-1.7	-2.9	-2.7	-2.5	-2.3	-1.8
	12H	-2.8	-2.5	-2.3	-2.1	-1.6	-3.0	-2.7	-2.5	-2.3	-1.9
8H	4H	-2.9	-2.7	-2.5	-2.3	-1.8	-2.8	-2.5	-2.4	-2.1	-1.7
	6H	-2.8	-2.6	-2.4	-2.2	-1.7	-2.8	-2.6	-2.3	-2.1	-1.6
	8H	-2.8	-2.6	-2.3	-2.1	-1.6	-2.8	-2.6	-2.3	-2.1	-1.6
	12H	-2.7	-2.5	-2.2	-2.0	-1.5	-2.8	-2.6	-2.3	-2.1	-1.6
12H	4H	-3.0	-2.7	-2.5	-2.3	-1.9	-2.8	-2.5	-2.3	-2.1	-1.6
	6H	-2.9	-2.7	-2.4	-2.2	-1.7	-2.7	-2.5	-2.2	-2.1	-1.6
	8H	-2.8	-2.6	-2.3	-2.1	-1.6	-2.7	-2.5	-2.2	-2.0	-1.5

Variations with the observer position at spacing:

S =			
	1.0H	5.4 / -4.0	5.4 / -4.0
	1.5H	8.1 / -4.5	8.1 / -4.5
	2.0H	10.0 / -4.7	10.0 / -4.7