

# Laser Blade XS

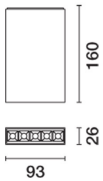
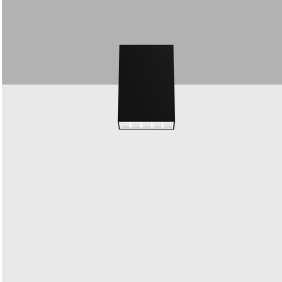
Design iGuzzini

iGuzzini

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## Product configuration: EJ65

EJ65: Ceiling-mounted linear GL Pro - 5 cells



### Product code

EJ65: Ceiling-mounted linear GL Pro - 5 cells

### Technical description

Ceiling-mounted luminaire with 5 optical elements for LED lamps - fixed optics with metallised thermoplastic high definition Opti-Beam reflectors. Despite the ultracompact size of the product, the patented technology of the optic system guarantees an efficient luminous flux optimised by a special diffuser screen that reduces direct glare significantly. Extruded aluminium main body and technical dissipation unit - shaped steel fixing plate. DALI dimmable electronic driver integrated in luminaire body. High efficiency value Neutral White LED (lm/W).

### Installation

Ceiling-mounted with surface fixing plate (screws and screw anchors not included) - external locking system.

### Colour

White (01) | Black/white (F2)

### Weight (Kg)

0.45

### Mounting

ceiling surface

### Wiring

Cables supplied with quick-coupling terminals for connecting to power supply line.

Complies with EN60598-1 and pertinent regulations



### Technical data

lm system:	897	Voltage [Vin]:	230
W system:	12.5	Lamp code:	LED
lm source:	1300	Number of lamps for optical assembly:	1
W source:	10	ZVEI Code:	LED
Luminous efficiency (lm/W, real value):	71.8	Number of optical assemblies:	1
lm in emergency mode:	-	Power factor:	See installation instructions
Total light flux at or above an angle of 90° [Lm]:	0	Inrush current:	5 A / 50 µs
Light Output Ratio (L.O.R.) [%]:	69	Maximum number of luminaires of this type per miniature circuit breaker:	B10A: 31 luminaires B16A: 50 luminaires C10A: 52 luminaires C16A: 85 luminaires
CRI (minimum):	80	Minimum dimming %:	1
Colour temperature [K]:	4000	Overvoltage protection:	3kV Common mode & 2kV Differential mode
MacAdam Step:	2	Control:	DALI-2
Life Time LED 1:	> 50,000h - L80 - B10 (Ta 25°C)		

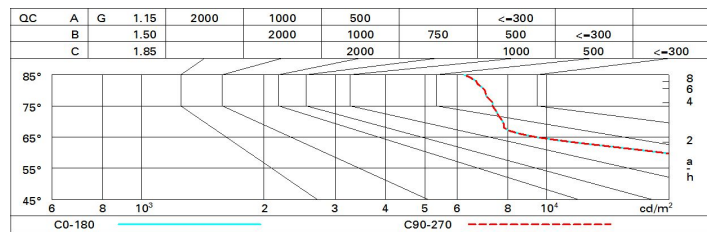
### Polar

<p><math>\text{Imax}=1077 \text{ cd}</math></p> <p>90° 180° 90°</p> <p>1000</p> <p>0°</p> <p><math>\alpha = 54^\circ</math></p>	CIE			
	nL 0.69			
	88-98-100-100-69			
	UGR 21.7-21.6			
	DIN			
	A.61			
	UTE			
	0.69A+0.00T			
	F*1=877			
	F*1+F*2=981			
F*1+F*2+F*3=997				
Lux				
h	d	Em	Emax	
1	1	799	1077	
2	2	200	269	
3	3.1	89	120	
4	4.1	50	67	

# Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	58	54	51	49	54	51	51	48	69
1.0	62	58	55	53	57	55	54	52	75
1.5	66	63	61	59	62	60	60	57	83
2.0	69	66	65	63	65	64	63	61	88
2.5	70	68	67	66	67	66	65	63	92
3.0	71	70	69	68	69	68	67	65	94
4.0	72	71	70	70	70	69	68	66	96
5.0	73	72	71	71	71	70	69	67	97

# Luminance curve limit



# UGR diagram

Corrected UGR values (at 1300 lm bare lamp luminous flux)											
Reflect.: ceiling/cav walls work pl. Room dim x y		viewed crosswise					viewed endwise				
2H	2H	21.7	22.3	22.0	22.6	22.8	21.7	22.3	22.0	22.6	22.8
	3H	21.7	22.3	22.0	22.5	22.8	21.7	22.3	22.0	22.6	22.8
	4H	21.7	22.2	22.0	22.5	22.8	21.7	22.2	22.0	22.5	22.8
	6H	21.6	22.1	22.0	22.5	22.8	21.6	22.1	21.9	22.4	22.7
	8H	21.6	22.1	22.0	22.4	22.8	21.6	22.0	21.9	22.4	22.7
	12H	21.6	22.1	22.0	22.4	22.8	21.5	22.0	21.9	22.3	22.7
4H	2H	21.7	22.2	22.0	22.5	22.8	21.7	22.2	22.0	22.5	22.8
	3H	21.7	22.1	22.0	22.5	22.8	21.7	22.2	22.1	22.5	22.8
	4H	21.7	22.1	22.1	22.4	22.8	21.7	22.1	22.1	22.4	22.8
	6H	21.7	22.0	22.1	22.4	22.8	21.6	22.0	22.0	22.4	22.8
	8H	21.7	22.0	22.1	22.4	22.8	21.6	21.9	22.0	22.3	22.8
	12H	21.6	21.9	22.1	22.4	22.8	21.5	21.8	22.0	22.3	22.7
8H	4H	21.6	21.9	22.0	22.3	22.8	21.7	22.0	22.1	22.4	22.8
	6H	21.6	21.9	22.1	22.3	22.8	21.7	21.9	22.1	22.4	22.8
	8H	21.6	21.9	22.1	22.3	22.8	21.6	21.9	22.1	22.3	22.8
	12H	21.6	21.8	22.1	22.3	22.8	21.6	21.8	22.1	22.3	22.8
12H	4H	21.5	21.8	22.0	22.3	22.7	21.6	21.9	22.1	22.4	22.8
	6H	21.6	21.8	22.1	22.3	22.8	21.6	21.9	22.1	22.3	22.8
	8H	21.6	21.8	22.1	22.3	22.8	21.6	21.8	22.1	22.3	22.8
Variations with the observer position at spacing:											
S =		1.0H					2.4 / -2.2				
		1.5H					4.5 / -4.7				
		2.0H					6.3 / -6.0				