

## Laser Blade XS

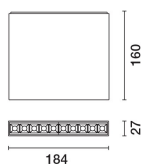
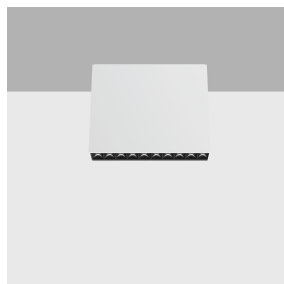
Design iGuzzini

iGuzzini

Last information update: June 2025

### Product configuration: EJ59

EJ59: Ceiling-mounted linear HC - 10 cells - Flood beam



### Product code

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### Technical description

Ceiling-mounted luminaire with 10 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 and a high level of controlled glare visual comfort. Extruded aluminium main body and technical dissipation unit - shaped steel fixing plate. Integrated DALI dimmable electronic ballast. 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 / Black (43) | Black / White (47)

### Weight (Kg)

0.69

### Mounting

ceiling surface

### Wiring

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

Complies with EN60598-1 and pertinent regulations



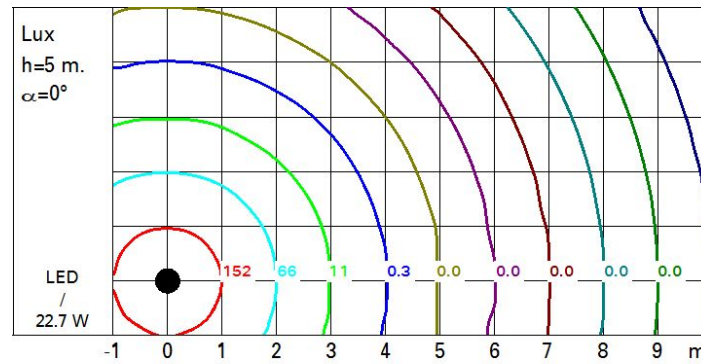
### Technical data

lm system:	2117	Life Time LED 1:	> 50,000h - L80 - B10 (Ta 25°C)
W system:	22.7	Voltage [Vin]:	230
lm source:	2550	Lamp code:	LED
W source:	20	Number of lamps for optical assembly:	1
Luminous efficiency (lm/W, real value):	93.2	ZVEI Code:	LED
lm in emergency mode:	-	Number of optical assemblies:	1
Total light flux at or above an angle of 90° [Lm]:	0	Power factor:	See installation instructions
Light Output Ratio (L.O.R.) [%]:	83	Inrush current:	5 A / 50 µs
Beam angle [°]:	43°	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:	4kV Common mode & 2kV Differential mode
MacAdam Step:	2	Control:	DALI-2

### Polar

Imax=4347 cd		Lux			
90°	180°	h	d	Em	Emax
		2	1.5	885	1079
		4	3.1	221	270
		6	4.6	98	120
		8	6.1	55	67
α = 42°					

### Isolux



### UGR diagram

Corrected UGR values (at 2550 lm bare lamp luminous flux)											
Reflect.:		viewed crosswise					viewed endwise				
ceiling		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	0.7	7.2	7.0	7.4	7.6	0.7	7.2	7.0	7.4	7.6
	3H	0.6	7.0	6.9	7.3	7.5	0.6	7.0	6.9	7.3	7.5
	4H	0.5	6.9	6.8	7.2	7.5	0.5	6.9	6.8	7.2	7.5
	6H	0.4	6.8	6.8	7.1	7.4	0.4	6.8	6.8	7.1	7.4
	8H	0.4	6.8	6.8	7.1	7.4	0.4	6.8	6.8	7.1	7.4
	12H	0.4	6.7	6.7	7.1	7.4	0.4	6.7	6.7	7.0	7.4
4H	2H	0.5	6.9	6.8	7.2	7.5	0.5	6.9	6.8	7.2	7.5
	3H	0.4	6.7	6.7	7.0	7.4	0.4	6.7	6.7	7.0	7.4
	4H	0.3	6.6	6.7	6.9	7.3	0.3	6.6	6.7	6.9	7.3
	6H	0.2	6.5	6.6	6.9	7.3	0.2	6.5	6.6	6.8	7.3
	8H	0.1	6.4	6.6	6.8	7.2	0.1	6.4	6.6	6.8	7.2
	12H	0.1	6.3	6.6	6.8	7.2	0.1	6.3	6.5	6.7	7.2
8H	4H	0.1	6.4	6.6	6.8	7.2	0.1	6.4	6.6	6.8	7.2
	6H	0.0	6.3	6.5	6.7	7.2	0.1	6.3	6.5	6.7	7.2
	8H	0.0	6.2	6.5	6.6	7.1	0.0	6.2	6.5	6.6	7.1
	12H	0.0	6.1	6.5	6.6	7.1	0.0	6.1	6.5	6.6	7.1
12H	4H	0.1	6.3	6.5	6.7	7.2	0.1	6.3	6.6	6.8	7.2
	6H	0.0	6.2	6.5	6.6	7.1	0.0	6.2	6.5	6.7	7.1
	8H	0.0	6.1	6.5	6.6	7.1	0.0	6.1	6.5	6.6	7.1
Variations with the observer position at spacing:											
S =		1.0H	7.0	/ -14.5				7.0	/ -14.5		
		1.5H	9.8	/ -14.7				9.8	/ -14.7		
		2.0H	11.8	/ -14.8				11.8	/ -14.8		