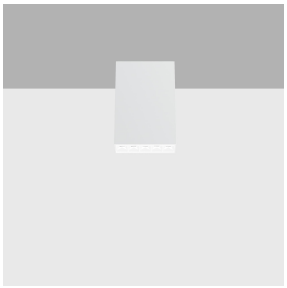
Laser Blade XS

Design iGuzzini **iGuzzini**

Last information update: September 2024

Product configuration: EJ58
EJ58: Ceiling-mounted linear HC - 5 cells - Flood beam



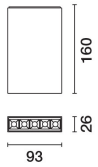
Product code
EJ58: Ceiling-mounted linear HC - 5 cells - Flood beam

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 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)
0.45



Mounting
ceiling surface

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

Complies with EN60598-1 and pertinent regulations

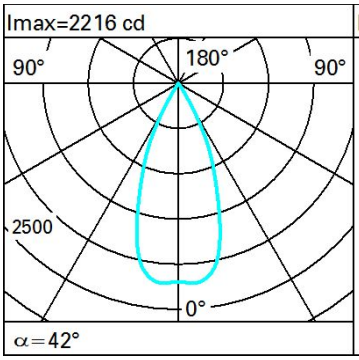
IP20

Technical data

lm system:	1079
W system:	12.5
lm source:	1300
W source:	10
Luminous efficiency (lm/W, real value):	86.3
lm in emergency mode:	-
Total light flux at or above an angle of 90° [Lm]:	0
Light Output Ratio (L.O.R.) [%]:	83
Beam angle [°]:	43°
CRI (minimum):	80
Colour temperature [K]:	4000
MacAdam Step:	2

Life Time LED 1:	> 50,000h - L80 - B10 (Ta 25°C)
Voltage [Vin]:	230
Lamp code:	LED
Number of lamps for optical assembly:	1
ZVEI Code:	LED
Number of optical assemblies:	1
Power factor:	See installation instructions
Inrush current:	5 A / 50 µs
Maximum number of luminaires of this type per miniature circuit breaker:	B10A: 31 luminaires B16A: 50 luminaires C10A: 52 luminaires C16A: 85 luminaires
Minimum dimming %:	1
Overvoltage protection:	3kV Common mode & 2kV Differential mode
Control:	DALI-2

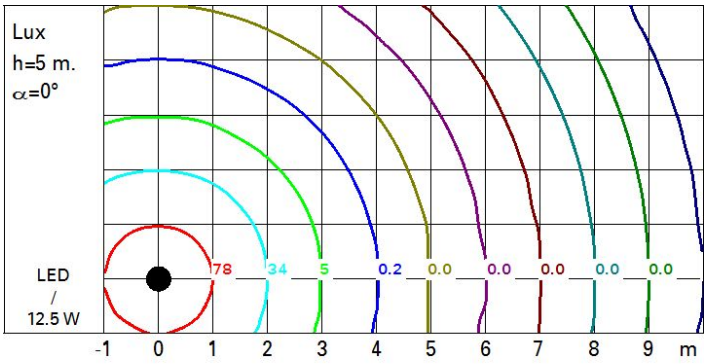
Polar



Lux

h	d	Em	Emax
2	1.5	451	550
4	3.1	113	137
6	4.6	50	61
8	6.1	28	34

Isolux



UGR diagram

Corrected UGR values (at 1300 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	7.0	7.5	7.3	7.7	7.9	7.0	7.5	7.3	7.7	7.9
	3H	6.9	7.3	7.2	7.6	7.8	6.9	7.3	7.2	7.6	7.8
	4H	6.8	7.2	7.1	7.5	7.8	6.8	7.2	7.1	7.5	7.8
	6H	6.7	7.1	7.1	7.4	7.7	6.7	7.1	7.1	7.4	7.7
	8H	6.7	7.0	7.0	7.4	7.7	6.7	7.0	7.0	7.4	7.7
	12H	6.6	7.0	7.0	7.3	7.7	6.6	7.0	7.0	7.3	7.7
4H	2H	6.8	7.2	7.1	7.5	7.8	6.8	7.2	7.1	7.5	7.8
	3H	6.6	7.0	7.0	7.3	7.7	6.6	7.0	7.0	7.3	7.7
	4H	6.5	6.9	6.9	7.2	7.6	6.5	6.9	6.9	7.2	7.6
	6H	6.5	6.7	6.9	7.1	7.5	6.5	6.7	6.9	7.1	7.5
	8H	6.4	6.7	6.9	7.1	7.5	6.4	6.7	6.8	7.1	7.5
	12H	6.4	6.6	6.8	7.0	7.5	6.4	6.6	6.8	7.0	7.5
8H	4H	6.4	6.7	6.8	7.1	7.5	6.4	6.7	6.9	7.1	7.5
	6H	6.3	6.5	6.8	7.0	7.4	6.3	6.5	6.8	7.0	7.5
	8H	6.3	6.5	6.8	6.9	7.4	6.3	6.5	6.8	6.9	7.4
	12H	6.2	6.4	6.7	6.9	7.4	6.2	6.4	6.7	6.9	7.4
12H	4H	6.4	6.6	6.8	7.0	7.5	6.4	6.6	6.8	7.0	7.5
	6H	6.3	6.4	6.8	6.9	7.4	6.3	6.5	6.8	6.9	7.4
	8H	6.2	6.4	6.7	6.9	7.4	6.2	6.4	6.7	6.9	7.4

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