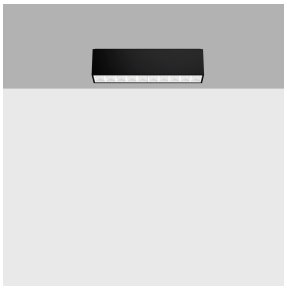
Laser Blade XS

Design iGuzzini **iGuzzini**

Last information update: October 2024

Product configuration: Q891
Q891: Ceiling-mounted LB XS Linear GL Pro - 10 cells - remote driver



Product code
Q891: Ceiling-mounted LB XS Linear GL Pro - 10 cells - remote driver

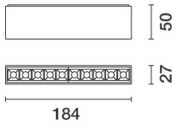
Technical description
Ceiling-mounted luminaire with 10 optic elements for LED lamps - fixed optics with metallised thermoplastic high definition Opti-Beam reflectors. Despite the ultracompact size of the product, the patented technology of the optic system guarantees an efficient luminous flux optimised by a special diffuser screen that reduces direct glare significantly. Extruded aluminium main body and technical dissipation unit - shaped steel fixing plate. Ballast not included, available with separate code.

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

Colour
White (01) | Black/white (F2)

Weight (Kg)
0.3

Mounting
ceiling surface



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

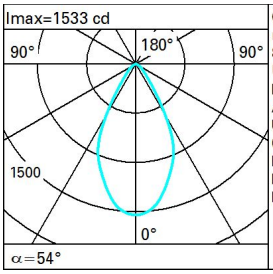
Complies with EN60598-1 and pertinent regulations

IP20

Technical data

lm system:	1277	Colour temperature [K]:	3000
W system:	20	MacAdam Step:	2
lm source:	1850	Life Time LED 1:	> 50,000h - L80 - B10 (Ta 25°C)
W source:	20	Lamp code:	LED
Luminous efficiency (lm/W, real value):	63.8	Number of lamps for optical assembly:	1
lm in emergency mode:	-	ZVEI Code:	LED
Total light flux at or above an angle of 90° [Lm]:	0	Number of optical assemblies:	1
Light Output Ratio (L.O.R.) [%]:	69	LED current [mA]:	700
CRI (minimum):	90		

Polar



CIE
nL 0.69
88-98-100-100-69
UGR 21.9-21.8
DIN
A.61
UTE
0.69A+0.00T
F"1=877
F"1+F"2=981
F"1+F"2+F"3=997

Lux

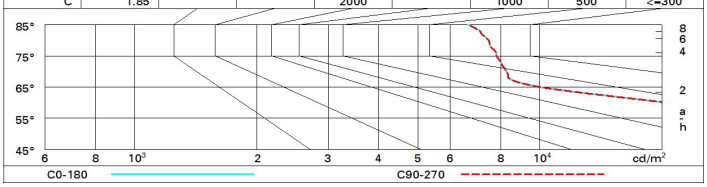
h	d	Em	Emax
1	1	1137	1533
2	2	284	383
3	3.1	126	170
4	4.1	71	96

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

QC		G								
	A		1.15	2000	1000	500		<=300		
	B		1.50		2000	1000	750	500	<=300	
	C		1.85			2000		1000	500	<=300



UGR diagram

Corrected UGR values (at 1850 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	21.9	22.6	22.2	22.9	23.1	21.9	22.6	22.2	22.9	23.1
	3H	21.9	22.5	22.2	22.8	23.1	21.9	22.6	22.2	22.8	23.1
	4H	21.9	22.5	22.2	22.8	23.1	21.9	22.5	22.2	22.8	23.1
	6H	21.8	22.4	22.2	22.7	23.0	21.8	22.3	22.1	22.7	23.0
	8H	21.8	22.4	22.2	22.7	23.0	21.8	22.3	22.1	22.6	23.0
	12H	21.8	22.3	22.2	22.7	23.0	21.7	22.2	22.1	22.6	22.9
4H	2H	21.9	22.5	22.2	22.8	23.1	21.9	22.5	22.2	22.8	23.1
	3H	21.9	22.4	22.2	22.7	23.1	21.9	22.4	22.3	22.7	23.1
	4H	21.9	22.3	22.3	22.7	23.1	21.9	22.3	22.3	22.7	23.1
	6H	21.9	22.3	22.3	22.7	23.1	21.8	22.2	22.2	22.6	23.0
	8H	21.9	22.2	22.3	22.6	23.1	21.8	22.1	22.2	22.6	23.0
	12H	21.9	22.2	22.3	22.6	23.1	21.7	22.1	22.2	22.5	23.0
8H	4H	21.8	22.1	22.2	22.6	23.0	21.9	22.2	22.3	22.6	23.1
	6H	21.8	22.1	22.3	22.6	23.0	21.9	22.1	22.3	22.6	23.1
	8H	21.8	22.1	22.3	22.6	23.1	21.8	22.1	22.3	22.6	23.1
	12H	21.8	22.1	22.3	22.5	23.1	21.8	22.0	22.3	22.5	23.0
12H	4H	21.7	22.1	22.2	22.5	23.0	21.9	22.2	22.3	22.6	23.1
	6H	21.8	22.0	22.3	22.5	23.0	21.8	22.1	22.3	22.6	23.1
	8H	21.8	22.0	22.3	22.5	23.0	21.8	22.1	22.3	22.5	23.1

Variations with the observer position at spacing:

S =			
	1.0H	2.4 / -2.2	2.4 / -2.2
	1.5H	4.5 / -4.7	4.5 / -4.7
	2.0H	6.3 / -6.0	6.3 / -6.0