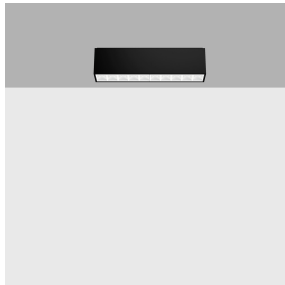


# Laser Blade XS

Last information update: October 2024

**Product configuration: Q890**  
Q890: Ceiling-mounted LB XS Linear GL Pro - 10 cells - remote driver



**Product code**  
Q890: 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.

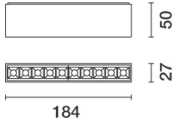
**Colour**  
White (01) | Black/white (F2)

**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



## Technical data

lm system:	1518	Colour temperature [K]:	4000
W system:	20	MacAdam Step:	2
lm source:	2200	Life Time LED 1:	> 50,000h - L80 - B10 (Ta 25°C)
W source:	20	Lamp code:	LED
Luminous efficiency (lm/W, real value):	75.9	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		

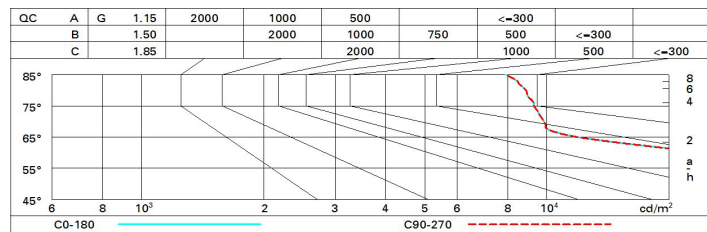
## Polar

	<b>CIE</b> nL 0.69 88-98-100-100-69 UGR 22.5-22.4 <b>DIN</b> A.61 <b>UTE</b> 0.69A+0.00T F*1=877 F*1+F*2=981 F*1+F*2+F*3=997			
	h	d	Em	Emax
	2	2	338	456
	4	4.1	84	114
	6	6.1	38	51
	8	8.2	21	28

# 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 2200 lm bare lamp luminous flux)											
Reflect.: ceiling/cav walls work pl. Room dim x y		viewed crosswise					viewed endwise				
2H	2H	22.5	23.2	22.8	23.5	23.7	22.5	23.2	22.8	23.5	23.7
	3H	22.5	23.1	22.8	23.4	23.7	22.5	23.2	22.8	23.4	23.7
	4H	22.5	23.1	22.8	23.4	23.7	22.5	23.1	22.8	23.4	23.7
	6H	22.4	23.0	22.8	23.3	23.6	22.4	22.9	22.7	23.3	23.6
	8H	22.4	23.0	22.8	23.3	23.6	22.4	22.9	22.7	23.2	23.6
	12H	22.4	22.9	22.8	23.3	23.6	22.3	22.8	22.7	23.2	23.5
4H	2H	22.5	23.1	22.8	23.4	23.7	22.5	23.1	22.8	23.4	23.7
	3H	22.5	23.0	22.8	23.3	23.7	22.5	23.0	22.9	23.4	23.7
	4H	22.5	22.9	22.9	23.3	23.7	22.5	22.9	22.9	23.3	23.7
	6H	22.5	22.9	22.9	23.3	23.7	22.4	22.8	22.8	23.2	23.6
	8H	22.5	22.8	22.9	23.2	23.7	22.4	22.7	22.8	23.2	23.6
	12H	22.5	22.8	22.9	23.2	23.7	22.3	22.7	22.8	23.1	23.6
8H	4H	22.4	22.7	22.8	23.2	23.6	22.5	22.8	22.9	23.2	23.7
	6H	22.4	22.7	22.9	23.2	23.6	22.5	22.8	22.9	23.2	23.7
	8H	22.4	22.7	22.9	23.2	23.7	22.4	22.7	22.9	23.2	23.7
	12H	22.4	22.7	22.9	23.1	23.7	22.4	22.6	22.9	23.1	23.6
12H	4H	22.3	22.7	22.8	23.1	23.6	22.5	22.8	22.9	23.2	23.7
	6H	22.4	22.6	22.9	23.1	23.6	22.4	22.7	22.9	23.2	23.7
	8H	22.4	22.6	22.9	23.1	23.6	22.4	22.7	22.9	23.1	23.7
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				