

Laser Blade XS

iGuzzini

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Last information update: May 2025

**Product configuration: Q520**  
Q520: Frame 15 cells - Flood beam - LED

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<p><b>Technical description</b></p> <p>Linear miniaturised recessed luminaire with 15 optical elements for LED lamps - fixed optics. Despite the ultracompact size of the product, the patented technology of the optic system guarantees an efficient flow and a high level of controlled glare visual comfort. Main body with die-cast aluminium radiant surface, version with perimeter surface frame. Metallised, thermoplastic, high definition Opti Beam reflectors, integrated in a set-back position in the anti-glare screen. Supplied with DALI power supply unit connected to the luminaire.</p>
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**Installation**  
Recessed with steel wire springs for false ceilings from 1 to 25 mm thick - preparation hole 24 x 276.

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Colour	Weight (Kg)
White (01)   Black / Black (43)   Black / White (47)   White/Gold (41)*   Grey / Black (74)*   White / burnished chrome (E7)*	0.75

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Weight (Kg)

0.75

\* Colours on request

**Mounting**  
wall recessed/ceiling recessed

wall recessed|ceiling recessed

**Wiring**  
On the power supply unit with terminal board included.

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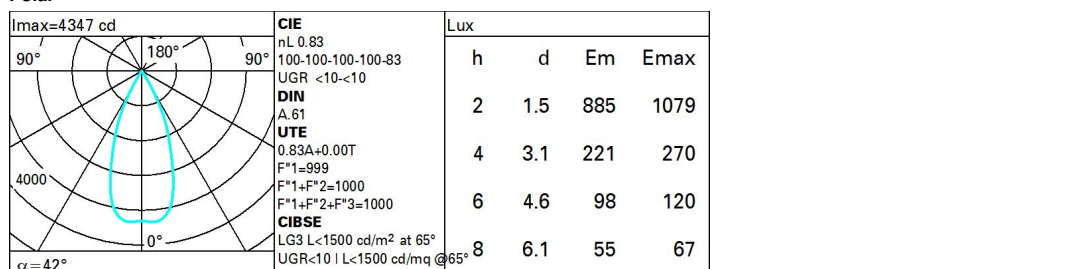
Complies with EN60598-1 and pertinent regulations



## Technical data

Im system:	2117	Colour temperature [K]:	2700
W system:	33.8	MacAdam Step:	2
Im source:	2550	Life Time LED 1:	> 50,000h - L80 - B10 (Ta 25°C)
W source:	30	Voltage [Vin]:	230
Luminous efficiency (lm/W, real value):	62.6	Lamp code:	LED
Im in emergency mode:	-	Number of lamps for optical assembly:	1
Total light flux at or above an angle of 90° [Lm]:	0	ZVEI Code:	LED
Light Output Ratio (L.O.R.) [%]:	83	Number of optical assemblies:	1
Beam angle [°]:	43°	Control:	DALI-2
CRI (minimum):	90		

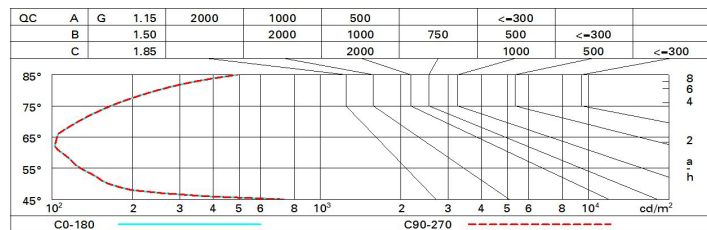
## Polar



# Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	75	71	68	66	70	68	68	65	78
1.0	78	75	72	70	74	72	71	69	83
1.5	82	80	77	76	79	77	76	74	89
2.0	85	83	81	80	82	80	79	77	93
2.5	86	85	84	83	84	83	82	79	96
3.0	87	86	85	85	85	84	83	81	98
4.0	88	87	87	86	86	86	84	82	99
5.0	89	88	88	88	87	87	85	83	100

# Luminance curve limit



# UGR diagram

Corrected UGR values (at 2550 lm bare lamp luminous flux)											
Reflect.: ceiling/cav walls work pl. Room dim x y		viewed crosswise					viewed endwise				
		0.70	0.70	0.50	0.50	0.30	0.70	0.70	0.50	0.50	0.30
		0.50	0.30	0.50	0.30	0.30	0.50	0.30	0.50	0.30	0.30
		0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
2H	2H	0.9	7.4	7.2	7.7	7.9	0.9	7.4	7.2	7.7	7.9
	3H	0.8	7.3	7.1	7.5	7.8	0.8	7.3	7.1	7.5	7.8
	4H	0.8	7.2	7.1	7.4	7.7	0.7	7.2	7.1	7.4	7.7
	6H	0.7	7.0	7.0	7.4	7.7	0.7	7.0	7.0	7.4	7.7
	8H	0.6	7.0	7.0	7.3	7.7	0.6	7.0	7.0	7.3	7.7
	12H	0.6	7.0	7.0	7.3	7.6	0.6	6.9	7.0	7.3	7.6
4H	2H	0.7	7.2	7.1	7.4	7.7	0.8	7.2	7.1	7.4	7.7
	3H	0.6	6.9	7.0	7.3	7.6	0.6	6.9	7.0	7.3	7.6
	4H	0.5	6.8	6.9	7.2	7.6	0.5	6.8	6.9	7.2	7.6
	6H	0.4	6.7	6.8	7.1	7.5	0.4	6.7	6.8	7.1	7.5
	8H	0.4	6.6	6.8	7.0	7.5	0.4	6.6	6.8	7.0	7.5
	12H	0.3	6.6	6.8	7.0	7.5	0.3	6.5	6.8	7.0	7.4
8H	4H	0.4	6.6	6.8	7.0	7.5	0.4	6.6	6.8	7.0	7.5
	6H	0.3	6.5	6.8	6.9	7.4	0.3	6.5	6.8	6.9	7.4
	8H	0.2	6.4	6.7	6.9	7.4	0.2	6.4	6.7	6.9	7.4
	12H	0.2	6.4	6.7	6.8	7.4	0.2	6.3	6.7	6.8	7.3
12H	4H	0.3	6.5	6.8	7.0	7.4	0.3	6.6	6.8	7.0	7.5
	6H	0.2	6.4	6.7	6.9	7.4	0.2	6.4	6.7	6.9	7.4
	8H	0.2	6.3	6.7	6.8	7.3	0.2	6.4	6.7	6.8	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				