

Laser Blade XS

iGuzzini

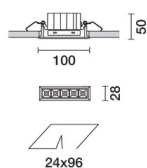
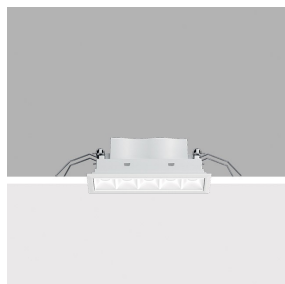
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Last information update: April 2024

**Product configuration: Q947**  
Q947: Frame recessed luminaire - 5 cells - General Lighting Pro - DALI

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Rectangular recessed miniaturised luminaire with 5 optical elements for LED sources - fixed optics with metallised thermoplastic high definition Opti-Beam reflectors, integrated in a set-back position in the anti-glare screen. Main body with die-cast aluminium radiant surface, version with perimeter surface frame. Despite the ultracompact size of the product, the combination of a total white finish and the patented technology of the optic system guarantees an even and efficient luminous flux optimised by a special diffuser screen that reduces direct glare significantly. Supplied with DALI dimmable electronic power supply connected to the luminaire.

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Recessed with steel wire springs for false ceilings from 1 to 25 mm thick - preparation hole 24 x 96.

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**Weight (Kg)**  
0.35

mounting  
wall recessed/ceiling recessed

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On power supply: quick-coupling connection

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Complies with EN60598-1 and pertinent regulations



Technical data			
Im system:	793	Life Time LED 1:	> 50,000h - L80 - B10 (Ta 25°C)
W system:	12.4	Lamp code:	LED
Im source:	1150	Number of lamps for optical assembly:	1
W source:	9.9	ZVEI Code:	LED
Luminous efficiency (lm/W, real value):	64	Number of optical assemblies:	1
Im in emergency mode:	-	Power factor:	See installation instructions
Total light flux at or above an angle of 90° [Lm]:	0	Inrush current:	9 A / 22 µs
Light Output Ratio (L.O.R.) [%]:	69	Maximum number of luminaires of this type per miniature circuit breaker:	B10A: 20 luminaires B16A: 33 luminaires C10A: 34 luminaires C16A: 56 luminaires
CRI (minimum):	90	Minimum dimming %:	1
Colour temperature [K]:	4000	Overvoltage protection:	2kV Common mode & 1kV Differential mode
MacAdam Step:	2	Control:	DALI-2

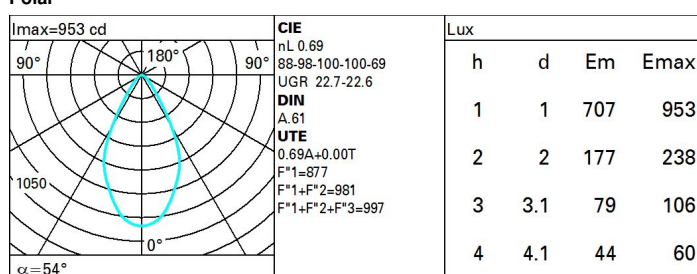
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The figure shows a light distribution diagram on the left and a table of photometric data on the right.

**Light Distribution Diagram:** A circular diagram with concentric circles representing light intensity. The outermost circle is labeled "Imax=953 cd". The diagram is divided into sectors by radial lines at 90°, 180°, and 90°. A blue curve represents the light beam, starting from the center and extending to the outer edge. The angle of the beam is labeled "α = 54°".

**Photometric Data Table:**

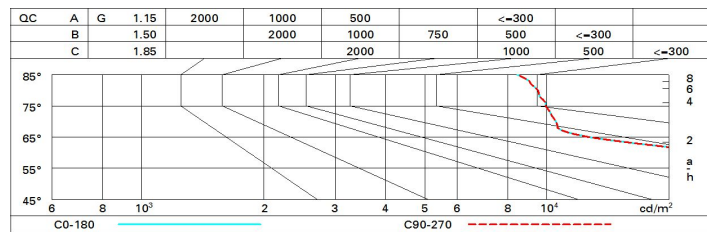
CIE		Lux			
nL	0.69				
88-98-100-100-69					
UGR	22.7-22.6				
<b>DIN</b>					
A	61				
<b>UTE</b>					
0.69A+0.00T					
F*1=877					
F*1+F*2=981					
F*1+F*2+F*3=997					
		h	d	Em	Emax
		1	1	707	953
		2	2	177	238
		3	3.1	79	106
		4	4.1	44	60



# 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 1150 lm bare lamp luminous flux)											
Reflect.: ceiling/cav walls work pl. Room dim x y		viewed crosswise					viewed endwise				
2H	2H	0.70	0.70	0.50	0.50	0.30	0.70	0.70	0.50	0.50	0.30
	3H	0.50	0.30	0.50	0.30	0.30	0.50	0.30	0.50	0.30	0.30
	4H	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
	6H	22.7	23.2	23.0	23.5	23.8	22.6	23.1	23.0	23.4	23.8
	8H	22.7	23.2	23.0	23.5	23.8	22.6	23.1	23.0	23.4	23.7
	12H	22.7	23.1	23.0	23.5	23.8	22.6	23.0	22.9	23.4	23.7
4H	2H	22.7	23.2	23.0	23.5	23.8	22.7	23.2	23.0	23.5	23.8
	3H	22.7	23.2	23.1	23.5	23.9	22.7	23.2	23.1	23.5	23.9
	4H	22.7	23.1	23.1	23.5	23.9	22.7	23.1	23.1	23.5	23.9
	6H	22.7	23.1	23.1	23.5	23.9	22.7	23.0	23.1	23.4	23.8
	8H	22.7	23.0	23.2	23.5	23.9	22.6	23.0	23.1	23.4	23.8
	12H	22.7	23.0	23.2	23.4	23.9	22.6	22.9	23.0	23.3	23.8
8H	4H	22.6	23.0	23.1	23.4	23.8	22.7	23.0	23.2	23.5	23.9
	6H	22.7	22.9	23.1	23.4	23.9	22.7	23.0	23.2	23.4	23.9
	8H	22.7	22.9	23.2	23.4	23.9	22.7	22.9	23.2	23.4	23.9
	12H	22.7	22.9	23.2	23.4	23.9	22.7	22.9	23.2	23.3	23.9
12H	4H	22.6	22.9	23.0	23.3	23.8	22.7	23.0	23.2	23.4	23.9
	6H	22.6	22.9	23.1	23.3	23.8	22.7	22.9	23.2	23.4	23.9
	8H	22.7	22.9	23.2	23.3	23.9	22.7	22.9	23.2	23.4	23.9
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				