

Laser Blade XS

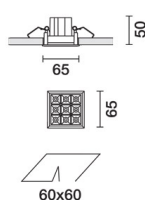
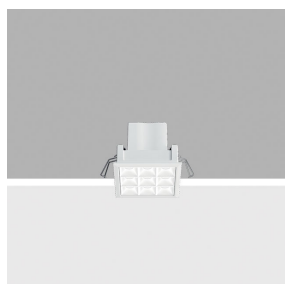
Design iGuzzini

iGuzzini

Last information update: April 2024

Product configuration: Q950

Q950: Frame recessed luminaire - 9 cells - General Lighting Pro - DALI



Product code

Q950: Frame recessed luminaire - 9 cells - General Lighting Pro - DALI

Technical description

Square recessed miniaturised luminaire with 9 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.

Installation

Recessed with steel wire springs for false ceilings from 1 to 25 mm thick - preparation hole 60 x 60.

Colour
White (01)

Weight (Kg)
0.3

Mounting

mounting
wall recessed/ceiling recessed

Wiring

On power supply: quick-coupling connection

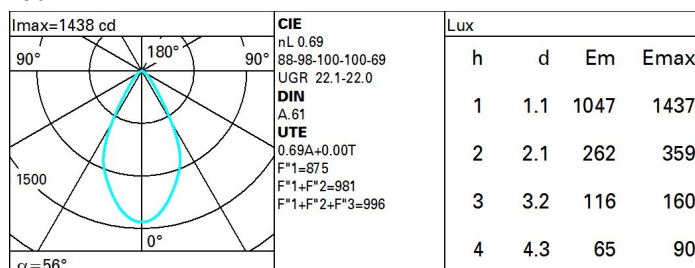
Complies with EN60598-1 and pertinent regulations



Technical data

Im system:	1208	Life Time LED 1:	> 50,000h - L80 - B10 (Ta 25°C)
W system:	17.8	Lamp code:	LED
Im source:	1750	Number of lamps for optical assembly:	1
W source:	15	ZVEI Code:	LED
Luminous efficiency (lm/W, real value):	67.8	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:	5 A / 50 µs
Light Output Ratio (L.O.R.) [%]:	69	Maximum number of luminaires of this type per miniature circuit breaker:	B10A: 31 luminaires B16A: 50 luminaires C10A: 52 luminaires C16A: 85 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

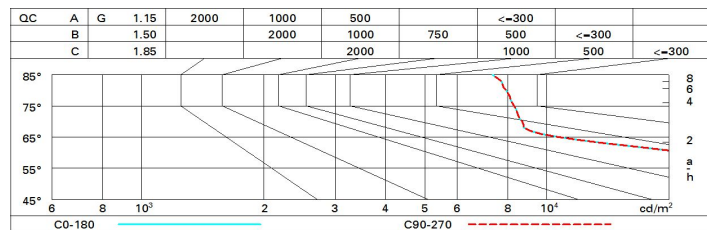
Polar



Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	58	54	51	49	53	51	50	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 1750 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	22.1	22.8	22.4	23.0	23.3	22.1	22.8	22.4	23.0	23.3
	3H	22.0	22.7	22.4	23.0	23.3	22.1	22.7	22.4	23.0	23.3
	4H	22.0	22.6	22.4	22.9	23.2	22.0	22.6	22.4	22.9	23.2
	6H	22.0	22.6	22.4	22.9	23.2	22.0	22.5	22.3	22.8	23.2
	8H	22.0	22.5	22.4	22.9	23.2	21.9	22.5	22.3	22.8	23.1
	12H	22.0	22.5	22.4	22.8	23.2	21.9	22.4	22.3	22.7	23.1
4H	2H	22.0	22.6	22.4	22.9	23.2	22.0	22.6	22.4	22.9	23.2
	3H	22.0	22.6	22.4	22.9	23.2	22.1	22.6	22.5	22.9	23.3
	4H	22.0	22.5	22.4	22.9	23.3	22.0	22.5	22.4	22.9	23.3
	6H	22.1	22.5	22.5	22.9	23.3	22.0	22.4	22.4	22.8	23.2
	8H	22.1	22.4	22.5	22.8	23.3	22.0	22.3	22.4	22.7	23.2
	12H	22.0	22.4	22.5	22.8	23.3	21.9	22.3	22.4	22.7	23.1
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	8H	22.0	22.3	22.5	22.8	23.3	22.0	22.3	22.5	22.8	23.3
	12H	22.0	22.3	22.5	22.7	23.3	22.0	22.2	22.5	22.7	23.2
12H	4H	21.9	22.3	22.4	22.7	23.1	22.0	22.4	22.5	22.8	23.3
	6H	22.0	22.2	22.5	22.7	23.2	22.0	22.3	22.5	22.8	23.3
	8H	22.0	22.2	22.5	22.7	23.2	22.0	22.3	22.5	22.7	23.3
Variations with the observer position at spacing:											
S =	1.0H	2.3 / -2.1					2.3 / -2.1				
	1.5H	4.4 / -4.5					4.4 / -4.5				
	2.0H	6.2 / -5.8					6.2 / -5.8				