

Laser Blade XS

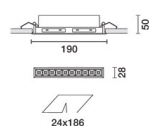
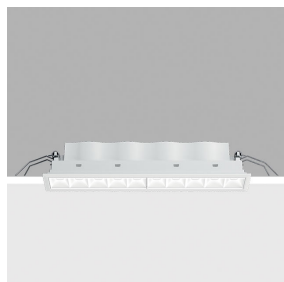
Design iGuzzini

iGuzzini

Last information update: April 2024

Product configuration: Q953

Q953: Frame recessed luminaire - 10 cells - General Lighting Pro - DALI



Product code

Q953: Frame recessed luminaire - 10 cells - General Lighting Pro - DALI

Technical description

Rectangular recessed miniaturised luminaire with 10 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 24 x 186.

Colour

White (01)

Weight (Kg)

0.55

Mounting

wall recessed|ceiling recessed

Wiring

On power supply; quick-coupling connection

Complies with EN60598-1 and pertinent regulations



Technical data

lm system:	1518	Life Time LED 1:	> 50,000h - L80 - B10 (Ta 25°C)
W system:	23.1	Lamp code:	LED
lm source:	2200	Number of lamps for optical assembly:	1
W source:	20	ZVEI Code:	LED
Luminous efficiency (lm/W, real value):	65.7	Number of optical assemblies:	1
lm 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

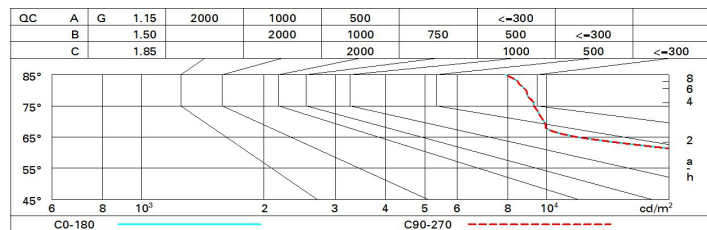
Polar

	CIE nL 0.69 88-98-100-100-69 UGR 22.5-22.4 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
	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				
		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	22.5	23.2	22.8	23.4	23.6	22.5	23.2	22.8	23.4	23.6
	3H	22.5	23.1	22.8	23.3	23.6	22.5	23.1	22.8	23.4	23.6
	4H	22.5	23.0	22.8	23.3	23.6	22.5	23.0	22.8	23.3	23.6
	6H	22.5	23.0	22.8	23.3	23.6	22.4	22.9	22.8	23.2	23.5
	8H	22.4	22.9	22.8	23.3	23.6	22.4	22.9	22.7	23.2	23.5
	12H	22.4	22.9	22.8	23.2	23.6	22.3	22.8	22.7	23.1	23.5
4H	2H	22.5	23.0	22.8	23.3	23.6	22.5	23.0	22.8	23.3	23.6
	3H	22.5	22.9	22.9	23.3	23.6	22.5	23.0	22.9	23.3	23.7
	4H	22.5	22.9	22.9	23.2	23.6	22.5	22.9	22.9	23.2	23.6
	6H	22.5	22.8	22.9	23.2	23.7	22.4	22.8	22.9	23.2	23.6
	8H	22.5	22.8	22.9	23.2	23.7	22.4	22.7	22.8	23.1	23.6
	12H	22.5	22.8	22.9	23.2	23.6	22.4	22.7	22.8	23.1	23.5
8H	4H	22.4	22.7	22.8	23.1	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	22.7	22.9	23.2	23.7
	8H	22.4	22.7	22.9	23.1	23.6	22.4	22.7	22.9	23.1	23.6
	12H	22.5	22.7	23.0	23.1	23.7	22.4	22.6	22.9	23.1	23.6
12H	4H	22.4	22.7	22.8	23.1	23.5	22.5	22.8	22.9	23.2	23.6
	6H	22.4	22.6	22.9	23.1	23.6	22.5	22.7	22.9	23.2	23.7
	8H	22.4	22.6	22.9	23.1	23.6	22.5	22.7	23.0	23.1	23.7
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				