Laser Blade

Design iGuzzini   **iGuzzini**

Last information update: March 2025

Product configuration: Q935
Q935: Frame recessed luminaire - 5 cells - General Lighting Pro - DALI

Product code
Q935: Frame recessed luminaire - 5 cells - General Lighting Pro - DALI

Technical description
Rectangular recessed luminaire with 5 optical elements for LED lamps - 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. The total white finish and the patented technology of the optic system guarantee an even and efficient luminous flux optimised by a special diffuser screen that reduces direct glare significantly. Supplied with DALI dimmable electronic control gear connected to the luminaire. High colour rendering LED.

Installation
Recessed with steel wire springs for false ceilings from 1 to 25 mm thick - preparation hole 37 x 141.

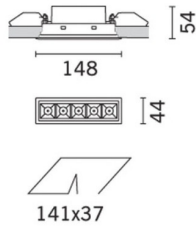| Colour	Weight (Kg)
White (01)	0.3

Mounting
wall recessed|ceiling recessed

Wiring
On control gear box with quick-coupling connections.

Complies with EN60598-1 and pertinent regulations

IP20   IP23   CE   UKCA   ✓03   ⑧   EAC   QCERT   NOM-5   RAM   Ⓢ   PEP ecoPASSPORT   CCC pending

Technical data

lm system:	720	Life Time LED 1:	50,000h - L90 - B10 (Ta 25°C)
W system:	13	Lamp code:	LED
lm source:	1000	Number of lamps for optical assembly:	1
W source:	10		
Luminous efficiency (lm/W, real value):	55.4	ZVEI Code:	LED
lm in emergency mode:	-	Number of optical assemblies:	1
Total light flux at or above an angle of 90° [Lm]:	0	Power factor:	See installation instructions
		Inrush current:	20 A / 50 µs
Light Output Ratio (L.O.R.) [%]:	72	Maximum number of luminaires of this type per miniature circuit breaker:	B10A: 50 luminaires
CRI (minimum):	95		B16A: 80 luminaires
CRI (typical):	97		C10A: 83 luminaires
Colour temperature [K]:	4000		C16A: 136 luminaires
MacAdam Step:	3	Minimum dimming %:	1
		Overvoltage protection:	2kV Common mode & 2kV Differential mode
		Control:	DALI-2

Polar

Imax=989 cd

CIE
nL 0.72
88-98-100-100-72
UGR 18.5-18.4
DIN
A.61
UTE
0.72A+0.00T
F"1=884
F"1+F"2=980
F"1+F"2+F"3=996

α=48°

Lux			
h	d	Em	Emax
1	0.9	783	988
2	1.8	196	247
3	2.7	87	110
4	3.6	49	62
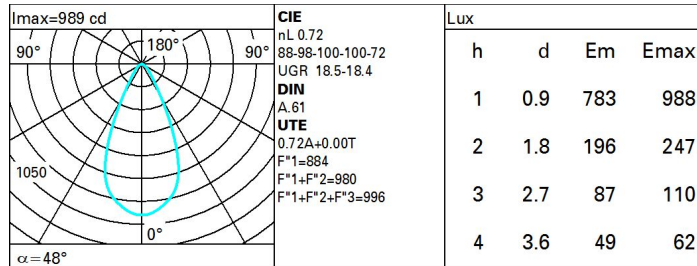
Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	61	57	54	52	56	53	53	50	70
1.0	65	61	58	56	60	57	57	54	75
1.5	69	66	64	62	65	63	62	60	83
2.0	72	69	68	66	68	67	66	64	88
2.5	73	72	70	69	70	69	68	66	92
3.0	74	73	72	71	72	71	70	68	94
4.0	75	74	74	73	73	72	71	69	96
5.0	76	75	74	74	74	73	72	70	97

Luminance curve limit

QC	A	G	1.15	2000	1000	500		<=300		
	B		1.50		2000	1000	750	500	<=300	
	C		1.85			2000		1000	500	<=300

C0-180 ——— C90-270 – – – – – – –
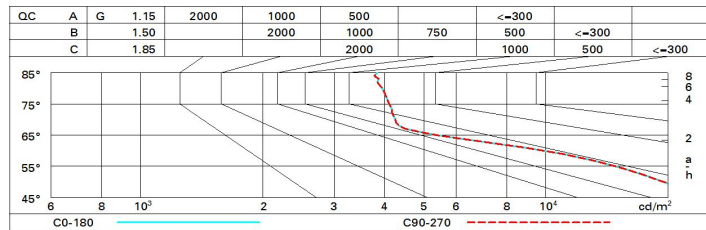
UGR diagram

Corrected UGR values (at 1000 lm bare lamp luminous flux)

Riflect.:											
ceil/cav		0.70	0.70	0.50	0.50	0.30	0.70	0.70	0.50	0.50	0.30
walls		0.50	0.30	0.50	0.30	0.30	0.50	0.30	0.50	0.30	0.30
work pl.		0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
Room dim			viewed					viewed			
x	y		crosswise					endwise			
2H	2H	18.3	19.0	18.6	19.2	19.5	18.3	19.0	18.6	19.2	19.5
	3H	18.3	18.9	18.7	19.2	19.5	18.4	19.0	18.7	19.2	19.5
	4H	18.4	18.9	18.7	19.2	19.5	18.3	18.9	18.6	19.2	19.5
	6H	18.4	18.9	18.7	19.2	19.5	18.2	18.8	18.6	19.1	19.4
	8H	18.4	18.9	18.7	19.2	19.6	18.2	18.7	18.6	19.1	19.4
	12H	18.4	18.9	18.7	19.2	19.5	18.2	18.7	18.6	19.0	19.4
4H	2H	18.3	18.9	18.6	19.2	19.5	18.4	18.9	18.7	19.2	19.5
	3H	18.4	18.9	18.8	19.2	19.6	18.5	18.9	18.8	19.3	19.6
	4H	18.5	18.9	18.9	19.2	19.6	18.5	18.9	18.9	19.2	19.6
	6H	18.5	18.9	18.9	19.3	19.7	18.4	18.8	18.9	19.2	19.6
	8H	18.5	18.9	19.0	19.3	19.7	18.4	18.7	18.8	19.2	19.6
	12H	18.5	18.9	19.0	19.3	19.7	18.4	18.7	18.8	19.1	19.6
8H	4H	18.4	18.7	18.8	19.2	19.6	18.5	18.9	19.0	19.3	19.7
	6H	18.5	18.8	19.0	19.2	19.7	18.6	18.8	19.0	19.3	19.8
	8H	18.6	18.8	19.1	19.3	19.8	18.6	18.8	19.1	19.3	19.8
	12H	18.6	18.8	19.1	19.3	19.8	18.6	18.8	19.1	19.3	19.8
12H	4H	18.4	18.7	18.8	19.1	19.6	18.5	18.9	19.0	19.3	19.7
	6H	18.5	18.7	19.0	19.2	19.7	18.6	18.8	19.1	19.3	19.8
	8H	18.6	18.8	19.1	19.3	19.8	18.6	18.8	19.1	19.3	19.8

Variations with the observer position at spacing:

S =	1.0H	1.5 / -1.5	1.5 / -1.5
	1.5H	3.1 / -3.4	3.1 / -3.4
	2.0H	4.9 / -4.6	4.9 / -4.6