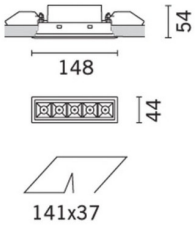
Laser Blade

Design iGuzzini **iGuzzini**

Last information update: April 2024

Product configuration: Q936
Q936: Frame recessed luminaire - 5 cells - General Lighting Pro - DALI



Product code
Q936: 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.

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

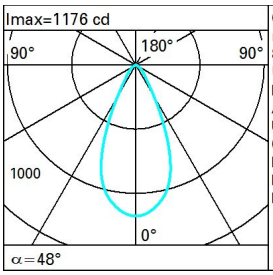
IP20 IP23

Technical data

lm system:	825
W system:	13
lm source:	1100
W source:	9.9
Luminous efficiency (lm/W, real value):	63.5
lm in emergency mode:	-
Total light flux at or above an angle of 90° [Lm]:	0
Light Output Ratio (L.O.R.) [%]:	75
CRI (minimum):	90
CRI (typical):	92
Colour temperature [K]:	3000
MacAdam Step:	3

Life Time LED 1:	> 50,000h - L90 - B10 (Ta 25°C)
Lamp code:	LED
Number of lamps for optical assembly:	1
ZVEI Code:	LED
Number of optical assemblies:	1
Power factor:	See installation instructions
Inrush current:	20 A / 50 µs
Maximum number of luminaires of this type per miniature circuit breaker:	B10A: 50 luminaires B16A: 80 luminaires C10A: 83 luminaires C16A: 136 luminaires
Minimum dimming %:	1
Overvoltage protection:	2kV Common mode & 2kV Differential mode
Control:	DALI-2

Polar



CIE
nL 0.75
88-98-100-100-75
UGR 19.1-19.0
DIN
A.61
UTE
0.75A+0.00T
F"1=881
F"1+F"2=980
F"1+F"2+F"3=996

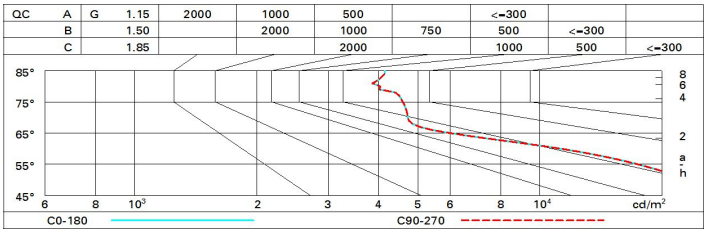
Lux

h	d	Em	Emax
1	0.9	911	1176
2	1.8	228	294
3	2.7	101	131
4	3.6	57	73

Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	64	59	56	54	58	56	55	52	70
1.0	67	63	60	58	62	60	59	56	75
1.5	72	69	66	64	68	66	65	62	83
2.0	75	72	70	69	71	70	69	66	88
2.5	76	74	73	72	73	72	71	69	92
3.0	77	76	75	74	75	74	73	71	94
4.0	79	77	77	76	76	75	74	72	96
5.0	79	78	78	77	77	76	75	73	97

Luminance curve limit



UGR diagram

Corrected UGR values (at 1100 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 crosswise					viewed endwise		
x	y										
2H	2H	18.9	19.6	19.2	19.8	20.1	18.9	19.6	19.2	19.8	20.1
	3H	18.9	19.5	19.3	19.8	20.1	19.0	19.6	19.3	19.8	20.1
	4H	19.0	19.5	19.3	19.8	20.1	18.9	19.5	19.3	19.8	20.1
	6H	18.9	19.5	19.3	19.8	20.1	18.9	19.4	19.2	19.7	20.0
	8H	18.9	19.5	19.3	19.8	20.1	18.8	19.3	19.2	19.7	20.0
	12H	18.9	19.4	19.3	19.8	20.1	18.8	19.3	19.2	19.6	20.0
4H	2H	18.9	19.5	19.3	19.8	20.1	19.0	19.5	19.3	19.8	20.1
	3H	19.0	19.5	19.4	19.8	20.2	19.0	19.5	19.4	19.9	20.2
	4H	19.0	19.5	19.4	19.8	20.2	19.0	19.5	19.4	19.8	20.2
	6H	19.1	19.4	19.5	19.8	20.3	19.0	19.4	19.4	19.8	20.2
	8H	19.1	19.4	19.5	19.8	20.3	19.0	19.3	19.4	19.7	20.2
	12H	19.1	19.4	19.5	19.8	20.3	18.9	19.2	19.4	19.7	20.1
8H	4H	19.0	19.3	19.4	19.7	20.2	19.1	19.4	19.5	19.8	20.3
	6H	19.1	19.3	19.5	19.8	20.3	19.1	19.4	19.6	19.8	20.3
	8H	19.1	19.3	19.6	19.8	20.3	19.1	19.3	19.6	19.8	20.3
	12H	19.1	19.3	19.6	19.8	20.3	19.1	19.3	19.6	19.8	20.3
12H	4H	18.9	19.2	19.4	19.7	20.1	19.1	19.4	19.5	19.8	20.3
	6H	19.0	19.3	19.5	19.7	20.2	19.1	19.3	19.6	19.8	20.3
	8H	19.1	19.3	19.6	19.8	20.3	19.1	19.3	19.6	19.8	20.3

Variations with the observer position at spacing:

S =			
	1.0H	1.4 / -1.5	1.4 / -1.5
	1.5H	3.1 / -3.7	3.1 / -3.7
	2.0H	4.8 / -4.9	4.8 / -4.9