

## Laser Blade

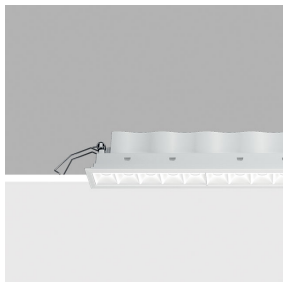
Design iGuzzini

iGuzzini

Last information update: May 2024

### Product configuration: Q943

Q943: Frame recessed luminaire - 15 cells - General Lighting Pro - DALI



### Product code

Q943: Frame recessed luminaire - 15 cells - General Lighting Pro - DALI

### Technical description

Rectangular recessed luminaire with 15 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 406.

### Colour

White (01)

### Weight (Kg)

0.86

### Mounting

wall recessed/ceiling recessed

### Wiring

On control gear box with quick-coupling connections.

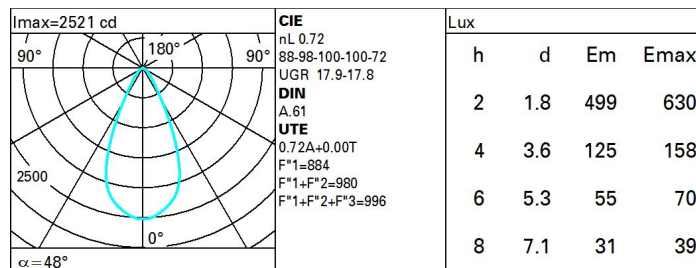
Complies with EN60598-1 and pertinent regulations



### Technical data

Im system:	1836	Life Time LED 1:	50,000h - L90 - B10 (Ta 25°C)
W system:	35	Lamp code:	LED
Im source:	2550	Number of lamps for optical assembly:	1
W source:	31	ZVEI Code:	LED
Luminous efficiency (Im/W, real value):	52.5	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:	5.5 A / 55 µs
Light Output Ratio (L.O.R.) [%]:	72	Maximum number of luminaires of this type per miniature circuit breaker:	B10A: 20 luminaires B16A: 32 luminaires C10A: 33 luminaires C16A: 54 luminaires
CRI (minimum):	95	Minimum dimming %:	1
CRI (typical):	97	Overvoltage protection:	2kV Common mode & 1kV Differential mode
Colour temperature [K]:	2700	Control:	DALI-2
MacAdam Step:	3		

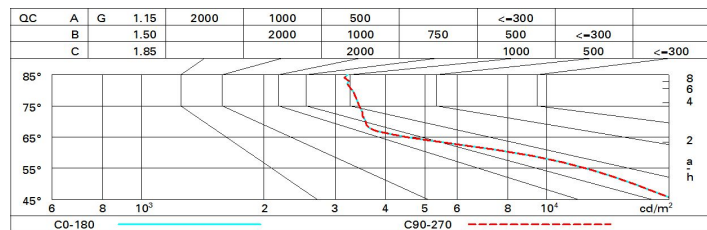
### Polar



# 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



# UGR diagram

Corrected UGR values (at 2550 lm bare lamp luminous flux)											
Reflect.: ceiling/cav walls work pl. Room dim x y		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
		viewed crosswise					viewed endwise				
2H	2H	17.7	18.4	18.0	18.6	18.8	17.7	18.4	18.0	18.6	18.8
	3H	17.7	18.3	18.0	18.6	18.9	17.7	18.4	18.1	18.6	18.9
	4H	17.7	18.3	18.1	18.6	18.9	17.7	18.3	18.0	18.6	18.9
	6H	17.8	18.3	18.1	18.6	18.9	17.6	18.2	18.0	18.5	18.8
	8H	17.8	18.3	18.1	18.6	18.9	17.6	18.1	18.0	18.4	18.8
	12H	17.8	18.2	18.1	18.6	18.9	17.6	18.1	17.9	18.4	18.7
4H	2H	17.7	18.3	18.0	18.6	18.9	17.7	18.3	18.1	18.6	18.9
	3H	17.8	18.3	18.2	18.6	19.0	17.9	18.3	18.2	18.7	19.0
	4H	17.8	18.3	18.2	18.6	19.0	17.8	18.3	18.2	18.6	19.0
	6H	17.9	18.3	18.3	18.7	19.1	17.8	18.2	18.2	18.6	19.0
	8H	17.9	18.3	18.4	18.7	19.1	17.8	18.1	18.2	18.6	19.0
	12H	17.9	18.2	18.4	18.7	19.1	17.8	18.1	18.2	18.5	19.0
8H	4H	17.8	18.1	18.2	18.6	19.0	17.9	18.3	18.4	18.7	19.1
	6H	17.9	18.2	18.4	18.6	19.1	18.0	18.2	18.4	18.7	19.2
	8H	18.0	18.2	18.4	18.7	19.2	18.0	18.2	18.4	18.7	19.2
	12H	18.0	18.2	18.5	18.7	19.2	18.0	18.2	18.5	18.6	19.2
12H	4H	17.8	18.1	18.2	18.5	19.0	17.9	18.2	18.4	18.7	19.1
	6H	17.9	18.1	18.4	18.6	19.1	18.0	18.2	18.5	18.7	19.2
	8H	18.0	18.2	18.5	18.6	19.2	18.0	18.2	18.5	18.7	19.2
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				