

## Laser Blade L

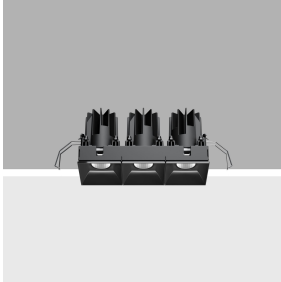
Design iGuzzini

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Last information update: October 2024

### Product configuration: QK15.04

QK15.04: Minimal 3 cells - Wide Flood beam - LED - Black



### Product code

QK15.04: Minimal 3 cells - Wide Flood beam - LED - Black

### Technical description

Fixed optic, three compartment recessed luminaire for a high efficiency LED lamps. Passive heat dissipation system. Lamp body with die-cast aluminium radiant surface, flush with ceiling version (frameless). For recessed installation in a false ceiling a specific adapter is required that is available with a separate item code. Metallised, thermoplastic, high definition optics, integrated in a rear position in the anti-glare screens. Glass cover for LED lamp. The structure of the optic system produces controlled luminance emission to guarantee high visual comfort. Supplied with a dimmable DALI electronic ballast connected to the luminaire.

### Installation

The luminaire is recessed in the specific adapter (QK51) by means of a steel wire spring, previously installed on the ceiling that can be between 12.5 and 25 mm thick. Installation possible in a horizontal or vertical position.

### Weight (Kg)

1.24

### Mounting

wall recessed|ceiling recessed

### Wiring

Quick-coupling connections on the ballast unit. Digital electronic cabling that allows dimming to be performed with DALI protocol or a pushbutton switch (read the indications on the instruction sheet carefully).

### Notes

The product with its white finish (01) includes an optic ring for limiting luminance; a feature that renders optimal performance and determines slight variations in the opening of the optic and yield.

Complies with EN60598-1 and pertinent regulations



### Technical data

Im system:	2581	Voltage [Vin]:	230
W system:	28.4	Lamp code:	LED
Im source:	3150	Number of lamps for optical assembly:	1
W source:	25	ZVEI Code:	LED
Luminous efficiency (Im/W, real value):	90.9	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:	10 A / 200 µs
Light Output Ratio (L.O.R.) [%]:	82	Maximum number of luminaires of this type per miniature circuit breaker:	B10A: 18 luminaires B16A: 30 luminaires C10A: 31 luminaires C16A: 51 luminaires
Beam angle [°]:	54°	Minimum dimming %:	1
CRI (minimum):	90	Overvoltage protection:	5kV Common mode & 4kV Differential mode
Colour temperature [K]:	2700	Dimming mode:	CCR
MacAdam Step:	2	Control:	DALI
Life Time LED 1:	> 50,000h - L90 - B10 (Ta 25°C)		

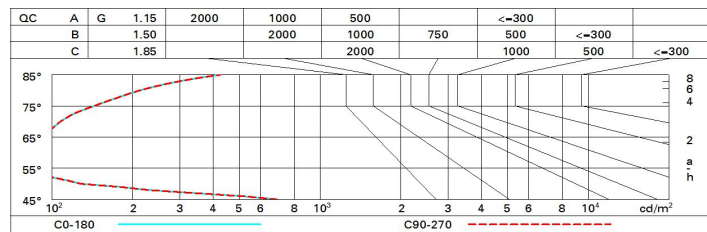
### Polar

 Imax=3696 cd  90° 180° 90°  4000  0°  α=54°	<b>CIE</b> nL 0.82 100-100-100-100-82 UGR 11.3-11.3 <b>DIN</b> A.61 <b>UTE</b> 0.82A+0.00T F*1=997 F*1+F*2=999 F*1+F*2+F*3=1000 <b>CIBSE</b> LG3 L<1500 cd/m² at 65° UGR<16   L<1500 cd/mq @65°				<b>Lux</b>			
	h	d	Em	Emax				
	2	2	738	924				
	4	4.1	184	231				
	6	6.1	82	103				
	8	8.2	46	58				

# Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	74	70	68	65	69	67	67	64	78
1.0	77	74	71	69	73	71	70	68	83
1.5	81	78	76	75	77	76	75	73	89
2.0	83	82	80	79	81	79	78	76	93
2.5	85	84	83	82	82	81	81	78	96
3.0	86	85	84	84	84	83	82	80	98
4.0	87	86	86	85	85	85	83	81	99
5.0	88	87	87	86	86	85	84	82	100

# Luminance curve limit



# UGR diagram

Corrected UGR values (at 3150 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	11.8	12.3	12.1	12.5	12.7	11.8	12.3	12.1	12.5	12.7
	3H	11.7	12.1	12.0	12.4	12.6	11.7	12.1	12.0	12.4	12.6
	4H	11.6	12.0	12.0	12.3	12.6	11.6	12.0	12.0	12.3	12.6
	6H	11.6	11.9	11.9	12.2	12.5	11.6	11.9	11.9	12.2	12.5
	8H	11.5	11.9	11.9	12.2	12.5	11.5	11.9	11.9	12.2	12.5
	12H	11.5	11.8	11.9	12.1	12.5	11.5	11.8	11.9	12.1	12.5
4H	2H	11.6	12.0	12.0	12.3	12.6	11.6	12.0	12.0	12.3	12.6
	3H	11.5	11.8	11.9	12.1	12.5	11.5	11.8	11.9	12.1	12.5
	4H	11.4	11.7	11.8	12.0	12.4	11.4	11.7	11.8	12.0	12.4
	6H	11.3	11.6	11.7	12.0	12.4	11.3	11.6	11.7	12.0	12.4
	8H	11.3	11.5	11.7	11.9	12.3	11.3	11.5	11.7	11.9	12.3
	12H	11.2	11.4	11.7	11.9	12.3	11.2	11.4	11.7	11.8	12.3
8H	4H	11.3	11.5	11.7	11.9	12.3	11.3	11.5	11.7	11.9	12.3
	6H	11.2	11.4	11.6	11.8	12.3	11.2	11.4	11.6	11.8	12.3
	8H	11.1	11.3	11.6	11.7	12.2	11.1	11.3	11.6	11.7	12.2
	12H	11.1	11.2	11.6	11.7	12.2	11.1	11.2	11.6	11.7	12.2
12H	4H	11.2	11.4	11.7	11.8	12.3	11.2	11.4	11.7	11.9	12.3
	6H	11.1	11.3	11.6	11.7	12.2	11.1	11.3	11.6	11.7	12.2
	8H	11.1	11.2	11.6	11.7	12.2	11.1	11.2	11.6	11.7	12.2
Variations with the observer position at spacing:											
S =		1.0H	6.5 / -17.3				6.5 / -17.3				
		1.5H	9.3 / -17.4				9.3 / -17.4				
		2.0H	11.3 / -17.6				11.3 / -17.6				