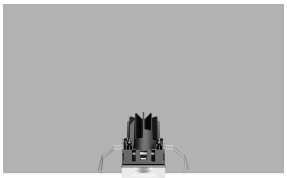
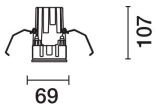
Laser Blade L

Design iGuzzini **iGuzzini**

Last information update: December 2025

Product configuration: QK02.01
QK02.01: Minimal 1 cell - Medium beam - LED - White





Product code
QK02.01: Minimal 1 cell - Medium beam - LED - White

Technical description
Fixed optic, recessed luminaire for high efficiency, LED lamp. 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 optic, integrated in a rear position in the anti-glare screen. 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 (QK49) 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.

Colour	**Weight (Kg)**
White (01)	0.48

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.

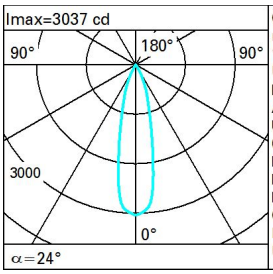
Complies with EN60598-1 and pertinent regulations

IP20 IP44 On the visible part of the product once installed

Technical data

lm system:	759	Colour temperature [K]:	3000
W system:	10.6	MacAdam Step:	2
lm source:	1150	Life Time LED 1:	> 50,000h - L90 - B10 (Ta 25°C)
W source:	8.3	Voltage [Vin]:	230
Luminous efficiency (lm/W, real value):	71.6	Lamp code:	LED
lm in emergency mode:	-	Number of lamps for optical assembly:	1
Total light flux at or above an angle of 90° [Lm]:	0	ZVEI Code:	LED
Light Output Ratio (L.O.R.) [%]:	66	Number of optical assemblies:	1
Beam angle [°]:	24°	Control:	DALI-2
CRI (minimum):	90		

Polar



CIE
nL 0.66
100-100-100-100-66
UGR <10-<10
DIN
A.61
UTE
0.66A+0.00T
F"1=998
F"1+F"2=999
F"1+F"2+F"3=1000
CIBSE
LG3 L<1500 cd/m² at 65°
UGR<10 | L<1500 cd/mq @65°

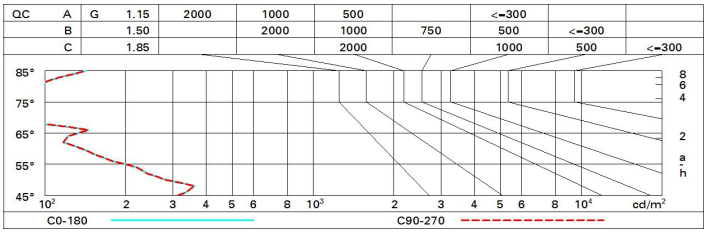
Lux

h	d	Em	Emax
2	0.9	626	759
4	1.7	156	190
6	2.6	70	84
8	3.4	39	47

Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	60	57	54	53	56	54	54	52	78
1.0	62	59	57	56	59	57	57	55	83
1.5	65	63	62	60	62	61	60	58	89
2.0	67	66	65	64	65	64	63	61	93
2.5	68	67	66	66	66	66	65	63	96
3.0	69	69	68	67	67	67	66	64	98
4.0	70	70	69	69	68	68	67	66	99
5.0	71	70	70	70	69	69	68	66	100

Luminance curve limit



UGR diagram

Corrected UGR values (at 1150 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	3.6	5.7	3.9	6.0	6.3	3.6	5.7	3.9	6.0	6.3
	3H	3.4	5.1	3.8	5.4	5.7	3.4	5.1	3.8	5.4	5.7
	4H	3.4	4.8	3.7	5.1	5.4	3.4	4.7	3.7	5.1	5.4
	6H	3.3	4.4	3.7	4.8	5.1	3.3	4.4	3.7	4.8	5.1
	8H	3.3	4.4	3.7	4.7	5.1	3.3	4.4	3.7	4.7	5.1
	12H	3.2	4.3	3.6	4.7	5.1	3.2	4.3	3.6	4.7	5.0
4H	2H	3.4	4.7	3.7	5.1	5.4	3.4	4.8	3.7	5.1	5.4
	3H	3.2	4.3	3.6	4.7	5.0	3.2	4.3	3.6	4.7	5.0
	4H	3.1	4.1	3.5	4.5	4.9	3.1	4.1	3.5	4.5	4.9
	6H	2.8	4.4	3.2	4.9	5.3	2.8	4.4	3.2	4.9	5.3
	8H	2.6	4.5	3.1	5.0	5.5	2.6	4.5	3.1	5.0	5.5
	12H	2.5	4.5	3.0	5.0	5.5	2.5	4.5	3.0	5.0	5.5
8H	4H	2.6	4.5	3.1	5.0	5.5	2.6	4.5	3.1	5.0	5.5
	6H	2.5	4.3	3.0	4.8	5.3	2.5	4.3	3.0	4.8	5.3
	8H	2.5	4.1	3.0	4.6	5.1	2.5	4.1	3.0	4.6	5.1
	12H	2.7	3.7	3.2	4.2	4.7	2.7	3.7	3.2	4.2	4.7
12H	4H	2.5	4.5	3.0	5.0	5.5	2.5	4.5	3.0	5.0	5.5
	6H	2.5	4.1	3.0	4.6	5.1	2.5	4.1	3.0	4.6	5.1
	8H	2.7	3.7	3.2	4.2	4.7	2.7	3.7	3.2	4.2	4.7

Variations with the observer position at spacing:

S =			
	1.0H	6.7 / -13.0	6.7 / -13.0
	1.5H	9.5 / -14.0	9.5 / -14.0
	2.0H	11.5 / -14.4	11.5 / -14.4