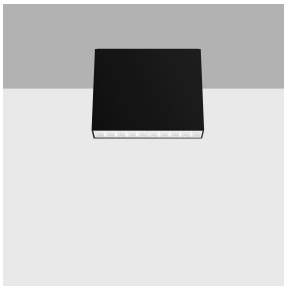
Laser Blade XS

Design iGuzzini **iGuzzini**

Last information update: October 2024

Product configuration: QI73
QI73: Ceiling-mounted linear GL Pro - 10 cells



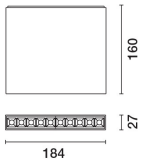
Product code
QI73: Ceiling-mounted linear GL Pro - 10 cells

Technical description
Ceiling-mounted luminaire with 10 optical elements for LED lamps - fixed optics with metallised thermoplastic high definition Opti-Beam reflectors. Despite the ultracompact size of the product, the patented technology of the optic system guarantees an efficient luminous flux optimised by a special diffuser screen that reduces direct glare significantly. Extruded aluminium main body and technical dissipation unit - shaped steel fixing plate. DALI dimmable electronic driver integrated in luminaire body.

Installation
Ceiling-mounted with surface fixing plate (screws and screw anchors not included) - external locking system.

Colour
White (01) | Black/white (F2)

Weight (Kg)
0.69



Mounting
ceiling surface

Wiring
Cables supplied with quick-coupling terminals for connecting to power supply line.

Complies with EN60598-1 and pertinent regulations

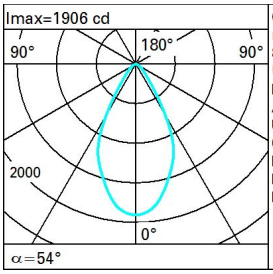
IP20

Technical data

lm system:	1587
W system:	22.8
lm source:	2300
W source:	20
Luminous efficiency (lm/W, real value):	69.6
lm in emergency mode:	-
Total light flux at or above an angle of 90° [Lm]:	0
Light Output Ratio (L.O.R.) [%]:	69
CRI (minimum):	90
Colour temperature [K]:	4000
MacAdam Step:	2
Life Time LED 1:	> 50,000h - L80 - B10 (Ta 25°C)

Voltage [Vin]:	230
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:	5 A / 50 µs
Maximum number of luminaires of this type per miniature circuit breaker:	B10A: 31 luminaires B16A: 50 luminaires C10A: 52 luminaires C16A: 85 luminaires
Minimum dimming %:	1
Overvoltage protection:	4kV Common mode & 2kV Differential mode
Control:	DALI-2

Polar



CIE
nL 0.69
88-98-100-100-69
UGR 22.6-22.6
DIN
A.61
UTE
0.69A+0.00T
F"1=877
F"1+F"2=981
F"1+F"2+F"3=997

Lux

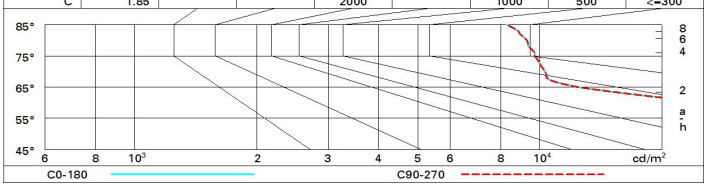
h	d	Em	Emax
2	2	353	476
4	4.1	88	119
6	6.1	39	53
8	8.2	22	30

Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	58	54	51	49	54	51	51	48	69
1.0	62	58	55	53	57	55	54	52	75
1.5	66	63	61	59	62	60	60	57	83
2.0	69	66	65	63	65	64	63	61	88
2.5	70	68	67	66	67	66	65	63	92
3.0	71	70	69	68	69	68	67	65	94
4.0	72	71	70	70	70	69	68	66	96
5.0	73	72	71	71	71	70	69	67	97

Luminance curve limit

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



UGR diagram

Corrected UGR values (at 2300 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	22.7	23.3	23.0	23.5	23.8	22.7	23.3	23.0	23.5	23.8
	3H	22.7	23.2	23.0	23.5	23.8	22.7	23.3	23.0	23.5	23.8
	4H	22.6	23.2	23.0	23.5	23.8	22.6	23.2	23.0	23.5	23.8
	6H	22.6	23.1	23.0	23.4	23.8	22.6	23.1	22.9	23.4	23.7
	8H	22.6	23.1	23.0	23.4	23.7	22.5	23.0	22.9	23.3	23.7
	12H	22.6	23.0	23.0	23.4	23.7	22.5	22.9	22.9	23.3	23.6
4H	2H	22.6	23.2	23.0	23.5	23.8	22.6	23.2	23.0	23.5	23.8
	3H	22.6	23.1	23.0	23.4	23.8	22.7	23.1	23.0	23.5	23.8
	4H	22.6	23.0	23.0	23.4	23.8	22.6	23.0	23.0	23.4	23.8
	6H	22.6	23.0	23.1	23.4	23.8	22.6	22.9	23.0	23.3	23.8
	8H	22.6	23.0	23.1	23.4	23.8	22.6	22.9	23.0	23.3	23.7
	12H	22.6	22.9	23.1	23.3	23.8	22.5	22.8	23.0	23.2	23.7
8H	4H	22.6	22.9	23.0	23.3	23.7	22.6	23.0	23.1	23.4	23.8
	6H	22.6	22.9	23.1	23.3	23.8	22.6	22.9	23.1	23.3	23.8
	8H	22.6	22.8	23.1	23.3	23.8	22.6	22.8	23.1	23.3	23.8
	12H	22.6	22.8	23.1	23.3	23.8	22.6	22.8	23.1	23.3	23.8
12H	4H	22.5	22.8	23.0	23.2	23.7	22.6	22.9	23.1	23.3	23.8
	6H	22.6	22.8	23.0	23.3	23.8	22.6	22.8	23.1	23.3	23.8
	8H	22.6	22.8	23.1	23.3	23.8	22.6	22.8	23.1	23.3	23.8

Variations with the observer position at spacing:

S =			
	1.0H	2.4 / -2.2	2.4 / -2.2
	1.5H	4.5 / -4.7	4.5 / -4.7
	2.0H	6.3 / -6.0	6.3 / -6.0