Laser Blade XS

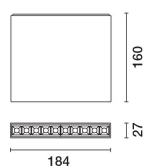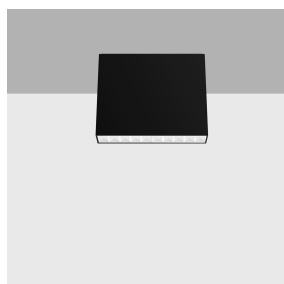**Design iGuzzini**   **iGuzzini**

Last information update: June 2025

Product configuration: QI74
QI74: Ceiling-mounted linear GL Pro - 10 cells

Product code
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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   CE   S&E   CCC S&E   [S]   EHC   QCERT   NOM   [W]   [S]

Technical data

lm system:	1311	Voltage [Vin]:	230
W system:	22.8	Lamp code:	LED
lm source:	1900	Number of lamps for optical assembly:	1
W source:	20		
Luminous efficiency (lm/W, real value):	57.5	ZVEI Code:	LED
lm in emergency mode:	-	Number of optical assemblies:	1
Total light flux at or above an angle of 90° [Lm]:	0	Power factor:	See installation instructions
		Inrush current:	5 A / 50 µs
Light Output Ratio (L.O.R.) [%]:	69	Maximum number of luminaires of this type per miniature circuit breaker:	B10A: 31 luminaires
CRI (minimum):	90		B16A: 50 luminaires
Colour temperature [K]:	3000		C10A: 52 luminaires
MacAdam Step:	2		C16A: 85 luminaires
Life Time LED 1:	> 50,000h - L80 - B10 (Ta 25°C)	Minimum dimming %:	1
		Overvoltage protection:	4kV Common mode & 2kV Differential mode
		Control:	DALI-2

Polar

Imax=1574 cd

CIE
nL 0.69
88-98-100-100-69
UGR 22.0-21.9
DIN
A.61
UTE
0.69A+0.00T
F"1=877
F"1+F"2=981
F"1+F"2+F"3=997

α=54°

Lux			
h	d	Em	Emax
1	1	1167	1574
2	2	292	394
3	3.1	130	175
4	4.1	73	98

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

C0-180 ——————
C90-270 ------------
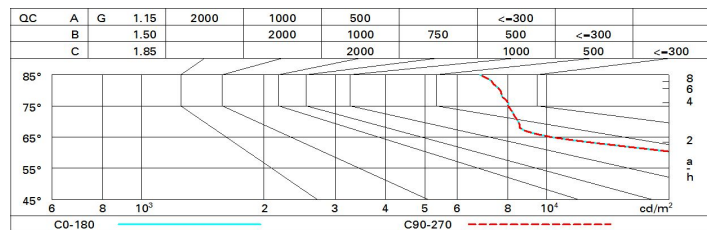
UGR diagram

Corrected UGR values (at 1900 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 x	y	viewed crosswise					viewed endwise				
2H	2H	22.0	22.6	22.3	22.9	23.1	22.0	22.6	22.3	22.9	23.1
	3H	22.0	22.6	22.3	22.8	23.1	22.0	22.6	22.3	22.9	23.1
	4H	22.0	22.5	22.3	22.8	23.1	22.0	22.5	22.3	22.8	23.1
	6H	21.9	22.4	22.3	22.8	23.1	21.9	22.4	22.2	22.7	23.0
	8H	21.9	22.4	22.3	22.7	23.1	21.9	22.3	22.2	22.7	23.0
	12H	21.9	22.4	22.3	22.7	23.1	21.8	22.3	22.2	22.6	23.0
4H	2H	22.0	22.5	22.3	22.8	23.1	22.0	22.5	22.3	22.8	23.1
	3H	22.0	22.4	22.3	22.8	23.1	22.0	22.5	22.4	22.8	23.2
	4H	22.0	22.4	22.4	22.7	23.1	22.0	22.4	22.4	22.7	23.1
	6H	22.0	22.3	22.4	22.7	23.1	21.9	22.3	22.3	22.7	23.1
	8H	22.0	22.3	22.4	22.7	23.1	21.9	22.2	22.3	22.6	23.1
	12H	22.0	22.3	22.4	22.7	23.1	21.8	22.1	22.3	22.6	23.0
8H	4H	21.9	22.2	22.3	22.6	23.1	22.0	22.3	22.4	22.7	23.1
	6H	21.9	22.2	22.4	22.6	23.1	22.0	22.2	22.4	22.7	23.1
	8H	21.9	22.2	22.4	22.6	23.1	21.9	22.2	22.4	22.6	23.1
	12H	21.9	22.1	22.4	22.6	23.1	21.9	22.1	22.4	22.6	23.1
12H	4H	21.8	22.1	22.3	22.6	23.0	22.0	22.3	22.4	22.7	23.1
	6H	21.9	22.1	22.4	22.6	23.1	21.9	22.2	22.4	22.6	23.1
	8H	21.9	22.1	22.4	22.6	23.1	21.9	22.1	22.4	22.6	23.1

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