Laser Blade XS

Design iGuzzini **iGuzzini**

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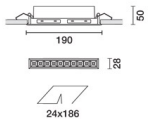


Frame 10 cells - Wide Flood beam - Tunable White - LED

Product code
Q785

Technical description
Linear 10 optic element recessed miniaturised luminaire. Using LED lamps with a high colour rendering index and a different colour temperature allows dynamic light modulation to be obtained. The variation is achieved by mixing an emission of 5 x 2700K LEDs and 5 x 5700K LEDs. The colour temperature remains constant and uniform even when products of different sizes with different numbers of warm and cold LEDs are used. Main body with die-cast aluminium radiant surface, version with perimeter surface frame. Metallised, thermoplastic, high definition Opti Beam reflectors, integrated in a set-back position in the anti-glare screen. The product is designed to be used together with codes 6170 + M630 to obtain a solution suitable for small to medium systems that can be programmed with a DALI protocol via a simple and intuitive user touch-panel. Other management systems are also available with a separate code for larger systems that require the intervention of a specialised technician to programme them: the MH97 + MH93 + MI02 group offers a DALI / KNX programmable solution, and the MH97 + MH93 + M618 group allows the system management to be extended to remote devices like tablet and smartphones too.

Installation
Recessed with steel wire springs for false ceilings from 1 to 25 mm thick - preparation hole 24 x 186.

Dimension (mm)
190x28x50

Colour
White (01) | White/Brass (41) | Black/Black (43) | Black/White (47) | Grey/Black (74) | (E7)

Weight (Kg)
0.68

Mounting
wall recessed|ceiling recessed

Wiring
DALI control gear units included. Different management systems are available with a separate code. For technical details, properties and connection procedures see the instruction sheet.

Complies with EN60598-1 and pertinent regulations

IP20

Product configuration: Q785

Product characteristics

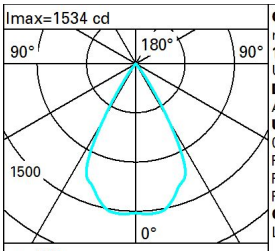
Total lighting output [Lm]: 1204	Total luminous flux at or above an angle of 90° [Lm]: 0
Total power [W]: 21.3	Emergency luminous flux [Lm]: /
Luminous efficacy [Lm/W]: 56.5	Voltage [V]: -
Life Time: > 50,000h - L80 - B10 (Ta 25°C)	Number of optical assemblies: 1

Optical assembly Characteristics Type 1

Light Output Ratio (L.O.R.) [%]: 83	Number of lamps for optical assembly: 1
Lamp code: LED	Socket: /
ZVEI Code: LED	Ballast losses [W]: 4.3
Nominal power [W]: 17	Colour temperature [K]: /
Nominal luminous [Lm]: 1450	CRI: /
Lamp maximum intensity [cd]: /	Wavelength [Nm]: /
Beam angle [°]: 58°	MacAdam Step: /

Polar

Imax=1534 cd



α = 58°

CIE
nL 0.83
100-100-100-100-83
UGR 15.6-15.6
DIN
A.61
UTE
0.83A+0.00T
F"1=996
F"1+F"2=1000
F"1+F"2+F"3=1000
CIBSE
LG3 L<500 cd/m² at 65°

Lux

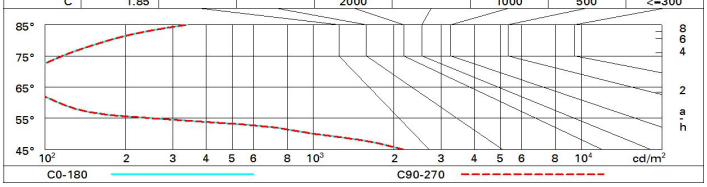
h	d	Em	Emax
1	1.1	1219	1521
2	2.2	305	380
3	3.3	135	169
4	4.4	76	95

Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	75	71	68	66	70	68	68	65	78
1.0	78	75	72	70	74	72	71	69	83
1.5	82	79	77	76	78	77	76	73	89
2.0	85	83	81	80	82	80	79	77	93
2.5	86	85	84	83	84	83	82	79	96
3.0	87	86	85	85	85	84	83	81	98
4.0	88	87	87	86	86	86	84	82	99
5.0	89	88	88	88	87	86	85	83	100

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 1450 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					viewed		
x	y			crosswise					endwise		
2H	2H	16.1	16.6	16.4	16.8	17.1	16.1	16.6	16.4	16.8	17.1
	3H	16.0	16.4	16.3	16.7	17.0	16.0	16.4	16.3	16.7	17.0
	4H	15.9	16.3	16.3	16.6	16.9	15.9	16.3	16.3	16.6	16.9
	6H	15.9	16.2	16.2	16.5	16.9	15.9	16.2	16.2	16.5	16.9
	8H	15.8	16.2	16.2	16.5	16.8	15.8	16.2	16.2	16.5	16.8
	12H	15.8	16.1	16.2	16.5	16.8	15.8	16.1	16.2	16.5	16.8
4H	2H	15.9	16.3	16.3	16.6	16.9	15.9	16.3	16.3	16.6	16.9
	3H	15.8	16.1	16.2	16.5	16.8	15.8	16.1	16.2	16.5	16.8
	4H	15.7	16.0	16.1	16.4	16.7	15.7	16.0	16.1	16.4	16.7
	6H	15.6	15.9	16.0	16.3	16.7	15.6	15.9	16.0	16.3	16.7
	8H	15.6	15.8	16.0	16.2	16.6	15.6	15.8	16.0	16.2	16.6
	12H	15.5	15.7	16.0	16.2	16.6	15.5	15.7	16.0	16.1	16.6
8H	4H	15.6	15.8	16.0	16.2	16.6	15.6	15.8	16.0	16.2	16.6
	6H	15.5	15.7	15.9	16.1	16.6	15.5	15.7	15.9	16.1	16.6
	8H	15.4	15.6	15.9	16.0	16.5	15.4	15.6	15.9	16.0	16.5
	12H	15.3	15.5	15.8	16.0	16.5	15.3	15.5	15.8	16.0	16.5
12H	4H	15.5	15.7	16.0	16.1	16.6	15.5	15.7	16.0	16.2	16.6
	6H	15.4	15.6	15.9	16.0	16.5	15.4	15.6	15.9	16.0	16.5
	8H	15.3	15.5	15.8	16.0	16.5	15.3	15.5	15.8	16.0	16.5

Variations with the observer position at spacing:

S =	1.0H	6.5 / -24.9	6.5 / -24.9
	1.5H	9.4 / -25.6	9.4 / -25.6
	2.0H	11.4 / -25.8	11.4 / -25.8