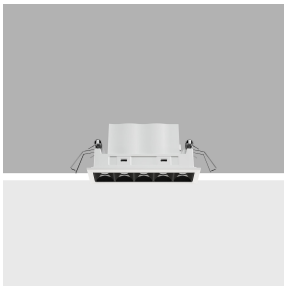
Laser Blade XS

Design iGuzzini **iGuzzini**

Last information update: June 2025

Product configuration: RA70
RA70: Frame 5 cells - Flood beam - LED

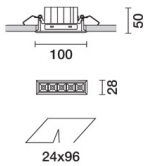


Product code
RA70: Frame 5 cells - Flood beam - LED

Technical description
Linear miniaturised recessed luminaire with 5 optical elements for LED lamps - fixed optics. Despite the ultracompact size of the product, the patented technology of the optic system guarantees an efficient flow and a high level of controlled glare visual comfort. 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. Supplied with a power supply unit connected to the luminaire.

Installation
Recessed with steel wire springs for false ceilings from 1 to 25 mm thick - preparation hole 24 x 96.

Weight (Kg)
0.35



Mounting
wall recessed|ceiling recessed

Wiring
On the power supply unit with terminal board included.

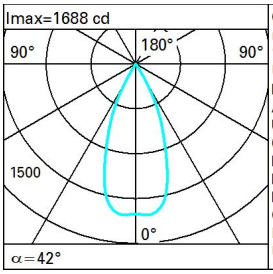
Complies with EN60598-1 and pertinent regulations

IP20 IP23

Technical data

lm system:	822	CRI (minimum):	90
W system:	12.7	Colour temperature [K]:	3500
lm source:	990	MacAdam Step:	2
W source:	9.9	Life Time LED 1:	> 50,000h - L80 - B10 (Ta 25°C)
Luminous efficiency (lm/W, real value):	64.7	Voltage [Vin]:	230
lm in emergency mode:	-	Lamp code:	LED
Total light flux at or above an angle of 90° [Lm]:	0	Number of lamps for optical assembly:	1
Light Output Ratio (L.O.R.) [%]:	83	ZVEI Code:	LED
Beam angle [°]:	43°	Number of optical assemblies:	1

Polar



CIE
nL 0.83
100-100-100-100-83
UGR <10-<10
DIN
A.61
UTE
0.83A+0.00T
F"1=999
F"1+F"2=1000
F"1+F"2+F"3=1000
CIBSE
LG3 L<1500 cd/m² at 65°
UGR<10 I L<1500 cd/mq @65°

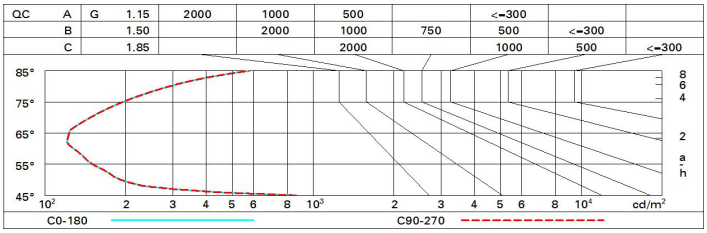
Lux

h	d	Em	Emax
2	1.5	343	419
4	3.1	86	105
6	4.6	38	47
8	6.1	21	26

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	80	77	76	79	77	76	74	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	87	85	83	100

Luminance curve limit



UGR diagram

Corrected UGR values (at 990 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	7.5	8.0	7.8	8.2	8.5	7.5	8.0	7.8	8.2	8.5
	3H	7.4	7.8	7.7	8.1	8.4	7.4	7.8	7.7	8.1	8.4
	4H	7.3	7.7	7.6	8.0	8.3	7.3	7.7	7.6	8.0	8.3
	6H	7.2	7.6	7.6	7.9	8.2	7.2	7.6	7.6	7.9	8.2
	8H	7.2	7.6	7.6	7.9	8.2	7.2	7.6	7.6	7.9	8.2
	12H	7.2	7.5	7.5	7.9	8.2	7.2	7.5	7.5	7.8	8.2
4H	2H	7.3	7.7	7.6	8.0	8.3	7.3	7.7	7.6	8.0	8.3
	3H	7.2	7.5	7.5	7.8	8.2	7.2	7.5	7.5	7.8	8.2
	4H	7.1	7.4	7.5	7.7	8.1	7.1	7.4	7.5	7.7	8.1
	6H	7.0	7.3	7.4	7.7	8.1	7.0	7.3	7.4	7.7	8.1
	8H	7.0	7.2	7.4	7.6	8.0	6.9	7.2	7.4	7.6	8.0
	12H	6.9	7.1	7.4	7.6	8.0	6.9	7.1	7.3	7.5	8.0
8H	4H	6.9	7.2	7.4	7.6	8.0	7.0	7.2	7.4	7.6	8.0
	6H	6.9	7.1	7.3	7.5	8.0	6.9	7.1	7.3	7.5	8.0
	8H	6.8	7.0	7.3	7.4	7.9	6.8	7.0	7.3	7.4	7.9
	12H	6.8	6.9	7.3	7.4	7.9	6.8	6.9	7.3	7.4	7.9
12H	4H	6.9	7.1	7.3	7.5	8.0	6.9	7.1	7.4	7.6	8.0
	6H	6.8	7.0	7.3	7.4	7.9	6.8	7.0	7.3	7.5	8.0
	8H	6.8	6.9	7.3	7.4	7.9	6.8	6.9	7.3	7.4	7.9

Variations with the observer position at spacing:

S =			
	1.0H	7.0 / -14.5	7.0 / -14.5
	1.5H	9.8 / -14.7	9.8 / -14.7
	2.0H	11.8 / -14.8	11.8 / -14.8