

## Laser Blade XS

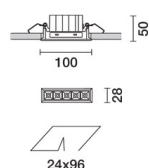
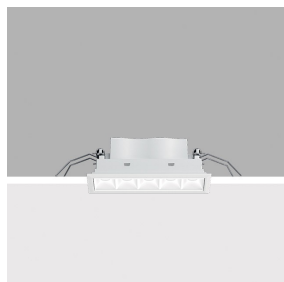
Design iGuzzini

iGuzzini

Last information update: May 2024

### Product configuration: Q945

Q945: Recessed Frame luminaire - 5 cells - General Lighting Pro



### Product code

Q945: Recessed Frame luminaire - 5 cells - General Lighting Pro **Attention! Code no longer in production**

### Technical description

Rectangular recessed miniaturised luminaire with 5 optical elements for LED sources - fixed optics with metallised thermoplastic high definition Opti-Beam reflectors, integrated in a set-back position in the anti-glare screen. Main body with die-cast aluminium radiant surface, version with perimeter surface frame. Despite the ultracompact size of the product, the combination of a total white finish and the patented technology of the optic system guarantees an even and efficient luminous flux optimised by a special diffuser screen that reduces direct glare significantly. Supplied with an electronic power supply connected to the luminaire.

### Installation

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

### Colour

White (01)

### Weight (Kg)

0.35

### Mounting

wall recessed|ceiling recessed

### Wiring

On power supply; terminal block with screw connection included.

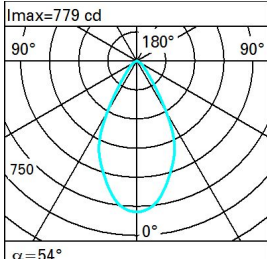
Complies with EN60598-1 and pertinent regulations



### Technical data

lm system:	649	CRI (minimum):	90
W system:	12.4	Colour temperature [K]:	3000
lm source:	940	MacAdam Step:	2
W source:	9.9	Life Time LED 1:	> 50,000h - L80 - B10 (Ta 25°C)
Luminous efficiency (lm/W, real value):	52.3	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.) [%]:	69	Number of optical assemblies:	1

### Polar

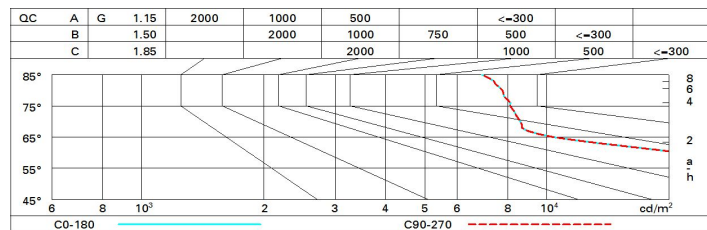
	Lux			
	h	d	Em	E <sub>max</sub>
	1	1	578	779
	2	2	144	195
	3	3.1	64	87
α=54°	4	4.1	36	49

**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

# 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



# UGR diagram

Corrected UGR values (at 940 lm bare lamp luminous flux)											
Reflect.: ceiling/cav walls work pl. Room dim x y		viewed crosswise					viewed endwise				
		0.70	0.70	0.50	0.50	0.30	0.70	0.70	0.50	0.50	0.30
		0.50	0.30	0.50	0.30	0.30	0.50	0.30	0.50	0.30	0.30
		0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
2H	2H	22.1	22.7	22.3	22.9	23.2	22.1	22.7	22.3	22.9	23.2
	3H	22.0	22.6	22.3	22.9	23.1	22.1	22.6	22.4	22.9	23.2
	4H	22.0	22.5	22.3	22.8	23.1	22.0	22.5	22.3	22.8	23.1
	6H	22.0	22.5	22.3	22.8	23.1	21.9	22.4	22.3	22.7	23.1
	8H	22.0	22.5	22.3	22.8	23.1	21.9	22.4	22.3	22.7	23.0
	12H	22.0	22.4	22.3	22.8	23.1	21.9	22.3	22.2	22.7	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	22.5	22.4	22.8	23.2	22.0	22.5	22.4	22.8	23.2
	4H	22.0	22.4	22.4	22.8	23.2	22.0	22.4	22.4	22.8	23.2
	6H	22.0	22.4	22.4	22.8	23.2	22.0	22.3	22.4	22.7	23.1
	8H	22.0	22.3	22.5	22.8	23.2	21.9	22.3	22.4	22.7	23.1
	12H	22.0	22.3	22.5	22.7	23.2	21.9	22.2	22.3	22.6	23.1
8H	4H	21.9	22.3	22.4	22.7	23.1	22.0	22.3	22.5	22.8	23.2
	6H	22.0	22.2	22.4	22.7	23.2	22.0	22.3	22.5	22.7	23.2
	8H	22.0	22.2	22.5	22.7	23.2	22.0	22.2	22.5	22.7	23.2
	12H	22.0	22.2	22.5	22.7	23.2	22.0	22.2	22.5	22.6	23.2
12H	4H	21.9	22.2	22.3	22.6	23.1	22.0	22.3	22.5	22.7	23.2
	6H	21.9	22.2	22.4	22.6	23.1	22.0	22.2	22.5	22.7	23.2
	8H	22.0	22.2	22.5	22.6	23.2	22.0	22.2	22.5	22.7	23.2
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				