

Deep Frame

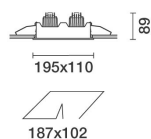
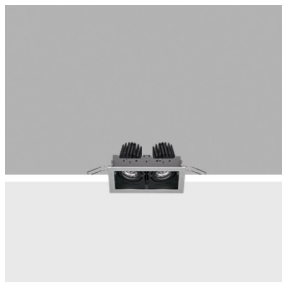
Design iGuzzini

iGuzzini

Last information update: August 2023

Product configuration: P901

P901: Deep Frame - 2 elements - CoB warm LED - flood beam



Product code

P901: Deep Frame - 2 elements - CoB warm LED - flood beam **Attention! Code no longer in production**

Technical description

Two element recessed luminaire for LED lamps. Version with a perimeter frame. Shaped sheet steel structural frame. Die-cast aluminium, twin swivel universal joints located in a position set back from the installation surface to guarantee a high level of visual comfort. Tilts $\pm 30^\circ$ around both the horizontal and vertical axes. Die-cast aluminium lighting bodies designed to optimise heat dispersal. High efficiency aluminium reflectors - flood angle. High color rendering index, warm white LED lamps. Each lamp unit has its own glass cover. The installation system is toolfree. Control gear unit included.

Installation

Recessed in 1 to 30 mm thick false ceilings. Steel wire fixing springs. Preparation hole 102 x 187.

Colour

White (01) | Grey / Black (74)

Weight (Kg)

1.12

Mounting

ceiling recessed

Wiring

Complete with electronic control gear unit connected to the luminaire. Wiring for connecting to mains network on driver terminal board.

Notes

Accessories available: refractor for elliptical flow distribution - interchangeable reflectors.

Complies with EN60598-1 and pertinent regulations



IP20

IP23

On the visible part of the product once installed



Technical data

lm system:	1499	CRI (minimum):	90
W system:	20.3	Colour temperature [K]:	3000
lm source:	950	MacAdam Step:	3
W source:	8.4	Life Time LED 1:	> 50,000h - L80 - B10 (Ta 25°C)
Luminous efficiency (lm/W, real value):	73.8	Ballast losses [W]:	1.8
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.) [%]:	79	ZVEI Code:	LED
Beam angle [°]:	42°	Number of optical assemblies:	2

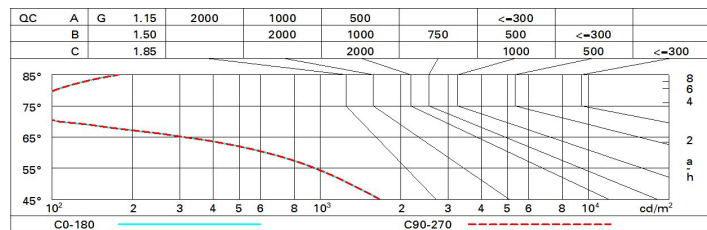
Polar

Imax=1639 cd		CIE		Lux			
90°	180°	nL 0.79	99-100-100-100-79	h	d	Em	Emax
		UGR <10-10	DIN	2	1.5	328	410
		A.61	UTE	4	3.1	82	102
		0.79A+0.00T	F*1=991	6	4.6	36	46
		F*1+F*2=999	F*1+F*2+F*3=1000	8	6.1	21	26
		CIBSE	LG3 L<1500 cd/m² at 65°				
		UGR<10 L<1500 cd/mq @ 65°					
$\alpha = 42^\circ$							

Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	71	67	65	63	67	64	64	61	78
1.0	74	71	68	67	70	68	68	65	82
1.5	78	75	73	72	74	73	72	70	88
2.0	80	78	77	76	77	76	75	73	93
2.5	82	80	79	78	79	78	77	75	95
3.0	83	82	81	80	81	80	79	77	98
4.0	84	83	83	82	82	81	80	78	99
5.0	84	84	83	83	82	82	81	79	100

Luminance curve limit



UGR diagram

Corrected UGR values (at 950 lm bare lamp luminous flux)											
Reflect.: ceiling/cav walls work pl. Room dim x y		viewed crosswise					viewed endwise				
2H	2H	3.3	3.9	3.6	4.1	4.3	3.3	3.9	3.6	4.1	4.3
	3H	3.2	3.7	3.5	4.0	4.3	3.2	3.8	3.6	4.0	4.3
	4H	3.1	3.6	3.5	3.9	4.2	3.2	3.7	3.5	4.0	4.3
	6H	3.1	3.5	3.4	3.8	4.1	3.1	3.5	3.5	3.9	4.2
	8H	3.0	3.5	3.4	3.8	4.1	3.1	3.5	3.4	3.8	4.2
	12H	3.0	3.4	3.4	3.7	4.1	3.0	3.4	3.4	3.8	4.1
4H	2H	3.2	3.7	3.5	4.0	4.3	3.1	3.6	3.5	3.9	4.2
	3H	3.1	3.5	3.4	3.8	4.2	3.1	3.5	3.4	3.8	4.2
	4H	3.0	3.3	3.4	3.7	4.1	3.0	3.3	3.4	3.7	4.1
	6H	2.9	3.2	3.3	3.6	4.0	2.9	3.2	3.3	3.6	4.0
	8H	2.9	3.2	3.3	3.6	4.0	2.9	3.1	3.3	3.6	4.0
	12H	2.8	3.1	3.3	3.5	4.0	2.8	3.1	3.3	3.5	4.0
8H	4H	2.9	3.1	3.3	3.6	4.0	2.9	3.2	3.3	3.6	4.0
	6H	2.8	3.0	3.2	3.5	3.9	2.8	3.0	3.2	3.5	3.9
	8H	2.7	2.9	3.2	3.4	3.9	2.7	2.9	3.2	3.4	3.9
	12H	2.7	2.9	3.2	3.4	3.9	2.7	2.9	3.2	3.3	3.9
12H	4H	2.8	3.1	3.3	3.5	4.0	2.8	3.1	3.3	3.5	4.0
	6H	2.7	2.9	3.2	3.4	3.9	2.7	2.9	3.2	3.4	3.9
	8H	2.7	2.9	3.2	3.3	3.9	2.7	2.9	3.2	3.4	3.9
Variations with the observer position at spacing:											
S =		1.0H					5.3 / -4.9				
		1.5H					8.0 / -7.8				
		2.0H					9.9 / -11.8				