

## Deep Minimal

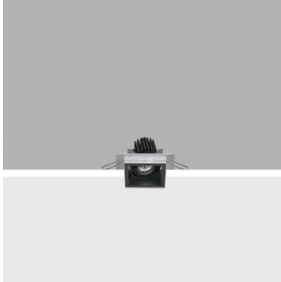
Design iGuzzini

iGuzzini

Last information update: October 2023

### Product configuration: P908

P908: Deep Minimal - 1 element - CoB warm LED - spot beam - dimmable DALI



### Product code

P908: Deep Minimal - 1 element - CoB warm LED - spot beam - dimmable DALI **Attention! Code no longer in production**

### Technical description

Individual recessed luminaire for LED lamp. Minimal (frameless) version with no contact frame. Shaped stainless steel sheet structural frame specifically designed for flush with ceiling application using the adapter supplied. Die-cast aluminium, twin swivel universal joint 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 body designed to optimise heat dispersal. High efficiency aluminium reflector - spot angle. High color rendering index, warm white LED lamp. Glass cover Control gear unit included.

### Installation

Recessed in 12.5 mm thick false ceilings. The aluminium adapter is designed for filling, smoothing and finishing the false ceiling before inserting the recessed unit. Steel wire fixing springs. Preparation hole 106 x 106

### Colour

White (01) | Black (04)

### Mounting

ceiling recessed

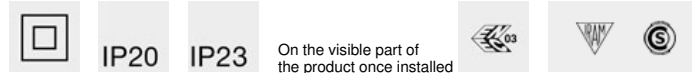
### Wiring

Complete with DALI dimmable 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 - adapter for installation in 15 mm thick false ceilings

Complies with EN60598-1 and pertinent regulations



### Technical data

lm system:	656	Colour temperature [K]:	3000
W system:	10.7	MacAdam Step:	3
lm source:	950	Life Time LED 1:	> 50,000h - L80 - B10 (Ta 25°C)
W source:	8.4	Ballast losses [W]:	2.3
Luminous efficiency (lm/W, real value):	61.3	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
Beam angle [°]:	18°	Control:	DALI
CRI (minimum):	90		

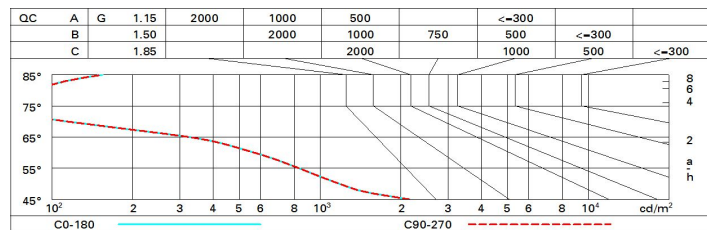
### Polar

<p><math>I_{max}=3951 \text{ cd}</math> <math>\alpha=18^\circ</math></p>	<b>CIE</b> nL 0.69 99-100-100-100-69 UGR <10-10 <b>DIN</b> A.61 <b>UTE</b> 0.69A+0.00T F*1=990 F*1+F*2=999 F*1+F*2+F*3=1000 <b>CIBSE</b> LG3 L<1500 cd/m <sup>2</sup> at 65° UGR<10   L<1500 cd/mq @65°	<b>Lux</b>			
		h	d	Em	E <sub>max</sub>
		2	0.6	773	988
		4	1.3	193	247
		6	1.9	86	110
		8	2.5	48	62

# Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	62	59	57	55	58	56	56	54	78
1.0	65	62	60	58	61	59	59	57	82
1.5	68	66	64	63	65	64	63	61	88
2.0	70	69	67	66	68	67	66	64	93
2.5	72	70	69	69	69	68	68	66	95
3.0	72	72	71	70	70	70	69	67	97
4.0	73	73	72	72	71	71	70	68	99
5.0	74	73	73	73	72	72	71	69	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	1.7	3.8	2.1	4.2	4.5	1.7	3.8	2.1	4.2	4.5
	3H	1.6	3.2	2.0	3.6	3.9	1.7	3.3	2.1	3.6	3.9
	4H	1.6	2.9	2.0	3.2	3.6	1.6	3.0	2.0	3.3	3.6
	6H	1.5	2.6	1.9	2.9	3.3	1.6	2.6	2.0	3.0	3.3
	8H	1.5	2.5	1.9	2.9	3.3	1.5	2.6	1.9	2.9	3.3
	12H	1.4	2.5	1.9	2.9	3.2	1.5	2.5	1.9	2.9	3.3
4H	2H	1.6	3.0	2.0	3.3	3.6	1.6	2.9	2.0	3.2	3.6
	3H	1.5	2.6	2.0	3.0	3.3	1.5	2.6	1.9	2.9	3.3
	4H	1.4	2.5	1.8	2.9	3.3	1.4	2.5	1.8	2.9	3.3
	6H	1.1	2.8	1.6	3.2	3.7	1.1	2.8	1.6	3.2	3.7
	8H	1.0	2.9	1.5	3.3	3.8	0.9	2.8	1.4	3.3	3.8
	12H	0.9	2.8	1.4	3.3	3.8	0.8	2.8	1.4	3.3	3.8
8H	4H	0.9	2.8	1.4	3.3	3.8	1.0	2.9	1.5	3.3	3.8
	6H	0.9	2.6	1.4	3.1	3.6	0.9	2.6	1.4	3.1	3.6
	8H	0.8	2.4	1.4	2.9	3.4	0.8	2.4	1.4	2.9	3.4
	12H	1.0	2.0	1.6	2.5	3.0	1.0	2.0	1.6	2.5	3.0
12H	4H	0.8	2.8	1.4	3.3	3.8	0.9	2.8	1.4	3.3	3.8
	6H	0.8	2.4	1.4	2.9	3.4	0.9	2.4	1.4	2.9	3.4
	8H	1.0	2.0	1.6	2.5	3.0	1.0	2.0	1.6	2.5	3.0
Variations with the observer position at spacing:											
S =	1.0H	3.4 / -4.4					3.4 / -4.4				
	1.5H	5.9 / -6.9					5.9 / -6.9				
	2.0H	7.9 / -10.8					7.9 / -10.8				