

## Deep Minimal

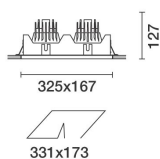
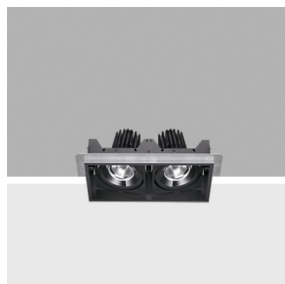
Design iGuzzini

iGuzzini

Last information update: October 2023

### Product configuration: P941

P941: Deep Minimal - 2 elements - CoB warm LED - wide flood beam - dimmable DALI



### Product code

P941: Deep Minimal - 2 elements - CoB warm LED - wide flood beam - dimmable DALI **Attention! Code no longer in production**

### Technical description

Two element recessed luminaire for LED lamps. 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 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 - wide flood angle. High color rendering index, warm white LED lamps. Each lamp unit has its own glass cover. DALI dimmable control gear units 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 173 x 331.

### Colour

White (01) | Black (04)

### Mounting

ceiling recessed

### Wiring

Complete with DALI dimmable control gear units connected to the luminaire. Wiring for connecting to mains network on driver terminal board. For the dimensions of the installation compartment see the instructions sheet.

### 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



IP20

IP23

On the visible part of the product once installed



### Technical data

lm system:	4555.2	Colour temperature [K]:	3000
W system:	62.6	MacAdam Step:	3
lm source:	3000	Life Time LED 1:	> 50,000h - L80 - B10 (Ta 25°C)
W source:	27	Ballast losses [W]:	4.3
Luminous efficiency (lm/W, real value):	72.8	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.) [%]:	76	Number of optical assemblies:	2
Beam angle [°]:	48°	Control:	DALI
CRI:	90		

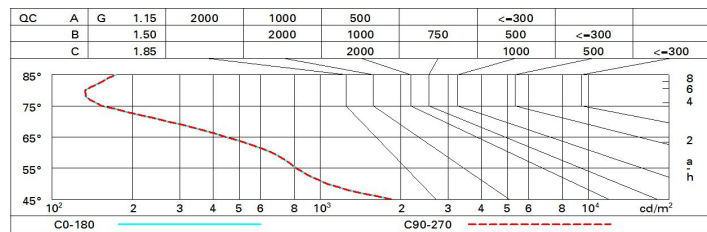
### Polar

Imax=3651 cd		CIE		Lux			
				h	d	Em	E <sub>max</sub>
		nL 0.76 99-100-100-100-76 UGR 12.0-12.0 <b>DIN</b> A.61 <b>UTE</b> 0.76A+0.00T F*1=988 F*1+F*2=998 F*1+F*2+F*3=1000 <b>CIBSE</b> LG3 L<500 cd/m² at 65° BZ1		2	1.8	727	912
				4	3.6	182	228
				6	5.3	81	101
				8	7.1	45	57

# Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	68	65	62	60	64	62	61	59	78
1.0	71	68	66	64	67	65	65	62	82
1.5	75	72	71	69	72	70	69	67	88
2.0	77	75	74	73	74	73	72	70	93
2.5	79	77	76	75	76	75	74	72	95
3.0	80	79	78	77	77	77	76	74	97
4.0	81	80	79	79	79	78	77	75	99
5.0	81	81	80	80	79	79	78	76	100

# Luminance curve limit



# UGR diagram

Photometric curve code: P9180000.RV0											
Corrected UGR values (at 3000 lm bare lamp luminous flux)											
Reflect.:											
ceiling	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											
x											
y											
2H	2H	12.6	13.1	12.8	13.4	13.6	12.6	13.1	12.8	13.4	13.6
	3H	12.4	12.9	12.7	13.2	13.5	12.4	12.9	12.7	13.2	13.5
	4H	12.4	12.8	12.7	13.1	13.4	12.4	12.8	12.7	13.1	13.4
	6H	12.3	12.7	12.6	13.0	13.4	12.3	12.7	12.6	13.0	13.4
	8H	12.3	12.7	12.6	13.0	13.3	12.3	12.7	12.6	13.0	13.3
	12H	12.2	12.6	12.6	13.0	13.3	12.2	12.6	12.6	12.9	13.3
4H	2H	12.4	12.8	12.7	13.1	13.4	12.4	12.8	12.7	13.1	13.4
	3H	12.2	12.6	12.6	13.0	13.3	12.2	12.6	12.6	13.0	13.3
	4H	12.1	12.5	12.5	12.9	13.2	12.1	12.5	12.5	12.9	13.2
	6H	12.0	12.4	12.5	12.8	13.2	12.0	12.4	12.5	12.8	13.2
	8H	12.0	12.3	12.4	12.7	13.1	12.0	12.3	12.4	12.7	13.1
	12H	12.0	12.2	12.4	12.6	13.1	11.9	12.2	12.4	12.6	13.1
8H	4H	12.0	12.3	12.4	12.7	13.1	12.0	12.3	12.4	12.7	13.1
	6H	11.9	12.1	12.4	12.6	13.1	11.9	12.1	12.4	12.6	13.1
	8H	11.9	12.1	12.3	12.5	13.0	11.9	12.1	12.3	12.5	13.0
	12H	11.8	12.0	12.3	12.5	13.0	11.8	12.0	12.3	12.5	13.0
12H	4H	11.9	12.2	12.4	12.6	13.1	12.0	12.2	12.4	12.6	13.1
	6H	11.9	12.1	12.3	12.5	13.0	11.9	12.1	12.3	12.5	13.0
	8H	11.8	12.0	12.3	12.5	13.0	11.8	12.0	12.3	12.5	13.0
Variations with the observer position at spacing:											
S =	1.0H		6.1	/	-13.4		6.1	/	-13.4		
	1.5H		8.9	/	-14.8		8.9	/	-14.8		
	2.0H		10.9	/	-16.5		10.9	/	-16.5		