Deep Minimal

Design iGuzzini   **iGuzzini**

Last information update: October 2023

Product configuration: P943
P943: Deep Minimal - 3 elements - CoB warm LED - flood beam - dimmable DALI

Product code
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Technical description
Three 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 ± 30° 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. 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 491.

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
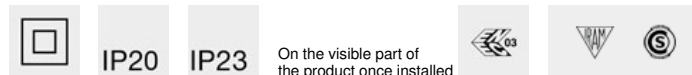
Technical data

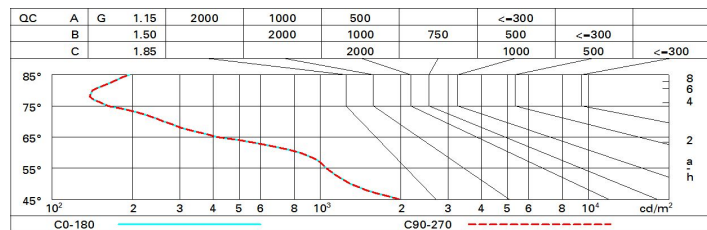|			
lm system:	7190.1	Colour temperature [K]:	3000
W system:	94.4	MacAdam Step:	3
lm source:	3000	Life Time LED 1:	> 50,000h - L80 - B10 (Ta 25°C)
W source:	27	Ballast losses [W]:	4.5
Luminous efficiency (lm/W, real value):	76.2	Lamp code:	LED
lm in emergency mode:	-	Number of lamps for optical assembly:	1
Total light flux at or above an angle of 90° [Lm]:	0	ZVEI Code:	LED
Light Output Ratio (L.O.R.) [%]:	80	Number of optical assemblies:	3
Beam angle [°]:	38°	Control:	DALI
CRI:	90		

Polar

Imax=5070 cd

CIE
nL 0.80
99-100-100-100-80
UGR 12.4-12.4
DIN
A.61
UTE
0.80A+0.00T
F"1=987
F"1+F"2=998
F"1+F"2+F"3=1000
CIBSE
LG3 L<500 cd/m² at 65°
BZ1

α=38°

Lux			
h	d	Em	Emax
2	1.4	1018	1257
4	2.8	254	314
6	4.1	113	140
8	5.5	64	79

Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	72	68	65	63	67	65	64	62	78
1.0	75	72	69	67	71	69	68	66	82
1.5	79	76	74	73	75	73	73	70	88
2.0	81	79	78	77	78	77	76	74	92
2.5	83	81	80	79	80	79	78	76	95
3.0	84	83	82	81	82	81	80	78	97
4.0	85	84	84	83	83	82	81	79	99
5.0	85	85	84	84	83	83	82	80	100

Luminance curve limit

QC	A	G	1.15	2000	1000	500		<=300		
	B		1.50		2000	1000	750	500	<=300	
	C		1.85			2000		1000	500	<=300

C0-180 —————— C90-270 ------------

UGR diagram

Photometric curve code: P9170000.RV0
Corrected UGR values (at 3000 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 x	y			viewed crosswise					viewed endwise		
2H	2H	13.0	13.6	13.3	13.8	14.1	13.0	13.6	13.3	13.8	14.1
	3H	12.9	13.4	13.2	13.7	14.0	12.9	13.4	13.2	13.7	14.0
	4H	12.8	13.3	13.1	13.6	13.9	12.8	13.3	13.1	13.6	13.9
	6H	12.7	13.2	13.1	13.5	13.8	12.7	13.2	13.1	13.5	13.8
	8H	12.7	13.1	13.0	13.5	13.8	12.7	13.1	13.1	13.5	13.8
	12H	12.6	13.1	13.0	13.4	13.8	12.7	13.1	13.0	13.4	13.8
4H	2H	12.8	13.3	13.1	13.6	13.9	12.8	13.3	13.1	13.6	13.9
	3H	12.7	13.1	13.0	13.4	13.8	12.7	13.1	13.0	13.4	13.8
	4H	12.6	12.9	13.0	13.3	13.7	12.6	12.9	13.0	13.3	13.7
	6H	12.5	12.8	12.9	13.2	13.6	12.5	12.8	12.9	13.2	13.6
	8H	12.4	12.7	12.9	13.2	13.6	12.4	12.7	12.9	13.2	13.6
	12H	12.4	12.7	12.8	13.1	13.6	12.4	12.7	12.8	13.1	13.6
8H	4H	12.4	12.7	12.9	13.2	13.6	12.4	12.7	12.9	13.2	13.6
	6H	12.3	12.6	12.8	13.0	13.5	12.3	12.6	12.8	13.0	13.5
	8H	12.3	12.5	12.8	13.0	13.5	12.3	12.5	12.8	13.0	13.5
	12H	12.2	12.4	12.7	12.9	13.4	12.2	12.4	12.7	12.9	13.4
12H	4H	12.4	12.7	12.8	13.1	13.6	12.4	12.7	12.8	13.1	13.6
	6H	12.3	12.5	12.8	13.0	13.5	12.3	12.5	12.8	13.0	13.5
	8H	12.2	12.4	12.7	12.9	13.4	12.2	12.4	12.7	12.9	13.4

Variations with the observer position at spacing:

S =	1.0H	5.7 / -12.8	5.7 / -12.8
	1.5H	8.5 / -14.7	8.5 / -14.7
	2.0H	10.5 / -17.4	10.5 / -17.4