

Pixel Pro

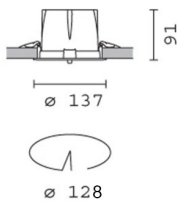
Design Iosa Ghini

iGuzzini

Last information update: May 2024

Product configuration: MN70

MN70: recessed luminaire Ø 137 - neutral white passive dissipation LED - integrated DALI control gear - spot



Product code

MN70: recessed luminaire Ø 137 - neutral white passive dissipation LED - integrated DALI control gear - spot **Attention! Code no longer in production**

Technical description

recessed adjustable removable luminaire for LED lamp with passive heat dissipation system. Structure with die-cast aluminium frame and main body; shaped surface with high level radiant effect for effectively reducing the temperature and keeping the long-term LED lamp performance unchanged. Steel rotation hinge, chrome-plated aluminium body closing ring. Reflector with high efficiency super-pure aluminium optic - spot beam angle. Body adjusted using manually operated device: internal 30° - external 75° - rotation about axis 355°. Supplied with DALI dimmable control gear connected to the luminaire. Neutral white high efficiency LED.

Installation

recessed using steel springs in false ceilings with thicknesses starting at 1 mm; preparation hole Ø 125

Colour

White / Aluminium (39) | Grey/Aluminium (78)

Weight (Kg)

1.01

Mounting

ceiling recessed

Wiring

on control gear box with quick-coupling connections

Complies with EN60598-1 and pertinent regulations



Technical data

lm system:	1540	CRI:	80
W system:	15.1	Colour temperature [K]:	4000
lm source:	2000	MacAdam Step:	2
W source:	12	Life Time LED 1:	> 50,000h - L80 - B10 (Ta 25°C)
Luminous efficiency (lm/W, real value):	102	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.) [%]:	77	Number of optical assemblies:	1
Beam angle [°]:	18°	Control:	DALI

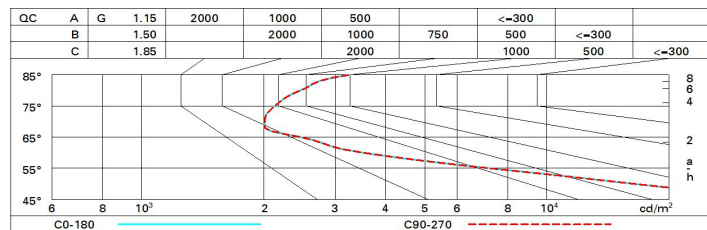
Polar

<p>Imax=4933 cd 90° 180° 90° 5000 0° α = 18°</p>	CIE nL 0.77 94-100-100-100-77 UGR 20.3-20.3 DIN A.61 UTE 0.77A+0.00T F*1=941 F*1+F*2=995 F*1+F*2+F*3=999				Lux			
	h	d	Em	E _{max}	h	d	Em	E _{max}
	2	0.6	983	1233				
	4	1.3	246	308				
	6	1.9	109	137				
	8	2.5	61	77				

Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	68	63	61	58	63	60	60	57	74
1.0	71	67	65	63	66	64	64	61	79
1.5	75	72	70	68	71	69	69	66	86
2.0	78	76	74	73	75	73	72	70	91
2.5	79	78	76	75	77	75	75	72	94
3.0	80	79	78	77	78	77	76	74	96
4.0	81	80	80	79	79	79	77	75	98
5.0	82	81	81	80	80	79	78	76	99

Luminance curve limit



UGR diagram

Corrected UGR values (at 2000 lm bare lamp luminous flux)											
Reflect.: ceiling/cav walls work pl. Room dim x y		viewed crosswise					viewed endwise				
2H	2H	21.1	22.0	21.4	22.9	23.2	21.1	22.0	21.4	22.9	23.2
	3H	21.0	22.1	21.3	22.4	22.7	21.0	22.1	21.3	22.4	22.7
	4H	20.9	22.0	21.3	22.3	22.6	20.9	21.9	21.3	22.3	22.6
	6H	20.8	21.9	21.2	22.3	22.6	20.8	21.9	21.1	22.2	22.6
	8H	20.7	21.9	21.1	22.2	22.6	20.7	21.8	21.1	22.2	22.6
	12H	20.7	21.8	21.1	22.2	22.5	20.7	21.8	21.1	22.1	22.5
4H	2H	20.9	21.9	21.3	22.3	22.6	20.9	22.0	21.3	22.3	22.6
	3H	20.7	21.8	21.1	22.1	22.5	20.7	21.8	21.1	22.2	22.5
	4H	20.6	21.6	21.0	22.0	22.4	20.6	21.6	21.0	22.0	22.4
	6H	20.4	21.6	20.9	22.0	22.5	20.4	21.6	20.9	22.0	22.5
	8H	20.3	21.6	20.8	22.0	22.5	20.3	21.6	20.8	22.0	22.5
	12H	20.2	21.6	20.7	22.1	22.6	20.2	21.6	20.7	22.1	22.6
8H	4H	20.3	21.6	20.8	22.0	22.5	20.3	21.6	20.8	22.0	22.5
	6H	20.2	21.5	20.7	22.0	22.5	20.2	21.5	20.7	22.0	22.5
	8H	20.2	21.3	20.7	21.8	22.3	20.2	21.3	20.7	21.8	22.3
	12H	20.2	21.1	20.7	21.6	22.1	20.2	21.1	20.7	21.6	22.1
12H	4H	20.2	21.6	20.7	22.1	22.6	20.2	21.6	20.7	22.1	22.6
	6H	20.1	21.3	20.7	21.8	22.3	20.2	21.3	20.7	21.8	22.3
	8H	20.2	21.1	20.7	21.6	22.1	20.2	21.1	20.7	21.6	22.1
Variations with the observer position at spacing:											
S =		3.8 / -10.2					3.8 / -10.2				
		6.5 / -12.2					6.5 / -12.2				
		8.5 / -12.7					8.5 / -12.7				