

Pixel Pro

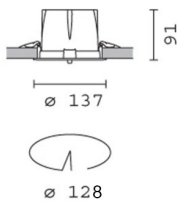
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Last information update: May 2024

Product configuration: MN79

MN79: recessed luminaire Ø 137 - warm white passive dissipation LED - integrated DALI control gear - medium



Product code

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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 - medium 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. Warm white high colour rendering index LED CRI (Ra) > 90.

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

Im system:	1580	CRI:	90
W system:	18.3	Colour temperature [K]:	3000
Im source:	2000	MacAdam Step:	2
W source:	16	Life Time LED 1:	> 50,000h - L80 - B10 (Ta 25°C)
Luminous efficiency (Im/W, real value):	86.3	Lamp code:	LED
Im 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.) [%]:	79	Number of optical assemblies:	1
Beam angle [°]:	22°	Control:	DALI

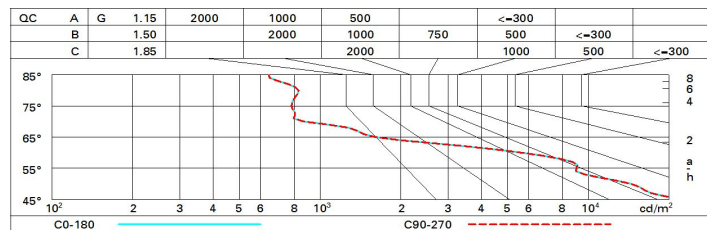
Polar

Imax=5315 cd		CIE		Lux			
90°		nL 0.79		h	d	Em	Emax
180°		85-100-100-100-79		2	0.8	1050	1329
90°		UGR 19.0-19.0		4	1.6	262	332
6000		DIN A.61		6	2.3	117	148
0°		UTE 0.79A+0.00T		8	3.1	66	83
α=22°		F*1=954					
		F*1+F*2=997					
		F*1+F*2+F*3=1000					
		CIBSE LG3 L<3000 cd/m² at 65°					
		UGR<19 L<3000 cd/mq @65°					

Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	70	66	63	61	65	62	62	59	75
1.0	73	70	67	65	69	66	66	63	80
1.5	77	75	72	71	74	72	71	68	87
2.0	80	78	76	75	77	75	74	72	91
2.5	81	80	79	78	79	78	77	75	94
3.0	82	81	80	80	80	79	78	76	96
4.0	84	83	82	81	81	81	80	78	98
5.0	84	83	83	83	82	82	80	78	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	19.8	21.4	20.1	21.7	22.0	19.8	21.4	20.1	21.7	22.0
	3H	19.7	20.9	20.0	21.2	21.5	19.7	20.9	20.0	21.2	21.5
	4H	19.6	20.7	20.0	21.0	21.3	19.6	20.7	20.0	21.0	21.4
	6H	19.5	20.6	19.9	20.9	21.3	19.5	20.6	19.9	20.9	21.3
	8H	19.4	20.5	19.8	20.9	21.3	19.4	20.5	19.8	20.9	21.3
	12H	19.4	20.5	19.8	20.8	21.2	19.4	20.5	19.8	20.8	21.2
4H	2H	19.6	20.7	20.0	21.0	21.4	19.6	20.7	20.0	21.0	21.3
	3H	19.4	20.5	19.8	20.8	21.2	19.4	20.5	19.8	20.8	21.2
	4H	19.3	20.3	19.7	20.7	21.1	19.3	20.3	19.7	20.7	21.1
	6H	19.1	20.4	19.5	20.8	21.2	19.1	20.4	19.5	20.8	21.2
	8H	19.0	20.4	19.4	20.8	21.3	19.0	20.4	19.4	20.8	21.3
	12H	18.8	20.4	19.3	20.8	21.4	18.8	20.4	19.3	20.8	21.3
8H	4H	19.0	20.4	19.4	20.8	21.3	19.0	20.4	19.4	20.8	21.3
	6H	18.8	20.2	19.3	20.7	21.2	18.8	20.2	19.3	20.7	21.2
	8H	18.8	20.0	19.3	20.5	21.0	18.8	20.0	19.3	20.5	21.0
	12H	18.9	19.8	19.4	20.3	20.8	18.9	19.8	19.4	20.3	20.8
12H	4H	18.8	20.4	19.3	20.8	21.3	18.8	20.4	19.3	20.8	21.4
	6H	18.8	20.0	19.3	20.5	21.0	18.8	20.0	19.3	20.5	21.0
	8H	18.9	19.8	19.4	20.3	20.8	18.9	19.8	19.4	20.3	20.8
Variations with the observer position at spacing:											
S =		1.0H					4.3 / -9.6				
		1.5H					7.1 / -15.0				
		2.0H					9.1 / -18.0				