Pixel Pro

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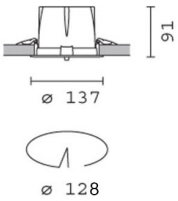
Last information update: May 2024

Product configuration: MN73
MN73: recessed luminaire Ø 137 - neutral white LED passive dissipation - integrated DALI control gear - wide flood



Product code
MN73: recessed luminaire Ø 137 - neutral white LED passive dissipation - integrated DALI control gear - wide flood **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 - wide flood 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	**Weight (Kg)**
White / Aluminium (39) | Grey/Aluminium (78)	1.01

Mounting
ceiling recessed

Wiring
on control gear box with quick-coupling connections

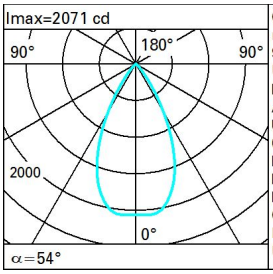
Complies with EN60598-1 and pertinent regulations

IP20

Technical data

lm system:	1559	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):	103.2	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.) [%]:	78	Number of optical assemblies:	1
Beam angle [°]:	54°	Control:	DALI

Polar



CIE
nL 0.78
97-100-100-100-78
UGR 18.5-18.5
DIN
A.61
UTE
0.78A+0.00T
F"1=965
F"1+F"2=997
F"1+F"2+F"3=1000
CIBSE
LG3 L<3000 cd/m² at 65°
UGR<19 I L<3000 cd/mq @65°

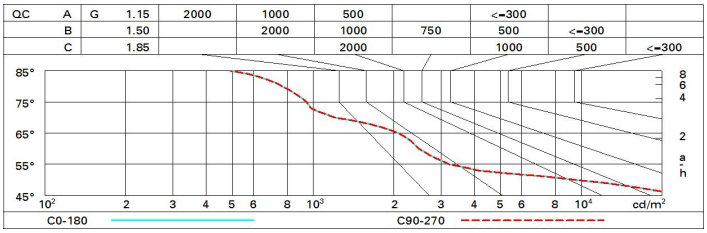
Lux

h	d	Em	Emax
2	2	400	516
4	4.1	100	129
6	6.1	44	57
8	8.2	25	32

Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	69	65	63	60	65	62	62	59	76
1.0	72	69	66	65	68	66	66	63	81
1.5	76	74	72	70	73	71	70	68	87
2.0	79	77	75	74	76	75	74	71	92
2.5	80	79	78	77	78	77	76	74	95
3.0	81	80	80	79	79	78	77	75	97
4.0	83	82	81	81	80	80	79	77	98
5.0	83	82	82	82	81	81	79	78	99

Luminance curve limit



UGR diagram

Corrected UGR values (at 2000 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				viewed crosswise					viewed endwise		
x	y										
2H	2H	19.1	19.7	19.3	19.9	20.2	19.1	19.7	19.3	19.9	20.2
	3H	18.9	19.5	19.3	19.8	20.0	18.9	19.5	19.2	19.8	20.0
	4H	18.9	19.4	19.2	19.7	20.0	18.9	19.4	19.2	19.7	20.0
	6H	18.8	19.3	19.1	19.6	19.9	18.8	19.3	19.1	19.6	19.9
	8H	18.8	19.2	19.1	19.5	19.9	18.7	19.2	19.1	19.5	19.9
	12H	18.7	19.2	19.1	19.5	19.8	18.7	19.2	19.1	19.5	19.8
4H	2H	18.9	19.4	19.2	19.7	20.0	18.9	19.4	19.2	19.7	20.0
	3H	18.7	19.2	19.1	19.5	19.9	18.7	19.2	19.1	19.5	19.9
	4H	18.6	19.0	19.0	19.4	19.8	18.6	19.0	19.0	19.4	19.8
	6H	18.6	18.9	19.0	19.3	19.7	18.5	18.9	19.0	19.3	19.7
	8H	18.5	18.8	18.9	19.2	19.7	18.5	18.8	18.9	19.2	19.7
	12H	18.5	18.7	18.9	19.2	19.6	18.5	18.7	18.9	19.2	19.6
8H	4H	18.5	18.8	18.9	19.2	19.7	18.5	18.8	18.9	19.2	19.7
	6H	18.4	18.7	18.9	19.1	19.6	18.4	18.7	18.9	19.1	19.6
	8H	18.4	18.6	18.8	19.0	19.5	18.4	18.6	18.8	19.0	19.5
	12H	18.3	18.5	18.8	19.0	19.5	18.3	18.5	18.8	19.0	19.5
12H	4H	18.5	18.7	18.9	19.2	19.6	18.5	18.7	18.9	19.2	19.6
	6H	18.4	18.6	18.8	19.0	19.5	18.4	18.6	18.8	19.0	19.5
	8H	18.3	18.5	18.8	19.0	19.5	18.3	18.5	18.8	19.0	19.5

Variations with the observer position at spacing:

S =	1.0H	5.1 / -13.5	5.1 / -13.5
	1.5H	7.9 / -14.7	7.9 / -14.7
	2.0H	9.9 / -15.9	9.9 / -15.9