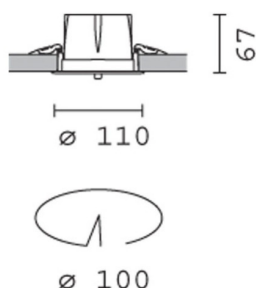
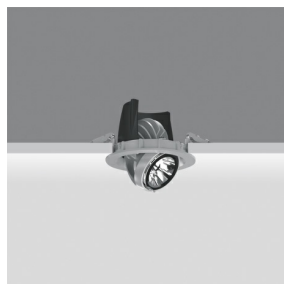


Last information update: May 2024

**Product configuration: MN61**

MN61: recessed luminaire Ø 110 - warm white passive dissipation LED - integrated DALI control gear - medium

**Product code**MN61: recessed luminaire Ø 110 - warm white passive dissipation LED - integrated DALI control gear - medium **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. Plastic reflector with high definition treatment - 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 efficiency LED.

**Installation**

recessed using steel springs in false ceilings with thicknesses starting at 1 mm; preparation hole Ø 100

**Colour**

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

**Weight (Kg)**

0.52

**Mounting**

ceiling recessed

**Wiring**

on control gear box with quick-coupling connections

Complies with EN60598-1 and pertinent regulations

**Technical data**

lm system:	810	CRI:	80
W system:	13.8	Colour temperature [K]:	3000
lm source:	1000	MacAdam Step:	3
W source:	11	Life Time LED 1:	> 50,000h - L90 - B10 (Ta 25°C)
Luminous efficiency (lm/W, real value):	58.7	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.) [%]:	81	Number of optical assemblies:	1
Beam angle [°]:	28°	Control:	DALI

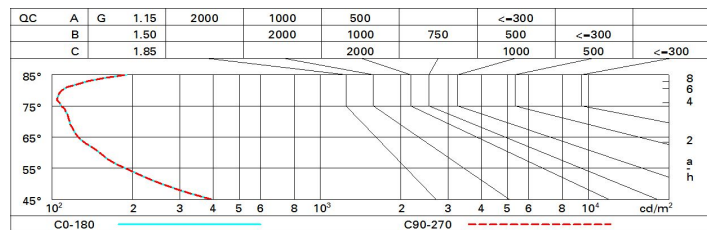
**Polar**

Imax=3087 cd		CIE		Lux			
	90°	nL 0.81	100-100-100-100-81	h	d	Em	Emax
	180°	UGR 11.0-11.0	DIN A 61	2	1	618	769
	90°	UTE 0.81A+0.00T	F*1=999	4	2	154	192
	0°	F*1+F*2=1000	F*1+F*2+F*3=1000	6	3	69	85
	α=28°	CIBSE LG3 L<1500 cd/m² at 65°	UGR<16   L<1500 cd/mq @ 65°	8	4	39	48

# Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	73	69	67	65	69	66	66	64	78
1.0	76	73	71	69	72	70	70	67	83
1.5	80	78	76	74	77	75	74	72	89
2.0	83	81	79	78	80	78	77	75	93
2.5	84	83	82	81	82	81	80	78	96
3.0	85	84	83	83	83	82	81	79	98
4.0	86	85	85	84	84	84	82	80	99
5.0	87	86	86	86	85	84	83	81	100

# Luminance curve limit



# UGR diagram

Corrected UGR values (at 1000 lm bare lamp luminous flux)											
Reflect.: ceiling/cav walls work pl. Room dim x y		viewed crosswise					viewed endwise				
2H	2H	11.9	14.0	12.3	14.3	14.6	11.9	14.0	12.3	14.3	14.6
	3H	11.8	13.3	12.2	13.7	14.0	11.8	13.3	12.2	13.7	14.0
	4H	11.7	13.0	12.1	13.4	13.7	11.7	13.0	12.1	13.4	13.7
	6H	11.7	12.8	12.0	13.1	13.5	11.7	12.8	12.0	13.1	13.5
	8H	11.6	12.7	12.0	13.0	13.4	11.6	12.7	12.0	13.0	13.4
	12H	11.6	12.6	12.0	13.0	13.4	11.6	12.6	12.0	13.0	13.4
4H	2H	11.7	13.0	12.1	13.4	13.7	11.7	13.0	12.1	13.4	13.7
	3H	11.6	12.6	12.0	13.0	13.4	11.6	12.6	12.0	13.0	13.4
	4H	11.5	12.5	11.9	12.8	13.2	11.5	12.5	11.9	12.8	13.2
	6H	11.1	12.7	11.6	13.1	13.6	11.1	12.7	11.6	13.1	13.6
	8H	11.0	12.8	11.5	13.2	13.7	11.0	12.8	11.5	13.2	13.7
	12H	10.9	12.8	11.4	13.2	13.8	10.9	12.8	11.4	13.2	13.8
8H	4H	11.0	12.8	11.5	13.2	13.7	11.0	12.8	11.5	13.2	13.7
	6H	10.9	12.6	11.4	13.1	13.6	10.9	12.6	11.4	13.1	13.6
	8H	10.8	12.4	11.4	12.9	13.4	10.8	12.4	11.4	12.9	13.4
	12H	11.0	12.0	11.5	12.5	13.0	11.0	12.0	11.5	12.5	13.0
12H	4H	10.9	12.8	11.4	13.2	13.8	10.9	12.8	11.4	13.2	13.8
	6H	10.8	12.4	11.4	12.9	13.4	10.8	12.4	11.4	12.9	13.4
	8H	11.0	12.0	11.5	12.5	13.0	11.0	12.0	11.5	12.5	13.0
Variations with the observer position at spacing:											
S =		7.0 / -22.7					7.0 / -22.7				
		9.8 / -23.2					9.8 / -23.2				
		11.8 / -23.5					11.8 / -23.5				