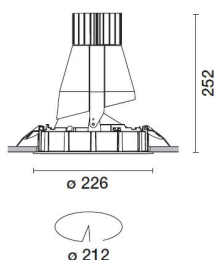


Product configuration: N110.39

N110.39: adjustable luminaire - Ø 212 mm - warm white - flood optic - frame - 43W 3472.7lm - 3000K - CRI 90 - White / Aluminium



N110.39: adjustable luminaire - Ø 212 mm - warm white - flood optic - frame - 43W 3472.7lm - 3000K - CRI 90 - White / Aluminium

Round adjustable luminaire designed to use an LED lamp with C.O.B.technology in a warm white colour tone 3000K (CRI 90). Version with rim for surface-mounting. Lower reflector vacuum-metallised with aluminium vapours with an anti-scratch protective layer. Anodised aluminium upper reflector. Black, zinc-plated sheet steel bracket. The luminaire can be rotated 30° relative to the horizontal plane and 358° about the vertical axis. The luminaire is fitted with mechanical locks for light beam aiming. Painted extruded aluminium dissipater.

Installation flush with the ceiling is for false ceilings 12.5 mm thick

Colour	Weight (Kg)
White / Aluminium (39)	1.9

ceiling recessed

Product complete with DALI components

Complies with EN60598-1 and pertinent regulations



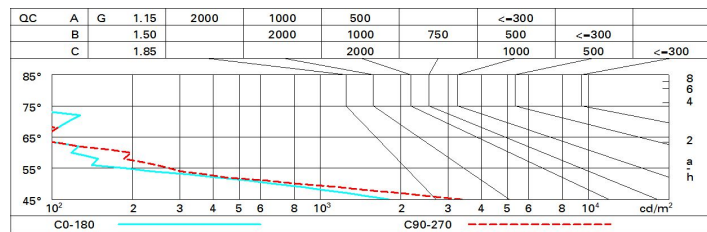
Im system:	3473	MacAdam Step:	2
W system:	43	Life Time LED 1:	> 50,000h - L90 - B10 (Ta 25°C)
Im source:	5350	Lamp code:	LED
W source:	39	Number of lamps for optical assembly:	1
Luminous efficiency (lm/W, real value):	80.8	ZVEI Code:	LED
Im in emergency mode:	-	Number of optical assemblies:	1
Total light flux at or above an angle of 90° [Lm]:	0	Power factor:	See installation instructions
Light Output Ratio (L.O.R.) [%]:	65	Inrush current:	30 A / 200 µs
Beam angle [°]:	32° / 31°	Maximum number of luminaires of this type per miniature circuit breaker:	B10A: 12 luminaires B16A: 20 luminaires C10A: 20 luminaires C16A: 34 luminaires
CRI (minimum):	90	Minimum dimming %:	1
Rf (Colour Fidelity Index):	92	Overvoltage protection:	2kV Common mode & 2kV Differential mode
Rg (Gamut Index):	99	Control:	DALI-2
Colour temperature [K]:	3000		

<p>$\alpha = 31^\circ$</p>	CIE		Lux				
	nL 0.65		h	d1	d2	Em	E_{max}
	99-100-100-100-65		2	1.1	1.1	2091	2721
	UGR <10-<10		4	2.2	2.2	523	680
	DIN		6	3.4	3.3	232	302
	A.61		8	4.5	4.4	131	170
UTE							
0.65A+0.00T							
F*1=991							
F*1+F*2=1000							
F*1+F*2+F*3=1000							
CIBSE							
LG3 L<1500 cd/m² at 65°							
UGR<10 L<1500 cd/mq @65°							

Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	58	55	53	52	55	53	53	50	78
1.0	61	58	56	55	58	56	56	53	82
1.5	64	62	60	59	61	60	59	57	88
2.0	66	65	63	62	64	63	62	60	93
2.5	67	66	65	65	65	64	64	62	96
3.0	68	67	67	66	66	66	65	63	98
4.0	69	68	68	67	67	67	66	64	99
5.0	69	69	69	68	68	68	67	65	100

Luminance curve limit



UGR diagram

Corrected UGR values (at 5350 lm bare lamp luminous flux)											
Reflect.: ceiling/cav walls work pl. Room dim x y		viewed crosswise					viewed endwise				
2H	2H	7.4	7.9	7.7	8.2	8.4	5.9	6.5	6.2	6.7	6.9
	3H	7.3	7.8	7.6	8.0	8.3	5.8	6.3	6.1	6.5	6.8
	4H	7.2	7.7	7.5	7.9	8.2	5.7	6.2	6.0	6.5	6.7
	6H	7.1	7.5	7.5	7.8	8.2	5.6	6.0	6.0	6.4	6.7
	8H	7.1	7.5	7.4	7.8	8.1	5.6	6.0	5.9	6.3	6.7
	12H	7.0	7.4	7.4	7.8	8.1	5.6	5.9	5.9	6.3	6.6
4H	2H	7.2	7.6	7.5	7.9	8.2	5.7	6.2	6.0	6.4	6.7
	3H	7.0	7.4	7.4	7.8	8.1	5.6	5.9	5.9	6.3	6.6
	4H	7.0	7.3	7.3	7.7	8.0	5.5	5.8	5.9	6.2	6.6
	6H	6.9	7.2	7.3	7.6	8.0	5.4	5.7	5.8	6.1	6.5
	8H	6.8	7.1	7.3	7.5	7.9	5.3	5.6	5.8	6.0	6.5
	12H	6.8	7.0	7.2	7.4	7.9	5.3	5.5	5.7	6.0	6.4
8H	4H	6.8	7.1	7.3	7.5	7.9	5.3	5.6	5.8	6.0	6.5
	6H	6.7	7.0	7.2	7.4	7.9	5.2	5.5	5.7	5.9	6.4
	8H	6.7	6.9	7.2	7.3	7.8	5.2	5.4	5.7	5.8	6.3
	12H	6.6	6.8	7.1	7.3	7.8	5.1	5.3	5.6	5.8	6.3
12H	4H	6.8	7.0	7.2	7.4	7.9	5.3	5.5	5.7	6.0	6.4
	6H	6.7	6.9	7.2	7.3	7.8	5.2	5.4	5.7	5.8	6.3
	8H	6.6	6.8	7.1	7.3	7.8	5.1	5.3	5.6	5.8	6.3
Variations with the observer position at spacing:											
S =	1.0H	6.3 / -17.3					4.4 / -14.5				
	1.5H	9.1 / -18.8					7.2 / -18.5				
	2.0H	11.1 / -20.7					9.2 / -22.0				