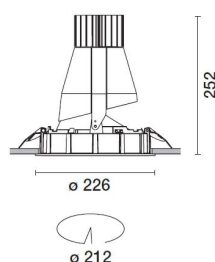


Last information update: April 2024

**Product configuration: N106**

N106: adjustable luminaire - Ø 212 mm - neutral white - flood optic - frame

**Product code**

N106: adjustable luminaire - Ø 212 mm - neutral white - flood optic - frame

**Technical description**

Round adjustable luminaire designed to use an LED lamp with C.O.B. technology in a neutral white colour tone 4000K. 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**

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

**Colour**

White / Aluminium (39)

**Weight (Kg)**

1.9

**Mounting**

ceiling recessed

**Wiring**

Product complete with DALI components

Complies with EN60598-1 and pertinent regulations

**Technical data**

lm system:	3375	Life Time LED 1:	> 50,000h - L90 - B10 (Ta 25°C)
W system:	34.2	Lamp code:	LED
lm source:	5200	Number of lamps for optical assembly:	1
W source:	31	ZVEI Code:	LED
Luminous efficiency (lm/W, real value):	98.7	Number of optical assemblies:	1
lm in emergency mode:	-	Power factor:	See installation instructions
Total light flux at or above an angle of 90° [Lm]:	0	Inrush current:	18 A / 250 µs
Light Output Ratio (L.O.R.) [%]:	65	Maximum number of luminaires of this type per miniature circuit breaker:	B10A: 21 luminaires B16A: 34 luminaires C10A: 35 luminaires C16A: 57 luminaires
Beam angle [°]:	32° / 31°	Minimum dimming %:	1
CRI (minimum):	80	Overvoltage protection:	2kV Common mode & 1kV Differential mode
Colour temperature [K]:	4000	Control:	DALI-2
MacAdam Step:	2		

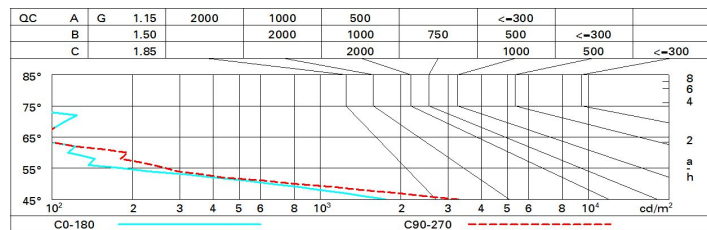
**Polar**

Imax=10623 cd		C145-325		CIE		Lux	
h	d1	d2	Em	Emax			
2	1.1	1.1	2032	2644			
4	2.3	2.2	508	661			
6	3.4	3.3	226	294			
8	4.6	4.4	127	165			

# 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 5200 lm bare lamp luminous flux)											
Reflect.: ceiling/cav walls work pl. Room dim x y		viewed crosswise					viewed endwise				
2H	2H	7.3	7.8	7.6	8.1	8.3	5.8	6.4	6.1	6.6	6.8
	3H	7.2	7.7	7.5	7.9	8.2	5.7	6.2	6.0	6.4	6.7
	4H	7.1	7.6	7.4	7.8	8.1	5.6	6.1	5.9	6.4	6.6
	6H	7.0	7.4	7.4	7.7	8.1	5.5	6.0	5.9	6.3	6.6
	8H	7.0	7.4	7.3	7.7	8.0	5.5	5.9	5.8	6.2	6.6
	12H	6.9	7.3	7.3	7.7	8.0	5.5	5.8	5.8	6.2	6.5
4H	2H	7.1	7.5	7.4	7.8	8.1	5.6	6.1	5.9	6.4	6.6
	3H	6.9	7.3	7.3	7.7	8.0	5.5	5.8	5.8	6.2	6.5
	4H	6.9	7.2	7.3	7.6	7.9	5.4	5.7	5.8	6.1	6.5
	6H	6.8	7.1	7.2	7.5	7.9	5.3	5.6	5.7	6.0	6.4
	8H	6.7	7.0	7.2	7.4	7.8	5.2	5.5	5.7	5.9	6.4
	12H	6.7	6.9	7.1	7.3	7.8	5.2	5.4	5.6	5.9	6.3
8H	4H	6.7	7.0	7.2	7.4	7.8	5.2	5.5	5.7	5.9	6.4
	6H	6.6	6.9	7.1	7.3	7.8	5.1	5.4	5.6	5.8	6.3
	8H	6.6	6.8	7.1	7.2	7.7	5.1	5.3	5.6	5.7	6.2
	12H	6.5	6.7	7.0	7.2	7.7	5.0	5.2	5.5	5.7	6.2
12H	4H	6.7	6.9	7.1	7.4	7.8	5.2	5.4	5.6	5.9	6.3
	6H	6.6	6.8	7.1	7.2	7.7	5.1	5.3	5.6	5.7	6.2
	8H	6.5	6.7	7.0	7.2	7.7	5.0	5.2	5.5	5.7	6.2
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				