

Last information update: May 2018

**adjustable luminaire - Ø 96 mm - neutral white - flood optic - frame****Product code**
N072**Technical description**

Round adjustable luminaire designed to use an LED lamp with C.O.B. technology in a neutral white colour tone 4,000K (CRI 80). Version with rim for surface-mounting. Painted, die-cast aluminium body. 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

Recessed using torsion springs which allow easy installation in false ceilings with thickness ranging from 1 mm to 25 mm.

Dimension (mm)
Ø109x132**Colour**
White/Aluminium (39)**Weight (Kg)**
0.49**Mounting**
ceiling recessed**Wiring**
Product complete with electronic components

Complies with EN60598-1 and pertinent regulations

**Product configuration: N072****Product characteristics**

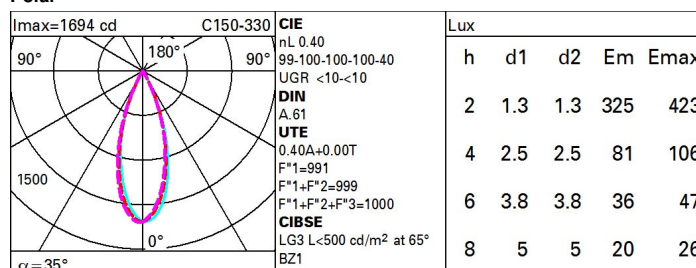
Total lighting output [Lm]: 598.8
Total power [W]: 12.7
Luminous efficacy [Lm/W]: 47.1
Life Time: 50,000h - L80 - B10 (Ta 25°C)

Total luminous flux at or above an angle of 90° [Lm]: 0
Emergency luminous flux [Lm]: /
Voltage [V]: -
Number of optical assemblies: 1

Optical assembly Characteristics Type 1

Light Output Ratio (L.O.R.) [%]: 40
Lamp code: LED
ZVEI Code: LED
Nominal power [W]: 10
Nominal luminous [Lm]: 1500
Lamp maximum intensity [cd]: /
Beam angle [°]: 35°

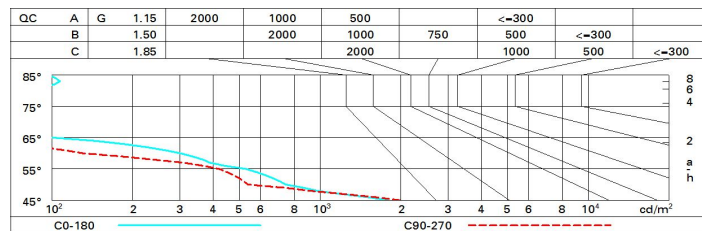
Number of lamps for optical assembly: 1
Socket: /
Ballast losses [W]: 2.7
Colour temperature [K]: 4000
CRI: 80
Wavelength [nm]: /
MacAdam Step: 2

Polar

Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	36	34	33	32	34	33	32	31	78
1.0	38	36	35	34	35	34	34	33	82
1.5	39	38	37	36	38	37	36	35	88
2.0	41	40	39	38	39	39	38	37	93
2.5	41	41	40	40	40	40	39	38	96
3.0	42	41	41	41	41	40	40	39	98
4.0	42	42	42	42	41	41	41	40	99
5.0	43	42	42	42	42	42	41	40	100

Luminance curve limit



UGR diagram

Corrected UGR values (at 1500 lm bare lamp luminous flux)											
Reflect.: ceiling/cav walls work pl. Room dim x y		viewed crosswise					viewed endwise				
		0.70	0.70	0.50	0.50	0.30	0.70	0.70	0.50	0.50	0.30
		0.50	0.30	0.50	0.30	0.30	0.50	0.30	0.50	0.30	0.30
		0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
2H	2H	4.2	4.7	4.4	4.9	5.2	4.6	5.1	4.8	5.3	5.6
	3H	4.0	4.5	4.3	4.8	5.1	4.4	4.9	4.7	5.2	5.5
	4H	4.0	4.4	4.3	4.7	5.0	4.4	4.8	4.7	5.1	5.4
	6H	3.9	4.3	4.2	4.6	4.9	4.3	4.7	4.6	5.0	5.4
	8H	3.8	4.3	4.2	4.6	4.9	4.3	4.7	4.6	5.0	5.3
	12H	3.8	4.2	4.2	4.5	4.9	4.2	4.6	4.6	4.9	5.3
4H	2H	4.0	4.4	4.3	4.7	5.0	4.4	4.8	4.7	5.1	5.4
	3H	3.8	4.2	4.2	4.6	4.9	4.2	4.6	4.6	4.9	5.3
	4H	3.7	4.1	4.1	4.4	4.8	4.1	4.5	4.5	4.8	5.2
	6H	3.6	4.0	4.1	4.3	4.8	4.0	4.3	4.5	4.7	5.2
	8H	3.6	3.9	4.0	4.3	4.7	4.0	4.3	4.4	4.7	5.1
	12H	3.6	3.8	4.0	4.2	4.7	3.9	4.2	4.4	4.6	5.1
8H	4H	3.6	3.9	4.0	4.3	4.7	4.0	4.3	4.4	4.7	5.1
	6H	3.5	3.7	4.0	4.2	4.7	3.9	4.1	4.4	4.6	5.1
	8H	3.5	3.7	3.9	4.1	4.6	3.9	4.1	4.3	4.5	5.0
	12H	3.4	3.6	3.9	4.1	4.6	3.8	4.0	4.3	4.5	5.0
12H	4H	3.5	3.8	4.0	4.2	4.7	4.0	4.2	4.4	4.6	5.1
	6H	3.5	3.7	3.9	4.1	4.6	3.9	4.1	4.3	4.5	5.0
	8H	3.4	3.6	3.9	4.1	4.6	3.8	4.0	4.3	4.5	5.0
Variations with the observer position at spacing:											
S =	1.0H	5.3 / -10.0					5.0 / -11.3				
	1.5H	8.0 / -12.5					7.8 / -17.1				
	2.0H	10.0 / -15.8					9.8 / -17.3				