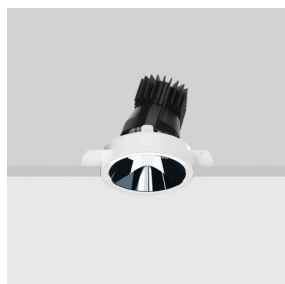


Last information update: May 2018



adjustable luminaire - Ø 125 mm - neutral white - medium optic - minimal

Product code
 N043
Technical description

Round adjustable luminaire designed to use an LED lamp with C.O.B. technology in a neutral white colour tone 4000K. Version without rim for mounting flush with ceiling. 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

Dimension (mm)
 Ø123x139

Colour
 Aluminium (12)

Weight (Kg)
 0.8

Mounting
 ceiling recessed

Wiring
 Product complete with electronic components

Complies with EN60598-1 and pertinent regulations



IP20

IP23

**Product configuration: N043****Product characteristics**

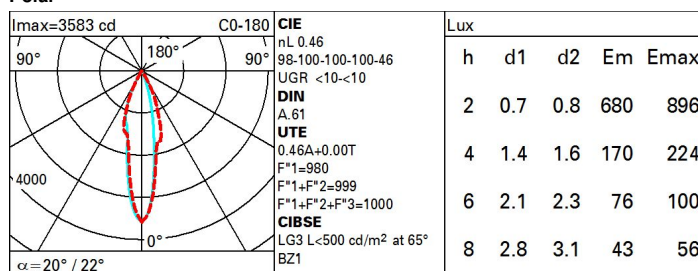
Total lighting output [Lm]: 917.6
 Total power [W]: 15.4
 Luminous efficacy [Lm/W]: 59.6
 Life Time: 50,000h - L80 - B10 (Ta 25°C)

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.) [%]: 46
 Lamp code: LED
 ZVEI Code: LED
 Nominal power [W]: 13
 Nominal luminous [Lm]: 2000
 Lamp maximum intensity [cd]: /
 Beam angle [°]: 20° / 22°

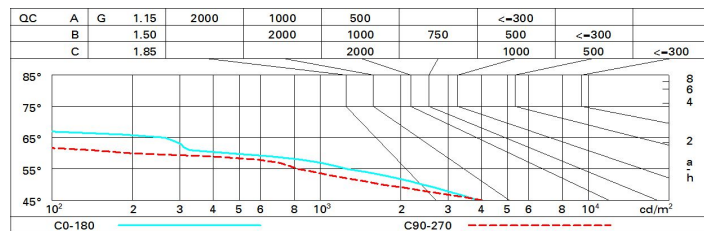
Number of lamps for optical assembly: 1
 Socket: /
 Ballast losses [W]: 2.4
 Colour temperature [K]: 4000
 CRI: 80
 Wavelength [Nm]: /
 MacAdam Step: 2

Polar

Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	41	39	37	36	38	37	37	35	77
1.0	43	41	40	38	40	39	39	37	82
1.5	45	44	43	42	43	42	42	40	88
2.0	47	46	45	44	45	44	44	42	92
2.5	47	47	46	45	46	45	45	44	95
3.0	48	48	47	47	47	46	46	45	97
4.0	49	48	48	48	47	47	46	45	99
5.0	49	49	48	48	48	48	47	46	100

Luminance curve limit



UGR diagram

Corrected UGR values (at 2000 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	2.6	3.1	2.9	3.4	3.6	6.8	7.4	7.1	7.6	7.8
	3H	2.5	3.0	2.8	3.3	3.5	6.7	7.2	7.0	7.5	7.8
	4H	2.4	2.9	2.8	3.2	3.5	6.6	7.1	7.0	7.4	7.7
	6H	2.3	2.8	2.7	3.1	3.4	6.5	7.0	6.9	7.3	7.6
	8H	2.3	2.7	2.7	3.1	3.4	6.5	6.9	6.9	7.3	7.6
	12H	2.3	2.7	2.6	3.0	3.4	6.5	6.9	6.8	7.2	7.6
4H	2H	2.4	2.9	2.8	3.2	3.5	6.6	7.1	6.9	7.4	7.7
	3H	2.3	2.7	2.7	3.1	3.4	6.5	6.9	6.9	7.2	7.6
	4H	2.2	2.6	2.6	3.0	3.4	6.4	6.7	6.8	7.1	7.5
	6H	2.2	2.5	2.6	2.9	3.3	6.3	6.6	6.7	7.0	7.4
	8H	2.1	2.4	2.6	2.8	3.3	6.3	6.5	6.7	7.0	7.4
	12H	2.1	2.3	2.5	2.8	3.2	6.2	6.5	6.7	6.9	7.3
8H	4H	2.1	2.4	2.6	2.8	3.2	6.3	6.5	6.7	7.0	7.4
	6H	2.0	2.3	2.5	2.7	3.2	6.2	6.4	6.6	6.8	7.3
	8H	2.0	2.2	2.5	2.6	3.1	6.1	6.3	6.6	6.8	7.3
	12H	1.9	2.1	2.4	2.6	3.1	6.1	6.2	6.6	6.7	7.2
12H	4H	2.1	2.3	2.5	2.8	3.2	6.2	6.5	6.7	6.9	7.4
	6H	2.0	2.2	2.5	2.6	3.1	6.1	6.3	6.6	6.8	7.3
	8H	1.9	2.1	2.4	2.6	3.1	6.1	6.2	6.6	6.7	7.2
Variations with the observer position at spacing:											
S =	1.0H	3.0 / -7.9					3.9 / -9.4				
	1.5H	4.7 / -8.8					6.6 / -18.6				
	2.0H	6.6 / -13.5					8.6 / -19.7				