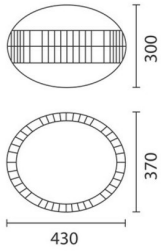


Last information update: June 2018

**downlight emission - neutral white - DALI****Product code**

N308

Technical description

Luminaire consisting of two polycarbonate shells with a photoengraved surface for optimal light diffusion. The shells are closed with specific supports that the suspension cables (accessories) are connected to. The coupling between the shells is made watertight by a silicone gasket located around the edge and a M24 nickel-plated brass cable gland for the power supply cable outlet. The superpure microperforated aluminium surface of the reflector is protected by a microprismatic glass cover. Product complete with neutral white 4,000K colour tone C.o.B. LEDs positioned on the support plate of the two shells.

Installation

Ceiling-mounted with suspension cables to be ordered separately.

Dimension (mm)

430x370x300

Colour

Nitric (65)

Weight (Kg)

5.44

Mounting

ceiling surface

Wiring

Product complete with DALI components

Complies with EN60598-1 and pertinent regulations

IP66

**Product configuration: N308****Product characteristics**

Total lighting output [Lm]: 3799
 Total power [W]: 34.1
 Luminous efficacy [Lm/W]: 111.4
 Life Time: > 50,000h - L80 - B10 (Ta 25°C)

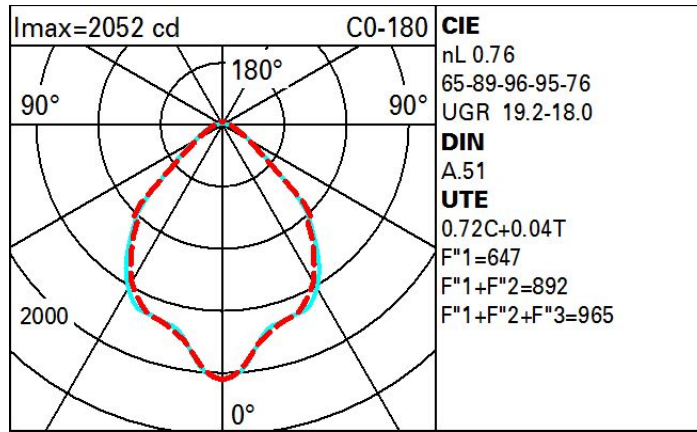
Total luminous flux at or above an angle of 90° [Lm]: 196
 Emergency luminous flux [Lm]: /
 Voltage [V]: -
 Number of optical assemblies: 1

Optical assembly Characteristics Type 1

Light Output Ratio (L.O.R.) [%]: 76
 Lamp code: LED
 ZVEI Code: LED
 Nominal power [W]: 31
 Nominal luminous [Lm]: 5000
 Lamp maximum intensity [cd]: /
 Beam angle [°]: /

Number of lamps for optical assembly: 1
 Socket: /
 Ballast losses [W]: 3.1
 Colour temperature [K]: 4000
 CRI: 80
 Wavelength [Nm]: /
 MacAdam Step: 2

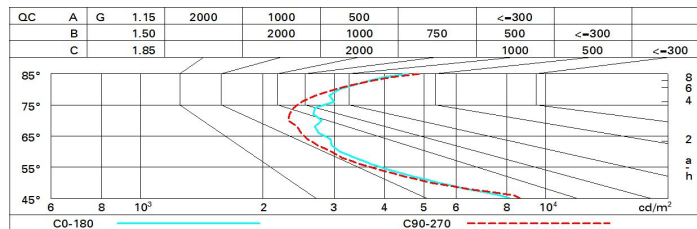
Polar



Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	55	48	44	40	47	43	42	37	52
1.0	59	53	49	46	52	48	47	42	59
1.5	66	61	57	54	59	56	55	50	70
2.0	70	66	63	60	64	61	60	55	77
2.5	72	69	66	64	67	64	63	59	81
3.0	73	71	68	66	69	67	65	61	85
4.0	75	73	71	69	71	69	67	63	88
5.0	76	74	73	71	72	71	69	65	90

Luminance curve limit



UGR diagram

Corrected UGR values (at 5000 lm bare lamp luminous flux)											
Reflect.:		0.70	0.70	0.50	0.50	0.30	0.70	0.70	0.50	0.50	0.30
ceiling/cav		0.70	0.70	0.50	0.50	0.30	0.70	0.70	0.50	0.50	0.30
walls		0.50	0.30	0.50	0.30	0.30	0.50	0.30	0.50	0.30	0.30
work pl.		0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
Room dim		viewed crosswise					viewed endwise				
x	y										
2H	2H	16.6	17.5	17.0	17.8	18.2	16.4	17.3	16.8	17.7	18.0
	3H	17.2	18.0	17.6	18.4	18.8	16.6	17.4	17.0	17.7	18.1
	4H	17.6	18.3	18.0	18.7	19.2	16.6	17.3	17.0	17.7	18.2
	6H	18.0	18.7	18.4	19.1	19.6	16.6	17.3	17.0	17.7	18.2
	8H	18.2	18.9	18.7	19.3	19.8	16.6	17.3	17.0	17.7	18.1
	12H	18.5	19.1	18.9	19.6	20.0	16.6	17.2	17.0	17.6	18.1
4H	2H	16.7	17.5	17.2	17.9	18.3	17.2	18.0	17.7	18.4	18.8
	3H	17.6	18.3	18.1	18.7	19.2	17.6	18.3	18.1	18.7	19.2
	4H	18.2	18.8	18.7	19.3	19.8	17.8	18.4	18.3	18.8	19.3
	6H	18.8	19.3	19.4	19.8	20.4	18.0	18.5	18.5	19.0	19.5
	8H	19.2	19.6	19.7	20.1	20.7	18.0	18.5	18.6	19.0	19.6
	12H	19.5	20.0	20.1	20.5	21.1	18.1	18.5	18.6	19.0	19.6
8H	4H	18.5	18.9	19.0	19.4	20.0	18.7	19.2	19.3	19.7	20.3
	6H	19.3	19.7	19.9	20.3	20.9	19.1	19.5	19.7	20.0	20.6
	8H	19.9	20.2	20.4	20.8	21.4	19.3	19.7	19.9	20.2	20.8
	12H	20.4	20.7	21.0	21.3	21.9	19.6	19.9	20.2	20.4	21.1
12H	4H	18.5	18.9	19.0	19.4	20.0	19.2	19.6	19.7	20.1	20.7
	6H	19.5	19.8	20.0	20.3	21.0	19.7	20.0	20.2	20.6	21.2
	8H	20.1	20.4	20.7	21.0	21.6	20.0	20.3	20.6	20.8	21.5
Variations with the observer position at spacing:											
S =	1.0H	0.4 / -0.4					0.5 / -0.5				
	1.5H	0.8 / -0.7					0.9 / -0.9				
	2.0H	1.5 / -1.0					1.6 / -1.1				