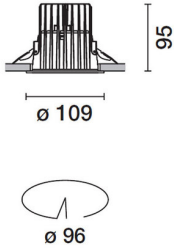


## Reflex

Design iGuzzini

iGuzzini

Last information update: May 2018



### Fixed circular recessed luminaire - Ø 96 mm - warm white - white optic - DALI

**Product code**  
Q961

#### Technical description

Fixed round luminaire designed to use a LED lamp with C.O.B. technology. Version with rim for surface-mounting. Reflector painted white with a layer of anti-scratch protection. Die-cast aluminium body and passive dissipation system. Product complete with LED lamp in warm white colour tone (2700K). General lighting beam.

#### Installation

Recessed using torsion springs which allow easy installation in false ceilings with thicknesses ranging from 1 mm to 20 mm.

**Dimension (mm)**  
Ø109x95

**Colour**  
White (01)

**Weight (Kg)**  
0.65

**Mounting**  
ceiling recessed

**Wiring**  
product complete with DALI components

Complies with EN60598-1 and pertinent regulations

IP20 IP54



#### Product configuration: Q961

#### Product characteristics

Total lighting output [Lm]: 917  
Total power [W]: 13.9  
Luminous efficacy [Lm/W]: 66  
Life Time: > 50,000h - L80 - B10 (Ta 25°C)

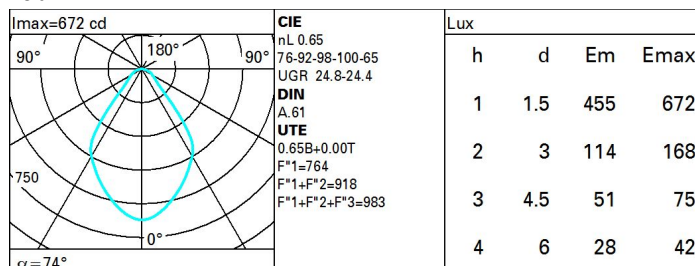
Total luminous flux at or above an angle of 90° [Lm]: 0  
Emergency luminous flux [Lm]: /  
Voltage [V]: -  
Number of optical assemblies: 1

#### Optical assembly Characteristics Type 1

Light Output Ratio (L.O.R.) [%]: 65  
Lamp code: LED  
ZVEI Code: LED  
Nominal power [W]: 12  
Nominal luminous [Lm]: 1400  
Lamp maximum intensity [cd]: /  
Beam angle [°]: 74°

Number of lamps for optical assembly: 1  
Socket: /  
Ballast losses [W]: 1.9  
Colour temperature [K]: 2700  
CRI: 90  
Wavelength [nm]: /  
MacAdam Step: 2

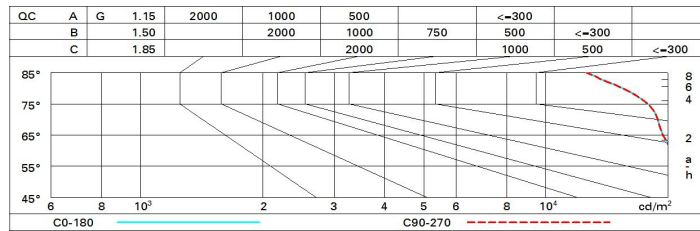
#### Polar



Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	52	47	44	41	46	43	43	40	61
1.0	55	51	48	45	50	47	47	44	67
1.5	60	57	54	52	56	53	53	50	76
2.0	63	60	58	56	59	57	57	54	82
2.5	65	63	61	59	61	60	59	57	86
3.0	66	64	63	61	63	62	61	58	89
4.0	67	66	65	64	65	64	63	60	92
5.0	68	67	66	65	66	65	64	62	94

Luminance curve limit



UGR diagram

Corrected UGR values (at 1400 lm bare lamp luminous flux)											
Reflect.:		viewed crosswise					viewed endwise				
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	22.3	23.1	22.6	23.4	23.6	22.3	23.1	22.6	23.4	23.6
	3H	23.1	23.9	23.5	24.2	24.5	22.5	23.3	22.8	23.6	23.8
	4H	23.5	24.3	23.9	24.6	24.9	22.6	23.3	22.9	23.6	23.9
	6H	23.8	24.5	24.2	24.9	25.2	22.6	23.3	22.9	23.6	23.9
	8H	23.9	24.6	24.3	24.9	25.3	22.6	23.2	22.9	23.6	23.9
	12H	24.0	24.6	24.4	25.0	25.3	22.5	23.2	22.9	23.5	23.9
4H	2H	22.6	23.3	22.9	23.6	23.9	23.5	24.3	23.9	24.6	24.9
	3H	23.7	24.3	24.0	24.6	25.0	24.0	24.6	24.4	25.0	25.3
	4H	24.2	24.8	24.6	25.1	25.5	24.2	24.8	24.6	25.1	25.5
	6H	24.6	25.1	25.1	25.5	26.0	24.4	24.9	24.8	25.3	25.7
	8H	24.8	25.2	25.2	25.6	26.1	24.4	24.9	24.8	25.3	25.7
	12H	24.8	25.3	25.3	25.7	26.2	24.4	24.8	24.9	25.2	25.7
8H	4H	24.4	24.9	24.8	25.3	25.7	24.8	25.2	25.2	25.6	26.1
	6H	24.9	25.3	25.4	25.8	26.2	25.0	25.4	25.5	25.9	26.3
	8H	25.1	25.5	25.6	25.9	26.4	25.1	25.5	25.6	25.9	26.4
	12H	25.3	25.6	25.8	26.0	26.6	25.2	25.5	25.7	26.0	26.5
12H	4H	24.4	24.8	24.9	25.2	25.7	24.8	25.3	25.3	25.7	26.2
	6H	25.0	25.3	25.5	25.8	26.3	25.1	25.5	25.6	25.9	26.4
	8H	25.2	25.5	25.7	26.0	26.5	25.3	25.6	25.8	26.0	26.6
Variations with the observer position at spacing:											
S =	1.0H	0.9 / -0.6					0.9 / -0.6				
	1.5H	1.8 / -0.9					1.8 / -0.9				
	2.0H	3.0 / -1.1					3.0 / -1.1				