

Last information update: May 2018

**wall-washer luminaire - Ø 96 mm - warm white - frame****Product code**

Q978

Technical description

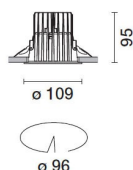
Recessed round wall-washer luminaire designed to use a LED lamp with C.O.B. technology. Version with rim for surface-mounting. Reflector vacuum-metallised with aluminium vapours and finished with a protective anti-scratch layer to create a vertical downward beam of light. Die-cast aluminium body and passive dissipation system. Product complete with C.O.B. LED lamp in warm white colour (2700K).

Installation

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

Dimension (mm)

Ø109x95

**Colour**

White/Aluminium (39)

Weight (Kg)

0.65

Mounting

ceiling recessed

Wiring

product complete with DALI components

Complies with EN60598-1 and pertinent regulations

IP20

IP54

**Product configuration: Q978****Product characteristics**

Total lighting output [Lm]: 768
 Total power [W]: 13.9
 Luminous efficacy [Lm/W]: 55.3
 Life Time: > 50,000h - L80 - B10 (Ta 25°C)

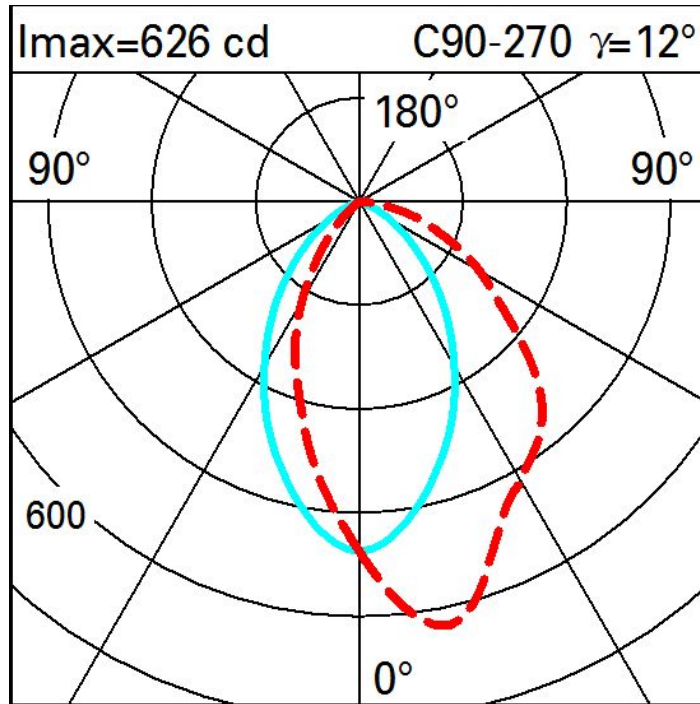
Total luminous flux at or above an angle of 90° [Lm]: 0
 Emergency luminous flux [Lm]: /
 Voltage [V]: -
 Number of optical assemblies: 1

Optical assembly Characteristics Type 1

Light Output Ratio (L.O.R.) [%]: 53
 Lamp code: LED
 ZVEI Code: LED
 Nominal power [W]: 12
 Nominal luminous [Lm]: 1450
 Lamp maximum intensity [cd]: /
 Beam angle [°]: /

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



Illuminances

Lux Wall distance = 1m

3						●					
	0.3	0.9	3	15	59	112	59	15	3	0.9	0.3
2	1	4	11	32	81	134	81	32	11	4	1
	3	6	14	33	63	81	63	33	14	6	3
1	3	7	13	25	38	46	38	25	13	7	3
	3	6	11	18	24	28	24	18	11	6	3
0											
	m	-2	-1	0	1	2	3				