

Last information update: March 2025

Product configuration: RN94.I3

RN94.I3: Pendant-mounted luminaire - Ø172 - UGR < 19 - Black-Champagne/White Transparent

**Product code**

RN94.I3: Pendant-mounted luminaire - Ø172 - UGR < 19 - Black-Champagne/White Transparent

Technical description

Direct lighting luminaire - pendant installation. LED source with high colour rendering index- controlled luminance emission $L < 3000$ cd/m² - UGR < 19 - ideal for environments with video screen use. PMMA emission unit made up of a transparent PMMA prismatic reflector in combination with the flow recovery unit and diffuser screen - an internal polycarbonate cover visually defines the optics unit. External structure of the light unit with double element in machined aluminium - finished with an even or combined painting. The practical bayonet coupling system allows for the two sections to be separated to perform all the operations prior to hanging. The upper part of the light unit is set up to be adjusted lengthwise, wired and to block the suspension cables/accessory power supply unit provided that is essential for completing the product. Integrated DALI dimmer power supply unit.

Installation

Pendant installation with accessory base unit to be ordered separately.

Colour

Black-Champagne/White Transparent (I3)

Weight (Kg)

1.09

Mounting

ceiling pendant

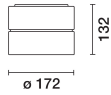
Wiring

Integrated DALI dimmer driver - wiring terminal board positioned in the upper part of the structure.

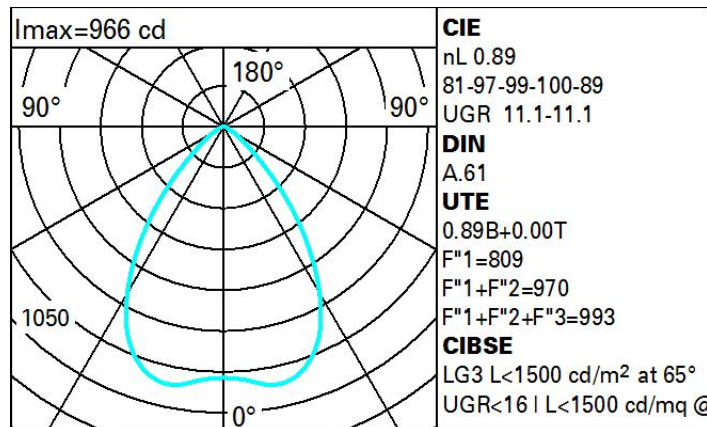
Complies with EN60598-1 and pertinent regulations



IP40

**Technical data**

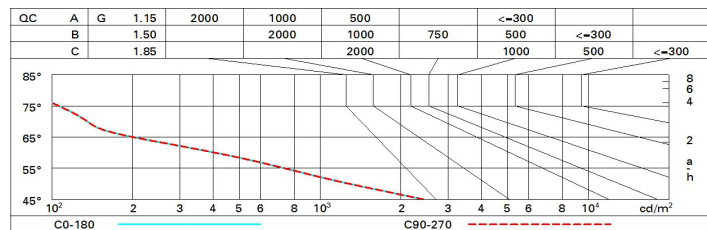
lm system:	1380	CRI (minimum):	90
W system:	9.6	Colour temperature [K]:	4000
lm source:	1550	MacAdam Step:	2
W source:	9.6	Lamp code:	LED
Luminous efficiency (lm/W, real value):	143.7	Number of lamps for optical assembly:	1
lm in emergency mode:	-	ZVEI Code:	LED
Total light flux at or above an angle of 90° [Lm]:	0	Number of optical assemblies:	1
Light Output Ratio (L.O.R.) [%]:	89	Control:	DALI-2

Polar

Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	72	66	62	59	65	62	61	57	64
1.0	77	72	68	65	71	67	67	63	70
1.5	84	79	76	73	78	75	74	71	80
2.0	87	84	81	79	83	80	79	76	85
2.5	89	87	85	83	85	83	83	79	89
3.0	91	89	87	85	87	86	84	82	92
4.0	92	91	89	88	89	88	87	84	94
5.0	93	92	91	90	90	89	88	85	95

Luminance curve limit



UGR diagram

Corrected UGR values (at 1550 lm bare lamp luminous flux)											
Reflect.: ceiling/cav walls work pl. Room dim x y		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
		viewed crosswise					viewed endwise				
2H	2H	11.5	12.3	11.8	12.5	12.8	11.5	12.3	11.8	12.5	12.8
	3H	11.4	12.1	11.7	12.4	12.7	11.4	12.1	11.7	12.4	12.7
	4H	11.3	12.0	11.7	12.3	12.6	11.3	12.0	11.7	12.3	12.6
	6H	11.3	11.9	11.6	12.2	12.5	11.2	11.9	11.6	12.2	12.5
	8H	11.2	11.8	11.6	12.2	12.5	11.2	11.8	11.6	12.1	12.5
	12H	11.2	11.8	11.6	12.1	12.5	11.2	11.7	11.6	12.1	12.4
4H	2H	11.3	12.0	11.7	12.3	12.6	11.3	12.0	11.7	12.3	12.6
	3H	11.2	11.8	11.6	12.1	12.5	11.3	11.8	11.6	12.2	12.5
	4H	11.2	11.7	11.6	12.1	12.5	11.2	11.7	11.6	12.1	12.5
	6H	11.1	11.6	11.6	12.0	12.4	11.1	11.6	11.6	12.0	12.4
	8H	11.1	11.5	11.6	11.9	12.4	11.1	11.5	11.5	11.9	12.3
	12H	11.1	11.4	11.5	11.9	12.3	11.0	11.4	11.5	11.8	12.3
8H	4H	11.1	11.5	11.5	11.9	12.3	11.1	11.5	11.6	11.9	12.4
	6H	11.0	11.4	11.5	11.8	12.3	11.1	11.4	11.5	11.8	12.3
	8H	11.0	11.3	11.5	11.8	12.3	11.0	11.3	11.5	11.8	12.3
	12H	11.0	11.2	11.5	11.7	12.2	11.0	11.2	11.5	11.7	12.2
12H	4H	11.0	11.4	11.5	11.8	12.3	11.1	11.4	11.5	11.9	12.3
	6H	11.0	11.3	11.5	11.7	12.2	11.0	11.3	11.5	11.8	12.3
	8H	11.0	11.2	11.5	11.7	12.2	11.0	11.2	11.5	11.7	12.2
Variations with the observer position at spacing:											
S =		1.0H	2.7 / -4.4				2.7 / -4.4				
		1.5H	5.1 / -7.3				5.1 / -7.3				
		2.0H	7.0 / -8.9				7.0 / -8.9				