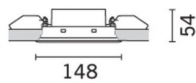


Last information update: April 2025

Product configuration: R614

R614: Frame recessed luminaire - 5 cells - General Lighting Pro - DALI

**Product code**

R614: Frame recessed luminaire - 5 cells - General Lighting Pro - DALI

Technical description

Rectangular recessed luminaire with 5 optical elements for LED lamps - fixed optics with metallised thermoplastic high definition Opti-Beam reflectors, integrated in a set-back position in the anti-glare screen. Main body with die-cast aluminium radiant surface, version with perimeter surface frame. The total white finish and the patented technology of the optic system guarantee an even and efficient luminous flux optimised by a special diffuser screen that reduces direct glare significantly. Supplied with DALI dimmable electronic control gear connected to the luminaire.

Installation

Recessed with steel wire springs for false ceilings from 1 to 25 mm thick - preparation hole 37 x 141.

Colour

White (01)

Weight (Kg)

0.3

Mounting

wall recessed/ceiling recessed

Wiring

On control gear box with quick-coupling connections.

Complies with EN60598-1 and pertinent regulations

**Technical data**

lm system:	900	CRI (typical):	92
W system:	12.7	Colour temperature [K]:	4000
lm source:	1200	MacAdam Step:	3
W source:	9.9	Life Time LED 1:	> 50,000h - L90 - B10 (Ta 25°C)
Luminous efficiency (lm/W, real value):	70.9	Lamp code:	LED
lm in emergency mode:	-	Number of lamps for optical assembly:	1
Total light flux at or above an angle of 90° [Lm]:	0	ZVEI Code:	LED
Light Output Ratio (L.O.R.) [%]:	75	Number of optical assemblies:	1
CRI (minimum):	90	Control:	DALI-2

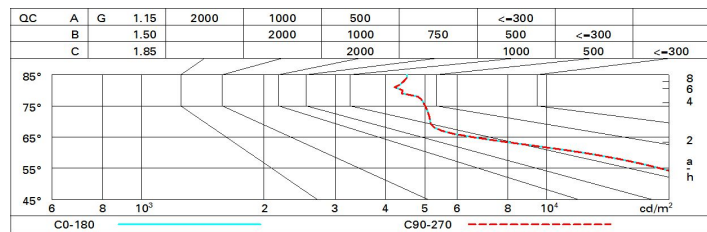
Polar

	CIE nL 0.75 88-98-100-100-75 UGR 19.4-19.3 DIN A.61 UTE 0.75A+0.00T F*1=881 F*1+F*2=980 F*1+F*2+F*3=996			
	Lux			
	h	d	Em	E _{max}
	1	0.9	994	1283
	2	1.8	248	321
	3	2.7	110	143
	4	3.6	62	80

Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	64	59	56	54	58	56	55	52	70
1.0	67	63	60	58	62	60	59	56	75
1.5	72	69	66	64	68	66	65	62	83
2.0	75	72	70	69	71	70	69	66	88
2.5	76	74	73	72	73	72	71	69	92
3.0	77	76	75	74	75	74	73	71	94
4.0	79	77	77	76	76	75	74	72	96
5.0	79	78	78	77	77	76	75	73	97

Luminance curve limit



UGR diagram

Corrected UGR values (at 1200 lm bare lamp luminous flux)											
Reflect.:											
ceiling		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	19.2	19.9	19.5	20.1	20.4	19.2	19.9	19.5	20.1	20.4
	3H	19.2	19.9	19.6	20.1	20.4	19.3	19.9	19.6	20.1	20.4
	4H	19.3	19.8	19.6	20.1	20.4	19.2	19.8	19.6	20.1	20.4
	6H	19.3	19.8	19.6	20.1	20.4	19.2	19.7	19.5	20.0	20.3
	8H	19.2	19.8	19.6	20.1	20.4	19.1	19.6	19.5	20.0	20.3
	12H	19.2	19.7	19.6	20.1	20.4	19.1	19.6	19.5	19.9	20.3
4H	2H	19.2	19.8	19.6	20.1	20.4	19.3	19.8	19.6	20.1	20.4
	3H	19.3	19.8	19.7	20.1	20.5	19.3	19.8	19.7	20.2	20.5
	4H	19.3	19.8	19.7	20.1	20.5	19.3	19.8	19.7	20.1	20.5
	6H	19.4	19.7	19.8	20.1	20.6	19.3	19.7	19.7	20.1	20.5
	8H	19.4	19.7	19.8	20.1	20.6	19.3	19.6	19.7	20.0	20.5
	12H	19.4	19.7	19.8	20.1	20.6	19.2	19.5	19.7	20.0	20.4
8H	4H	19.3	19.6	19.7	20.0	20.5	19.4	19.7	19.8	20.1	20.6
	6H	19.4	19.6	19.8	20.1	20.6	19.4	19.7	19.9	20.1	20.6
	8H	19.4	19.6	19.9	20.1	20.6	19.4	19.6	19.9	20.1	20.6
	12H	19.4	19.6	19.9	20.1	20.6	19.4	19.6	19.9	20.1	20.6
12H	4H	19.2	19.5	19.7	20.0	20.4	19.4	19.7	19.8	20.1	20.6
	6H	19.3	19.6	19.8	20.0	20.5	19.4	19.6	19.9	20.1	20.6
	8H	19.4	19.6	19.9	20.1	20.6	19.4	19.6	19.9	20.1	20.6
Variations with the observer position at spacing:											
S =	1.0H	1.4 / -1.5					1.4 / -1.5				
	1.5H	3.1 / -3.7					3.1 / -3.7				
	2.0H	4.8 / -4.9					4.8 / -4.9				