

Last information update: July 2024

Product configuration: RR84

RR84: Surface-mounted - Small body spotlight - warm white - DALI - VERY WIDE-FLOOD



Product code

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Technical description

Wall or ceiling-mounted luminaire. High yield LED lamp with high color rendering index. Adjustable spotlight made of die-cast aluminium and thermoplastic material. Die-cast aluminium mounting base. Swivel joints allow the light emission of the spotlight to be set in direct or indirect mode. Fitted with mechanical aiming locks, so rotation and tilting movements can be locked in position to ensure efficient light aiming even after the original installation or during maintenance. The optical assembly is equipped with an accessory holding ring designed to contain a flat accessory. Another external component can also be applied - asymmetric screen / directional flaps; the external accessories can rotate freely about the spotlight longitudinal axis. DALI dimmable power supply unit integrated in the spotlight body.

Installation

Base for wall or ceiling-mounting - fixed to installation surface with screws and screw anchors (not included).

Colour

White (01) | Grey (15)

Weight (Kg)

0.95

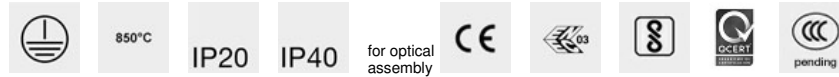
Mounting

wall surface|ceiling surface

Wiring

Integrated DALI dimmer power supply unit. Terminals for connecting to mains network available on the surface-mounted base.

Complies with EN60598-1 and pertinent regulations



Technical data

lm system:	1768	CRI (minimum):	90
W system:	22.3	Colour temperature [K]:	3000
lm source:	2080	MacAdam Step:	2
W source:	17	Life Time LED 1:	> 50,000h - L90 - B10 (Ta 25°C)
Luminous efficiency (lm/W, real value):	79.3	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.) [%]:	85	Number of optical assemblies:	1
Beam angle [°]:	46°	Control:	DALI-2

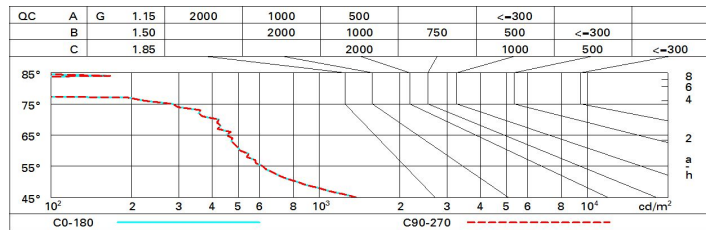
Polar

<p>Imax=3346 cd α = 46°</p>	<p>CIE nL 0.85 100-100-100-100-85 UGR <10-<10 DIN A.61 UTE 0.85A+0.00T F*1=998 F*1+F*2=1000 F*1+F*2+F*3=1000 CIBSE LG3 L<1500 cd/m² at 65° UGR<10 L<1500 cd/mq @65°</p>	Lux			
		h	d	Em	Emax
		2	1.7	695	817
		4	3.4	174	204
		6	5.1	77	91
8	6.8	43	51		

Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	77	73	70	68	72	70	69	67	78
1.0	80	77	74	72	76	73	73	70	83
1.5	84	81	79	78	80	79	78	75	89
2.0	87	85	83	82	84	82	81	79	93
2.5	88	87	86	85	86	85	84	81	96
3.0	89	88	87	87	87	86	85	83	98
4.0	90	90	89	89	88	88	86	84	99
5.0	91	90	90	90	89	89	87	85	100

Luminance curve limit



UGR diagram

Corrected UGR values (at 2080 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											
x	y										
2H	2H	0.3	0.9	0.6	7.1	7.3	0.3	0.9	0.6	7.1	7.3
	3H	0.2	0.7	0.5	7.0	7.2	0.2	0.7	0.5	7.0	7.2
	4H	0.1	0.6	0.4	6.9	7.2	0.1	0.6	0.4	6.9	7.2
	6H	0.0	0.5	0.4	6.8	7.1	0.0	0.5	0.4	6.8	7.1
	8H	0.0	0.4	0.4	6.7	7.1	0.0	0.4	0.3	6.7	7.1
	12H	0.0	0.4	0.3	6.7	7.1	0.0	0.4	0.3	6.7	7.0
4H	2H	0.1	0.6	0.4	6.9	7.2	0.1	0.6	0.4	6.9	7.2
	3H	0.0	0.4	0.3	6.7	7.1	0.0	0.4	0.3	6.7	7.1
	4H	5.9	6.2	6.3	6.6	7.0	5.9	6.2	6.3	6.6	7.0
	6H	5.8	6.1	6.2	6.5	6.9	5.8	6.1	6.2	6.5	6.9
	8H	5.7	6.0	6.2	6.5	6.9	5.8	6.0	6.2	6.5	6.9
	12H	5.7	6.0	6.2	6.4	6.8	5.7	6.0	6.2	6.4	6.8
8H	4H	5.8	6.0	6.2	6.5	6.9	5.7	6.0	6.2	6.5	6.9
	6H	5.7	5.9	6.1	6.3	6.8	5.7	5.9	6.1	6.3	6.8
	8H	5.6	5.8	6.1	6.3	6.8	5.6	5.8	6.1	6.3	6.8
	12H	5.6	5.7	6.1	6.2	6.7	5.6	5.7	6.1	6.2	6.7
12H	4H	5.7	6.0	6.2	6.4	6.8	5.7	6.0	6.2	6.4	6.8
	6H	5.6	5.8	6.1	6.3	6.8	5.6	5.8	6.1	6.3	6.8
	8H	5.6	5.7	6.1	6.2	6.7	5.6	5.7	6.1	6.2	6.7
Variations with the observer position at spacing:											
S =	1.0H	6.9 / -13.9					6.9 / -13.9				
	1.5H	9.7 / -14.8					9.7 / -14.8				
	2.0H	11.7 / -15.4					11.7 / -15.4				