

Last information update: July 2024

**Product configuration: RR83**

RR83: Surface-mounted - Small body spotlight - warm white - DALI - FLOOD

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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

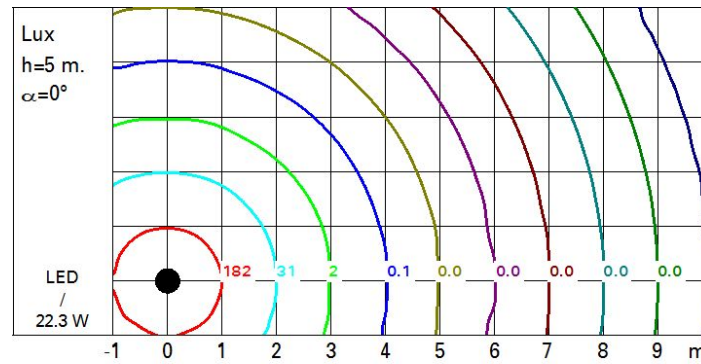
**Technical data**

lm system:	1706	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):	76.5	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.) [%]:	82	Number of optical assemblies:	1
Beam angle [°]:	28°	Control:	DALI-2

**Polar**

Imax=6670 cd		Lux			
90°	180°	h	d	Em	Emax
		2	1	1403	1667
		4	2	351	417
		6	3	156	185
		8	4	88	104
$\alpha = 28^\circ$					

### Isolux



### UGR diagram

Corrected UGR values (at 2080 lm bare lamp luminous flux)											
Reflect.:		viewed crosswise					viewed endwise				
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		x					y				
2H	2H	0.2	2.4	0.6	2.7	3.0	0.2	2.4	0.6	2.7	3.0
	3H	0.2	1.8	0.5	2.2	2.5	0.1	1.8	0.5	2.1	2.5
	4H	0.1	1.5	0.5	1.9	2.2	0.1	1.5	0.4	1.8	2.1
	6H	0.1	1.2	0.5	1.5	1.9	0.0	1.1	0.4	1.4	1.8
	8H	0.1	1.1	0.5	1.4	1.8	-0.0	1.0	0.4	1.4	1.7
	12H	0.0	1.0	0.4	1.4	1.8	-0.1	1.0	0.3	1.3	1.7
4H	2H	0.1	1.5	0.4	1.8	2.1	0.1	1.5	0.5	1.9	2.2
	3H	0.1	1.1	0.5	1.5	1.8	0.1	1.1	0.5	1.5	1.9
	4H	0.0	1.0	0.5	1.4	1.8	0.0	1.0	0.5	1.4	1.8
	6H	-0.3	1.4	0.1	1.8	2.3	-0.3	1.4	0.2	1.8	2.3
	8H	-0.5	1.4	0.0	1.9	2.4	-0.5	1.5	0.0	1.9	2.4
	12H	-0.6	1.4	-0.1	1.9	2.4	-0.6	1.4	-0.1	1.9	2.4
8H	4H	-0.5	1.5	0.0	1.9	2.4	-0.5	1.4	0.0	1.9	2.4
	6H	-0.6	1.3	-0.1	1.8	2.3	-0.6	1.3	-0.1	1.8	2.3
	8H	-0.6	1.1	-0.1	1.6	2.1	-0.6	1.1	-0.1	1.6	2.1
	12H	-0.4	0.6	0.1	1.1	1.7	-0.4	0.6	0.1	1.1	1.7
12H	4H	-0.6	1.4	-0.1	1.9	2.4	-0.6	1.4	-0.1	1.9	2.4
	6H	-0.6	1.0	-0.1	1.5	2.1	-0.6	1.1	-0.1	1.6	2.1
	8H	-0.4	0.6	0.1	1.1	1.7	-0.4	0.6	0.1	1.1	1.7
Variations with the observer position at spacing:											
S =		1.0H	6.0 / -6.5				6.0 / -6.5				
		1.5H	8.7 / -7.1				8.7 / -7.1				
		2.0H	10.7 / -8.1				10.7 / -8.1				