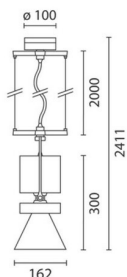


Last information update: July 2024

**Product configuration: RR81**

RR81: Pendant-mounted with base - Large body spotlight - warm white - DALI - WIDE-FLOOD

**Product code**

RR81: Pendant-mounted with base - Large body spotlight - warm white - DALI - WIDE-FLOOD

**Technical description**

Pendant luminaire with ceiling-mounted installation base. High yield LED lamp with high color rendering index. Adjustable pendant spotlight made of die-cast aluminium and thermoplastic material. Die-cast aluminium, ceiling-mounting base. The lower section of the base integrates the balanced pendant system with double steel cable - L max 2000 mm - and adjustment system. 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 ceiling-mounting - fixed to installation surface with screws and screw anchors (not included) - pendant cables L max 2000.

**Colour**

White (01) | Grey (15)

**Weight (Kg)**

1.26

**Mounting**

ceiling pendant

**Wiring**

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

Complies with EN60598-1 and pertinent regulations



850°C

IP20



pending

**Technical data**

Im system:	4043	Life Time LED 1:	> 50,000h - L90 - B10 (Ta 25°C)
W system:	43.4	Lamp code:	LED
Im source:	5250	Number of lamps for optical assembly:	1
W source:	39	ZVEI Code:	LED
Luminous efficiency (lm/W, real value):	93.1	Number of optical assemblies:	1
Im in emergency mode:	-	Power factor:	See installation instructions
Total light flux at or above an angle of 90° [Lm]:	0	Inrush current:	5 A / 50 µs
Light Output Ratio (L.O.R.) [%]:	77	Maximum number of luminaires of this type per miniature circuit breaker:	B10A: 31 luminaires B16A: 50 luminaires C10A: 52 luminaires C16A: 85 luminaires
Beam angle [°]:	44°	Minimum dimming %:	1
CRI (minimum):	90	Overvoltage protection:	2kV Common mode & 2kV Differential mode
Colour temperature [K]:	3000	Control:	DALI-2
MacAdam Step:	2		

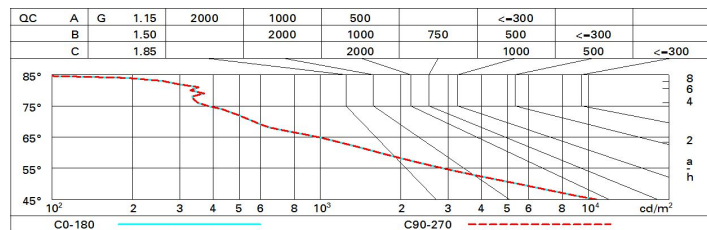
**Polar**

	Imax=8011 cd	<b>CIE</b> nL 0.77 98-100-100-100-77 UGR 11.7-11.7 <b>DIN</b> A.61 <b>UTE</b> 0.77A+0.00T F*1=983 F*1+F*2=999 F*1+F*2+F*3=1000 <b>CIBSE</b> LG3 L<1500 cd/m² at 65° UGR<16   L<1500 cd/mq @65°	Lux			
			h	d	Em	E <sub>max</sub>
			2	1.6	1615	2003
			4	3.2	404	501
			6	4.8	179	223
α=44°			8	6.4	101	125

# Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	69	65	63	61	65	62	62	59	77
1.0	72	69	66	65	68	66	66	63	82
1.5	76	73	71	70	72	71	70	68	88
2.0	78	76	75	74	75	74	73	71	92
2.5	80	78	77	76	77	76	75	73	95
3.0	81	80	79	78	79	78	77	75	97
4.0	82	81	80	80	80	79	78	76	99
5.0	82	82	81	81	80	80	79	77	100

# Luminance curve limit



# UGR diagram

Corrected UGR values (at 5250 lm bare lamp luminous flux)											
Reflect.: ceiling 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	12.2	12.8	12.5	13.1	13.3	12.2	12.8	12.5	13.1	13.3
	3H	12.1	12.7	12.4	12.9	13.2	12.1	12.7	12.4	12.9	13.2
	4H	12.1	12.6	12.4	12.8	13.1	12.1	12.6	12.4	12.8	13.1
	6H	12.0	12.4	12.3	12.7	13.1	12.0	12.4	12.3	12.8	13.1
	8H	11.9	12.4	12.3	12.7	13.0	11.9	12.4	12.3	12.7	13.1
	12H	11.9	12.3	12.3	12.7	13.0	11.9	12.3	12.3	12.7	13.0
4H	2H	12.1	12.6	12.4	12.8	13.1	12.1	12.6	12.4	12.8	13.1
	3H	11.9	12.3	12.3	12.7	13.0	11.9	12.3	12.3	12.7	13.0
	4H	11.8	12.2	12.2	12.6	13.0	11.8	12.2	12.2	12.6	13.0
	6H	11.8	12.1	12.2	12.5	12.9	11.7	12.1	12.2	12.5	12.9
	8H	11.7	12.0	12.1	12.4	12.9	11.7	12.0	12.1	12.4	12.9
	12H	11.7	11.9	12.1	12.4	12.8	11.7	11.9	12.1	12.4	12.8
8H	4H	11.7	12.0	12.1	12.4	12.9	11.7	12.0	12.1	12.4	12.9
	6H	11.6	11.9	12.1	12.3	12.8	11.6	11.9	12.1	12.3	12.8
	8H	11.6	11.8	12.0	12.2	12.7	11.6	11.8	12.0	12.2	12.7
	12H	11.5	11.7	12.0	12.2	12.7	11.5	11.7	12.0	12.2	12.7
12H	4H	11.7	11.9	12.1	12.4	12.8	11.7	11.9	12.1	12.4	12.8
	6H	11.6	11.8	12.0	12.2	12.7	11.6	11.8	12.0	12.2	12.7
	8H	11.5	11.7	12.0	12.2	12.7	11.5	11.7	12.0	12.2	12.7
Variations with the observer position at spacing:											
S =	1.0H	4.9 / -9.3					4.9 / -9.3				
	1.5H	7.6 / -12.7					7.6 / -12.7				
	2.0H	9.6 / -15.2					9.6 / -15.2				