

Last information update: January 2025

**Product configuration: RQ99**

RQ99: Dimmable electronic Ø102mm body - Wide Flood optic - Warm White

**Product code**

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**Technical description**

Adjustable spotlight with adapter for installation on an electrified track or base. High chromatic yield LED lamp with Warm White (3000K) tone and OptiBeam Lens optic system and Wide Flood optic. Dimmable electronic power supply integrated in product with Tool Free manual dimmer. Luminaire made of die-cast aluminium and thermoplastic material that allows a 360° rotation about the vertical axis and 90° tilting relative to the horizontal plane with mechanical aiming locks. Passive heat dissipation. Spotlight with "Push&Go" system designed to hold up to two flat accessories at the same time. The same system can also be used to apply another external component selected from the directional flaps and anti-glare screen. All internal accessories rotate 360° about the spotlight longitudinal axis.

**Installation**

Installation on an electrified track or base.

**Colour**

White (01) | Black (04)

**Weight (Kg)**

1.33

**Mounting**

wall surface|ceiling surface

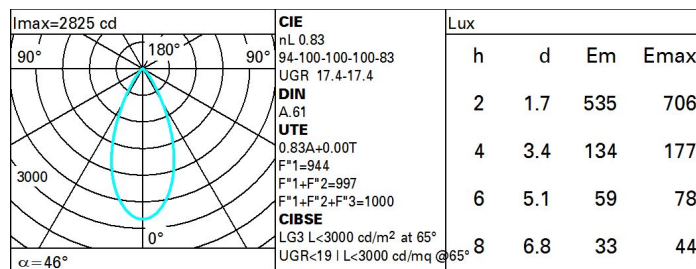
**Wiring**

Electronic components integrated in product

Complies with EN60598-1 and pertinent regulations

**Technical data**

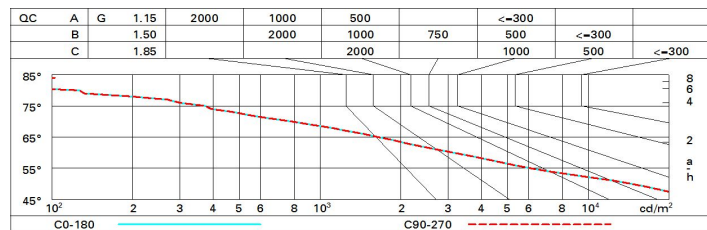
lm system:	1768	Life Time LED 1:	> 50,000h - L90 - B10 (Ta 25°C)
W system:	19.9	Lamp code:	LED
lm source:	2130	Number of lamps for optical assembly:	1
W source:	18	ZVEI Code:	LED
Luminous efficiency (lm/W, real value):	88.8	Number of optical assemblies:	1
lm in emergency mode:	-	Power factor:	See installation 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.) [%]:	83	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 [°]:	46°	Minimum dimming %:	1
CRI (minimum):	90	Overvoltage protection:	4kV Common mode & 2kV Differential mode
Colour temperature [K]:	3000	Control:	Completo di dimmer
MacAdam Step:	2		

**Polar**

# Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	73	68	65	63	68	65	65	62	74
1.0	76	73	70	68	72	69	69	66	79
1.5	81	78	76	74	77	75	74	72	86
2.0	84	82	80	78	80	79	78	76	91
2.5	85	84	82	81	83	81	80	78	94
3.0	87	85	84	83	84	83	82	80	96
4.0	88	87	86	85	85	85	83	81	98
5.0	88	88	87	87	86	86	84	82	99

# Luminance curve limit



# UGR diagram

Corrected UGR values (at 2130 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
		0.50	0.30	0.50	0.30	0.30	0.50	0.30	0.50	0.30
		0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
		viewed crosswise					viewed endwise			
2H	2H	17.9	18.0	18.2	18.8	19.0	17.9	18.0	18.2	18.8
	3H	17.8	18.4	18.1	18.6	18.9	17.8	18.4	18.1	18.6
	4H	17.7	18.3	18.1	18.5	18.8	17.7	18.3	18.1	18.6
	6H	17.7	18.1	18.0	18.4	18.8	17.7	18.1	18.0	18.5
	8H	17.6	18.1	18.0	18.4	18.7	17.6	18.1	18.0	18.4
	12H	17.6	18.0	18.0	18.4	18.7	17.6	18.0	18.0	18.4
4H	2H	17.7	18.3	18.1	18.6	18.9	17.7	18.3	18.1	18.5
	3H	17.6	18.0	18.0	18.4	18.7	17.6	18.0	18.0	18.4
	4H	17.5	17.9	17.9	18.3	18.7	17.5	17.9	17.9	18.3
	6H	17.4	17.8	17.9	18.2	18.6	17.4	17.8	17.9	18.2
	8H	17.4	17.7	17.8	18.1	18.5	17.4	17.7	17.8	18.1
	12H	17.3	17.6	17.8	18.0	18.5	17.3	17.6	17.8	18.0
8H	4H	17.4	17.7	17.8	18.1	18.5	17.4	17.7	17.8	18.1
	6H	17.3	17.5	17.8	18.0	18.5	17.3	17.5	17.8	18.0
	8H	17.2	17.5	17.7	17.9	18.4	17.2	17.5	17.7	17.9
	12H	17.2	17.4	17.7	17.9	18.4	17.2	17.4	17.7	17.9
12H	4H	17.3	17.6	17.8	18.0	18.5	17.3	17.6	17.8	18.0
	6H	17.2	17.5	17.7	17.9	18.4	17.2	17.5	17.7	17.9
	8H	17.2	17.4	17.7	17.9	18.4	17.2	17.4	17.7	17.9
Variations with the observer position at spacing:										
S =	1.0H	4.1 / -8.9					4.1 / -8.9			
	1.5H	6.8 / -13.9					6.8 / -13.9			
	2.0H	8.8 / -17.5					8.8 / -17.5			