

Last information update: April 2025

Product configuration: RT82.S2

RT82.S2: Luminaire L=880 - Warm White - Integrated DALI - Very Wide Flood (Down) optic - 51.7W 8308.5lm - 3000K - Black/White/White Transparent

**Product code**

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Technical description

Luminaire made of painted extruded aluminium, frame and caps made of injection-moulded thermoplastic. Very Wide Flood optic (80°) in a Space Opti-Diamond (PMMA) version with a rear cover available in a White (Transparent White) or Black (Transparent Black) version. Integrated DALI dimmable power supply with CRI80 direct emission Warm white (3000K) monochrome LED lamp (Mid-Power).

Installation

For an electrified track

Colour

Black/White/White Transparent (S2)

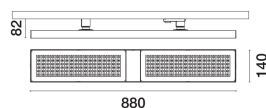
Weight (Kg)

2.73

Mounting

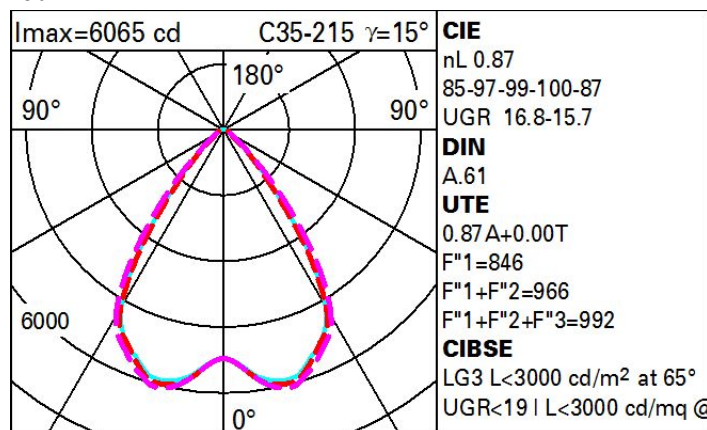
dali track|three circuit track

Complies with EN60598-1 and pertinent regulations

**Technical data**

Im system:	8309
W system:	47
Im source:	9550
W source:	47
Luminous efficiency (Im/W, real value):	176.8
Im in emergency mode:	-
Total light flux at or above an angle of 90° [Lm]:	0
Light Output Ratio (L.O.R.) [%]:	87
CRI (minimum):	80
Colour temperature [K]:	3000
MacAdam Step:	3

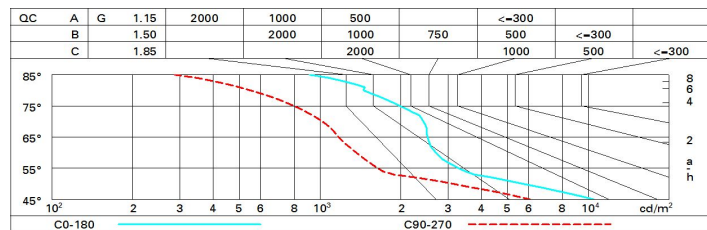
Lamp code:	LED
Number of lamps for optical assembly:	1
ZVEI Code:	LED
Number of optical assemblies:	1
Power factor:	See installation instructions
Inrush current:	10 A / - μs
Maximum number of luminaires of this type per miniature circuit breaker:	B10A: 12 luminaires B16A: 20 luminaires C10A: 20 luminaires C16A: 34 luminaires
Minimum dimming %:	1
Overvoltage protection:	2kV Common mode & 1kV Differential mode
Control:	DALI-2

Polar

Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	72	67	63	60	66	62	62	58	67
1.0	77	72	68	65	71	67	67	63	73
1.5	82	79	75	73	77	75	74	70	81
2.0	86	83	80	78	82	79	78	75	87
2.5	88	85	84	82	84	82	81	78	90
3.0	89	87	86	84	86	85	83	81	93
4.0	91	89	88	87	88	87	85	83	95
5.0	91	90	89	88	89	88	86	84	96

Luminance curve limit



UGR diagram

Corrected UGR values (at 9550 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	0.30
		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	16.7	17.4	17.0	17.7	17.9	15.8	16.5	16.1	16.8	17.0
	3H	16.8	17.5	17.1	17.7	18.0	15.7	16.4	16.0	16.7	16.9
	4H	16.8	17.5	17.2	17.8	18.1	15.6	16.3	16.0	16.6	16.9
	6H	16.8	17.4	17.2	17.8	18.1	15.6	16.2	15.9	16.5	16.8
	8H	16.8	17.4	17.2	17.7	18.1	15.6	16.1	15.9	16.5	16.8
	12H	16.8	17.4	17.2	17.7	18.1	15.5	16.1	15.9	16.4	16.8
4H	2H	16.5	17.2	16.9	17.5	17.8	15.8	16.5	16.2	16.8	17.1
	3H	16.7	17.2	17.1	17.6	17.9	15.8	16.3	16.2	16.7	17.0
	4H	16.8	17.2	17.2	17.8	18.0	15.8	16.3	16.2	16.6	17.0
	6H	16.8	17.2	17.3	17.6	18.1	15.7	16.2	16.2	16.6	17.0
	8H	16.8	17.2	17.3	17.6	18.1	15.7	16.1	16.2	16.5	17.0
	12H	16.8	17.2	17.3	17.6	18.1	15.7	16.0	16.1	16.5	16.9
8H	4H	16.7	17.1	17.1	17.5	17.9	15.8	16.2	16.2	16.6	17.0
	6H	16.8	17.1	17.2	17.5	18.0	15.8	16.1	16.3	16.6	17.0
	8H	16.8	17.1	17.3	17.5	18.0	15.8	16.0	16.3	16.5	17.0
	12H	16.8	17.0	17.3	17.5	18.0	15.8	16.0	16.3	16.5	17.0
12H	4H	16.6	17.0	17.1	17.4	17.9	15.8	16.1	16.2	16.5	17.0
	6H	16.7	17.0	17.2	17.5	18.0	15.8	16.0	16.3	16.5	17.0
	8H	16.8	17.0	17.3	17.5	18.0	15.8	16.0	16.3	16.5	17.0
Variations with the observer position at spacing:											
S =		1.0H	2.7 / -3.8				3.0 / -4.4				
		1.5H	5.2 / -4.3				5.2 / -4.9				
		2.0H	7.1 / -4.9				7.1 / -5.2				