

Last information update: November 2025

Product configuration: RT86.S1

RT86.S1: Luminaire L=880 - Warm White - Integrated DALI - Very Wide Flood (Down) optic - 62.3W 8265lm - 3000K - CRI 90 - White/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 CRI90 direct emission Warm white (3000K) monochrome LED lamp (Mid-Power).

Installation

For an electrified track

Colour

White/White/White Transparent (S1)

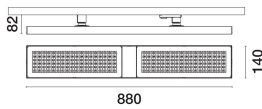
Weight (Kg)

2.73

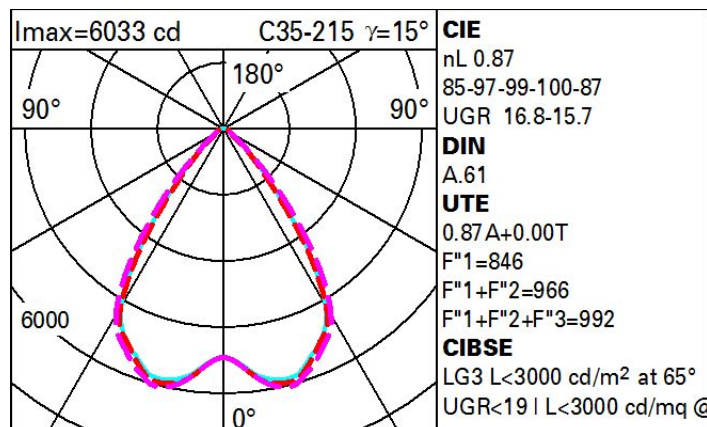
Mounting

dali track|three circuit track

Complies with EN60598-1 and pertinent regulations

**Technical data**

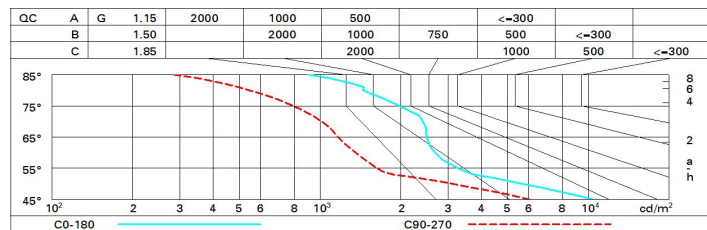
Im system:	8265	MacAdam Step:	3
W system:	62.3	Life Time LED 1:	> 50,000h - L90 - B10 (Ta 25°C)
Im source:	9500	Lamp code:	LED
W source:	57	Number of lamps for optical assembly:	1
Luminous efficiency (Im/W, real value):	132.7	ZVEI Code:	LED
Im in emergency mode:	-	Number of optical assemblies:	1
Total light flux at or above an angle of 90° [Lm]:	0	Power factor:	See installation instructions
Light Output Ratio (L.O.R.) [%]:	87	Inrush current:	10 A / - µs
CRI (minimum):	90	Maximum number of luminaires of this type per miniature circuit breaker:	B10A: 12 luminaires B16A: 20 luminaires C10A: 20 luminaires C16A: 34 luminaires
Rf (Colour Fidelity Index):	90	Minimum dimming %:	1
Rg (Gamut Index):	96	Overvoltage protection:	2kV Common mode & 1kV Differential mode
Colour temperature [K]:	3000	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 9500 lm bare lamp luminous flux)											
Reflect.: ceiling/cav walls work pl. Room dim x y		viewed crosswise					viewed endwise				
		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
2H	2H	16.7	17.4	16.9	17.7	17.9	15.7	16.5	16.0	16.8	17.0
	3H	16.8	17.4	17.1	17.7	18.0	15.7	16.4	16.0	16.6	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	17.7	18.1	15.6	16.2	15.9	16.5	16.8
	8H	16.8	17.4	17.2	17.7	18.1	15.5	16.1	15.9	16.4	16.8
	12H	16.8	17.4	17.2	17.7	18.1	15.5	16.0	15.9	16.4	16.7
4H	2H	16.5	17.2	16.8	17.4	17.8	15.8	16.4	16.1	16.7	17.0
	3H	16.7	17.2	17.0	17.6	17.9	15.8	16.3	16.2	16.7	17.0
	4H	16.7	17.2	17.2	17.6	18.0	15.8	16.2	16.2	16.6	17.0
	6H	16.8	17.2	17.2	17.6	18.0	15.7	16.1	16.2	16.5	17.0
	8H	16.8	17.2	17.3	17.6	18.1	15.7	16.1	16.1	16.5	16.9
	12H	16.8	17.1	17.3	17.6	18.0	15.7	16.0	16.1	16.4	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	16.2	16.5	17.0
	8H	16.8	17.0	17.3	17.5	18.0	15.8	16.0	16.2	16.5	17.0
	12H	16.8	17.0	17.3	17.5	18.0	15.7	16.0	16.2	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	15.7	16.0	16.2	16.5	17.0
	8H	16.7	17.0	17.2	17.5	18.0	15.7	16.0	16.2	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				