

Last information update: April 2025

Product configuration: RT73.S1

RT73.S1: Luminaire L=880 - CASAMBI - Very Wide Flood (Down) optic - UGR<19 - 33.2W 5046lm - 2700K - 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. 2700K CRI80 direct emission monochrome LED lamp (Mid-Power). Version with UGR < 19 controlled luminance - in compliance with the standard for use in environments with video monitors ($L \leq 3000 \text{ cd/m}^2$). Luminaire complete with power supply with CASAMBI Bluetooth technology, frequency 2.4 GHz. The luminaire can be controlled with the Casambi system app and components that enable on-off, dimming and scene recall functions. The app is available on the Apple Store and Google Play Store. It can be integrated in the system's mesh network that allows multiple luminaires to be controlled. Integrated Beacon that can be activated via an app (iBeacon) that enables smart functions for third party applications and the Jiminy Push Notification app.

Installation

For an electrified track

Colour

White/White/White Transparent (S1)

Weight (Kg)

2.73

Mounting

dali track|three circuit track

Notes

Max Luminaire-Luminaire distance 8 m.

The maximum distance is affected by physical obstacles, like walls, metal panels and the layout of the system.

Complies with EN60598-1 and pertinent regulations

**Technical data**

lm system: 5046

W system: 29

lm source: 5800

W source: 29

Luminous efficiency (lm/W, real value): 174

lm 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]: 2700

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

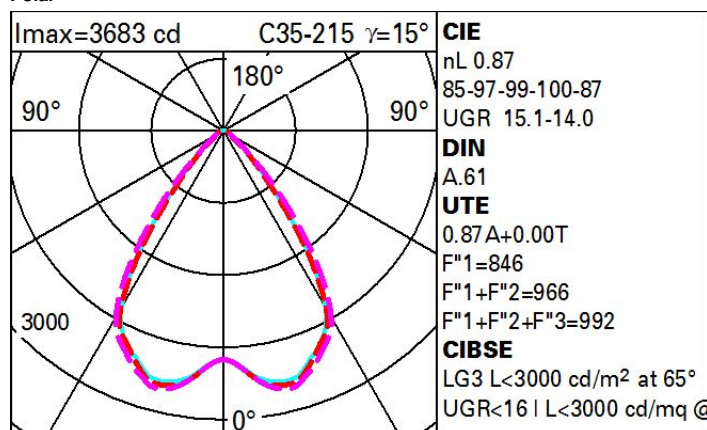
Inrush current: 5 A / 50 µs

Maximum number of luminaires of this type per miniature circuit breaker:

B10A: 31 luminaires
B16A: 50 luminaires
C10A: 52 luminaires
C16A: 85 luminaires

Overvoltage protection: 4kV Common mode & 2kV Differential mode

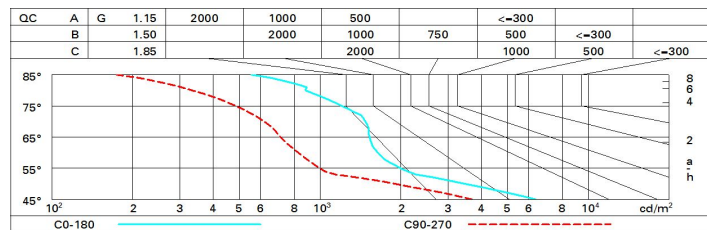
Control: Casambi

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 5000 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	14.9	15.7	15.2	15.9	16.2	14.0	14.8	14.3	15.0	15.3
	3H	15.0	15.7	15.4	16.0	16.3	14.0	14.7	14.3	14.9	15.2
	4H	15.1	15.7	15.4	16.0	16.3	13.9	14.6	14.3	14.9	15.2
	6H	15.1	15.7	15.5	16.0	16.4	13.8	14.4	14.2	14.8	15.1
	8H	15.1	15.7	15.5	16.0	16.4	13.8	14.4	14.2	14.7	15.1
12H	15.1	15.6	15.5	16.0	16.3	13.8	14.3	14.2	14.7	15.0	
4H	2H	14.8	15.4	15.1	15.7	16.0	14.1	14.7	14.4	15.0	15.3
	3H	15.0	15.5	15.3	15.8	16.2	14.1	14.6	14.4	15.0	15.3
	4H	15.0	15.5	15.4	15.9	16.3	14.0	14.5	14.4	14.9	15.3
	6H	15.1	15.5	15.5	15.9	16.3	14.0	14.4	14.4	14.8	15.2
	8H	15.1	15.5	15.5	15.9	16.3	14.0	14.4	14.4	14.8	15.2
12H	15.1	15.4	15.5	15.9	16.3	13.9	14.3	14.4	14.7	15.2	
8H	4H	15.0	15.3	15.4	15.8	16.2	14.1	14.4	14.5	14.9	15.3
	6H	15.0	15.4	15.5	15.8	16.3	14.1	14.4	14.5	14.8	15.3
	8H	15.1	15.3	15.5	15.8	16.3	14.0	14.3	14.5	14.8	15.3
	12H	15.1	15.3	15.6	15.8	16.3	14.0	14.3	14.5	14.7	15.3
12H	4H	14.9	15.3	15.4	15.7	16.2	14.0	14.4	14.5	14.8	15.3
	6H	15.0	15.3	15.5	15.7	16.2	14.0	14.3	14.5	14.8	15.3
	8H	15.0	15.3	15.5	15.7	16.3	14.0	14.3	14.5	14.8	15.3
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				