

Last information update: April 2025

**Product configuration: RT93.S1**

RT93.S1: Luminaire L=880 - CASAMBI - Very Wide Flood (Down) optic - 65.2W 7743lm - 2700K - 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. 2700K CRI90 direct emission monochrome LED lamp (Mid-Power). 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.

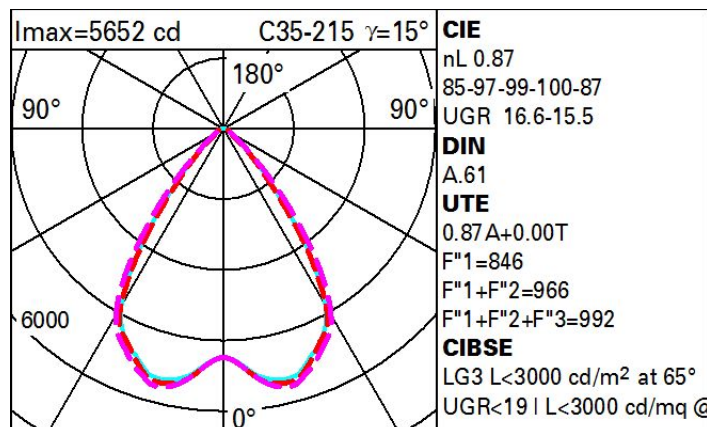
The maximum distance is affected by physical obstacles, like walls, metal panels and the layout of the system.

Complies with EN60598-1 and pertinent regulations

**Technical data**

lm system:	7743
W system:	57
lm source:	8900
W source:	57
Luminous efficiency (lm/W, real value):	135.8
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):	90
Colour temperature [K]:	2700

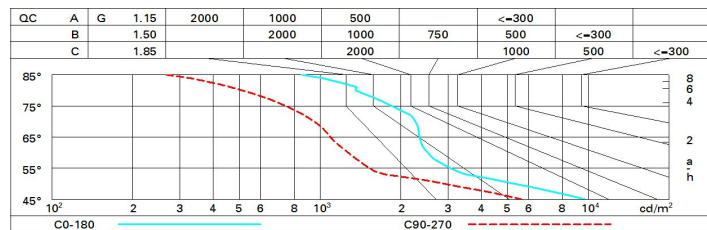
MacAdam Step:	3
Lamp code:	LED
Number of lamps for optical assembly:	1
ZVEI Code:	LED
Number of optical assemblies:	1
Power factor:	See installation instructions
Inrush current:	5 A / 50 µs
Maximum number of luminaires of this type per miniature circuit breaker:	B10A: 31 luminaires B16A: 50 luminaires 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 8900 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	16.4	17.2	16.7	17.4	17.7	15.5	16.3	15.8	16.5	16.8
	3H	16.5	17.2	16.9	17.5	17.8	15.5	16.1	15.8	16.4	16.7
	4H	16.6	17.2	16.9	17.5	17.8	15.4	16.0	15.7	16.3	16.6
	6H	16.6	17.2	17.0	17.5	17.8	15.3	15.9	15.7	16.2	16.6
	8H	16.6	17.2	17.0	17.5	17.8	15.3	15.9	15.7	16.2	16.6
	12H	16.6	17.1	17.0	17.5	17.8	15.3	15.8	15.7	16.2	16.5
4H	2H	16.3	16.9	16.6	17.2	17.5	15.6	16.2	15.9	16.5	16.8
	3H	16.4	17.0	16.8	17.3	17.7	15.6	16.1	15.9	16.4	16.8
	4H	16.5	17.0	16.9	17.4	17.8	15.5	16.0	15.9	16.4	16.8
	6H	16.6	17.0	17.0	17.4	17.8	15.5	15.9	15.9	16.3	16.7
	8H	16.6	17.0	17.0	17.4	17.8	15.5	15.9	15.9	16.3	16.7
	12H	16.6	16.9	17.0	17.4	17.8	15.4	15.8	15.9	16.2	16.7
8H	4H	16.4	16.8	16.9	17.2	17.7	15.5	15.9	16.0	16.3	16.8
	6H	16.5	16.8	17.0	17.3	17.8	15.5	15.9	16.0	16.3	16.8
	8H	16.5	16.8	17.0	17.3	17.8	15.5	15.8	16.0	16.3	16.8
	12H	16.5	16.8	17.0	17.3	17.8	15.5	15.7	16.0	16.2	16.7
12H	4H	16.4	16.8	16.9	17.2	17.6	15.5	15.9	16.0	16.3	16.8
	6H	16.5	16.8	17.0	17.2	17.7	15.5	15.8	16.0	16.3	16.8
	8H	16.5	16.7	17.0	17.2	17.8	15.5	15.8	16.0	16.2	16.8
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				