

PROJECT

FIXTURE TYPE

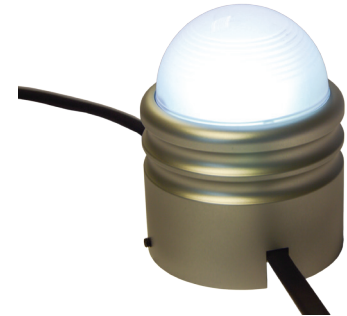
LOCATION

CONTACT

PHONE

Product Description

The MaxiLED Focal Facade Series provides durable low profile point-of-light fixtures that can be arranged in virtually any linear or matrix configuration. With up to 100 fixtures per run, Focal Facade installations deliver high impact lighting effects, over-sized video, or large-scale graphics to buildings and other structures utilizing the latest CREE LEDs.



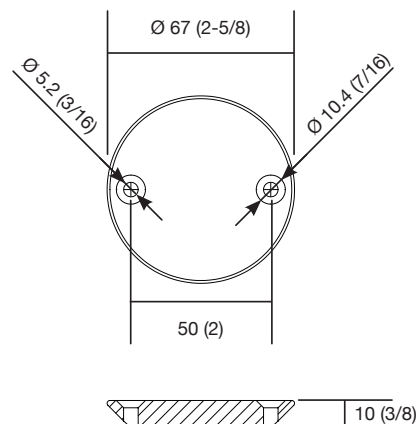
Product Specifications

- **Power Input:** 110-240VAC (50/60 Hz)
- **Power Output:** 48VAC with combined data over line voltage.
- **Light Output:** 84 lumens per Globe with matte lens and full RGBW on.
- **Watts:** 2.35W per Globe at full RGBW on.
- **Cable/Run Lengths:** 100 Globes per strand. 100 m (328 ft) maximum strand length. 75 m (246 ft) maximum length for starter cable at 2.5mmsq cable. or 15m (49 ft) at 1.5mm sq cable (connects power supply with strand).
- **Connectors:** Water-tight (IP68) and self-locking.
- **Light Source:** Multi-chip LED with red, green, blue, and white dies.
- **Lumen Maintenance:** Estimated 85% lumen maintenance at 70,000 hours, L70 predicted life of 132,000 hours.
- **Environment:** Dry, damp, and wet locations (IP 68). Not for use as a submersible light. Proper drainage required.
- **Cable:** 16 AWG. Weather resistant insulated rubber sheath with two core copper conductors. White or black.
- **Mounting:** Two-piece aluminum or stainless steel housing secures Globe and cable to surface at consistent 180° viewing angle.
- **Globe Lenses:** UV stabilized polycarbonate. Internally prismatic for maximum optical light output. Globe halves are hermetically sealed.
- **Operating Temperature:** -25° to 50°C (-13° to 122°F)
- **Weight:** Cable is 74g (2.6 oz) per meter. Globe and LED are 58g (2 oz) per assembly. Aluminum housings are 226g (8 oz) and stainless steel housings are 680g (24 oz) each.
- **Listings:** UL/cUL (pending), CE, FCC, IK07 impact protection, BS EN 60598, IEC 60598

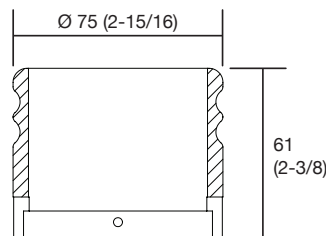
Dimensions

MM (INS)

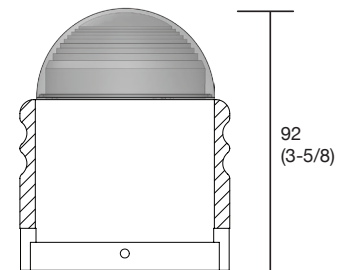
WALL PLATE



HOUSING



GLOBE IN HOUSING



SEE INSTALLATION INSTRUCTIONS

Ordering

EXAMPLES: FF-RGBW-AS-CL-BC-I-500-9000-100-90, FF-RGBW-AB-ML-WC-M-196-3000-100-30

PRODUCT CODE	LED COLOR	HOUSING	LENS	CABLE COLOR	UNITS	STARTER CABLE	LENGTH OF GLOBE CABLE	NUMBER OF GLOBES	GLOBE SPACING ¹
FF	RGBW								
FF Focal Facade Series	RGBW Each Globe includes a RGBW (red, green, blue, and white) LED and uses four DMX-512 channels	AS Anodized silver AB Anodized black SS Stainless steel RAL Painted to RAL specification EXAMPLE: RAL-7032	CL Clear lens ML Matte lens	BC Black cable WC White cable	I Imperial M Metric	CMS OR INS 100 cm (39-3/8 in) to 7500 cm (2952-3/4 in)	CMS OR INS	1 TO 100	CMS OR INS

TOTAL CABLE LENGTH MUST NOT EXCEED 175,000 CMS (574 FEET)
(GLOBES X GLOBE SPACING) + STARTER CABLE ≤ 175,000 CMS (574 FT)

Ordering Definitions and Assistance



GLOBE SPACING¹ GUIDELINES

NO. OF GLOBES	AVAILABLE GLOBE SPACING		NO. OF GLOBES	AVAILABLE GLOBE SPACING		NO. OF GLOBES	AVAILABLE GLOBE SPACING	
	METRIC (CMS)	IMPERIAL (INS)		METRIC (CMS)	IMPERIAL (INS)		METRIC (CMS)	IMPERIAL (INS)
1	1 to 10000	1 to 3937	35	1 to 285	1 to 112	69	1 to 144	1 to 57
2	1 to 5000	1 to 1968	36	1 to 277	1 to 109	70	1 to 142	1 to 56
3	1 to 3333	1 to 1312	37	1 to 270	1 to 106	71	1 to 140	1 to 55
4	1 to 2500	1 to 984	38	1 to 263	1 to 103	72	1 to 138	1 to 54
5	1 to 2000	1 to 787	39	1 to 256	1 to 100	73	1 to 136	1 to 53
6	1 to 1666	1 to 656	40	1 to 250	1 to 98	74	1 to 135	1 to 53
7	1 to 1428	1 to 562	41	1 to 243	1 to 96	75	1 to 133	1 to 52
8	1 to 1250	1 to 492	42	1 to 238	1 to 93	76	1 to 131	1 to 51
9	1 to 1111	1 to 437	43	1 to 232	1 to 91	77	1 to 129	1 to 51
10	1 to 1000	1 to 393	44	1 to 227	1 to 89	78	1 to 128	1 to 50
11	1 to 909	1 to 357	45	1 to 222	1 to 87	79	1 to 126	1 to 49
12	1 to 833	1 to 328	46	1 to 217	1 to 85	80	1 to 125	1 to 49
13	1 to 769	1 to 302	47	1 to 212	1 to 83	81	1 to 123	1 to 48
14	1 to 714	1 to 281	48	1 to 208	1 to 82	82	1 to 121	1 to 48
15	1 to 666	1 to 262	49	1 to 204	1 to 80	83	1 to 120	1 to 47
16	1 to 625	1 to 246	50	1 to 200	1 to 78	84	1 to 119	1 to 46
17	1 to 588	1 to 231	51	1 to 196	1 to 77	85	1 to 117	1 to 46
18	1 to 555	1 to 218	52	1 to 192	1 to 75	86	1 to 116	1 to 45
19	1 to 526	1 to 207	53	1 to 188	1 to 74	87	1 to 114	1 to 45
20	1 to 500	1 to 196	54	1 to 185	1 to 72	88	1 to 113	1 to 44
21	1 to 476	1 to 187	55	1 to 181	1 to 71	89	1 to 112	1 to 44
22	1 to 454	1 to 178	56	1 to 178	1 to 70	90	1 to 111	1 to 43
23	1 to 434	1 to 171	57	1 to 175	1 to 69	91	1 to 109	1 to 43
24	1 to 416	1 to 164	58	1 to 172	1 to 67	92	1 to 108	1 to 42
25	1 to 400	1 to 157	59	1 to 169	1 to 66	93	1 to 107	1 to 42
26	1 to 384	1 to 151	60	1 to 166	1 to 65	94	1 to 106	1 to 41
27	1 to 370	1 to 145	61	1 to 163	1 to 64	95	1 to 105	1 to 41
28	1 to 357	1 to 140	62	1 to 161	1 to 63	96	1 to 104	1 to 41
29	1 to 344	1 to 135	63	1 to 158	1 to 62	97	1 to 103	1 to 40
30	1 to 333	1 to 131	64	1 to 156	1 to 61	98	1 to 102	1 to 40
31	1 to 322	1 to 126	65	1 to 153	1 to 60	99	1 to 101	1 to 39
32	1 to 312	1 to 123	66	1 to 151	1 to 59	100	1 to 100	1 to 39
33	1 to 303	1 to 119	67	1 to 149	1 to 58			
34	1 to 294	1 to 115	68	1 to 147	1 to 57			

DETERMINE GLOBE SPACING¹

If you know the **LENGTH OF GLOBE CABLE** and the **NUMBER OF GLOBES** for a strand, you can verify your **GLOBE SPACING**.

- A) **LENGTH OF GLOBE CABLE** (CMS OR INS)
- B) **NUMBER OF GLOBES** (MAX 100).....
- C) Divide answer A by answer B.....

DETERMINE NUMBER OF GLOBES

If you know the **LENGTH OF GLOBE CABLE** and the **GLOBE SPACING**, you can verify your **NUMBER OF GLOBES**.

- A) **LENGTH OF GLOBE CABLE** (CMS OR INS)
- B) **GLOBE SPACING** (CMS OR INS).....
- C) Divide answer A by answer B.....

DETERMINE LENGTH OF GLOBE CABLE

If you know the **NUMBER OF GLOBES** and the **GLOBE SPACING** for a strand, you can verify your **LENGTH OF GLOBE CABLE**.

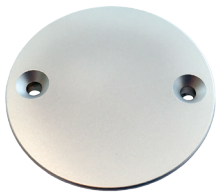
- A) **NUMBER OF GLOBES** (MAX 100).....
- B) **GLOBE SPACING** (CMS OR INS).....
- C) Divide answer A by answer B.....

¹ Specification sheet assumes Globes are spaced at the same distance on the strand. For inconsistently spaced Globes on a strand, contact factory.

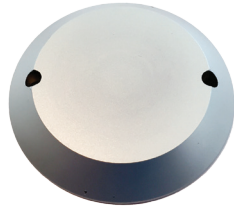
Installation ¹

MM (INS)

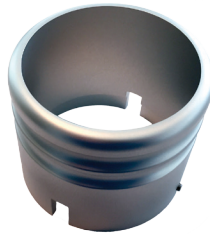
Parts



Mounting plate (front)



Mounting plate (wall side)



Housing



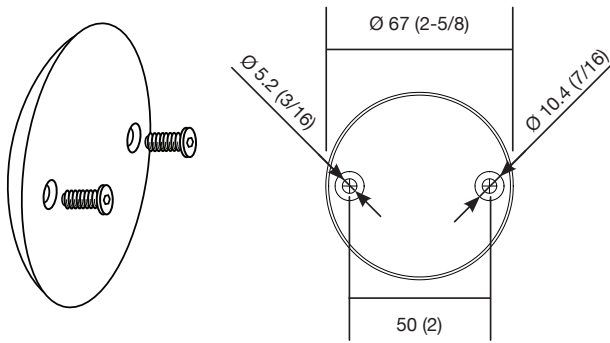
Hex wrench



Final installation example

Instructions

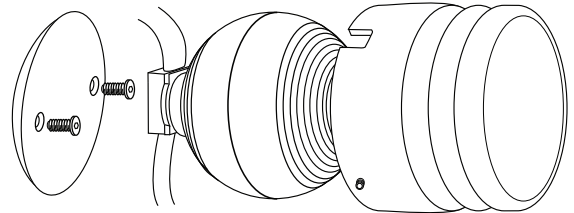
1. Install the mounting plate



Start installation at the end of the strand where the power will input. Measure and Mark out Facade fittings location. Mount the Facade fixing plate to the required location using suitable screws.

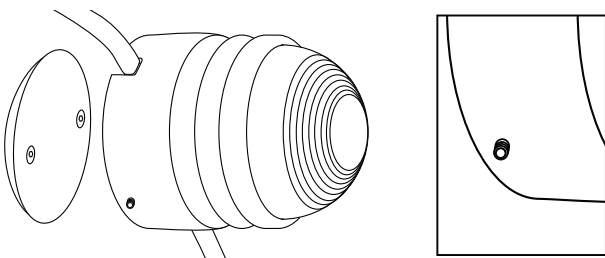
NOTE: Care must be taken when locating the mounting plate so that it corresponds with the pre-made cable harness.

2. Align facade housing to Globe cable



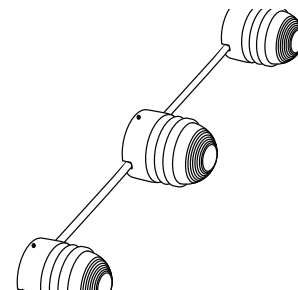
Place the required Globe into the Front Facade housing from the rear and align the cable into the two slots either side.

3. Secure Globe and housing to the mounting plate



Place the Globe into the facade housing. Push the unit up against the secured mounting plate. Using the supplied 2 mm (1/16 in) hex wrench tighten the two grub screws on either side of the housing. Ensure the housing is fitted flush against the surface.

4. Repeat procedure



Repeat process 1-3 until the installation is complete. Connect the strand to the correct power supply following installation instructions.

! This product must be installed by a qualified electrician in accordance with all national and local electrical and construction codes. Failure to comply with the installation instructions can result in injury or death.

Photometrics

Test performed on a single Focal Facade fixture with matte globe and full RGBW on (Part No. FF-RGBW-*-ML).

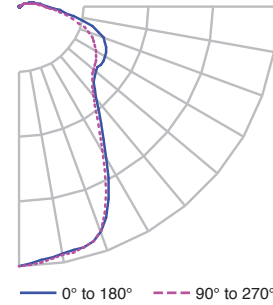
CANDELA DISTRIBUTION

	0°	22.5°	45°	67.5°	90°
0°	32	32	32	32	32
5°	31	31	31	31	31
15°	30	31	30	30	31
25°	26	26	26	25	25
35°	17	17	17	17	17
45°	13	13	13	12	13
55°	12	12	12	11	12
65°	12	11	11	10	10
75°	9	9	8	8	8
85°	5	5	5	4	4
90°	4	4	4	3	3

ZONAL LUMEN SUMMARY

	Lumens		Lumens
0-10	3.0	60-70	10.5
10-20	8.6	70-80	8.5
20-30	11.5	80-90	5.1
30-40	10.7	90-100	3.0
40-50	10.0	100-110	1.9
50-60	10.5	110-120	1.0

POLAR DISTRIBUTION



Notes