

CCFL-1 SERIES

Mini Area, Wall, and Flood Light



Project:	
Type:	
Catalog #:	



The CCFL-1 luminaire is available in two wattages with a wide choice of mounting configurations and optical distributions designed to replace HID lighting systems from 70w to 175w MH or HPS. Typical applications include general area, parking, flood, security, and accent lighting for retail centers, industrial parks, schools and universities, public transit and airports, office buildings and medical facilities. Mounting heights of 10 to 20 feet can be used based on light level and uniformity requirements.

SPECIFICATIONS AND FEATURES:

Housing:

Die Cast Aluminum Housing and Front Frame, Integral Heat Sinking and Driver Compartment. Photocell Adaptable. Nickel-Plated Stainless Steel Hardware.

Listing & Ratings:

CSA: Listed for Wet Locations, ANSI/UL 1598, 8750; IP66 Sealed LED Compartment.

Finish:

Textured Architectural Bronze Powdercoat Finish Over a Chromate Conversion Coating. Custom Colors Available Upon Request.

Lens:

Tempered Clear Flat or Flat Glass Lens

Mounting Options:

Mounts with Adjustable Knuckle, Arm, Adjustable Slipfitter, 2" Diameter Mounting Arm Adapter, Yoke, Two-Piece Bracket or Easy Hang Wall Bracket (Factory Installed).

LED:

Aluminum Boards

Driver:

Electronic Driver, 120-277V, 50/60Hz or 347V, 50/60Hz (37w Model Only); Less Than 20% THD and PF>0.90. Standard Internal Surge Protection is 2kV for 22w, 6kV for 37w. 0-10V Dimming Standard for a Dimming Range of 100% to 10%; Dimming Source Current is 150 Microamps.

Controls:

Fixtures Ordered with Factory-Installed Photocell or Motion Sensor Controls are Internally Wired for Switching and/or 1-10V Dimming Within the Housing. Remote Direct Wired Interface of 1-10V Dimming is Not Implied and May Not Be Available, Please Consult Factory. Fixtures are Tested with LEPC Controls and May Not Function Properly With Controls Supplied By Others. Fixtures are NOT Designed for Use with Line Voltage Dimmers.



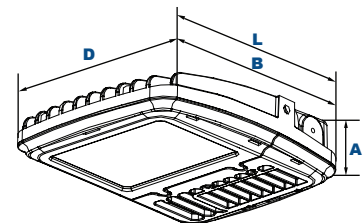
Shown with "AR" Arm Mounting Option.



Shown with "EH" Easy-Hang Wall Bracket



Shown with "SF" Slipfitter Option.



DIMENSIONS

Width (D)	9 1/2" (240mm)
Length (B)	11 1/4" (299mm)
Height (A)	3 3/4" (92mm)

Length with Mount (L)

Arm (AR): 16" (406mm)
Slipfitter (SF): 15 1/2" (394mm)
Mounting Arm Adapter (MA): 16" (406mm)
Yoke (Y): 14 3/4" (375mm)
Bracket (BR): 15 1/2" (394mm)
Easy-Hang Wall Bracket (KHEH): 12 3/4" (324mm)
Knuckle (K): 17 3/4" (450mm)

WARRANTY

5-Year Warranty for -40°C to +50°C Environment.

ORDERING INFORMATION:

CCFL-1								
Model	Optics/Beam	Wattage	Driver	CCT	Lens	Color	Mounting	Options
CCFL1 Mini Area, Wall, and Flood Light	C =Type III/ NEMA 7H x 7V F =Type V/ NEMA 7H x 7V I =Narrow Beam/ NEMA 4H x 4V* *Use with 5K Model Only.	22 =22w 37 =37w	LV =120-277V HV =347V* *37w Model Only.	3K =3000K* 4K =4000K* 5K =5000K *Use with 37w F Optic Only. *Use with C & F Optic Only.	S =Standard Clear Flat Glass Lens F = Flat Glass Lens	BZ =Bronze C =Custom (Consult Factory)	AR =Arm SF = Slipfitter MA = Mounting Arm Adapter Y =Yoke BR =Two-Piece Swivel Bracket EH =Easy-Hang Wall Bracket K =1/2" NPS Knuckle NM =No Mount	SF =Single Fuse (120-277V Only) DF =Double Fuse (120-277V Only) SP =Surge Protection M1 =Motion Sensor, IR for mounting heights of 20ft to 35ft M2 =Motion Sensor, IR for mounting heights of 18ft or less PC1 =Photocell, 120VAC PC3 =Photocell, 120-277VAC P10 =Pencil Photocell, 120VAC P12 =Pencil Photocell, 277VAC P14 =Pencil Photocell, 120-277VAC

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MOUNTING OPTIONS:



CCFL1 with Arm (AR)

Die-Cast Mounting Arm, Bronze Powdercoat Finish, Includes Hardware. Mounts Directly to Square Poles.



CCFL1 with Two-Piece Swivel Bracket (BR)

Two-Piece Stamped Steel Adjustable Bracket, Bronze Powdercoat Finish, Includes Hardware.



CCFL1 with Pole Mounting Arm Adaptor (MA)

Die-Cast Adaptor for 2 1/2" Horizontal Mounting Arms, Bronze Powdercoat Finish, Includes Hardware.



CCFL1 with Easy-Hang Bracket (EH)

Die-Cast Easy-Hang Wall Bracket, Bronze Powdercoat Finish, Includes Hardware.



CCFL1 with Yoke (Y)

Stamped Heavy-Duty Steel Yoke, Bronze Powdercoat Finish, Includes Hardware.



CCFL1 with Knuckle (K)


Die-Cast Adjustable Knuckle with 1/2" NPS Threads, Bronze Powdercoat Finish.





CCFL1 with External Mount Slipfitter (SF)



External Mount Die-Cast Adjustable Slipfitter for 2 1/2" Tenons, Bronze Powdercoat Finish, Includes Hardware.


EPA (Effective Projected Area)

Configuration	EPA (Sq. Ft.)	Weight (Lbs.)
 1	0.35	11 Lbs

Shown with Arm mounting.

Configuration	EPA (Sq. Ft.)	Weight (Lbs.)
 2@180° Mount	0.70	22 Lbs
 2@90° Mount	0.48	22 Lbs

Configuration	EPA (Sq. Ft.)	Weight (Lbs.)
 3@90° Mount	0.77	33 Lbs
 3@120° Mount	0.70	33 Lbs

Configuration	EPA (Sq. Ft.)	Weight (Lbs.)
 4@90° Mount	0.77	44 Lbs



Mounting Accessories (Order Separately, Field Installed)

A2	Die-Cast Adaptor for 3" to 4" Round Poles, Bronze Powdercoat Finish. Use with Mounting Arm only.
B2	Die-Cast Wall Mount Adaptor, Bronze Powdercoat Finish. Use with Mounting Arm only.
TB1	Single Pole Tenon Spoke Bracket, 2 1/2" Horizontal Mounting Arm, Bronze Powdercoat Finish, Includes Hardware.
TB29	Twin Pole Tenon Spoke Bracket, 2 1/2" Horizontal 90° Mounting Arms, Bronze Powdercoat Finish, Includes Hardware.
TB218	Twin Pole Tenon Spoke Bracket, 2 1/2" Horizontal 180° Mounting Arms, Bronze Powdercoat Finish, Includes Hardware.
TB39*	Twin Pole Tenon Spoke Bracket, 2 1/2" Horizontal 90° Mounting Arms, Bronze Powdercoat Finish, Includes Hardware.
TB312*	Twin Pole Tenon Spoke Bracket, 2 1/2" Horizontal 120° Mounting Arms, Bronze Powdercoat Finish, Includes Hardware.
TB49*	Quad Pole Tenon Spoke Bracket, 2 1/2" Horizontal 90° Mounting Arms, Bronze Powdercoat Finish, Includes Hardware.

*Non-stock item. Consult factory for lead time.

Accessories (Order Separately, Field Installed)

SEN1	Die Cast Accessory Housing for Installing Sensors or Other Lighting Controls, Bronze Powdercoat Finish
CGS1	Aluminum Glare/House Side Shield, Bronze Powdercoat Finish, Includes Hardware.
CWG1	Wire Guard, Stainless Steel Construction, Includes Hardware.

Replacement Parts (Order Separately, Field Installed)

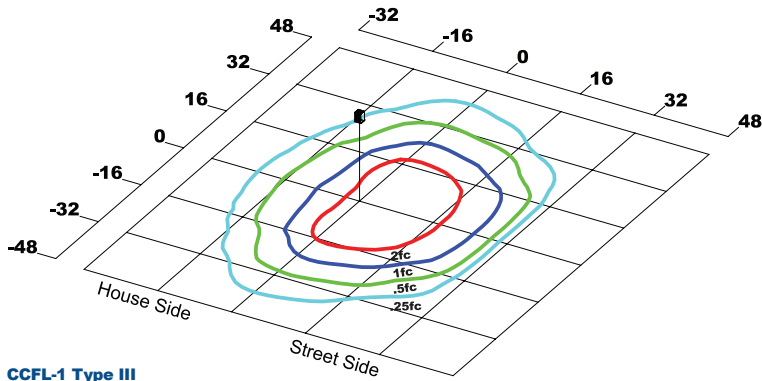
CFL1	Tempered Clear Flat Glass Lens.
CFG1	Flat Glass Lens
CAR2	Die-Cast Mounting Arm, Bronze Powdercoat Finish, Includes Hardware. Mounts Directly to Square Poles.
ADA	Die-Cast Adaptor for 2 1/2" Horizontal Mounting Arms, Bronze Powdercoat Finish, Includes Hardware.
CY1	Stamped Heavy-Duty Steel Yoke, Bronze Powdercoat Finish, Includes Hardware.
CSF	External Mount Die-Cast Adjustable Slipfitter for 2 1/2" Tenons, Bronze Powdercoat Finish, Includes Hardware.
CBR	Two-Piece Stamped Steel Adjustable Bracket, Bronze Powdercoat Finish, Includes Hardware.
CWB	Die-Cast Easy-Hang Wall Bracket, Bronze Powdercoat Finish, Includes Hardware.
CK	Die-Cast Adjustable Knuckle with 1/2" NPS Threads, Bronze Powdercoat Finish.
PC1	120VAC Photocell
PC2	120-277VAC Photocell
PP1	110-130V 120VAC Pencil Photocell
PP2	208-277V 240VAC Pencil Photocell
PP4	120-277V, 50/60Hz Pencil Photocell

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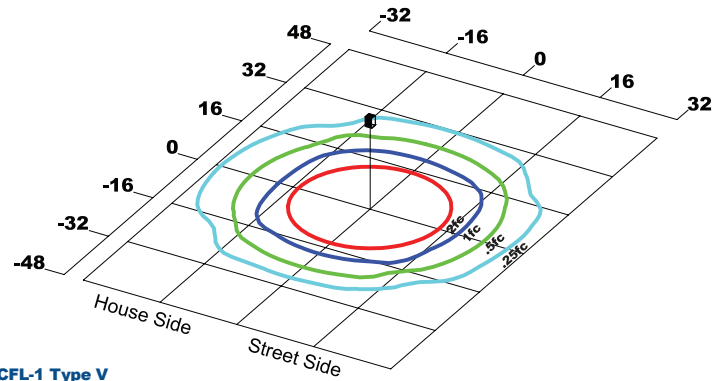
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PHOTOMETRIC DATA



CCFL-1 Type III
Grid in MH
MH=16 Feet



CCFL-1 Type V
Grid in MH
MH=16 Feet

PHOTOMETRIC PERFORMANCE

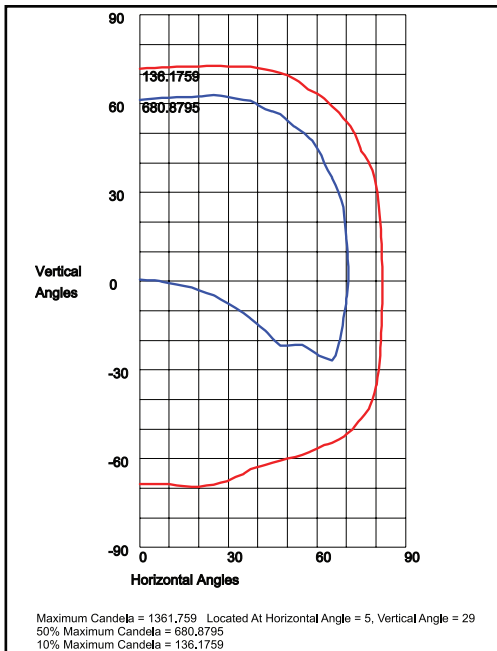
					5000 CCT 80 CRI					4000 CCT 80 CRI					3000 CCT 80 CRI				
LED Board Watts	Drive Current (mA)	Input Watts	Optics		Lumens	LPW	B	U	G	Lumens	LPW	B	U	G	Lumens	LPW	B	U	G
22w	525	25	C	Type III	2,875	116	1	0	1	2,767	112	1	0	1	-	-	-	-	-
			F	Type V	2,742	111	1	0	0	2,639	106	1	0	0	-	-	-	-	-
			I	Narrow Beam	2,682	112	1	0	0	-	-	-	-	-	-	-	-	-	-
37w		41	C	Type III	4,834	118	1	0	1	4,653	114	1	0	1	-	-	-	-	-
			F	Type V	4,611	113	2	0	0	4,439	109	2	0	0	4,266	104	2	0	0
			I	Narrow Beam	4,647	114	3	3	0	-	-	-	-	-	-	-	-	-	-

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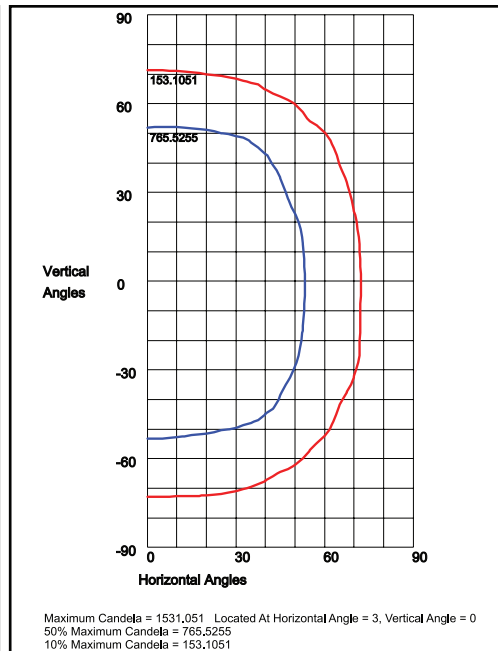
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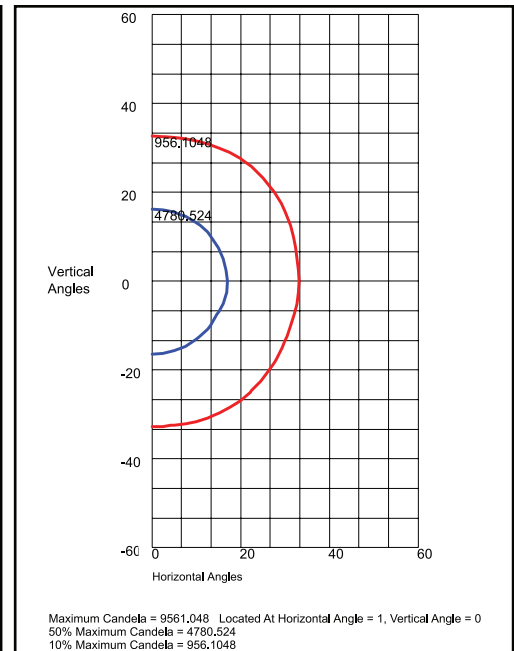
PHOTOMETRIC DATA



CCFL-1
120°H x 70°V, NEMA 7H x 7V



CCFL-1
115°H x 110°V, NEMA 7H x 7V



CCFL-1
30°H x 30°V, NEMA 4H x 4V

PHOTOMETRIC PERFORMANCE

				5000 CCT 80 CRI		4000 CCT 80 CRI		3000 CCT 80 CRI	
LED Board Watts	Drive Current (mA)	Input Watts	Optics	Lumens	LPW	Lumens	LPW	Lumens	LPW
22w	525	25	C 120°H x 70°V, NEMA 7H x 7V	2,854	115	2,747	111	-	-
			D 110°H x 30°V, NEMA 6H x 5V	2,402	97	2,312	93	-	-
			I 30°H x 30°V, NEMA 4H x 4V	2,723	110	-	-	-	-
37w	525	41	C 120°H x 70°V, NEMA 7H x 7V	4,800	117	4,620	113	-	-
			F 115°H x 110°V, NEMA 7H x 7V	4,623	113	4,450	109	-	-
			I 30°H x 30°V, NEMA 4H x 4V	4,581	112	-	-	4,237	104

PROJECTED LUMEN MAINTENANCE

Data shown for 5000 CCT			Compare to MH			
TM-21-11	Input Watts	Initial	25,000 Hrs	50,000 Hrs	100,000 Hrs	Calculated LED Life
L70 Lumen Maintenance @ 25°C / 77°F	All wattages up to and including 41w	1.00	0.98	0.95	0.91	320,000
L70 Lumen Maintenance @ 50°C / 122°F		1.00	0.95	0.89	0.79	141,000
L80 Lumen Maintenance @ 40°C / 104°F		1.00	0.96	0.93	0.85	134,000

NOTES:

1. Projected per IESNA TM-21-11. Data references the extrapolated performance projections for the 525mA base model in a 25°C ambient, based on 10,000 hours of LED testing per IESNA LM-80-08.
2. Compare to MH box indicates suggested Light Loss Factor (LLF) to be used when comparing to Metal Halide (MH) systems.