

# CCFL-3 SERIES

Large Area, Wall, and  
Flood Light



Project:	
Type:	
Catalog #:	



The CCFL-3 LED area, site, wall and flood luminaire combines optical performance, energy efficiency and long term reliability using a market proven contemporary design. Utilizing the latest LED technology, the CCFL-3 luminaire delivers unparalleled uniformity resulting in greater pole spacing. The fixture is available in multiple wattages with a wide choice of mounting configurations and optical distributions to serve the needs of lighting designers for varying project light level requirements. Applications include general area, parking, flood, security, and accent lighting for retail centers, automotive dealerships, industrial parks, schools and universities, public transit and airports, office buildings and medical facilities.

## 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 LED Flat Glass, or Tempered Clear Flat Prismatic Glass Lens.

### Mounting Options:

Mounts with Arm, Adjustable Slipfitter, 2 3/8" Diameter Mounting Arm Adapter, Yoke, Two-Piece Bracket or Wall Mount Bracket. (Factory Installed)

### LED:

Aluminum Boards

### Wattages:

Multiple Wattages Available: 99w, 111w, 133w, 136w, 167w, 183w, 199w, 225w, 256w, 272w, 290w, 315w

### Driver:

Electronic Driver, 120-277V, 50/60Hz or 347-480V, 50/60Hz; Less Than 20% THD and PF>0.90. Standard Internal Surge Protection 6kV. 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 LEPG Controls and May Not Function Properly With Controls Supplied By Others. Fixtures are NOT Designed for Use with Line Voltage Dimmers.



### Dimensions

**Width (D)** 15 3/4" (400mm)

**Length (B)** 22" (559mm)

**Height (A)** 4" (102mm)

**Length with Mount (L)** 27 1/2" (699mm)

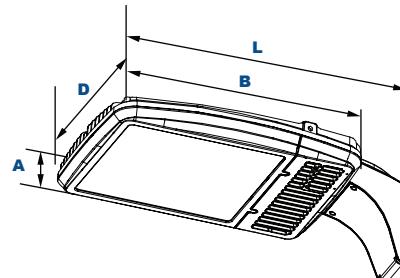
**Slipfitter (SF)**: 29 1/4" (743mm)

**Mounting Arm Adapter (MA)**: 26 1/8" (664mm)

**Yoke (Y)**: 26 1/4" (667mm)

**Bracket (BR)**: 25 3/4" (654mm)

**Wall Mount Bracket (WM)**: 605mm (23 1/4")



### WARRANTY:

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

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## STANDARD MODELS

### ORDERING INFORMATION:

CCFL-3								
Model	Optics/Beam	Wattage	Driver	CCT	Lens	Color	Mounting	Options
<b>CCFL3</b> =Large Area, Wall, and Flood Light	<b>1</b> =Type I/NEMA 7H x 5V <b>2</b> =Type II/NEMA 7H x 6V <b>3</b> =Type III/NEMA 7H x 7V <b>4</b> =Type IV/NEMA 7H x 6V <b>5</b> =Type V/NEMA 7H x 7V <b>6</b> =Narrow Beam/NEMA 4H x 4V*	<b>99</b> =99w <b>111</b> =111w <b>133</b> =133w <b>OPTIMIZED 136</b> =136w <b>167</b> =167w <b>183</b> =183w <b>199</b> =199w <b>OPTIMIZED 225</b> =225w <b>256</b> =256w <b>272</b> =272w <b>290</b> =290w <b>315</b> =315w	<b>LV</b> =120-277V <b>HV</b> =347-480V	<b>3K</b> =3000K* <b>4K</b> =4000K <b>5K</b> =5000K	<b>S</b> =Standard Clear Flat Glass Lens <b>F</b> =Flat Glass Lens	<b>BZ</b> =Bronze <b>C</b> =Custom (Consult Factory)	<b>AR</b> =Arm <b>SF</b> =Slipfitter <b>MA</b> =Mounting Arm Adapter <b>Y</b> =Yoke <b>BR</b> =Two-Piece Swivel Bracket <b>WM</b> =Wall Mount Bracket <b>NM</b> =No Mount	<b>SF</b> =Single Fuse (120-277V Only) <b>DF</b> =Double Fuse (120-277V Only) <b>SP</b> =Surge Protection <b>M1</b> =Motion Sensor, IR for mounting heights of 20ft to 35ft <b>M2</b> =Motion Sensor, IR for mounting heights of 18ft or less <b>R3</b> =3-Pin Twist Lock Photocell Receptacle <b>R5</b> =5-Pin Twist Lock Photocell Receptacle <b>R7</b> =7-Pin ANSI C136.41—2013 Twist Lock Photocell Receptacle <b>S23</b> =Internal Microwave Sensor with dimming for mounting heights of 35' or less (120-277V Only) <b>S43</b> =Microwave On/Off Motion Sensor for Mounting Heights of 8' to 19', (120-277V Only)
	*Use with 5K Models Only.							

## AUTO DEALERSHIP FRONT LINE MODELS

### ORDERING INFORMATION:

CCFL-3				<b>5K</b>	<b>C</b>			
Model	Optics/Beam	Wattage	Driver	CCT	Lens	Color	Mounting	Options
<b>CCFL3</b> =Large Area Light	<b>3</b> =Type III <b>4</b> =Type IV	<b>OPTIMIZED 225</b> =225w <b>256</b> =256w <b>272</b> =272w <b>290</b> =290w <b>315</b> =315w	<b>LV</b> =120-277V <b>HV</b> =347-480V	<b>5K</b> =5000K	<b>S</b> =Standard Clear Flat Glass Lens	<b>BZ</b> =Bronze <b>C</b> =Custom (Consult Factory)		<b>SF</b> =Single Fuse (120-277V Only) <b>DF</b> =Double Fuse (120-277V Only) <b>SP</b> =Surge Protection <b>R3</b> =3-Pin Twist Lock Photocell Receptacle <b>R5</b> =5-Pin Twist Lock Photocell Receptacle <b>R7</b> =7-Pin ANSI C136.41—2013 Twist Lock Photocell Receptacle
	<b>ARD</b> =Arm, Optics Rotated Right Auto Dealership Mount <b>ALD</b> =Arm, Optics Rotated Left Auto Dealership Mount <b>SFRD</b> =Slipfitter, Optics Rotated Right Auto Dealership Mount <b>SFLD</b> =Slipfitter, Optics Rotated Left Auto Dealership Mount <b>MARD</b> =Mounting Arm Adapter, Optics Rotated Right Auto Dealership Mount <b>MALD</b> =Mounting Arm Adapter, Optics Rotated Left Auto Dealership Mount							

### MOUNTING OPTIONS:



**CCFL-3 w/ Arm (AR)**

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



**CCFL-3 w/ Pole Mounting Arm Adaptor (MA)**



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

### Auto Dealership Front Line Rotated Optics (Factory Configured Mounting Option)



**Rotate OPTICS Left**



**Rotate OPTICS Right**

Available for Arm (ARD); Mounting Arm Adapter (MALD, MARD); and Slipfitter (SFLD, SFRD) above



**CCFL-3 w/ Yoke (Y)**

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



**CCFL-3 w/ Two-Piece Swivel Bracket (BR)**

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



**CCFL-3 w/ Wall Mount (WM)**

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

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## EPA (Effective Projected Area)

Shown with Large Arm mounting.

Configuration	EPA (Sq. Ft.)	Weight (Lbs.)	Configuration	EPA (Sq. Ft.)	Weight (Lbs.)	Configuration	EPA (Sq. Ft.)	Weight (Lbs.)	Configuration	EPA (Sq. Ft.)	Weight (Lbs.)
	1.00	33 Lbs		2.00	66 Lbs		2.20	99 Lbs		2.20	132 Lbs
	1.36	66 Lbs		2.00	99 Lbs						

## ACCESSORIES & REPLACEMENT PARTS



**Round Pole & Wall  
Adaptors for Arm**



Die-Cast Adaptor for 4" to  
6" Round Poles, Bronze  
Powdercoat Finish.



Die-Cast Wall Mount  
Adaptor, Bronze  
Powdercoat Finish.

### Pole Tenon Spoke Brackets



**TB1**



**TB29**



**TB218**



**TB39\***

**TB312\***

**TB49\***

2%" Horizontal Mounting Arms, Bronze Powdercoat Finish, Includes Hardware. Mounts to  
2%" Vertical Pole Top Tenons. \*Non-stock item. Consult factory for lead time

### Accessories (Order Separately, Field Installed)

P1	Twist Lock Non-Shorting (Open) Cap Disconnects Service to Fixture for Temporary or Permanent Disabling (Fixture Always Off). IP65, 480V Maximum.
P2	Twist Lock Shorting Cap Provides Fixed Service to Fixture (Fixture Always on). IP65, Rated Load 7200w Tungsten.
P3	110-120VAC Instant Twist Lock Photocell
P4	120VAC Time Delay Twist Lock Photocell
P5	277VAC Time Delay Twist Lock Photocell
P6	120-277VAC Universal Twist Lock Photocell
P7	480VAC Time Delay Twist Lock Photocell. For 480V use only.
SEN1	Die Cast Accessory Housing for Installing Sensors or Other Lighting Controls, Bronze Powdercoat Finish
SEN2	Bronze UV-Stabilized Polycarbonate Housing for Installing Sensors, Includes Sensor Bracket and Gasket.
CGS4	Aluminum Glare/House Side Shield, Bronze Powdercoat Finish, Includes Hardware.
CWG4	Wire Guard, Stainless Steel Construction, Includes Hardware.

### Replacement Parts (Order Separately, Field Installed)

CFL4	Tempered Clear Flat Glass Lens.
CFG4	Flat Glass Lens
CFGP4	Tempered Prismatic Flat Glass Lens.
MS1	Internal Microwave Sensor with Dimming, 120-277VAC, 50/60Hz. See P17117 Specification Page for Details.
MS2	Internally Mounted Microwave On/Off Motion Sensor for Mounting Heights of 8' to 19', 120-277VAC, 50/60Hz

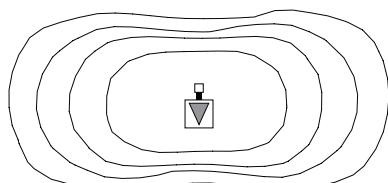


### Sensors not available for 480V.

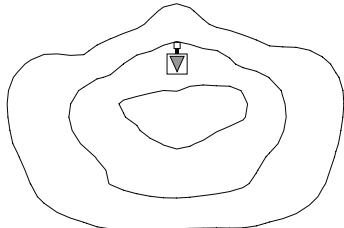


Aluminum Glare/House Side Shield

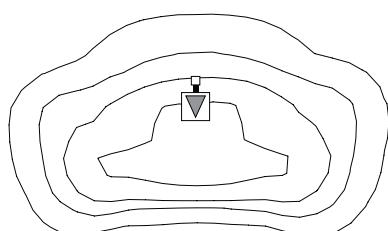
### IES Roadway Distribution Optics



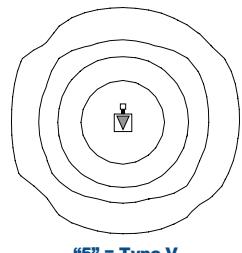
“1” = Type I



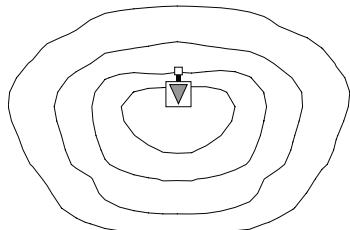
“4” = Type IV



“2” = Type II



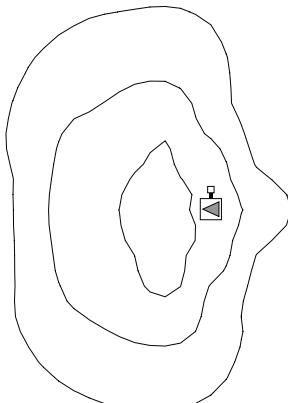
“5” = Type V



“3” = Type III

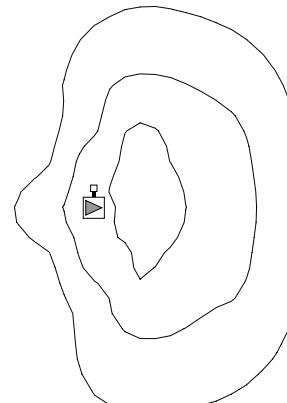
### Auto Dealership Front Line Rotated Optics (Factory Configured Mounting Option)

Optic Rotated RIGHT

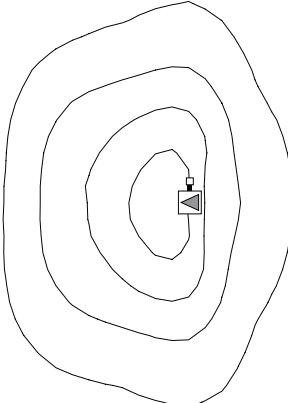


“4” = Type IV  
Mounting RD

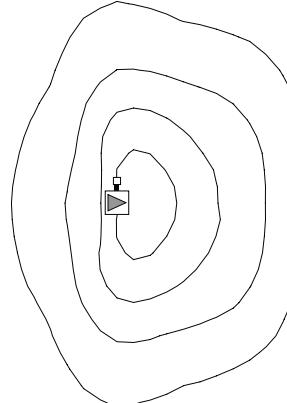
Optic Rotated LEFT



“4” = Type IV  
Mounting LD



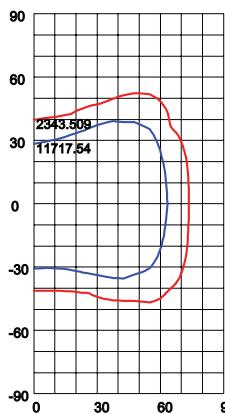
“3” = Type III  
Mounting RD



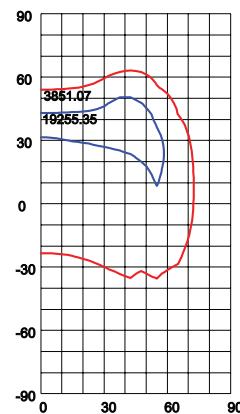
“3” = Type III  
Mounting LD

Available for Kitty Hawk Arm (KALD, KARD); Mounting Arm Adapter (MALD, MARD); and Slipfitter (SFLD, SFRD).

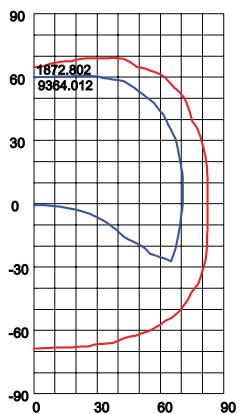
### NEMA Flood Light Distribution Optics



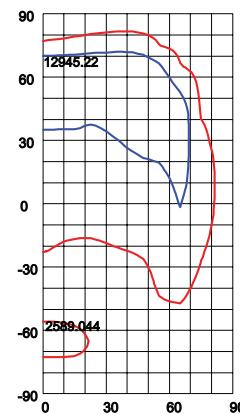
“1” = NEMA 7H x 5V  
315W Max. Candela = 23,435



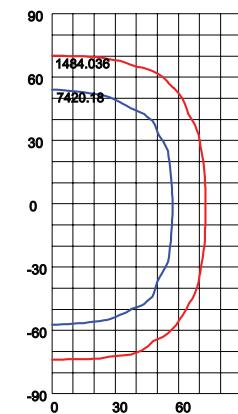
“2” = NEMA 7H x 6V  
315W Max. Candela = 38,511



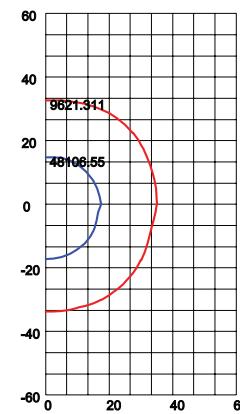
“3” = NEMA 7H x 7V  
315W Max. Candela = 18,728



“4” = NEMA 7H x 6V  
315W Max. Candela = 25,890



“5” = NEMA 7H x 7V  
315W Max. Candela = 14,840



“6” = NEMA 4H x 4V  
315W Max. Candela = 96,213

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## PHOTOMETRIC PERFORMANCE

Optic	"Wattage (Catalog Logic)"	Optimized						Optimized					
		99W (1X99)	111W (1X111)	133W (1X133)	136W (1X136)	167W (1X167)	183W (1X183)	199W (1X199)	225W (1X225)	256W (1X256)	272W (1X272)	290W (1X290)	315W (1X315)
		Input Watts	104.8	116.5	139.5	148.1	178.8	193.7	210.6	241.1	271.2	285.6	304.5
<b>1 = Type I NEMA 7H x 5V (130°H x 70°V)</b>	3000K	-	-	-	-	-	-	-	-	-	-	-	-
	4000K	12,831	14,386	17,237	20,197	21,644	23,717	25,791	32,734	33,178	35,252	37,585	40,825
	5000K	13,331	14,946	17,909	20,983	22,487	24,641	26,796	34,009	34,471	36,625	39,043	42,415
	BUG Rating	B3-U0-G2	B3-U0-G2	B4-U0-G2	B4-U0-G3	B4-U0-G3	B4-U0-G3	B4-U0-G3	B5-U0-G3	B5-U0-G3	B5-U0-G3	B5-U0-G3	B5-U0-G3
<b>2 = Type II NEMA 7H x 6V (110°H x 30°V)</b>	3000K	-	-	-	-	-	-	-	-	-	-	-	-
	4000K	12,240	13,724	16,444	19,267	20,648	22,626	24,604	31,228	31,651	33,629	35,855	38,946
	5000K	12,717	14,259	17,084	20,018	21,452	23,507	25,563	32,444	32,884	34,940	37,252	40,463
	BUG Rating	B2-U0-G2	B2-U0-G2	B3-U0-G2	B3-U0-G3	B4-U0-G3	B4-U0-G3						
<b>3 = Type III NEMA 7H x 7V (120°H x 70°V)</b>	3000K	12,922	14,489	17,360	20,341	21,798	23,887	25,975	32,968	33,416	35,504	37,854	41,117
	4000K	13,446	15,076	18,064	21,166	22,682	24,855	27,028	34,305	34,770	36,943	39,388	42,784
	5000K	13,970	15,664	18,768	21,990	23,566	25,824	28,082	35,641	36,125	38,383	40,923	44,450
	BUG Rating	B3-U0-G3	B3-U0-G3	B3-U0-G3	B3-U0-G3	B3-U0-G3	B3-U0-G3	B4-U0-G4	B4-U0-G4	B4-U0-G4	B4-U0-G4	B4-U0-G4	B4-U0-G4
<b>3-xRD or 3-xLD = Type III, Auto Front Rotated RIGHT or LEFT</b>	3000K	-	-	-	-	-	-	-	-	-	-	-	-
	4000K	-	-	-	-	-	-	-	-	-	-	-	-
	5000K	-	-	-	-	-	-	-	36,387	36,926	39,234	41,830	45,438
	BUG Rating	-	-	-	-	-	-	-	B5-U1-G5	B5-U1-G5	B5-U1-G5	B5-U1-G5	B5-U1-G5
<b>4 = Type IV NEMA 7H x 6V (110°H x 50°V)</b>	3000K	-	-	-	-	-	-	-	-	-	-	-	-
	4000K	13,629	15,282	18,312	21,455	22,992	23,545	25,604	34,775	32,937	34,996	37,312	40,527
	5000K	14,160	15,877	19,024	22,291	23,888	24,462	26,601	36,128	34,221	36,360	38,767	42,109
	BUG Rating	B2-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5	B4-U0-G5
<b>4-xRD or 4-xLD = Type IV, Auto Front Rotated RIGHT or LEFT</b>	3000K	-	-	-	-	-	-	-	-	-	-	-	-
	4000K	-	-	-	-	-	-	-	-	-	-	-	-
	5000K	-	-	-	-	-	-	-	33,047	33,537	35,633	37,991	41,267
	BUG Rating	-	-	-	-	-	-	-	B5-U1-G5	B5-U1-G5	B5-U1-G5	B5-U1-G5	B5-U1-G5
<b>5 = Type V NEMA 7H x 7V (115°H x 110°V)</b>	3000K	12,327	13,821	16,560	19,403	20,793	22,785	24,778	31,448	31,875	33,867	36,108	39,221
	4000K	12,826	14,381	17,231	20,190	21,636	23,709	25,782	32,723	33,167	35,240	37,572	40,811
	5000K	13,326	14,941	17,903	20,976	22,479	24,633	26,787	33,998	34,459	36,613	39,036	42,401
	BUG Rating	B3-U0-G1	B3-U0-G1	B4-U0-G2	B4-U0-G1	B4-U0-G2	B4-U0-G2	B5-U0-G2	B5-U0-G2	B5-U0-G2	B5-U0-G2	B5-U0-G2	B5-U0-G2
<b>6 = Narrow Beam NEMA 4H x 4V (30°H x 30°V)</b>	3000K	-	-	-	-	-	-	-	-	-	-	-	-
	4000K	-	-	-	-	-	-	-	-	-	-	-	-
	5000K	14,320	16,059	19,238	-	24,160	26,475	28,791	-	37,035	39,351	41,953	45,570
	BUG Rating	N/A	N/A	N/A	-	N/A	N/A	N/A	-	N/A	N/A	N/A	N/A

## PROJECTED LUMEN MAINTENANCE

Data shown for 5000 CCT	Compare to MH					
	TM-21-11	Initial	25,000 Hrs	50,000 Hrs	100,000 Hrs	Calculated LED Life
<b>L70 Lumen Maintenance @ 25°C / 77°F</b>	1.00	0.97	0.95	0.90	290,000	
<b>L70 Lumen Maintenance @ 50°C / 122°F</b>	1.00	0.94	0.88	0.76	84,000	
<b>L80 Lumen Maintenance @ 40°C / 104°F</b>	1.00	0.95	0.91	0.81	108,000	

### 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.