

Project		Catalog #		Type	
Prepared by		Notes		Date	



Streetworks

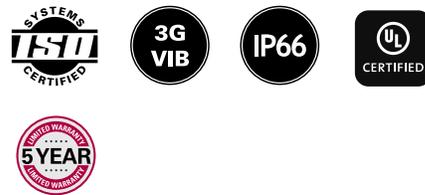
UFLD-S Utility Flood

Floodlight Luminaire

Product Features



Product Certifications



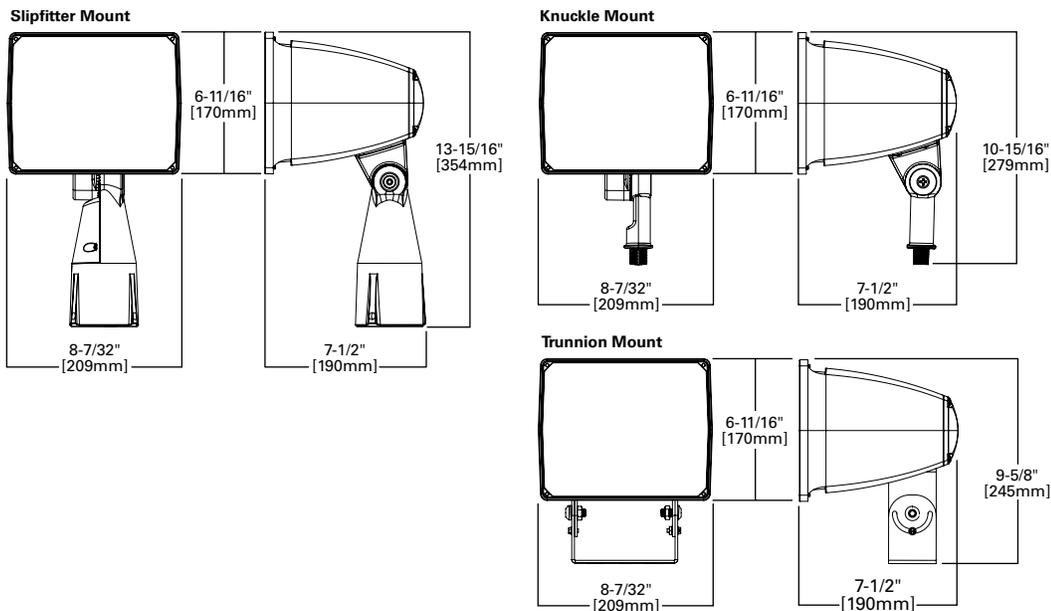
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Quick Facts

- Up to 161 lumens per watt
- Two optical distributions (Spot, Wide)
- 3 lumen packages ranging from 3,000 - 7,000 delivered lumens
- Available in various CCTs ranging from 2200K - 5700K

Dimensional Details



Ordering Information

SAMPLE ORDER NUMBER: **UFLD-S-CA1-20-740-U-66-C-BK-10MSP-PR7**

Product Family	Configuration	Wattage Bucket	Color Temperature	Voltage	Distribution	Mounting	Color
UFLD-S =Utility LED Floodlight Small BAA-UFLD-S =Utility LED Floodlight Small, Buy American Act Compliant ¹³ TAA-UFLD-S =Utility LED Floodlight Small, Trade Agreements Act Compliant ¹³	CA1 =COB Light Engine	20 =20W 30 =30W 50 =50W	740 =70CRI, 4000K 727 =70CRI, 2700K ³ 722 =70CRI, 2200K ³ 730 =70CRI, 3000K ³ 750 =70CRI, 5000K ³ 760 =70CRI, 5700K ³	U =Universal (120-277V) 8 =480V ¹ 9 =347V	66 =NEMA 6H x 6V Wide ¹² 33 =NEMA 3H x 3V Spot ²	C =Slipfitter, 2-3/8"-3" O.D. (SO cord through housing) ⁹ S =Slipfitter, 2-3/8" O.D. (Leads through slipfitter) T =Trunnion KNC =Knuckle	BK =Black BZ =Bronze AP =Grey WH =White
Options (Add as Suffix)			Controls		Accessories (Order Separately) ¹⁴		
HA =50°C High Ambient Temperature ⁴ D10 =<10% Dimming 10MSP =Parallel 10kV MOV Surge Protection Device 20MSP =Parallel 20kV MOV Surge Protective Device CXXXX =Cord Type ⁸ FADC =Field Adjustable Dimming Controller ¹⁰ DXXXXX =Department of Transportation - Customer specific details ¹⁵ UXXXXX =Utility - Customer specific details ¹⁵			PR =NEMA 3-PIN Photocontrol Receptacle ¹¹ PR7 =NEMA 7-PIN Twistlock Photocontrol Receptacle ¹¹ BPC1 =Button Type Photocontrol - 120V BPC2 =Button Type Photocontrol - 208-277V PSC =Photocontrol Shorting Cap NPC =NEMA Photocontrol - Multi-Tap		RAB-XX =Right Angle Pipe Bracket for Slipfitter SAB-XX =Steel Angle Bracket for Trunnion TYS-XX =Slipfitter Adapter for 2-3/8", 3" or 3-1/2" O.D. Tenon ⁷ TS2L/NFFLD-XX =Top and Side Visors ⁷ VSLW/NFFLD =Vandal Shield ⁷ WGLW/NFFLD =Wire Guard ⁷ LLPC =Long-life Photocontrol LLPC-FO =Long-life Photocontrol (Fail-Off)		

NOTES:

1. Only for use with 480V Wye systems. Per NEC, not for use with ungrounded systems, impedance grounded systems or corner grounded systems (commonly known as Three Phase Three Wire Delta, Three Phase High Leg Delta and Three Phase Corner Grounded Delta systems)
2. Only available with 30W and 50W wattage buckets.
3. Extended lead times apply. Use dedicated IES files for 3000K, 5000K, and 5700K when performing layouts. These files are published on the UFLD luminaire product page on the website.
4. Not available with 3H x 3V spot distribution.
5. Replace XX with color designation. Additional brackets and adaptors available on the poles product page on the website.
6. Not available with slipfitter mount.
7. Cannot combine TS2 (Top and Side Visor), VS (Vandal Shield), or WG (Wire Guard), limited to one external guard per fixture.
8. 3-conductor cord available in 12, 14, and 16 gauge with lengths of 5, 8, 10, 15, 20, and 25 feet. Specify cord gauge with the first 2 digits and cord length with the last 2 digits (ex: C1605 = 16-gauge, 5 feet length cord). Standard cord is 16-gauge with length of 3.5 ft if not specified.
9. Must utilize "PR" or "PR7" photocontrol receptacle option.
10. Cannot be used with PR7 or other motion response control options.
11. Mounted on back box (included). SOE drawing next page.
12. Only available with 20W and 50W wattage buckets.
13. Only product configurations with these designated prefixes are built to be compliant with the Buy American Act of 1933 (BAA) or Trade Agreements Act of 1979 (TAA), respectively. Please refer to [DOMESTIC PREFERENCES](#) website for more information. Components shipped separately may be separately analyzed under domestic preference requirements.
14. Accessories sold separately will be separately analyzed under domestic preference requirements. Consult factory for further information.
15. Customer specific specifications utilizes standard products with small adjustments to meet unique requirements such as packaging, labels, wattage adjustments, etc.

Product Specifications

Construction

- Heavy-duty, die-cast aluminum housing, driver compartment and driver housing door.
- The housing, driver compartment and optical chamber are IP66 rated.
- Access to the driver for maintenance is achieved with a removable driver door using pan head screws. A one-piece silicone gasket seals the door to the fixture housing.
- Suitable for mounting within 4' (1.2m) of the ground.

Optics

- The LED chamber incorporates a vacuum metalized reflector that provides high-efficiency illumination.
- Optics are precisely designed to shape the NEMA type 6H x 6V wide distribution, maximizing efficiency and application spacing.
- A 3H x 3V spot distribution is available to provide a concentrated beam distribution.
- Clear glass tempered lens with full circumference form-in-place silicone gasket protects the optics from damage.
- Offered in 2200K, 2700K, 3000K, 4000K, 5000K, or 5700K CCTs and minimum 70 CRI.

Electrical

- LED driver is mounted to the removable die-cast aluminum door for optimal heat sinking and ease of maintenance.
- 120-277V 50/60Hz, 347V 60Hz or 480V 60Hz operation.
- Integral 3kV surge is standard. 10kV or 20kV MOV surge protection is available.

- 0-10V dimming driver standard.
- Button photocontrols are available in 120V and 208-277V. 3-PIN or 7-PIN photocontrol receptacle available as options.
- Suitable for ambient temperatures from -40°C to 40°C. Optional 50°C HA (high ambient) available.
- 89% lumen maintenance greater than 60,000 hours per IESNA TM-21 at 40°C.
- Luminaire available with the field adjustable dimming controller (FADC) to manually adjust wattage and reduce the total lumen output and light levels. Comes pre-set to the highest position at the lumen output selected.

Accessories

- Heavy-duty steel top and side visors control glare and spill light.
- 1/8" thick UV stabilized vandal guard shields glass lens from impact when mounted at low levels.
- Easy to install wire guard features a heavy-gauge welded construction with corrosion resistant polyester powder coat finish to protect glass from projected objects.

Mounting

- Heavy-gauge steel trunnionmount utilizes interlocking slide adjustment and is supplied with 3 feet of pre-wired SOW, wet location rated cord.
- Trunnion base can be lag bolted to any surface and is 3G vibration rated.
- Heavy duty, die-cast aluminum knuckle base utilizes tooth-lock adjustment with visual 5° adjustment indicators that allow for 180° rotation of the luminaire. Knuckle adjustment is made via the stainless-steel screw. Knuckle is 1.5G vibration

- rated. Knuckle fits 1/2" NPS available mounting junction box cover (supplied by others) and is secured with supplied locking nut.
- A die-cast aluminum slipfitter with a tooth lock adjustment that can be adjusted in 5° increments is available and is 1.5G vibration rated.

Finish

- Housing and cast parts finished in five-stage super TGIC polyester powder coat paint, 2.5 mil nominal thickness for superior protection against fade and wear.
- Consult your lighting representative at Cooper Lighting Solutions for a complete selection of standard colors.

Shipping Data

- Approximate Net Weight: 13 lbs. (6 kgs.)
- EPA: 0.56 Sq. Ft.

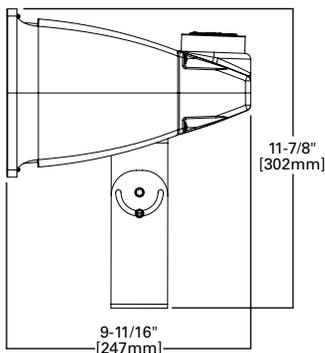
Warranty

- Standard five-year warranty.
- Optional ten-year warranty, please see your Cooper Lighting Solutions Streetworks sales representative for more information

Mounting Details

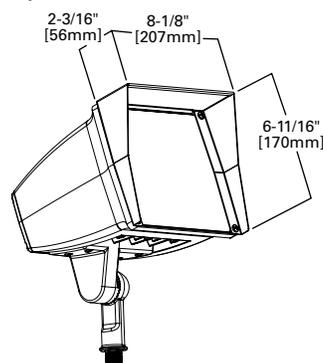
Option

NEMA Twistlock Photocontrol Receptacle

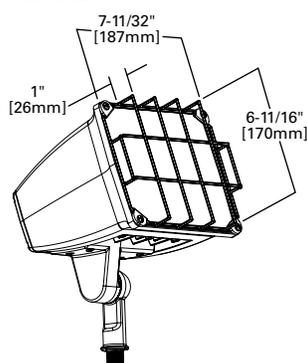


Accessories

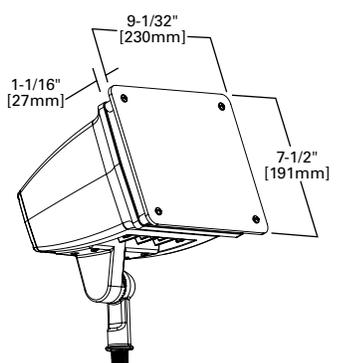
Top and Side Visors



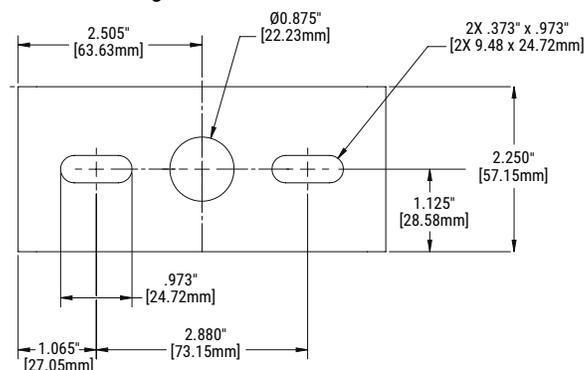
Wire Guard



Vandal Shield



Trunnion Drilling Pattern



Energy and Performance Data

Distribution	6H x 6V Wide	
ANSI Wattage	20	50
Power (Watts) @ 120V	19	50
Current (A) @ 120	0.255	0.432
Current (A) @ 277V	0.115	0.192
Current (A) @ 347V	0.098	0.167
Current (A) @ 480V	0.072	0.122
2200K Lumens	2,506	5,515
Lumens Per Watt	129	111
2700K Lumens	2,604	5,730
Lumens Per Watt	134	116
3000K Lumens	3,019	6,644
Lumens Per Watt	156	134
4000K Lumens	3,075	6,767
Lumens Per Watt	159	136
5000K Lumens	3,131	6,891
Lumens Per Watt	161	139
5700K Lumens	3,065	6,745
Lumens Per Watt	158	136

Distribution	3H x 3V Spot	
ANSI Wattage	30	50
Power (Watts) @ 120V	30	52
Current (A) @ 120	0.163	0.414
Current (A) @ 277V	0.076	0.181
Current (A) @ 347V	0.067	0.159
Current (A) @ 480V	0.049	0.115
2200K Lumens	3,008	4,717
Lumens Per Watt	99	91
2700K Lumens	3,126	4,901
Lumens Per Watt	103	95
3000K Lumens	3,624	5,682
Lumens Per Watt	120	110
4000K Lumens	3,691	5,788
Lumens Per Watt	122	112
5000K Lumens	3,757	5,891
Lumens Per Watt	124	114
5700K Lumens	3,679	5,769
Lumens Per Watt	121	112

Current Draw

Voltage	Model Series			
	6 x 6	6 x 6	3x3	3x3
	20W	50W	30W	50W
	Current (A)	Current (A)	Current (A)	Current (A)
120V	0.163	0.414	0.255	0.432
277V	0.076	0.181	0.115	0.192
347V	0.067	0.159	0.098	0.167
480V	0.049	0.115	0.072	0.122

Lumen Maintenance

Ambient Temperature	TM-21 Lumen Maintenance (60,000 Hours)	Theoretical L70 (Hours)
All Distributions		
40°C	88.9%	151,000

Lumen Multiplier

Ambient Temperature	Lumen Multiplier
10°C	1.03
15°C	1.02
25°C	1.00
40°C	0.97
50°C	0.96

FADC Settings

FADC Position	Percent of Typical Lumen Output
1	25%
2	48%
3	56%
4	65%
5	75%
6	80%
7	85%
8	90%
9	95%
10	100%

NOTES: +/-5% typical value