



LED WATTAGE CHART with Large Egg Crate Louver (LEL)

Drive Current	Nominal Wattage	15° Very Narrow Beam	30° Narrow Beam
700 milliamps	535	38,575 - 48,128 Lumens	39,774 - 49,624 Lumens
750 milliamps	575	40,050 - 61,198 Lumens	42,615 - 53,168 Lumens
800 milliamps	613	52,320 - 65,278 Lumens	45,456 - 56,713 Lumens
900 milliamps	690	58,850 - 73,437 Lumens	51,137 - 63,802 Lumens
975 milliamps	748	63,765 - 79,557 Lumens	55,399 - 69,119 Lumens
1050 milliamps	805	68,670 - 85,677 Lumens	59,660 - 74,436 Lumens

The NV-F5 Sports Luminaire with Silicone Optics and Protective Glare-Shielding Baffle over each light engine delivers improved visual comfort for the players, spectators, and neighboring community. NLS Lighting delivers precise spill light control, low glare, and a sustainable long life lighting solution optimized for sports fields and athletic venues.

APPLICATIONS

- Sports Fields (All Purpose, Baseball, Football, Soccer, Polo)
- Parks, High Schools, Universities & Professional Venues
- Outdoor Competitive Aquatic Centers
- Indoor Sports Arenas
- Race Tracks (Car & Horse)
- Large Tennis & Pickleball Facilities

KEY FEATURES & SPECIFICATIONS

- Precision Die-Cast aluminum housing for durability & consistency
- Lumen Packages: 38,575–85,677
- Precise Glare & Light Trespass Control
- 10 Standard Finishes
- Tamper Proof Hardware Option
- 5 Conductor Dimming Lead Option
- Available with poles up to 70ft tall & a variety of Cross Arm Mounts
- Optional Remote Cabinet with Drivers & Individual fixtures with integral drivers available, consult factory
- Safety Wire

FINISH

- 3-5 mils electrostatic powder coat Standard Finishes prevent corrosion & protect against extreme weather
- Marine Grade Finish option available for extra protection

RATINGS & CERTIFICATIONS

- 20KA Surge Protection
- IP66 Rated Fixture
- IP67 Rated Silicone Optics provide 96% Clarity & Heat Resistant to 150°C
- IK10 Rated Optics
- Trunnion Mount - 3G Vibration Rated/ Knuckle Mount - 1.5G Vibration Rated
- UL 8750
- CSA C22.2 No. 250.0
- DesignLights Consortium® (DLC) @15° Distribution

LED SPECIFICATION

- High Flux LEDs
- 5 Color Temps: 3000K (70 or 80 CRI), 3500K (80 CRI), 4000K (70 or 80 CRI), 5000K (70 or 80 CRI), 5700K (70 CRI)

WARRANTY

- Five Year Standard Warranty

BUY AMERICAN

- To ensure the latest BAA/TAA/BABA standards are being met, please select BAA, TAA, or BABA in order for any NLS products requesting BAA (Buy American), TAA (Trade Agreement Act), BABA (Build America, Buy America)



Project Name:

Type:

NV-F5-SP ORDERING GUIDE

Cat#	Optics	Watts	Milliamps	Kelvin	Volts
NV-F5-SP (NV-F5-SP)	15° Very Narrow Beam (15)	256 LEDs (256L)	700 (7)	3000K, 70 CRI (30K7)	120-277 (UNV)
	30° Narrow Beam (30)		750 (75)	3000K, 80 CRI (30K8)	347-480 (HV)
			800 (8)	3500K, 80 CRI (35K8)	
			900 (9)	4000K, 70 CRI (40K7)	
			975 (97)	4000K, 80 CRI (40K8)	
			1050 (1)	5000K, 70 CRI (50K7)	
				5000K, 80 CRI (50K8)	
				5700K, 70 CRI (57K7) ¹	

Mounting	Glare Control	Color	Controls Options	Options
Knuckle Mount 2-3/8" (KM)	Large Egg Crate Louver (LEL)	Bronze Textured (BRZ)	Button Photocell (PC)	Tamper Proof Hardware (TPH)
Trunnion Mount (TM)		White Textured (WHT)	FSP-211 w/Motion Sensor/ Photocell (120/277VAC 230-240VAC)	Marine Grade Finish (MGF)
Wall Mount (WM)		Smooth White Gloss (SWT)	9'-20" Heights (FSP-20) ^{2,3}	Black Optic Frame (BOF)
		Silver Metallic (SVR)	21'-40' Heights (FSP-40) ^{2,3}	Buy American Act (BAA) ⁶
		Black Textured (BLK)	FSP-221 w/Motion Sensor/ Photocell (100/347VAC 208/230/480VAC)	Trade Agreement Act (TAA) ⁶
		Smooth Black Gloss (SBK)	9'-20" Heights (FSP-HV-20) ⁴	Build America Buy American (BABA) ⁶
		Graphite Textured (GPH)	21'-40' Heights (FSP-HV-40) ⁴	
		Grey Textured (GRY)	FSP Remote (FSIR) ⁵	
		Green Textured (GRN)	Custom Controls Integration (CCI)	
		Hunter Green Textured (HGN)		
		Custom (CS)		

NOTES:

1. Consult factory
2. Universal Voltage 120-277
3. FSP-211, 120V/277V, 230-240VAC (single phase), 50/60 Hz
4. FSP-221, 100-347VAC (single phase) or 208/230/480VAC (phase-to-phase)
5. Projects with sensors require Qty. 1 FSIR per project
6. Consult factory for all BAA/TAA/BABA requests



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PRODUCT SPECIFICATIONS

ELECTRICAL

- 120-277 Volts (UNV) or 347-480 Volts (HV)
- 0-10V dimming driver
- Driver power factor at maximum load is $\geq .95$, THD maximum load is 15%
- LED Drivers Ambient Temp. Min is -40°C and Ambient Temp. Max ranges from 50°C to 55°C and, in some cases, even higher. Consult the factory for revalidation by providing the fixture catalog string before quoting and specifying it.
- All internal wiring UL certified for 600 VAC and 105°C
- All drivers, controls, and sensors housed in enclosed IP66 compartment
- CRI 70, 80, and 90
- Color temperatures: 3000K, 3500K, 4000K, 5000K, 5700K
- Surge Protection: 20kA supplied as standard.
- 5 Conductor Dimming Leads standard.

CONSTRUCTION

Precision Die-Cast aluminum housing for durability and consistency. Stainless Steel corrosion resistant external hardware. One-piece silicone gasket ensures IP66 seal for electronics compartment.

OPTICS

Silicone Micro Optics providing 96% Clarity and Heat Resistant up to 150°C. Silicone optics high thermal stability and light output provide higher powered LEDs with minimized lumen depreciation. UV stability with scratch resistance increases exterior application durability. Silicone optics do not yellow, crack or brittle over time.

Distribution patterns are designed to provide maximum light spread for short set backs when lighting signs and washing walls.

MOUNTING OPTIONS

- KNUCKLE MOUNT (KM) - 2-3/8" for direct mount to many options.
- TRUNNION MOUNT (TM) - Standard Stainless Steel Cord Seal

GLARE CONTROL OPTIONS

- LARGE EGG LOUVER (LEL) - Large Egg Crate Louver is for Precision Glare Control

OPTIONS

- FSP-211/FSP-221 (FSP-X) - Passive infrared (PIR) sensor providing multi-level control based on motion/daylight contribution.
- All control parameters adjustable via wireless configuration remote storing and transmitting sensor profiles
- FSP-20 mounting heights 9-20 feet
- FSP-40 mounting heights 21-40 feet
- Includes 5 dimming event cycles, 0-10V dimming with motion sensing, re-programmable in the field.
- FSIR-100 commissioning remote is required to change sensor settings. Please contact factory for ordering.
- Controls Agnostic: Please contact factory for your preferred controls option. (nLight, NX, WaveLinx, Crestron, DMX/RDM, Synapse, Casambi, DALI II, Avi-On, or other control systems)
- MARINE GRADE FINISH (MGF) - A multi-step process creating protective finishing coat against harsh environments. Chemically washed in a 5 stage cleaning system. Pre-baked before primer is applied. Powder coated 3-5 mils of Zinc Rich Super Durable Polyester Primer. Oven Baked. Finished Powder Coating of Super Durable Polyester Powder Coat 3-5 mil thickness
- TAMPER PROOF HARDWARE - Provided to protect the optical assembly and the driver compartment for vandal resistance
- BLACK HARDWARE (BH) - Optional black, zinc coated steel hardware
- BLACK OPTIC FRAME (BOF) - Optional black optic frame. Standard is white

FINISH

3-5 mils electrostatic powder coat. NLS' standard high-quality finishes prevent corrosion and protects against extreme environmental conditions.

WARRANTY

Five-year standard warranty

LISTINGS

- UL Listed in compliance with UL 1598, the Standard for Safety of Luminaires, including the applicable wet location requirements
- Compliant with UL 8750 LED driver design and test safety standards
- CSA C22.2 No. 250.0
- IP66 Rated Fixture / IP67 Rated Optics
- IK10 Rated
- 1.5G Vibration Rated - Knuckle Mount
- 3G Vibration Rated - Trunnion Mount
- DesignLights Consortium® (DLC) @15° Distribution

BUY AMERICAN OPTION

While all of the NLS Lighting products listed in this document qualify for the Buy America(n) Act of 1933, we reserve the right to change our listings without notice.

The information provided above is for general informational purposes only. We encourage you to consult legal professionals for advice particular to your projects concerning BAA, TAA, BABA or Buy America.

Additional NLS Products that meet BAA, TAA standards can be found at the following link:

[https://nlsighting.com/wp-content/uploads/cs/NLS_BuyAmerica\(n\).pdf](https://nlsighting.com/wp-content/uploads/cs/NLS_BuyAmerica(n).pdf)



The information and specifications on this document are subject to change without any notification. All values are design, nominal, or typical or prorated values when measured under internal and external laboratory conditions.

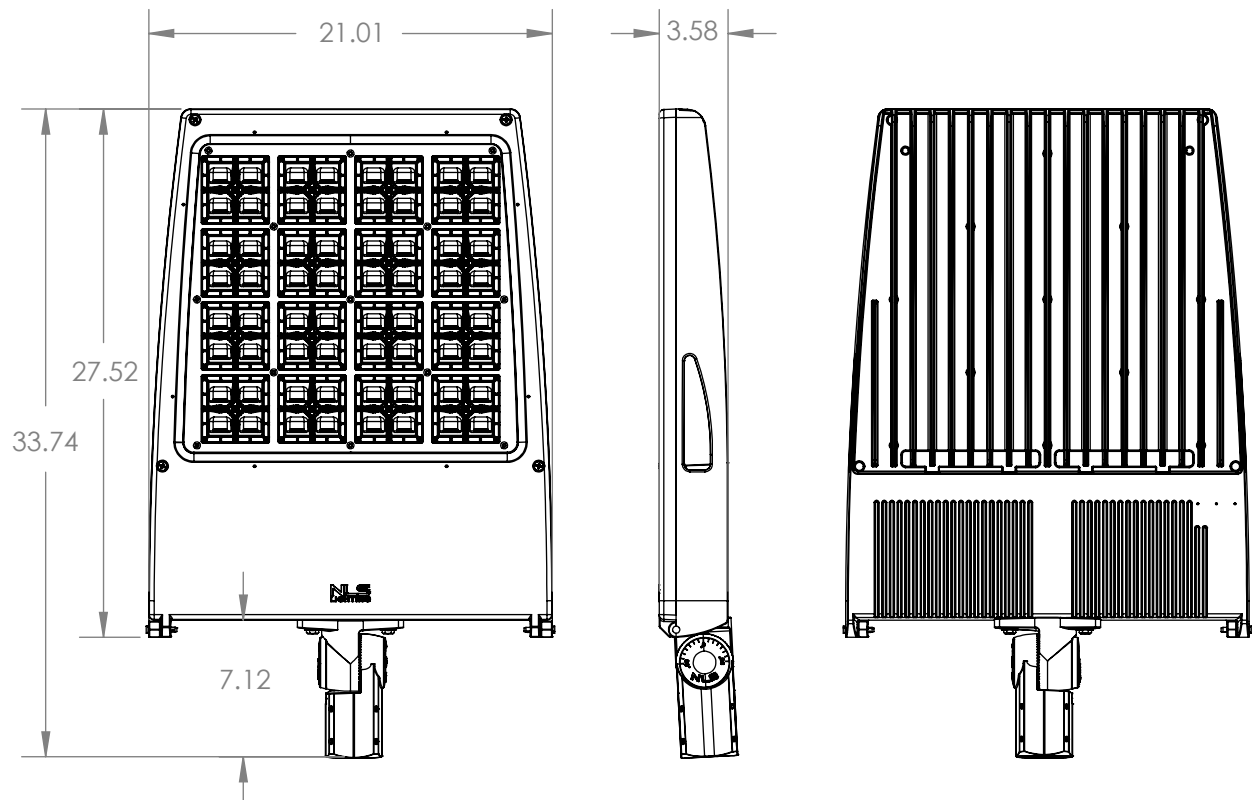


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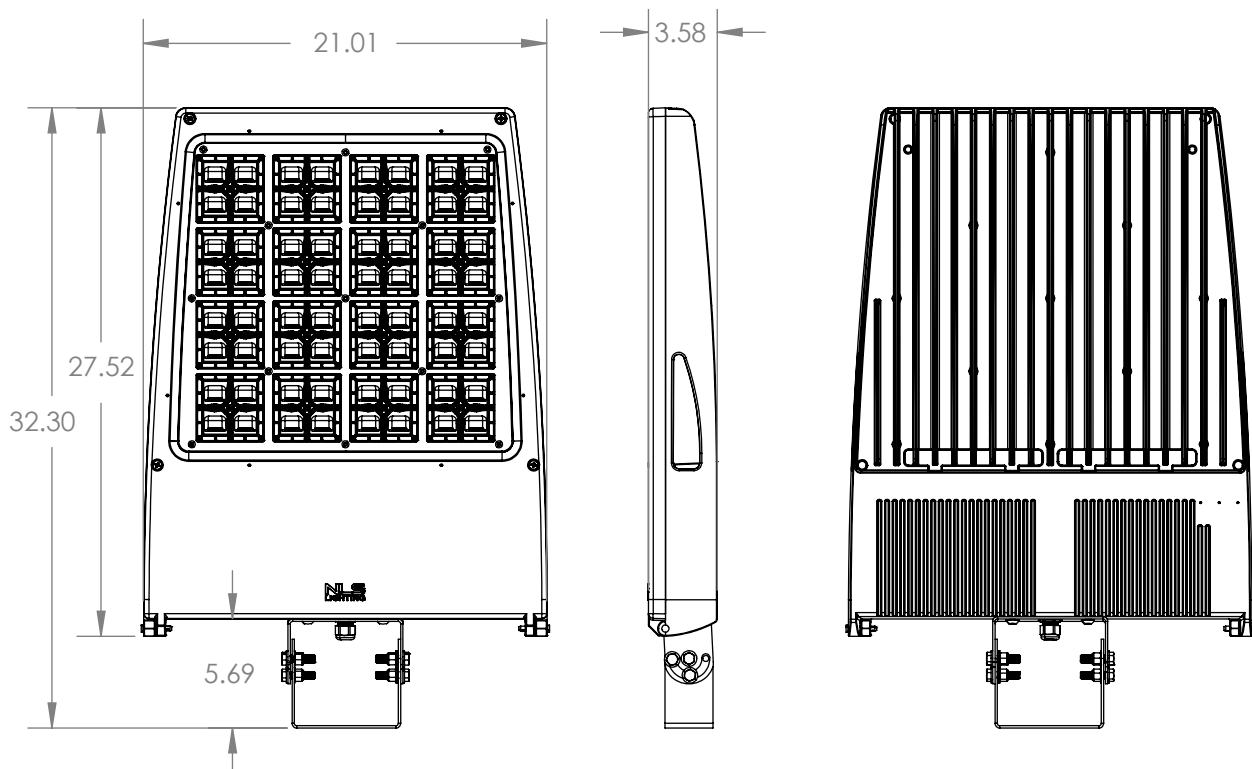
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PRODUCT SPECIFICATIONS

DIMENSIONAL DRAWINGS KNUCKLE MOUNT



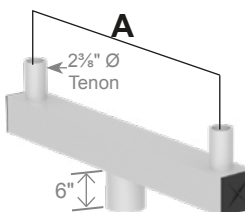
TRUNNION MOUNT

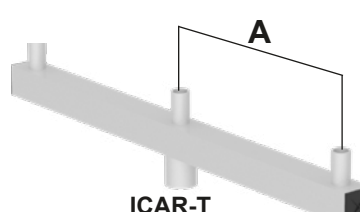


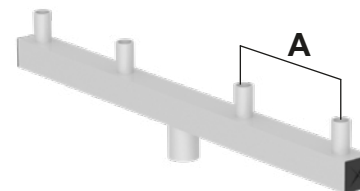
PRODUCT SPECIFICATIONS

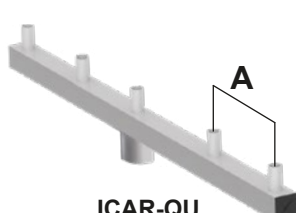
NV-F5-SP INLINE CROSS ARM ROUND EPA & WEIGHT DATA

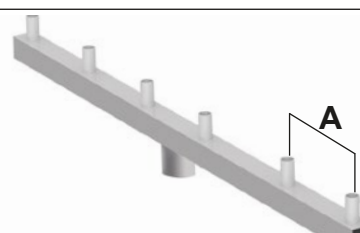
EPA Single Fixture on Pole	0°	15°	30°	45°	60°	75°	Weight
NV-F5-SP	.61	1.16	2.43	3.22	3.85	4.26	55 LBS

Cross Arm Image	Fixture and Quantity	Combined EPA (ft²)							Combined Weight (lbs)
		Cross Arm Part Number	0°	15°	30°	45°	60°	75°	
 ICAR-D	(2) NV-F5-SP	ICAR-D-36-238	2.8	3.9	6.4	8.0	9.2	10.1	139.6
		ICAR-D-36-3	2.8	3.9	6.4	8.0	9.3	10.1	139.8
		ICAR-D-36-312	2.8	3.9	6.4	8.0	9.3	10.1	140.1
		ICAR-D-36-4	2.8	3.9	6.4	8.0	9.3	10.1	140.2
		ICAR-D-36-5	2.8	3.9	6.5	8.1	9.3	10.1	140.3
		ICAR-D-48-238	3.2	4.3	6.8	8.4	9.6	10.5	149.5
		ICAR-D-48-3	3.2	4.3	6.8	8.4	9.7	10.5	149.8
		ICAR-D-48-312	3.2	4.3	6.8	8.4	9.7	10.5	150.1
		ICAR-D-48-4	3.2	4.3	6.8	8.4	9.7	10.5	150.2
		ICAR-D-48-5	3.2	4.3	6.9	8.5	9.7	10.5	150.4
		ICAR-D-60-238	3.6	4.7	7.2	8.8	10.0	10.9	159.3
		ICAR-D-60-3	3.6	4.7	7.2	8.8	10.1	10.9	159.7
		ICAR-D-60-312	3.6	4.7	7.2	8.8	10.1	10.9	160.1
		ICAR-D-60-4	3.6	4.7	7.2	8.8	10.1	10.9	160.2
		ICAR-D-60-5	3.6	4.7	7.2	8.8	10.1	10.9	160.5

 ICAR-T	(3) NV-F5-SP	ICAR-T-24-238	3.8	5.5	9.3	11.7	13.5	14.8	209.6
		ICAR-T-24-3	3.8	5.5	9.3	11.7	13.6	14.8	209.7
		ICAR-T-24-312	3.9	5.5	9.3	11.7	13.6	14.8	209.9
		ICAR-T-24-4	3.9	5.5	9.3	11.7	13.6	14.8	209.9
		ICAR-T-24-5	3.9	5.6	9.4	11.7	13.6	14.9	210.1
		ICAR-T-30-238	4.2	5.9	9.7	12.1	13.9	15.2	220.7
		ICAR-T-30-3	4.2	5.9	9.7	12.1	14.0	15.2	220.9
		ICAR-T-30-312	4.3	5.9	9.7	12.1	14.0	15.2	221.1
		ICAR-T-30-4	4.3	5.9	9.7	12.1	14.0	15.2	221.2
		ICAR-T-30-5	4.3	6.0	9.8	12.1	14.0	15.3	221.3
		ICAR-T-36-238	4.6	6.3	10.1	12.5	14.3	15.6	231.9
		ICAR-T-36-3	4.6	6.3	10.1	12.5	14.4	15.6	232.1
		ICAR-T-36-312	4.6	6.2	10.0	12.4	14.3	15.5	232.3
		ICAR-T-36-4	4.7	6.3	10.1	12.5	14.4	15.6	232.4
		ICAR-T-36-5	4.7	6.4	10.2	12.5	14.4	15.7	232.6

 ICAR-QD	(4) NV-F5-SP	ICAR-QD-24-238	5.3	7.5	12.6	15.7	18.3	19.9	277.1
		ICAR-QD-24-3	5.3	7.5	12.6	15.7	18.3	19.9	277.1
		ICAR-QD-24-312	5.3	7.5	12.6	15.8	18.3	19.9	277.1
		ICAR-QD-24-4	5.3	7.5	12.6	15.8	18.3	19.9	277.2
		ICAR-QD-24-5	5.4	7.6	12.6	15.8	18.3	20.0	277.4
		ICAR-QD-30-238	5.9	8.1	13.2	16.3	18.9	20.5	291.3
		ICAR-QD-30-3	5.9	8.1	13.2	16.3	18.9	20.5	291.3
		ICAR-QD-30-312	5.9	8.1	13.2	16.4	18.9	20.5	291.3
		ICAR-QD-30-4	5.9	8.1	13.2	16.4	18.9	20.5	291.6
		ICAR-QD-30-5	6.0	8.2	13.2	16.4	18.9	20.6	291.8

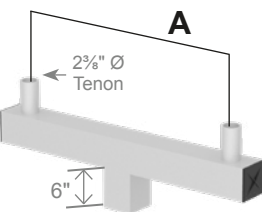
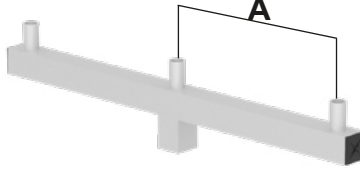
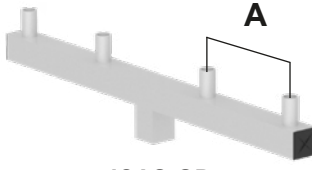
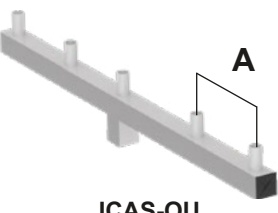
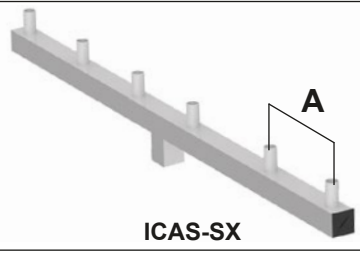
 ICAR-QU	(5) NV-F5-SP	ICAR-QU-30-238	7.5	10.3	16.6	20.6	23.8	25.8	355.5
		ICAR-QU-30-3	7.5	10.3	16.7	20.6	23.8	25.8	356.0
		ICAR-QU-30-312	7.6	10.3	16.7	20.6	23.8	25.8	356.5
		ICAR-QU-30-4	7.6	10.3	16.7	20.7	23.8	25.9	357.0
		ICAR-QU-30-5	7.6	10.4	16.7	20.7	23.8	25.9	358.0
		ICAR-QU-36-238	8.3	11.1	17.4	21.4	24.6	26.6	368.5
		ICAR-QU-36-3	8.3	11.1	17.5	21.4	24.6	26.6	369.0
		ICAR-QU-36-312	8.4	11.1	17.5	21.4	24.6	26.6	369.5
		ICAR-QU-36-4	8.4	11.1	17.5	21.5	24.6	26.7	370.0
		ICAR-QU-36-5	8.4	11.2	17.5	21.5	24.6	26.7	371.0

 ICAR-SX	(6) NV-F5-SP	ICAR-SX-30-238	9.2	12.5	20.1	24.9	28.7	31.1	429.5
		ICAR-SX-30-3	9.2	12.5	20.1	24.9	28.7	31.1	430.0
		ICAR-SX-30-312	9.2	12.5	20.2	24.9	28.7	31.2	430.5
		ICAR-SX-30-4	9.2	12.6	20.2	24.9	28.7	31.2	431.0
		ICAR-SX-30-5	9.3	12.6	20.2	25.0	28.7	31.2	432.0
		ICAR-SX-36-238	10.2	13.5	21.1	25.9	29.7	32.1	446.0
		ICAR-SX-36-3	10.2	13.5	21.1	25.9	29.7	32.1	446.5
		ICAR-SX-36-312	10.2	13.5	21.2	25.9	29.7	32.2	447.0
		ICAR-SX-36-4	10.2	13.6	21.2	25.9	29.7	32.2	447.5
		ICAR-SX-36-5	10.3	13.6	21.2	26.0	29.7	32.2	448.5

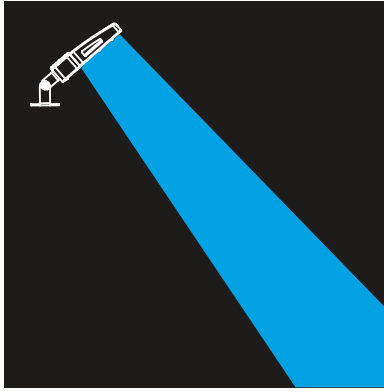
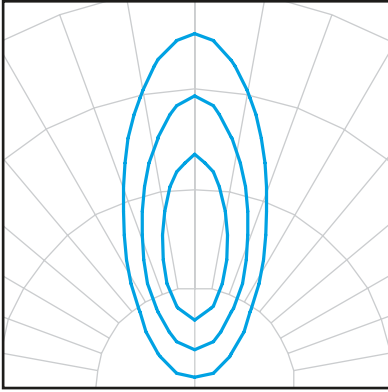
PRODUCT SPECIFICATIONS

NV-F5-SP INLINE CROSS ARM SQUARE EPA & WEIGHT DATA

EPA Single Fixture on Pole	0°	15°	30°	45°	60°	75°	Weight
NV-F5-SP	.61	1.16	2.43	3.22	3.85	4.26	55 LBS

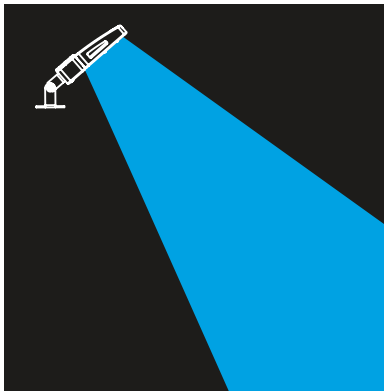
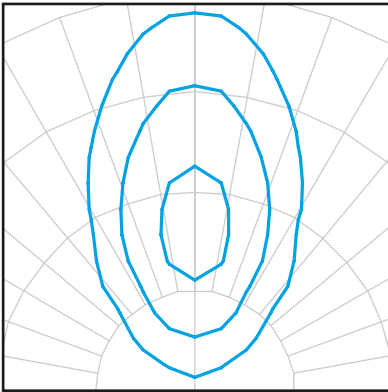
Cross Arm Image	Fixture and Quantity	Combined EPA (ft²)							Combined Weight (lbs)
		Cross Arm Part Number	0°	15°	30°	45°	60°	75°	
 ICAS-D	(2) NV-F5-SP	ICAS-D-36-238	2.8	3.9	6.4	8.0	9.2	10.1	139.6
		ICAS-D-36-3	2.8	3.9	6.4	8.0	9.3	10.1	139.8
		ICAS-D-36-312	2.8	3.9	6.4	8.0	9.3	10.1	140.1
		ICAS-D-36-4	2.8	3.9	6.4	8.0	9.3	10.1	140.2
		ICAS-D-36-5	2.8	3.9	6.5	8.1	9.3	10.1	140.3
		ICAS-D-48-238	3.2	4.3	6.8	8.4	9.6	10.5	149.5
		ICAS-D-48-3	3.2	4.3	6.8	8.4	9.7	10.5	149.8
		ICAS-D-48-312	3.2	4.3	6.8	8.4	9.7	10.5	150.1
		ICAS-D-48-4	3.2	4.3	6.8	8.4	9.7	10.5	150.2
		ICAS-D-48-5	3.2	4.3	6.9	8.5	9.7	10.5	150.4
		ICAS-D-60-238	3.6	4.7	7.2	8.8	10.0	10.9	159.3
		ICAS-D-60-3	3.6	4.7	7.2	8.8	10.1	10.9	159.7
		ICAS-D-60-312	3.6	4.7	7.2	8.8	10.1	10.9	160.1
		ICAS-D-60-4	3.6	4.7	7.2	8.8	10.1	10.9	160.2
		ICAS-D-60-5	3.6	4.7	7.2	8.8	10.1	10.9	160.5
 ICAS-T	(3) NV-F5-SP	ICAS-T-24-238	3.8	5.5	9.3	11.7	13.5	14.8	209.6
		ICAS-T-24-3	3.8	5.5	9.3	11.7	13.6	14.8	209.7
		ICAS-T-24-312	3.9	5.5	9.3	11.7	13.6	14.8	209.9
		ICAS-T-24-4	3.9	5.5	9.3	11.7	13.6	14.8	209.9
		ICAS-T-24-5	3.9	5.6	9.4	11.7	13.6	14.9	210.1
		ICAS-T-30-238	4.2	5.9	9.7	12.1	13.9	15.2	220.7
		ICAS-T-30-3	4.2	5.9	9.7	12.1	14.0	15.2	220.9
		ICAS-T-30-312	4.3	5.9	9.7	12.1	14.0	15.2	221.1
		ICAS-T-30-4	4.3	5.9	9.7	12.1	14.0	15.2	221.2
		ICAS-T-30-5	4.3	6.0	9.8	12.1	14.0	15.3	221.3
		ICAS-T-36-238	4.6	6.3	10.1	12.5	14.3	15.6	231.9
		ICAS-T-36-3	4.6	6.3	10.1	12.5	14.4	15.6	232.1
		ICAS-T-36-312	4.6	6.2	10.0	12.4	14.3	15.5	232.3
		ICAS-T-36-4	4.7	6.3	10.1	12.5	14.4	15.6	232.4
		ICAS-T-36-5	4.7	6.4	10.2	12.5	14.4	15.7	232.6
 ICAS-QD	(4) NV-F5-SP	ICAS-QD-24-238	5.3	7.5	12.6	15.7	18.3	19.9	277.1
		ICAS-QD-24-3	5.3	7.5	12.6	15.7	18.3	19.9	277.1
		ICAS-QD-24-312	5.3	7.5	12.6	15.8	18.3	19.9	277.1
		ICAS-QD-24-4	5.3	7.5	12.6	15.8	18.3	19.9	277.2
		ICAS-QD-24-5	5.4	7.6	12.6	15.8	18.3	20.0	277.4
		ICAS-QD-30-238	5.9	8.1	13.2	16.3	18.9	20.5	291.3
		ICAS-QD-30-3	5.9	8.1	13.2	16.3	18.9	20.5	291.3
		ICAS-QD-30-312	5.9	8.1	13.2	16.4	18.9	20.5	291.3
		ICAS-QD-30-4	5.9	8.1	13.2	16.4	18.9	20.5	291.6
		ICAS-QD-30-5	6.0	8.2	13.2	16.4	18.9	20.6	291.8
 ICAS-QU	(5) NV-F5-SP	ICAS-QU-30-238	7.5	10.3	16.6	20.6	23.8	25.8	355.5
		ICAS-QU-30-3	7.5	10.3	16.7	20.6	23.8	25.8	356.0
		ICAS-QU-30-312	7.6	10.3	16.7	20.6	23.8	25.8	356.5
		ICAS-QU-30-4	7.6	10.3	16.7	20.7	23.8	25.9	357.0
		ICAS-QU-30-5	7.6	10.4	16.7	20.7	23.8	25.9	358.0
		ICAS-QU-36-238	8.3	11.1	17.4	21.4	24.6	26.6	368.5
		ICAS-QU-36-3	8.3	11.1	17.5	21.4	24.6	26.6	369.0
		ICAS-QU-36-312	8.4	11.1	17.5	21.4	24.6	26.6	369.5
		ICAS-QU-36-4	8.4	11.1	17.5	21.5	24.6	26.7	370.0
		ICAS-QU-36-5	8.4	11.2	17.5	21.5	24.6	26.7	371.0
 ICAS-SX	(6) NV-F5-SP	ICAS-SX-30-238	9.2	12.5	20.1	24.9	28.7	31.1	429.5
		ICAS-SX-30-3	9.2	12.5	20.1	24.9	28.7	31.1	430.0
		ICAS-SX-30-312	9.2	12.5	20.2	24.9	28.7	31.2	430.5
		ICAS-SX-30-4	9.2	12.6	20.2	24.9	28.7	31.2	431.0
		ICAS-SX-30-5	9.3	12.6	20.2	25.0	28.7	31.2	432.0
		ICAS-SX-36-238	10.2	13.5	21.1	25.9	29.7	32.1	446.0
		ICAS-SX-36-3	10.2	13.5	21.1	25.9	29.7	32.1	446.5
		ICAS-SX-36-312	10.2	13.5	21.2	25.9	29.7	32.2	447.0
		ICAS-SX-36-4	10.2	13.6	21.2	25.9	29.7	32.2	447.5
		ICAS-SX-36-5	10.3	13.6	21.2	26.0	29.7	32.2	448.5

PRODUCT SPECIFICATIONS



15° Very Narrow Beam Optic

The 15° Optic is used for very specific spot lighting. Spot lighting a specific area of a field with high illumination and minimal spillover. The NV Floods can be used indoors and outdoors. Large Egg Crate Louvers (LEL) to reduce glare

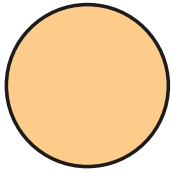


30° Narrow Beam Optic

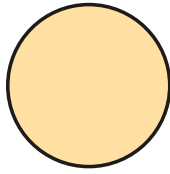
The 30° Optic is used for larger areas while keeping a high illumination. Large Egg Crate Louvers (LEL) to reduce glare

PRODUCT SPECIFICATIONS

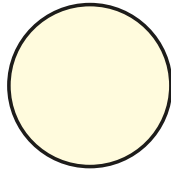
LED KELVIN RANGE



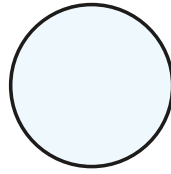
3000K 70 CRI



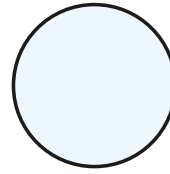
3500K 80 CRI



4000K 70 CRI



5000K 70 CRI



5700K 70 CRI

Lumen Maintenance Data							
Ambient Temperature	Drive Current	L90 Hours*	L70 Hours**	30,000 Hours*	50,000 Hours*	60,00 Hours*	100,000 Hours**
25°C	Up to 700mA	58,000	173,000	95.7%	91.6%	89.6%	82.1%
	1050mA	48,000	143,000	94.3%	89.5%	87.2%	78.5%
*Reported extrapolations per IESNA TM-21				**Projected extrapolations per IESNA TM-21			
Lumen Maintenance Data (For Static Colors, Please Contact Factory)							

MULTIPLIERS FOR 70/80/90 (Scaling Factor from 5000K 70 CRI)			
CRI	70 CRI	80 CRI	CRI 90
2700K	0.8560	0.8015	0.6445
3000K	0.9255	0.8594	-
3500K	0.8560	0.8015	-
4000K	1.000	0.9255	-
5000K	1.000	0.9255	-

DRIVE CURRENT MULTIPLIERS (Scaling Factor from 5000K 70 CRI)	
DRIVE CURRENT	SCALING FACTOR
350mA	0.3842
530mA	0.5752
700mA	0.7506

PRODUCT SPECIFICATIONS

Lumen Chart								
15° Optic								
MODEL #	Optics	LED Count	Drive Current	Wattage	CCT	Glare Control	Lumens	LPW
NV-F5-15-256L-7-30K7-LEL	15°	256L	700	535	30K7	LEL	44,542	83
NV-F5-15-256L-7-30K8-LEL	15°	256L	700	535	30K8	LEL	41,358	77
NV-F5-15-256L-7-35K8-LEL	15°	256L	700	535	35K8	LEL	41,358	77
NV-F5-15-256L-7-40K7-LEL	15°	256L	700	535	40K7	LEL	48,128	90
NV-F5-15-256L-7-40K8-LEL	15°	256L	700	535	40K8	LEL	44,542	83
NV-F5-15-256L-7-50K7-LEL	15°	256L	700	535	50K7	LEL	48,128	90
NV-F5-15-256L-7-50K8-LEL	15°	256L	700	535	50K8	LEL	44,542	83
NV-F5-15-256L-75-30K7-LEL	15°	256L	750	575	30K7	LEL	56,639	99
NV-F5-15-256L-75-30K8-LEL	15°	256L	750	575	30K8	LEL	52,589	91
NV-F5-15-256L-75-35K8-LEL	15°	256L	750	575	35K8	LEL	52,589	91
NV-F5-15-256L-75-40K7-LEL	15°	256L	750	575	40K7	LEL	61,198	106
NV-F5-15-256L-75-40K8-LEL	15°	256L	750	575	40K8	LEL	56,639	99
NV-F5-15-256L-75-50K7-LEL	15°	256L	750	575	50K7	LEL	61,198	106
NV-F5-15-256L-75-50K8-LEL	15°	256L	750	575	50K8	LEL	56,639	99
NV-F5-15-256L-8-30K7-LEL	15°	256L	800	613	30K7	LEL	60,415	99
NV-F5-15-256L-8-30K8-LEL	15°	256L	800	613	30K8	LEL	56,095	92
NV-F5-15-256L-8-35K8-LEL	15°	256L	800	613	35K8	LEL	56,095	92
NV-F5-15-256L-8-40K7-LEL	15°	256L	800	613	40K7	LEL	65,278	106
NV-F5-15-256L-8-40K8-LEL	15°	256L	800	613	40K8	LEL	60,415	99
NV-F5-15-256L-8-50K7-LEL	15°	256L	800	613	50K7	LEL	65,278	106
NV-F5-15-256L-8-50K8-LEL	15°	256L	800	613	50K8	LEL	60,415	99
NV-F5-15-256L-9-30K7-LEL	15°	256L	900	690	30K7	LEL	63,107	91
NV-F5-15-256L-9-30K8-LEL	15°	256L	900	690	30K8	LEL	67,966	99
NV-F5-15-256L-9-35K8-LEL	15°	256L	900	690	35K8	LEL	63,107	91
NV-F5-15-256L-9-40K7-LEL	15°	256L	900	690	40K7	LEL	73,437	106
NV-F5-15-256L-9-40K8-LEL	15°	256L	900	690	40K8	LEL	67,966	99
NV-F5-15-256L-9-50K7-LEL	15°	256L	900	690	50K7	LEL	73,437	106
NV-F5-15-256L-9-50K8-LEL	15°	256L	900	690	50K8	LEL	67,966	99
NV-F5-15-256L-97-30K7-LEL	15°	256L	975	748	30K7	LEL	73,630	98
NV-F5-15-256L-97-30K8-LEL	15°	256L	975	748	30K8	LEL	68,366	91
NV-F5-15-256L-97-35K8-LEL	15°	256L	975	748	35K8	LEL	68,366	91
NV-F5-15-256L-97-40K7-LEL	15°	256L	975	748	40K7	LEL	79,557	106
NV-F5-15-256L-97-40K8-LEL	15°	256L	975	748	40K8	LEL	73,630	98
NV-F5-15-256L-97-50K7-LEL	15°	256L	975	748	50K7	LEL	79,557	106
NV-F5-15-256L-97-50K8-LEL	15°	256L	975	748	50K8	LEL	73,630	98
NV-F5-15-256L-1-30K7-LEL	15°	256L	1050	805	30K7	LEL	79,294	99
NV-F5-15-256L-1-30K8-LEL	15°	256L	1050	805	30K8	LEL	73,625	91
NV-F5-15-256L-1-35K8-LEL	15°	256L	1050	805	35K8	LEL	73,625	91
NV-F5-15-256L-1-40K7-LEL	15°	256L	1050	805	40K7	LEL	85,677	106
NV-F5-15-256L-1-40K8-LEL	15°	256L	1050	805	40K8	LEL	79,294	99
NV-F5-15-256L-1-50K7-LEL	15°	256L	1050	805	50K7	LEL	85,677	106
NV-F5-15-256L-1-50K8-LEL	15°	256L	1050	805	50K8	LEL	79,294	99



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PRODUCT SPECIFICATIONS

Lumen Chart								
30° Optic								
MODEL #	Optics	LED Count	Drive Current	Wattage	CCT	Glare Control	Lumens	LPW
NV-F5-30-256L-7-30K7-LEL	30°	256L	700	537	30K7	LEL	45,927	85
NV-F5-30-256L-7-30K8-LEL	30°	256L	700	537	30K8	LEL	42,643	79
NV-F5-30-256L-7-35K8-LEL	30°	256L	700	537	35K8	LEL	42,643	79
NV-F5-30-256L-7-40K7-LEL	30°	256L	700	537	40K7	LEL	49,624	92
NV-F5-30-256L-7-40K8-LEL	30°	256L	700	537	40K8	LEL	45,927	85
NV-F5-30-256L-7-50K7-LEL	30°	256L	700	537	50K7	LEL	49,624	92
NV-F5-30-256L-7-50K8-LEL	30°	256L	700	537	50K8	LEL	45,927	85
NV-F5-30-256L-75-30K7-LEL	30°	256L	750	576	30K7	LEL	49,207	85
NV-F5-30-256L-75-30K8-LEL	30°	256L	750	576	30K8	LEL	45,689	79
NV-F5-30-256L-75-35K8-LEL	30°	256L	750	576	35K8	LEL	45,689	79
NV-F5-30-256L-75-40K7-LEL	30°	256L	750	576	40K7	LEL	53,168	92
NV-F5-30-256L-75-40K8-LEL	30°	256L	750	576	40K8	LEL	49,207	85
NV-F5-30-256L-75-50K7-LEL	30°	256L	750	576	50K7	LEL	53,168	92
NV-F5-30-256L-75-50K8-LEL	30°	256L	750	576	50K8	LEL	49,207	85
NV-F5-30-256L-8-30K7-LEL	30°	256L	800	614	30K7	LEL	52,487	85
NV-F5-30-256L-8-30K8-LEL	30°	256L	800	614	30K8	LEL	48,735	79
NV-F5-30-256L-8-35K8-LEL	30°	256L	800	614	35K8	LEL	48,735	79
NV-F5-30-256L-8-40K7-LEL	30°	256L	800	614	40K7	LEL	56,713	92
NV-F5-30-256L-8-40K8-LEL	30°	256L	800	614	40K8	LEL	52,487	85
NV-F5-30-256L-8-50K7-LEL	30°	256L	800	614	50K7	LEL	56,713	92
NV-F5-30-256L-8-50K8-LEL	30°	256L	800	614	50K8	LEL	52,487	85
NV-F5-30-256L-9-30K7-LEL	30°	256L	900	691	30K7	LEL	59,048	85
NV-F5-30-256L-9-30K8-LEL	30°	256L	900	691	30K8	LEL	54,827	79
NV-F5-30-256L-9-35K8-LEL	30°	256L	900	691	35K8	LEL	54,827	79
NV-F5-30-256L-9-40K7-LEL	30°	256L	900	691	40K7	LEL	63,802	92
NV-F5-30-256L-9-40K8-LEL	30°	256L	900	691	40K8	LEL	59,048	85
NV-F5-30-256L-9-50K7-LEL	30°	256L	900	691	50K7	LEL	63,802	92
NV-F5-30-256L-9-50K8-LEL	30°	256L	900	691	50K8	LEL	59,048	85
NV-F5-30-256L-97-30K7-LEL	30°	256L	975	748	30K7	LEL	63,969	85
NV-F5-30-256L-97-30K8-LEL	30°	256L	975	748	30K8	LEL	59,396	79
NV-F5-30-256L-97-35K8-LEL	30°	256L	975	748	35K8	LEL	59,396	79
NV-F5-30-256L-97-40K7-LEL	30°	256L	975	748	40K7	LEL	69,119	92
NV-F5-30-256L-97-40K8-LEL	30°	256L	975	748	40K8	LEL	63,969	85
NV-F5-30-256L-97-50K7-LEL	30°	256L	975	748	50K7	LEL	69,119	92
NV-F5-30-256L-97-50K8-LEL	30°	256L	975	748	50K8	LEL	63,969	85
NV-F5-30-256L-1-30K7-LEL	30°	256L	1050	806	30K7	LEL	68,890	85
NV-F5-30-256L-1-30K8-LEL	30°	256L	1050	806	30K8	LEL	63,965	79
NV-F5-30-256L-1-35K8-LEL	30°	256L	1050	806	35K8	LEL	63,965	79
NV-F5-30-256L-1-40K7-LEL	30°	256L	1050	806	40K7	LEL	74,436	92
NV-F5-30-256L-1-40K8-LEL	30°	256L	1050	806	40K8	LEL	68,890	85
NV-F5-30-256L-1-50K7-LEL	30°	256L	1050	806	50K7	LEL	74,436	92
NV-F5-30-256L-1-50K8-LEL	30°	256L	1050	806	50K8	LEL	68,890	85



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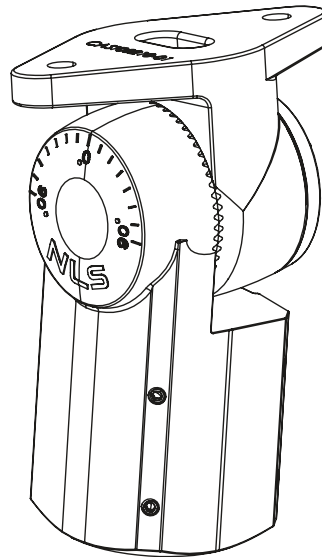
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PRODUCT SPECIFICATIONS

MOUNTING OPTIONS

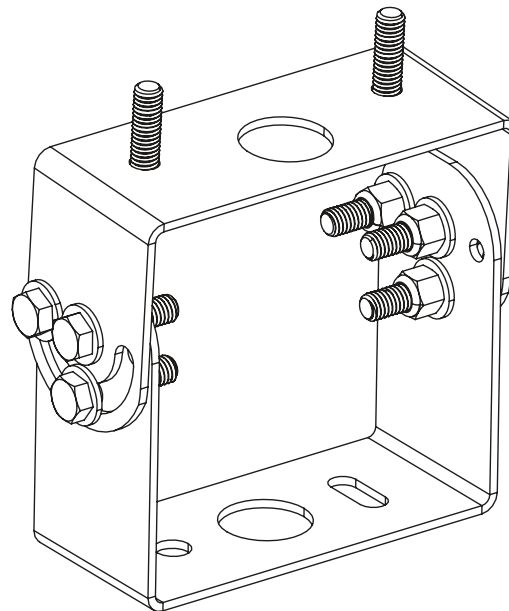
KNUCKLE MOUNT 2 3/8" (KM)

Fits over a 2-3/8" Tenon. Max tilt 90°.



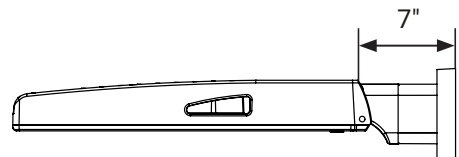
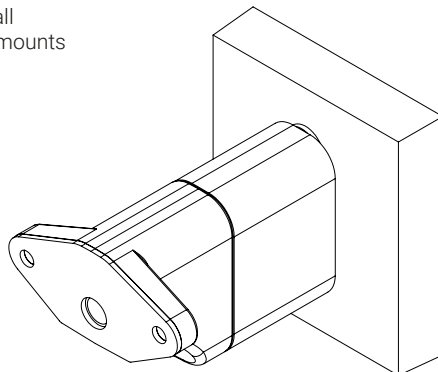
TRUNNION MOUNT (TM)

Standard finish is stainless steel. Trunnion Mount has a universal Mounting Pattern.



WALL MOUNT (WM)

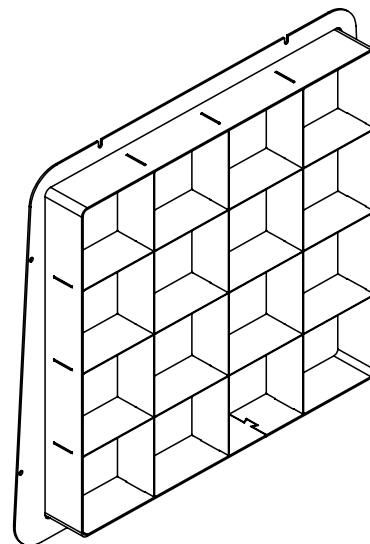
Cast Aluminum Plate for direct wall mount. 2 piece 7" aluminum arm mounts directly to a cast wall mount box.



PRODUCT SPECIFICATIONS

LARGE EGG LOUVER (LEL)

The Large Egg Crate Louver is designed for precision Glare Control with excellent beam management. Best when used with the 15°, 30°, and 55° optics. Laser cut formed aluminum construction. Powder Coated flat black as standard. The **(LEL)** is field installable.



FIXTURE FEATURES & OPTIONS

MARINE GRADE FINISH

The **(MGF)** is a multi step process. Chemically washed in a 5 stage cleaning system. Pre-baked. Powder coated 3-5 mils of Zinc Rich Super Durable Polyester Primer. Oven Baked. Finished Powder Coating of Super Durable Polyester Powder Coat 3-5 mil thickness.



Powder Coat Finish

3-5 mil Powder Coat

Primer Layer

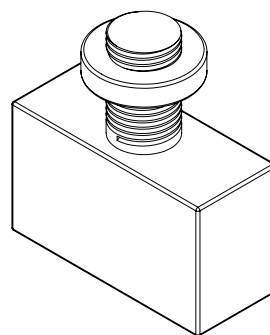
3-5 mil Zinc Rich
Super Durable Polyester Primer

Prepared Casting

Chemically washed in multi Step 5 stage cleaning process

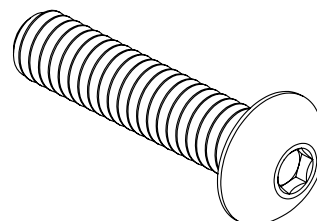
BUTTON PHOTOCELL

Photocell for dusk to dawn operation.
Consult Factory.



TAMPER PROOF HARDWARE

Stainless Steel Button Head Hex Drive Screws. Provided to protect the optical assembly and the driver compartment for vandal resistance.



PRODUCT SPECIFICATIONS

BLACK OPTIC FRAME

Optional Black Optic Frame.
Standard is white. Black Optic Frame
comes with black, zinc coated steel
hardware for the optical frame.

