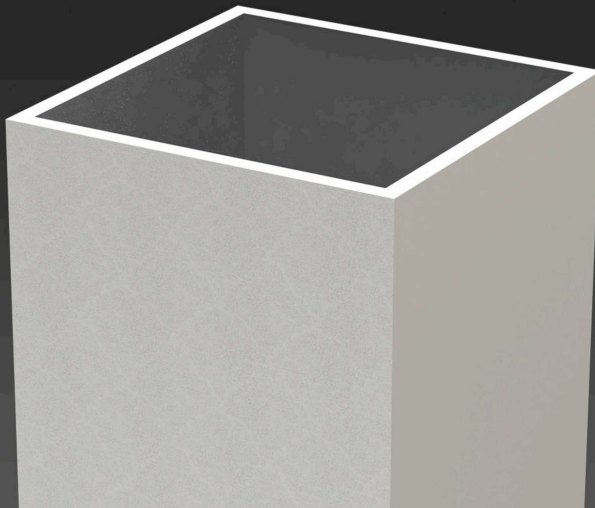



Height

10' - 35'

Pole Shaft

The pole shaft material is a weldable grade hot rolled commercial quality carbon steel tubing with a minimum yield of 46,000 psi. Conforms to ASTM A500 Grade B Standards. Poles have ground lug welded inside hand-hole opposite side of the hand-hole. Pole shaft is welded to base plate on top and bottom of base plate.

Base Plate

The Base Plate is manufactured from structural hot rolled steel that meets or exceeds a minimum yield strength of 36,000 psi, conforms the ASTM-A36 standards. Base Plate vary in size from 1" thick for poles 21 feet and over, 3/4" thick for poles 10 to 20 feet.

Anchor Bolts

All anchor bolts are hot dipped galvanized steel and come with two galvanized nuts and washers per bolt. Minimum yield strength 55,000 psi. Anchor bolts are not included for Custom Bolt Circle.

Base Cover

All base covers are fabricated two-piece 6063 aluminum and powder coated to match the pole.

Hand-Hole

A reinforced hand-hole is 12" on center from the base plate and is constructed of 3"x 5" rectangular steel tubing which is welded to pole shaft for added strength. The hand-hole covers are provided with internal bridge support and powder coated to match pole finish.

Pole Cap

All poles come with a removable polymer pole cap installed. All pole caps are black finish. Aluminum Pole Cap option is painted to match pole.

Finish

All poles are treated with shot blast media for a near white finish, power blasted with 100 psi prior to powder coat application. Electrostatically applied polyester powder coat with a 3 to 5 mil thickness for maximum adherence.

Marine Grade Finish

All poles are washed through a 5-stage cleaning system with a deionized rinse, a 3 to 5 mils zinc rich durable polyester primer powder coat, followed by a 3 to 5 mils super durable polyester powder coat finish.

Galvanized Finish

All poles are Hot Dipped Galvanized in a multi stage process. Galvanizing Specification, Zinc (Hot Dipped Galvanized) per ASTM A 123/A 123M - 02

Zinc coatings on threaded materials shall conform to specification A 153 /A 153M. The coating shall be continuous and reasonably smooth and uniform in thickness and in weight.

Galvanizing Adherence - The Zinc coating shall withstand handling consistent with the nature and thickness of the coating and normal use of the article without peeling or flaking.

Galvanized Under Powder

Galvanized Under Powder (GUP) adheres to above galvanized specification, and the second stage is a light sand blast on the outside of the pole, third stage is a 3-5 mils polyester powder coat finish for maximum adherence.

Vibration Dampener

The Vibration Dampener is factory installed. The Vibration Dampener consists of a rugged galvanized chain coated with heavy duty polyester tubing that is factory secured at the bottom 2-3rds of the pole and field secured by contractor at the base during installation.

Buy American

To ensure the latest BAA/TAA/BABA Standards are being met, please select BAA, TAA, or BABA in the options section. Please contact the factory before placing an order for any NLS products requesting BAA (Buy American Act), TAA (Trade American Act), or BABA (Build America, Buy America).

Project Name:

Type:

SSSP ORDERING GUIDE

Cat#	Height	Pole Dimension	Gauge	Base Pattern
Square Straight Steel Pole (SSSP)	10' (10) 12' (12) 14' (14) 15' (15) 16' (16) 18' (18) 20' (20) 22' (22) 24' (24) 25' (25) 28' (28) 30' (30) 32' (32) 35' (35)	4" Square (4S) 5" Square (5S) 6" Square (6S) ^③	.120 Wall Thickness (11G) .180 Wall Thickness (7G)	(10'-20') 8.187" – 10.187" Bolt Circle (9BC) (22'-35') 10" – 14" Bolt Circle (12BC) Custom Bolt Circle (CBC) * Consult Factory
Mounting	Color	Bolts	Options	
Single (SGL)	Bronze Textured (BRZ)	3/4" x 30" (3430)	GFI Kit (GFI20A) ^① 20 Amp Weather Proof Receptacle	
Double (D-90) (D-180)	White Textured (WHT)	1" x 36" (136)	GFI Provision Only (PROV)	
Triple (T-90)	Smooth White Gloss (SWT)	Less Anchor Bolts (LAB)	Galvanized (GLV)	
Quad (QD)	Silver (SVR)		Galvanized Under Powder (GUP)	
No Drill (ND) *Tenon Option	Green Textured (GRN)		1/2" Coupling (COUP) * Specify Location	
Tenon	Hunter Green Textured (HGN)		Vibration Dampener (VD)	
2 3/8" Round (T2R)	Black Textured (BLK)		Extra Hand Hole (XHH) * Specify Location	
3" Round (T3R)	Smooth Black Gloss (SBK)		Marine Grade Finish (MGF)	
3 1/2" Round (T312R)	Graphite Textured (GPH)		UL Certified with label (UL) ①	
4 1/2" Round (T412R)	Grey Textured (GRY)		Aluminum Pole Cap (APC) ②	
3 1/2" Square (T312S)	Custom (CS)		Buy American (BAA) ②	
4 1/2" Square (T412S)			Trade American (TAA) ②	
5 1/2" Square (T512S)			Build America Buy American (BABA) ②	

Notes:

- ① Aluminum Pole Cap must be selected for UL Certified Pole Option
- ② Consult Factory
- ③ For 6S Pole, minimum bolt circle 10.19"
- ④ Standard weatherproof cover comes standard with option.
For lockable cover requests, please contact factory

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Max. allowable EPA - SSSP poles (per AASHTO LRFDLTS-1)																														
Catalog Number	Shaft Length, ft	Wall thickness, in.	Shaft dia., in.	Base Plate, in.	Bolt Circle, in.	Bolts	80 mph	Max. wt. (lb)	90 mph	Max. wt. (lb)	100 mph	Max. wt. (lb)	110 mph	Max. wt. (lb)	115 mph	Max. wt., lb	120 mph	Max. wt., lb	130 mph	Max. wt., lb	140 mph	Max. wt., lb	150 mph	Max. wt., lb	160 mph	Max. wt., lb	170 mph	Max. wt., lb	180 mph	Max. wt., lb
SSSP-10-4S-11G-9BC-3430	10	0.120	4	9" sq.	9	3/4"x30"	20.0	250	20.0	250	20.0	250	20.0	250	20.0	250	20.0	250	20.0	250	20.0	250	17.8	250	15.6	250	13.2	250	11.4	250
SSSP-12-4S-11G-9BC-3430	12	0.120	4	9" sq.	9	3/4"x30"	20.0	250	20.0	250	20.0	250	20.0	250	20.0	250	20.0	250	19.5	250	16.3	250	13.7	250	11.9	250	10.1	250	8.7	218
SSSP-14-4S-11G-9BC-3430	14	0.120	4	9" sq.	9	3/4"x30"	20.0	250	20.0	250	20.0	250	20.0	250	20.0	250	19.3	250	15.9	250	13.1	250	10.9	250	9.1	227	7.3	183	6.3	158
SSSP-15-4S-7G-9BC-3430	15	0.188	4	9" sq.	9	3/4"x30"	20.0	250	20.0	250	20.0	250	20.0	250	20.0	250	20.0	250	17.7	250	14.7	250	11.9	250	9.9	248	8.3	208	6.9	173
SSSP-16-4S-11G-9BC-3430	16	0.120	4	9" sq.	9	3/4"x30"	20.0	250	20.0	250	20.0	250	18.1	250	16.1	250	14.7	250	11.9	250	9.7	242	7.9	198	6.1	153	5.1	128	4.1	103
SSSP-18-4S-11G-9BC-3430	18	0.120	4	9" sq.	9	3/4"x30"	20.0	250	20.0	250	19.2	250	15.2	250	13.2	250	12.0	250	9.2	230	7.2	180	5.6	140	4.6	115	3.2	80	2.2	60
SSSP-20-4S-11G-9BC-3430	20	0.120	4	9" sq.	9	3/4"x30"	20.0	250	20.0	250	16.1	250	12.3	250	10.7	250	9.7	242	7.1	178	5.3	133	3.9	98	2.7	68	1.7	60	0.9	60
SSSP-20-4S-7G-9BC-3430	20	0.188	4	9" sq.	9	3/4"x30"	20.0	250	20.0	250	20.0	250	15.7	250	14.1	250	12.5	250	9.5	238	7.7	193	5.7	143	4.3	108	3.1	78	2.1	60
SSSP-20-5S-11G-9BC-3430	20	0.120	5	9" sq.	9	3/4"x30"	20.0	250	20.0	250	20.0	250	19.3	250	16.9	250	15.0	250	11.6	250	9.0	226	6.9	172	5.1	128	3.7	92	2.5	63
SSSP-20-5S-7G-9BC-3430	20	0.188	5	9" sq.	9	3/4"x30"	20.0	250	20.0	250	20.0	250	20.0	250	20.0	250	20.0	250	17.9	250	14.4	250	11.6	250	9.3	232	7.4	184	5.8	144
SSSP-22-4S-11G-12BC-136	22	0.120	4	12" sq.	12	1"x36"	20.0	250	16.7	250	12.4	250	9.2	231	7.9	198	6.8	169	4.9	123	3.4	85	2.2	60	1.2	60	0.4	60	0.0	-
SSSP-22-4S-7G-12BC-136	22	0.188	4	12" sq.	12	1"x36"	20.0	250	20.0	250	19.2	250	14.8	250	13.0	250	11.5	250	8.9	223	6.8	171	5.2	130	3.8	96	2.7	68	1.8	60
SSSP-22-5S-11G-12BC-136	22	0.120	5	12" sq.	12	1"x36"	20.0	250	20.0	250	19.3	250	14.6	250	12.7	250	11.0	250	8.2	206	6.0	151	4.2	106	2.8	71	1.6	60	0.6	60
SSSP-22-5S-7G-12BC-136	22	0.188	5	12" sq.	12	1"x36"	20.0	250	20.0	250	20.0	250	20.0	250	20.0	250	20.0	250	15.9	250	12.6	250	10.0	250	7.9	197	6.1	152	4.6	116
SSSP-24-4S-11G-12BC-136	24	0.120	4	12" sq.	12	1"x36"	19.6	250	14.0	250	10.4	250	7.2	180	6.0	150	5.2	130	3.2	80	1.8	60	1.0	60	0.0	-	0.0	-	0.0	-
SSSP-24-4S-7G-12BC-136	24	0.188	4	12" sq.	12	1"x36"	20.0	250	20.0	250	16.4	250	12.4	250	10.8	250	9.4	234	7.0	175	5.1	128	3.6	90	2.4	60	1.4	60	0.5	60
SSSP-24-5S-11G-12BC-136	24	0.120	5	12" sq.	12	1"x36"	20.0	250	20.0	250	16.2	250	11.9	250	10.1	250	8.6	215	6.1	152	4.1	101	2.4	61	1.1	60	0.0	-	0.0	-
SSSP-24-5S-7G-12BC-136	24	0.188	5	12" sq.	12	1"x36"	20.0	250	20.0	250	20.0	250	20.0	250	19.1	250	16.9	250	13.1	250	10.1	250	7.7	192	5.8	144	4.1	103	2.7	68
SSSP-25-4S-11G-12BC-136	25	0.120	4	12" sq.	12	1"x36"	18.2	250	13.2	250	9.4	235	6.6	165	5.4	135	4.4	110	2.8	70	1.2	60	0.4	60	0.0	-	0.0	-	0.0	-
SSSP-25-4S-7G-12BC-136	25	0.188	4	12" sq.	12	1"x36"	20.0	250	20.0	250	15.1	250	11.3	250	9.8	244	8.4	210	6.1	153	4.3	108	2.9	71	1.7	60	0.7	60	0.0	-
SSSP-25-5S-11G-12BC-136	25	0.120	5	12" sq.	12	1"x36"	20.0	250	20.0	250	14.7	250	10.6	250	9.0	224	7.5	188	5.1	127	3.1	78	1.6	60	0.3	60	0.0	-	0.0	-
SSSP-25-5S-7G-12BC-136	25	0.188	5	12" sq.	12	1"x36"	20.0	250	20.0	250	20.0	250	20.0	250	17.6	250	15.4	250	11.8	250	8.9	223	6.7	166	4.7	118	3.2	80	1.9	60
SSSP-26-4S-11G-12BC-136	26	0.120	4	12" sq.	12	1"x36"	17.2	250	11.8	250	8.4	210	5.4	135	4.6	115	3.4	85	1.8	60	0.8	60	0.0	-	0.0	-	0.0	-	0.0	-
SSSP-26-4S-7G-12BC-136	26	0.188	4	12" sq.	12	1"x36"	20.0	250	19.0	250	14.0	250	10.3	250	8.8	220	7.5	187	5.3	133	3.6	89	2.2	60	1.0	60	0.1	60	0.0	-
SSSP-26-5S-11G-12BC-136	26	0.120	5	12" sq.	12	1"x36"	20.0	250	18.8	250	13.4	250	9.5	237	7.8	196	6.5	161	4.1	103	2.3	60	0.8	60	0.0	-	0.0	-	0.0	-
SSSP-26-5S-7G-12BC-136	26	0.188	5	12" sq.	12	1"x36"	20.0	250	20.0	250	20.0	250	18.6	250	16.2	250	14.1	250	10.6	250	7.9	196	5.6	141	3.8	95	2.3	60	1.0	60
SSSP-28-4S-7G-12BC-136	28	0.188	4	12" sq.	12	1"x36"	20.0	250	16.4	250	11.8	250	8.4	210	7.0	175	5.8	144	3.8	94	2.2	60	0.9	60	0.0	-	0.0	-	0.0	-
SSSP-28-5S-11G-12BC-136	28	0.120	5	12" sq.	12	1"x36"	20.0	250	16.0	250	11.0	250	7.3	182	5.8	144	4.5	112	2.3	60	0.6	60	0.0	-	0.0	-	0.0	-	0.0	-
SSSP-28-5S-7G-12BC-136	28	0.188	5	12" sq.	12	1"x36"	20.0	250	20.0	250	20.0	250	15.7	250	13.5	250	11.6	250	8.4	209	5.8	145	3.7	93	2.0	60	0.6	60	0.0	-
SSSP-28-6S-7G-12BC-136	28	0.188	6	12" sq.	12	1"x36"	20.0	250	20.0	250	20.0	250	19.8	250	17.0	250	14.6	250	10.6	250	7.4	185	4.9	121	2.7	68	1.0	60	0.0	-
SSSP-30-5S-11G-12BC-136	30	0.120	5	12" sq.	12	1"x36"	19.9	250	13.4	250	8.7	218	5.3	132	3.9	98	2.7	67	0.6	60	0.0	-	0.0	-	0.0	-	0.0	-	0.0	-
SSSP-30-5S-7G-12BC-136	30	0.188	5	12" sq.	12	1"x36"	20.0	250	20.0	250	18.2	250	13.2	250	11.1	250	9.3	233	6.3	157	3.9	98	2.0	60	0.4	60	0.0	-	0.0	-
SSSP-30-6S-7G-12BC-136	30	0.188	6	12" sq.	12	1"x36"	20.0	250	20.0	250	20.0	250	16.6	250	14.0	250	11.8	250	8.0	201	5.1	126	2.7	66	0.7	60	0.0	-	0.0	-
SSSP-32-5S-7G-12BC-136	32	0.188	5	12" sq.	12	1"x36"	20.0	250	20.0	250	17.5	250	13.0	250	11.2	250	9.6	239	6.9	173	4.8	119	3.1	77	1.7	60	0.6	60	0.0	-
SSSP-32-6S-7G-12BC-136	32	0.188	6	12" sq.	12	1"x36"	20.0	250	20.0	250	20.0	250	16.4	250	14.1	250	12.1	250	8.8	219	6.2	154	4.0	101	2.3	60	0.9	60	0.0	-
SSSP-35-5S-7G-12BC-136	35	0.188	5	12" sq.	12	1"x36"	20.0	250	19.3	250	13.8	250	9.6	240	8.0	199	6.5	162	4.1	102	2.1	60	0.6	60	0.0	-	0.0	-	0.0	-
SSSP-35-6S-7G-12BC-136	35	0.188	6	12" sq.	12	1"x36"	20.0	250	20.0	250	17.3	250	12.2	250	10.1	250	8.3	207	5.3	132	2.9	72	1.0	60	0.0	-	0.0	-	0.0	-
SSSP-40-5S-7G-12BC-136	40	0.188	5	12" sq.	12	1"x36"	20.0	250	13.2	250	8.4	210	4.8	120	3.3	83	2.0	60	0.0	-	0.0	-	0.0	-	0.0	-	0.0	-	0.0	-
SSSP-40-6S-7G-12BC-136	40	0.188	6	12" sq.	12	1"x36"	20.0	250	16.7	250	10.7	250	6.2	155	4.4	110	2.8	70	0.1	60	0.0	-	0.0	-	0.0	-	0.0	-	0.0	-
*Pole Assemblies With EPA>9.0 Require Specific Review																														

*Pole Assemblies With EPA>9.0 Require Specific Review

CAUTION: Installation of poles without luminaire(s) will compromise pole strength. Any accessories attached to the pole, or other modifications done in the field, will compromise the pole strength and may result in pole failure. Wind load evaluations and provisions for appendages such as banner arms, signage, cameras, etc., must be evaluated and approved by the factory prior to placing an order. Additional evaluation and approval should be performed by the customer's local structural engineer on the project.

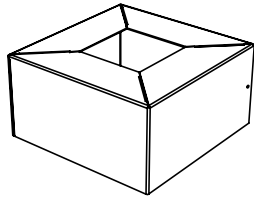
***Anchor Bolts are NOT included with Custom Bolt Circle.
*Do NOT pour concrete referencing this drawing. Consult Factory.**

***All wind loading calculations are based on sustained wind force plus an additional 1.3 gust.**

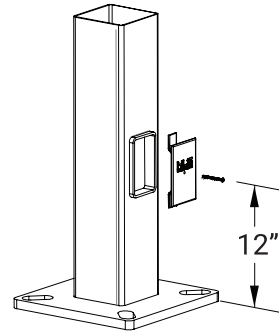


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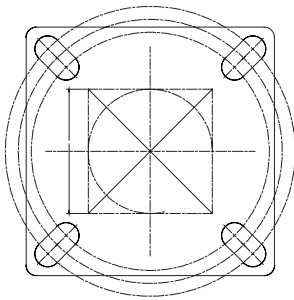
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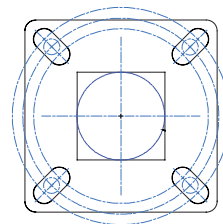
Base Cover



Base Detail



12" Base Detail



9" Base Detail

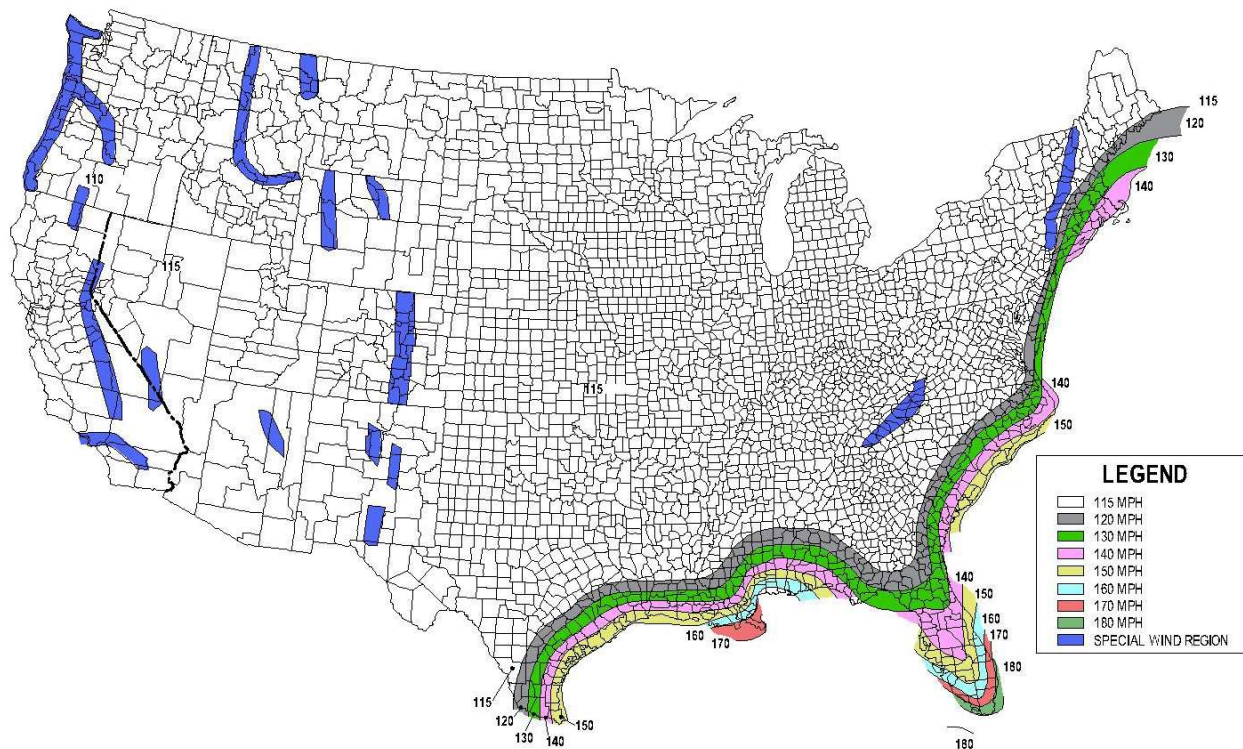


FIG. 3.8-1b - 700-Year MRI Basic Wind Speed, mph (AASHTO LRFDLTS-1)

- 1) All wind load calculations are based on sustained wind force plus and additional 1.3 gust
- 2) Wind Map is to be used as a reference only. Please coordinate with local agencies for further review.
- 3) Wind Map values are based on a 50 year mean recurrence. These values do not account for severe conditions, such as hurricanes, tornadoes, etc...
- 4) For review of poles with additional configurations (arms, banners, shorter/longer pole lengths, etc...), please contact factory.

BUY AMERICAN OPTION

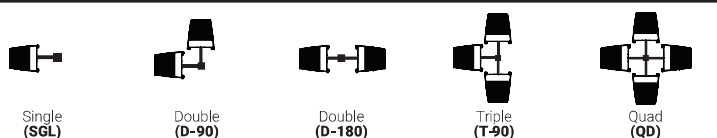
While all of the NLS Lighting products listed in this document qualify for the Buy America(n) Act of 1933, we reserve the right to change our listings without notice.

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

MOUNTING CONFIGURATION





LED WATTAGE CHART

	16L
400 milliamps	21w
530 milliamps	26w
700 milliamps	35w

The Sea Side Bollard is a combination of security, style and Vandal resistance that blends beautifully into any pathway environment.

This luminaire tower can disperse light in 45° angle with the cast Cutoff Grill (COG45). Para-line Reflector (PR) or Stacked Louver (SL) are also optional light distributions.

The Sea Side Bollard uses the patented Star Power™ reflector system. The Dome Top selection offers either Dome or Flat and are available in either 8" or 6" Round or 8" Square. Kelvin temperature offering of Amber, 2700K, 3000K, 3500K, 4000K and 5000K.

Conforms to the strictest Made in America standards designed, tooled, fabricated and assembled in the USA.

BUY AMERICAN

To ensure the latest BAA/TAA/BABA Standards are being met, please select BAA, TAA, or BABA in the options section. Please contact the factory before placing an order for any NLS products requesting BAA (Buy American Act), TAA (Trade American Act), or BABA (Build America, Buy America).



STAR POWER™ OPTICAL SYSTEM

The Star Power™ reflector is an excellent system which provides great value and performance. Star Power Patent number: 10168023

Project Name:

Type:

SEA SIDE BOLLARD ORDERING GUIDE

Cat#	Height	Shaft Dim.	Light Dist.	# of LEDs	Miliamps
Sea Side Flat Top (SSF)	26" (2)	6" Round (6R) ³	Cut Off Grill (COG45)	16 (16L)	400 (40)
Sea Side Dome Top (SSD) ³	36" (3)	8" Round (8R) ³	Stacked Louver (SL)		530 (53)
	42" (4)	8" Square (8S)	Paracline Reflector (PR)		700 (7)

Kelvin	Volts	Mounting	Color	Options
Amber 585-600nm (AMBER) ^{5, 7, 8}	120-277 (UNV)	Anchor Base (AB)	Bronze Textured (BRZ)	Button Photocell (PC) ²
Amber LED Phosphor Converted (AMBER/PC) ^{7, 8}	347-480 (HV)		White Textured (WHT)	Vandal Resistant Base (VRB)
2700K, 70 CRI (27K7)			Smooth White Gloss (SWT)	Marine Grade Finish (MGF)
2700K, 80 CRI (27K8) ¹			Silver Metallic (SVR)	House Side Shield (HSS)
3000K, 70 CRI (30K7)			Black Textured (BLK)	Surge Protector (20K)
3000K, 80 CRI (30K8) ¹			Smooth Black Gloss (SBK)	Buy American Act (BAA) ⁶
3500K, 80 CRI (35K8) ¹			Graphite Textured (GPH)	Trade Agreement Act (TAA) ⁶
4000K, 70 CRI (40K7)			Grey Textured (GRY)	Build America Buy American (BABA) ⁶
4000K, 80 CRI (40K8) ¹			Green Textured (GRN)	Custom Controls Integration (CCI) ⁴
5000K, 70 CRI (50K7)			Hunter Green Textured (HGN)	Integral GFCI Outlet (GFCI) ^{9, 10}
5000K, 80 CRI (50K8) ¹			Custom (CS)	USB Charging Outlet (USB) ^{9, 11}

NOTES:

1. Consult Factory for Lead Time. Consult Factory for 90 CRI Requests.
2. Universal Voltage 120-277
3. (SSD) Dome Top only available on Round shaft
4. Please contact Factory for Custom Control Integration requests (nLight, NX, WaveLinx, Crestron, DMX/RDM, Synapse, Casambi, Dali II, Avi-On, or other control systems)
5. Turtle Safe
6. Consult factory for all BAA/TAA/BABA requests
7. Consult Factory for Lead Time
8. Not Available above 530mA
9. 120V Only
10. GFCI installed 12" from base, street side. Contact Factory for custom height
11. USB - Specify location.



701 Kingshill Place, Carson, CA 90746
Call Us Today (310) 341-2037

nlsighting.com

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
- CRI 70, 80 or 90
- Color temperatures: Amber, 2700, 3000K, 3500K, 4000K, 5000K
- Surge Protection: 20kA supplied as standard.

CONSTRUCTION

- Extruded Aluminum. Cast Aluminum. Spun Aluminum

OPTIONS

- **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, 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.
- **VANDAL RESISTANT BASE (VRB)** - Includes an internal shaft welded to base plate with a mounting plate on top of the shaft to provide additional support for the bollard shaft.
- House Side Shield (HSS)
- 20ka Surge Protector (20K)
- Integral GFCI Outlet (GFCI)
- USB Charging Outlet (USB)

CONTROL OPTIONS

- **PHOTOCELL (PC)** - Button Type
- **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)

OPTICS

Recessed Star Power Optical System is 95% reflective material. Utilizes a linear diffused pattern, softening the light distribution and eliminating any dark shadows or striations.

FINISH

- 3-5 mils electrostatic powder coat.
- NLS Lighting standard high-quality finishes prevent corrosion and protects against extreme environmental conditions
- 10 Standard Finishes, Custom Finish and Marine Grade Finish Available

WARRANTY

Five-year limited warranty for drivers and LEDs.

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://nslighting.com/buy-american/>



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.

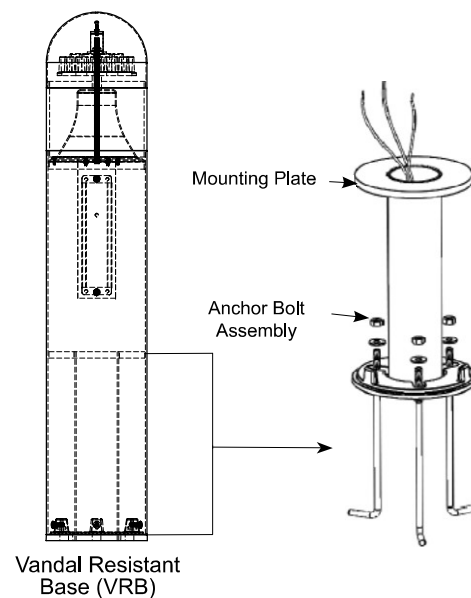
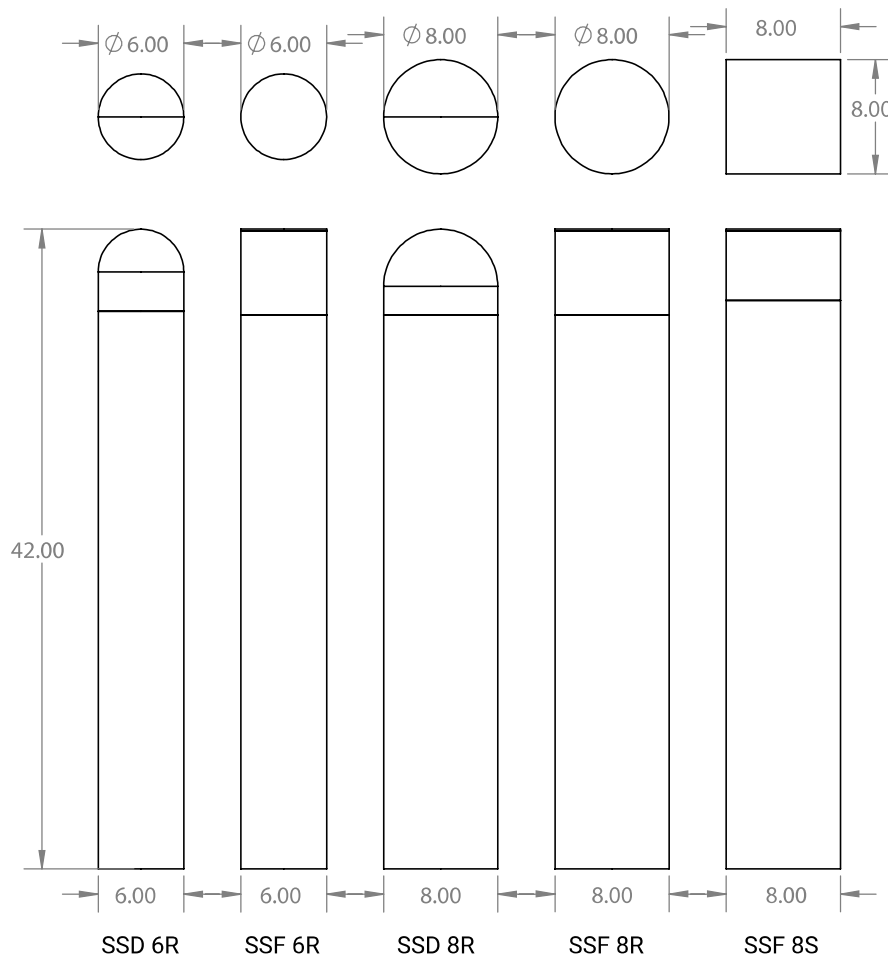


701 Kingshill Place, Carson, CA 90746
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nslighting.com

PRODUCT SPECIFICATIONS

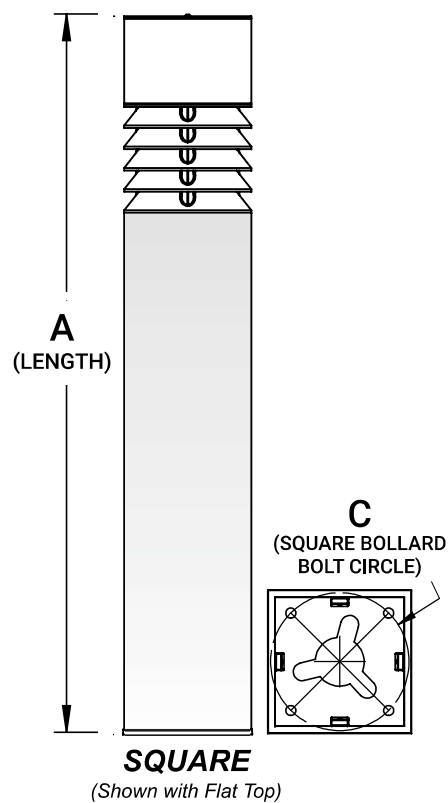
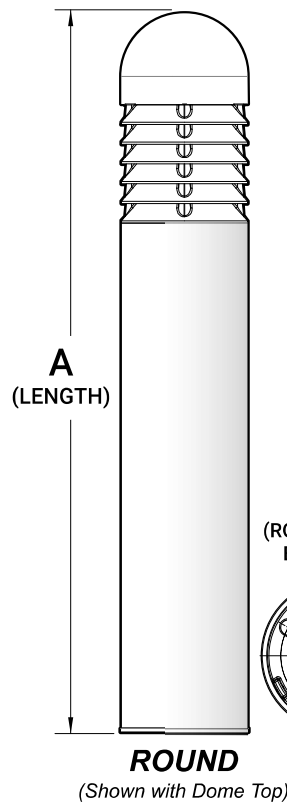
DIMENSIONS



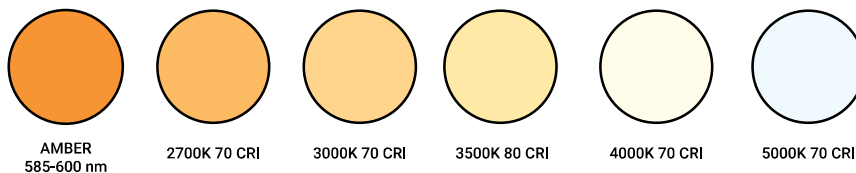
PRODUCT SPECIFICATIONS

DIMENSION	6" ROUND	8" ROUND
A	26", 36", or 42"	26", 36", or 42"
B	3-5/8"	6"

DIMENSION	8" SQUARE
A	26", 36", or 42"
C	7.75"



LED KELVIN RANGE



Color	Dominant or Peak Wavelength Range (nm)	
	Minimum	Maximum
Amber	585	600

LUMEN MAINTENANCE DATA							
Ambient Temperature	Drive Current	L90 Hours*	L70 Hours**	30,000 Hours*	50,000 Hours*	60,000 Hours*	100,000 Hours**
25°C	Up to 700mA	58,000	173,000	95.7%	91.6%	89.6%	82.1%
*Reported extrapolations per IESNA TM-21				**Projected extrapolations per IESNA TM-21			

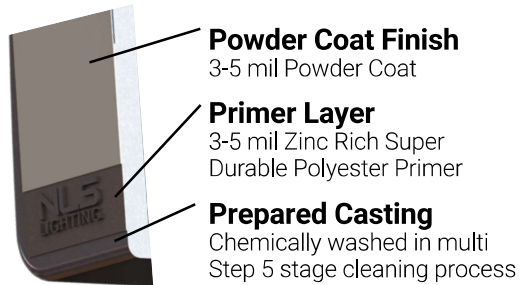
PRODUCT SPECIFICATIONS

SEA SIDE BOLLARD - LUMEN DATA CHART			
PART NUMBER	T5 LUMENS	T5 Lm/W	WATTS
SEA SIDE-COG45-16L-40-27K7	987	47	21
SEA SIDE-COG45-16L-40-27K8	924	44	21
SEA SIDE-COG45-16L-40-30K8	991	47	21
SEA SIDE-COG45-16L-40-30K7	1067	51	21
SEA SIDE-COG45-16L-40-35K8	991	47	21
SEA SIDE-COG45-16L-40-40K8	1067	51	21
SEA SIDE-COG45-16L-40-40K7	1153	55	21
SEA SIDE-COG45-16L-40-50K8	1067	51	21
SEA SIDE-COG45-16L-40-50K7	1153	55	21
SEA SIDE-COG45-16L-53-30K	1429	55	26
SEA SIDE-COG45-16L-53-40K	1502	58	26
SEA SIDE-COG45-16L-53-50K	1502	58	26
SEA SIDE-COG45-16L-7-30K	1906	53	36
SEA SIDE-COG45-16L-7-40K	2003	56	36
SEA SIDE-COG45-16L-7-50K	2003	56	36
SEA SIDE-SL-16L-40-27K7	1081	51	21
SEA SIDE-SL-16L-40-27K8	1012	48	21
SEA SIDE-SL-16L-40-30K8	1085	52	21
SEA SIDE-SL-16L-40-30K7	1169	56	21
SEA SIDE-SL-16L-40-35K8	1085	52	21
SEA SIDE-SL-16L-40-40K8	1169	56	21
SEA SIDE-SL-16L-40-40K7	1263	60	21
SEA SIDE-SL-16L-40-50K8	1169	56	21
SEA SIDE-SL-16L-40-50K7	1263	60	21
SEA SIDE-SL-16L-53-30K	1508	58	26
SEA SIDE-SL-16L-53-40K	1612	62	26
SEA SIDE-SL-16L-53-50K	1690	65	26
SEA SIDE-SL-16L-7-30K	2030	58	35
SEA SIDE-SL-16L-7-40K	2170	62	35
SEA SIDE-SL-16L-7-50K	2275	65	35
SEA SIDE-PR-16L-40-27K7	1397	67	21
SEA SIDE-PR-16L-40-27K8	1308	62	21
SEA SIDE-PR-16L-40-30K8	1402	67	21
SEA SIDE-PR-16L-40-30K7	1510	72	21
SEA SIDE-PR-16L-40-35K8	1402	67	21
SEA SIDE-PR-16L-40-40K8	1510	72	21
SEA SIDE-PR-16L-40-40K7	1632	78	21
SEA SIDE-PR-16L-40-50K8	1510	72	21
SEA SIDE-PR-16L-40-50K7	1632	78	21
SEA SIDE-PR-16L-53-30K	2002	77	26
SEA SIDE-PR-16L-53-40K	2106	81	26
SEA SIDE-PR-16L-53-50K	2184	84	26
SEA SIDE-PR-16L-7-30K	2695	77	35
SEA SIDE-PR-16L-7-40K	2835	81	35
SEA SIDE-PR-16L-7-50K	2975	85	35

PRODUCT SPECIFICATIONS

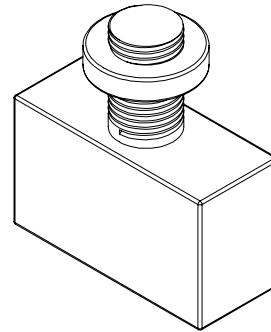
MARINE GRADE FINISH (MGF)

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.

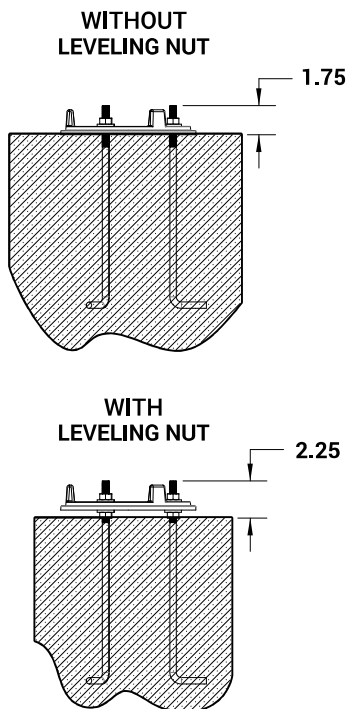


BUTTON TYPE PHOTOCELL (PC)

Photocell for dusk to dawn operation.
Consult Factory.



LEVELING NUT DIAGRAM



Batwing, Wall Wash, Graze, Room Fill Distributions with just a lens change. Wash walkways with light from the perimeter, wash or graze a building facade, with seamless lines of light.



Lumen output may vary +/- 5%
Light Loss Factor (LLF) for CCTs other than 3500K:
 4000K +2%, 3000K -5%, 2700K -20% 90 CRI -15%
 (3K, 3500K, 4K & 5K)

	LO	MO	SO	HO
SAL Lm/Ft	475	700	975	1225
BTW Lm/Ft	475	700	975	1225
WWG Lm/Ft	475	700	975	1225
PFL Lm/Ft	475	700	975	1225
WGZ Lm/Ft	475	700	975	1225
W	3.8	5.6	7.8	10.5

SMART SPECS

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FLSH:

SATIN LENS

STANDARD OUTPUT:

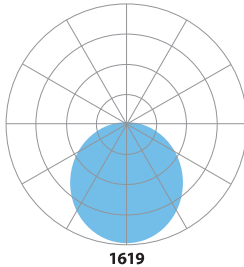
WETBIOPRO3-LIN-FLSH-LED35-SO-04-SAL

3859 Delivered Lumens

32 Watts

122 lm/w

3500 CCT



Zonal Lumen Summary:
0-90 = 100%

1619

Vertical Angle	0°	25°	45°	65°	90°
0°	1619	1619	1619	1619	1619
5°	1614	1607	1600	1607	1610
15°	1538	1523	1502	1495	1493
25°	1393	1367	1326	1302	1294
35°	1192	1160	1103	1070	1059
45°	960	922	869	838	827
55°	715	685	644	618	609
65°	478	445	420	402	397
75°	247	224	212	205	203
85°	53	50	51	49	48
90°	0	0	0	0	0

WIDE WALL GRAZE

HIGH OUTPUT:

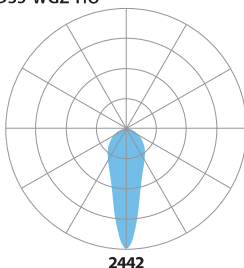
WETBIOPRO3-LIN-FLSH-LED35-WGZ-HO

4983 Delivered Lumens

42 Watts

119 lm/w

3500 CCT



Zonal Lumen Summary:
0-90 = 100%

2442

Vertical Angle	0°	25°	45°	65°	90°
0°	1907	1907	1907	1907	1907
5°	2107	2099	2035	1962	1811
15°	2429	2385	2221	1998	1723
25°	2442	2408	2254	1915	1553
35°	1192	1160	1103	1070	1059
45°	1339	1409	1595	1381	1051
55°	832	887	1082	989	767
65°	479	506	639	609	495
75°	221	233	297	297	257
85°	38	40	61	49	51
90°	0	0	0	0	0

BATWING

HIGH OUTPUT:

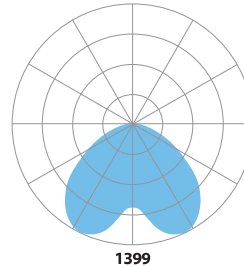
WETBIOPRO3-LIN-FLSH-LED35-BTW-HO

4931 Delivered Lumens

42 Watts

117 lm/w

3500 CCT



Zonal Lumen Summary:
0-90 = 100%

1399

Vertical Angle	0°	22.5°	45°	67.5°	90°
0°	1327	1327	1327	1327	1327
5°	1323	1332	1360	1377	1399
15°	1212	1320	1535	1690	1759
25°	1030	1264	1651	1847	1894
35°	837	1152	1605	1767	1781
45°	674	982	1417	1500	1459
55°	536	771	729	673	615
65°	391	536	420	402	397
75°	222	293	368	330	298
85°	60	79	83	77	58
90°	0	0	0	0	0

ROOM FILL / FOCAL GLOW WALL WASH

HIGH OUTPUT:

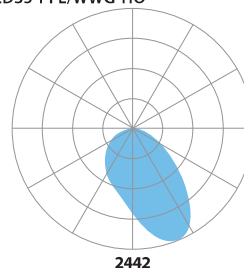
WETBIOPRO3-LIN-FLSH-LED35-PFL/WWG-HO

4983 Delivered Lumens

42 Watts

119 lm/w

3500 CCT



Zonal Lumen Summary:
0-90 = 100%

2442

Vertical Angle	0°	25°	45°	65°	90°
0°	1907	1907	1907	1907	1907
5°	2107	2099	2035	1962	1811
15°	2429	2385	2221	1998	1723
25°	2442	2408	2254	1915	1553
35°	1192	1160	1103	1070	1059
45°	1339	1409	1595	1381	1051
55°	832	887	1082	989	767
65°	479	506	639	609	495
75°	221	233	297	297	257
85°	38	40	61	49	51
90°	0	0	0	0	0

LUMEN MAINTENANCE

L70 — 200,000+ Hours

L90 — 100,000+ Hours
(LO, MO & SO)

L90 — 60,000+ Hours (HO)

LED SYSTEM LED modules and drivers are field replaceable.

PROG (OPTIONAL) Programmable light output. Specify desired lumens or watts per linear foot.

LABELS CSA and ETL wet labeled (downlight only), IP65 for continuous rows, IP66 for individual fixtures (up to 8'), and I.B.E.W. manufactured. Impact rating of IK08. Extended temperature range -30° to 50° C.

ELECTRICAL Must specify LED dimming controls. LED fixtures have constant current driver(s) with less than 20% THD when loaded to a minimum of 60%. Drivers sink a maximum of 6mA per driver. DM01 LED drivers are 0-10V dimmable and are compatible with most 0-10V wall slide dimmers and direct 0-10V analog signal dimmers. Max driver size 1.65" w x 1.25" h.

CONSTRUCTION

Housing Extruded aluminum housing and side wall >25% PC recycled, 100% recyclable.

Lens Seamless lens up to 200'. Consult factory for longer lengths. Polymer, 100% recyclable.

Weight 3.5 lbs/ft

MOUNTING Surface standoff mounted to walls or ceilings (downlight only) via channel or mullion, suspended by cable.

WARRANTY Single-source, 5 year limited warranty covers standard components and construction.

FINISH COLORS

WetTMW – White
(Semi Gloss)

WetYBB – Black
(Semi Gloss)

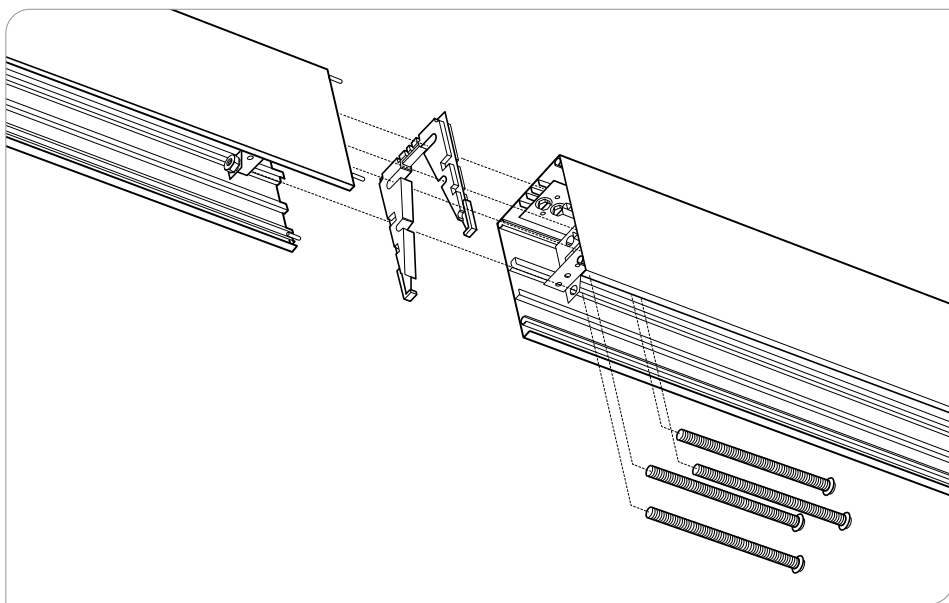
WetYPE – Pewter
(Matte)

WetYBR – Bronze
(Semi Gloss)

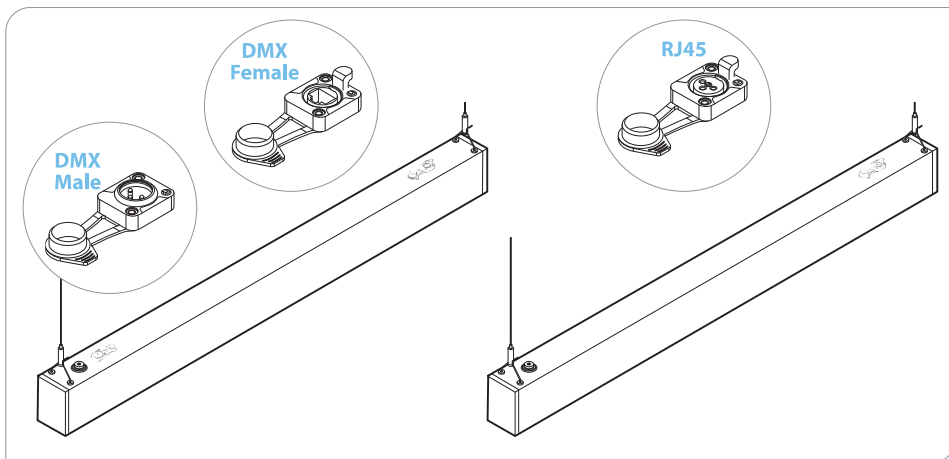
For paint chip samples, please email: info@prulite.com



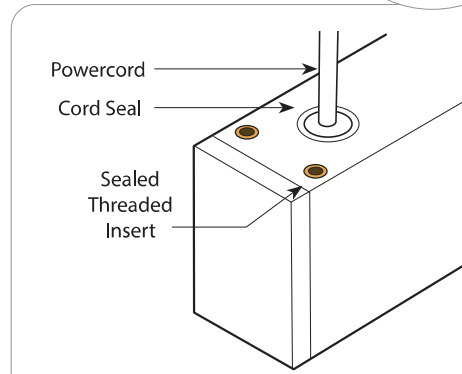
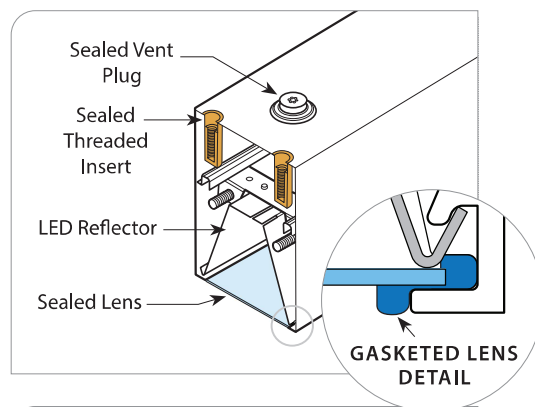
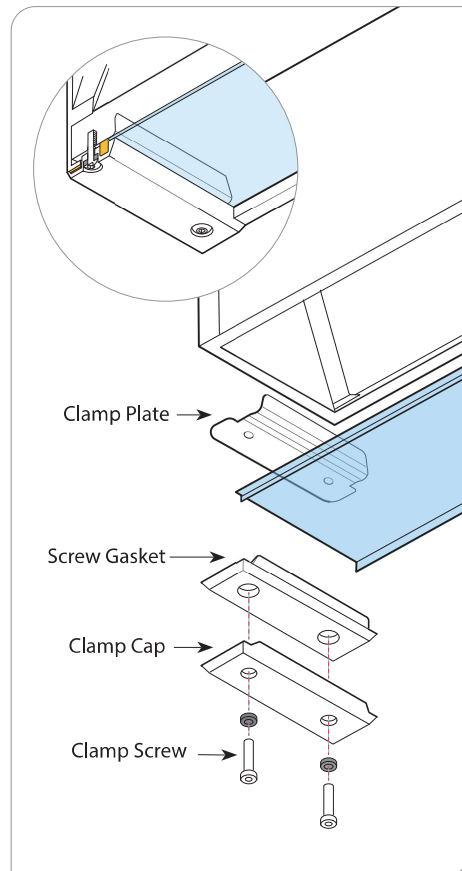
ADJOINING DETAIL



DMX / CAT5 CONNECTORS



RUGGED DURABILITY



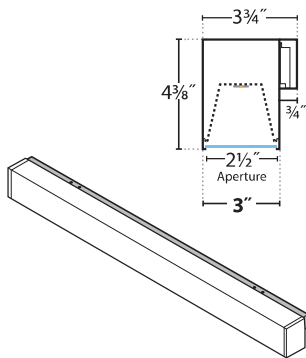


Why Channels?

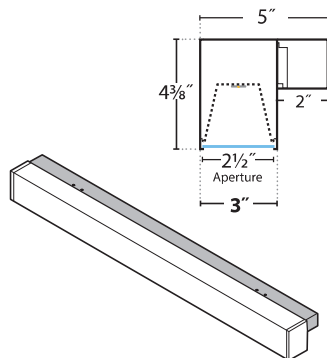
Channels provide maximum flexibility in mounting points on the ceiling/wall (drilled in the field into structure).

2 mounting points per channel required, all channels are the length of the fixture. .75" Channel accommodates Wet SOOW cord (8 foot, 6 conductor cord), 2" Channel accommodates Iquittite Flex with sealed connectors (6' long 6' conductor cord).

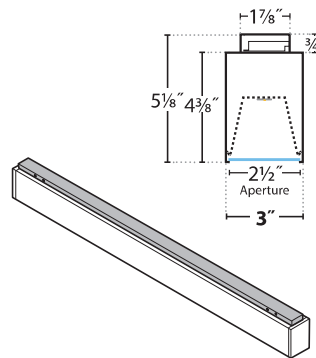
WMC — WALL



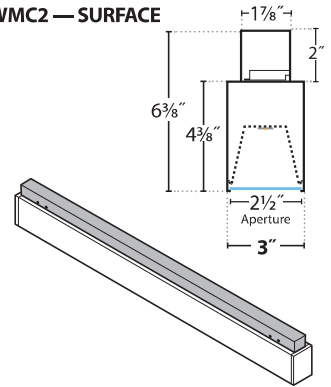
WMC2 — WALL



WMC — SURFACE



WMC2 — SURFACE

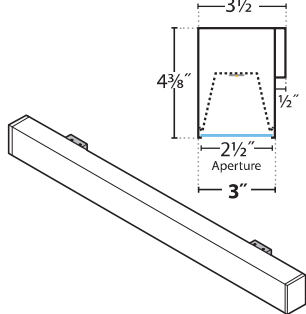


Why Brackets?

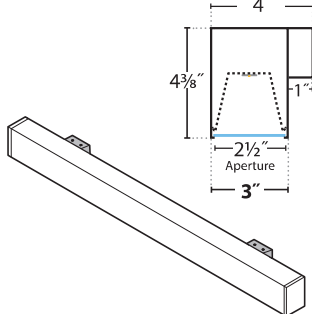
Clean look. Two options.

1. Installed at our standard dimensions (see page 8).
2. COS (Custom on-center spacing) — Provide dimensions and our factory will install bracket cleats at provided dimensions.

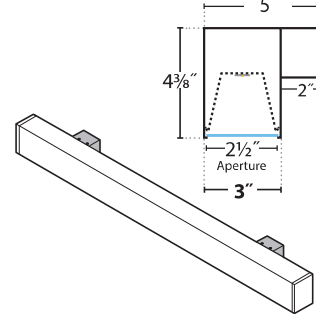
WMU — WALL



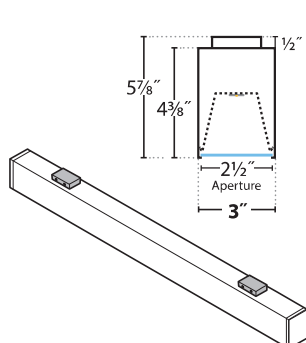
WMU1 — WALL



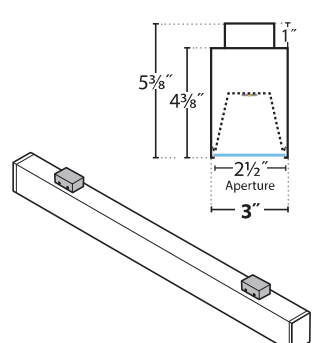
WMU2 — WALL



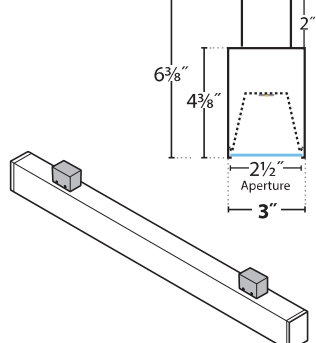
WMU — SURFACE



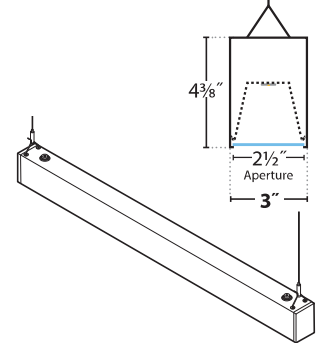
WMU1 — SURFACE



WMU2 — SURFACE



CA — CABLE MOUNT

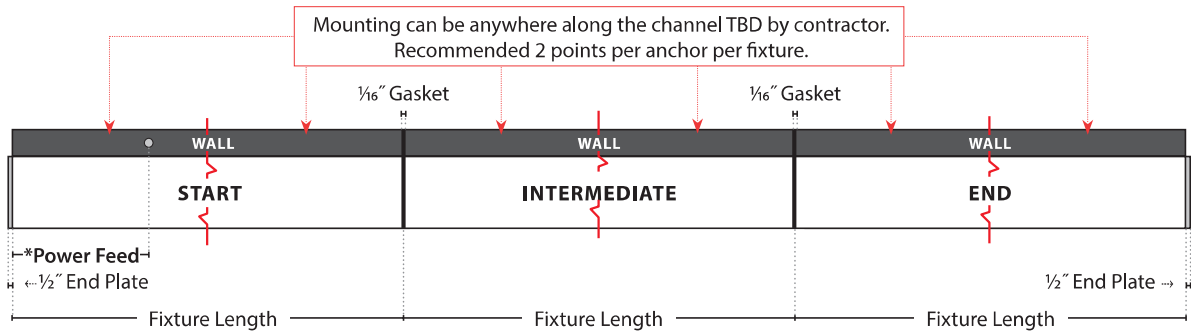


See page 9 for mounting dimensions.

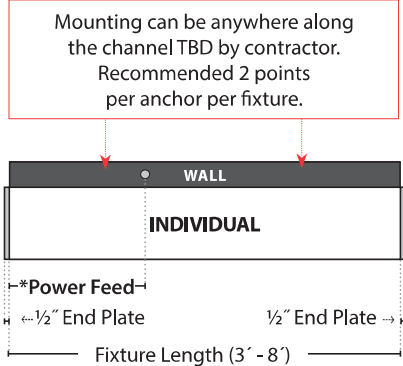
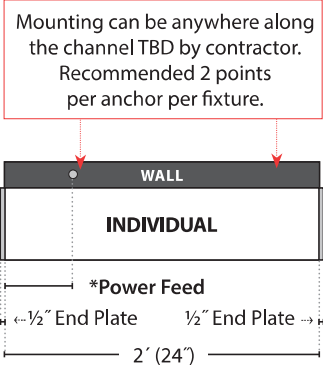
WMC/WMC2 (CHANNELS): WALL — MOUNTING

NOTE: 2' ROW FIXTURES NOT AVAILABLE

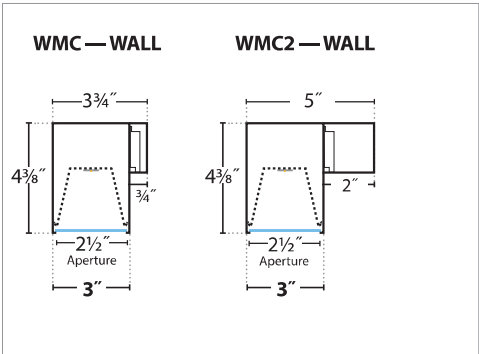
 POWER FEED



INDIVIDUAL (2'):



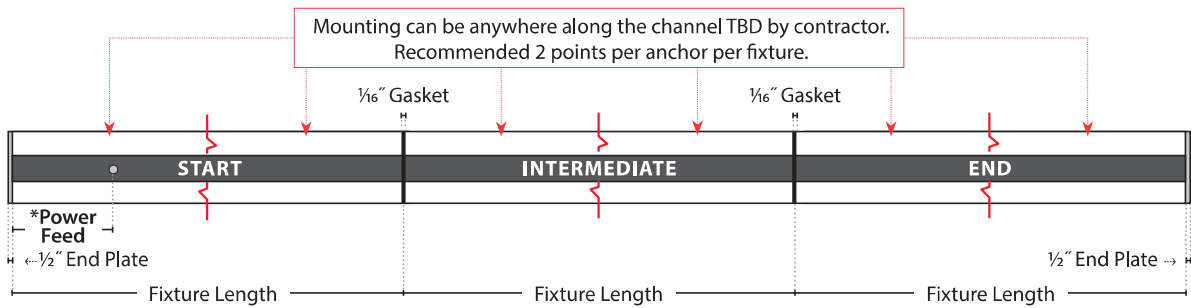
	FIXTURE LENGTHS	
	*Power Feed	All
2'	4"	24"
3'	10"	36"
4'	10"	48"
5'	10"	60"
6'	36"	72"
7'	42"	84"
8'	48"	96"



WMC/WMC2 (CHANNELS): SURFACE — MOUNTING

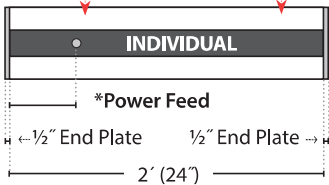
NOTE: 2' ROW FIXTURES NOT AVAILABLE

 POWER FEED

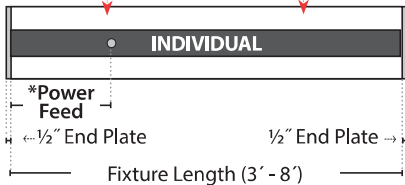


INDIVIDUAL (2'):

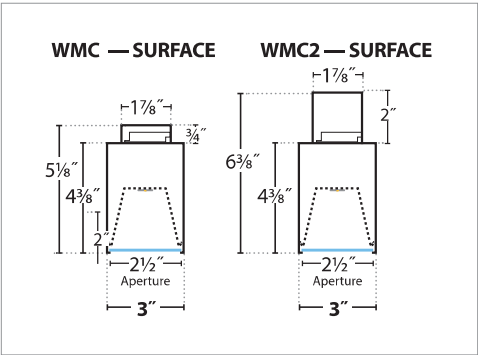
Mounting can be anywhere along the channel TBD by contractor.
Recommended 2 points per anchor per fixture.



Mounting can be anywhere along the channel TBD by contractor.
Recommended 2 points per anchor per fixture.

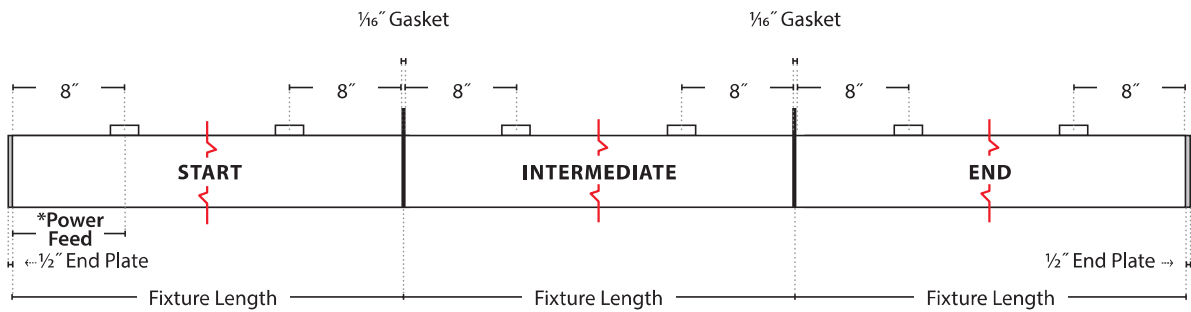


	FIXTURE LENGTHS	
	*Power Feed	All
2'	4"	24"
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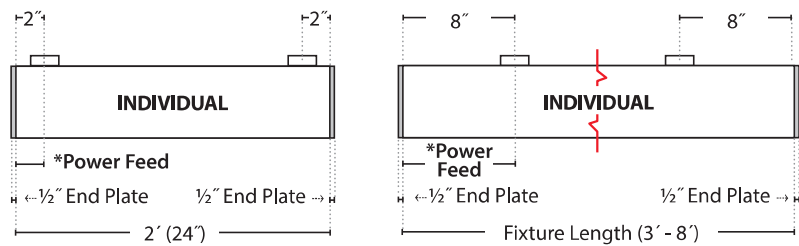


WMU/WMU1/WMU2 (BRACKETS): WALL — MOUNTING

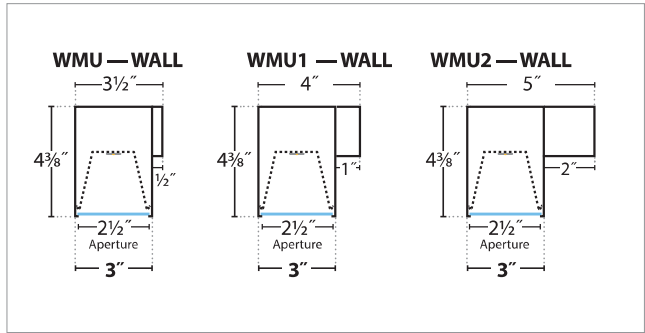
NOTE: 2' ROW FIXTURES NOT AVAILABLE



INDIVIDUAL (2'):



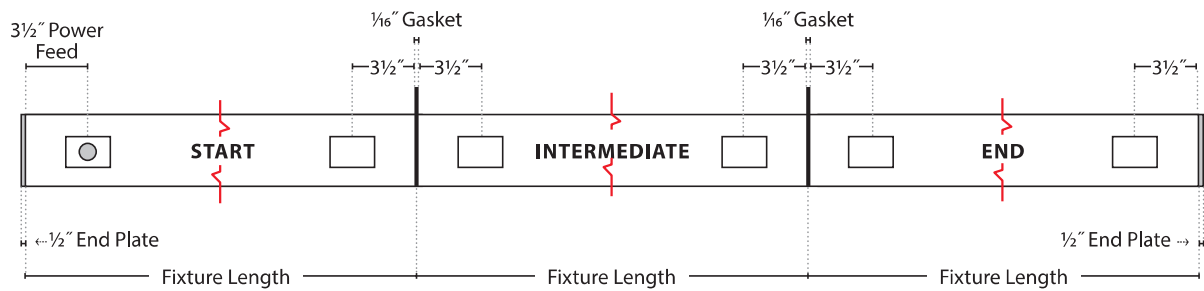
	FIXTURE LENGTHS		MOUNTING LOCATIONS		
	*Power Feed	All	Start / Intermediate / End	Individual	COS (Custom On-Center Spacing)
2'	2"	24"	—	20"	Customer to provide on-center mounting dimensions, PRU will pre-drill and mount Brackets
3'	8"	36"	20"	20"	
4'	8"	48"	32"	32"	
5'	8"	60"	44"	44"	
6'	8"	72"	56"	56"	
7'	8"	84"	68"	68"	
8'	8"	96"	80"	80"	



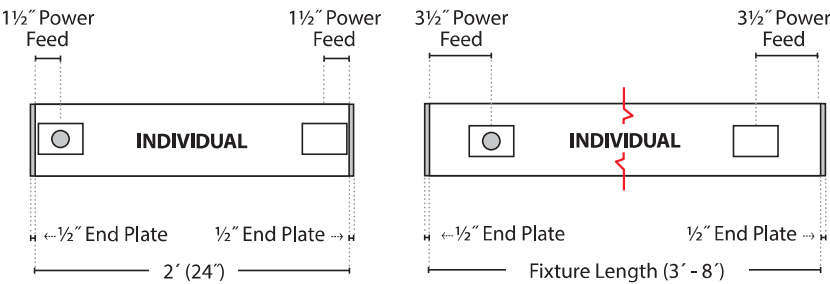
WMU/WMU1/WMU2 (BRACKETS): SURFACE — MOUNTING

NOTE: 2' ROW FIXTURES NOT AVAILABLE

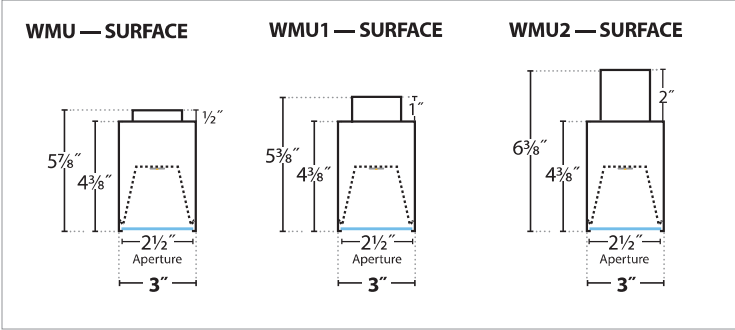
 POWER FEED



INDIVIDUAL (2'):



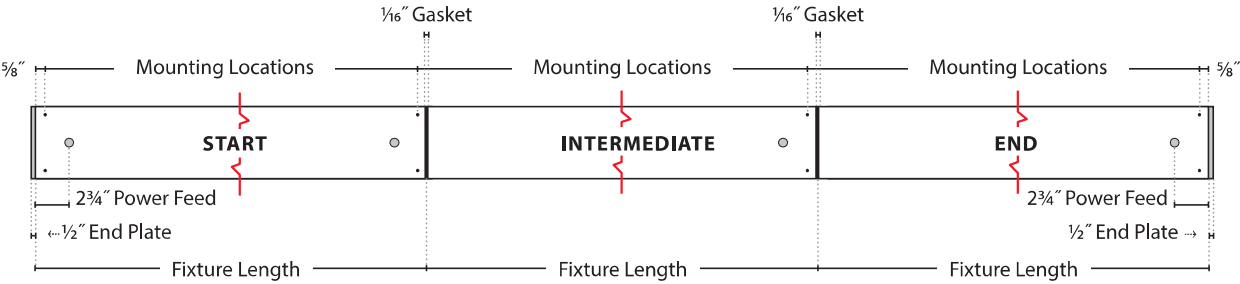
FIXTURE LENGTHS		MOUNTING LOCATIONS		
	All	Start / Intermediate / End	Individual	COS (Custom On-Center Spacing)
2'	24"	—	21"	Customer to provide on-center mounting dimensions, PRU will pre-drill and mount Brackets
3'	36"	29"	29"	
4'	48"	41"	41"	
5'	60"	53"	53"	
6'	72"	65"	65"	
7'	84"	77"	77"	
8'	96"	89"	89"	



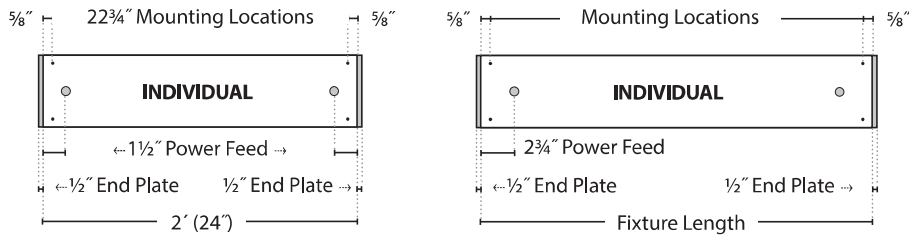
CABLE (CA) — MOUNTING

NOTE: 2' ROW FIXTURES NOT AVAILABLE

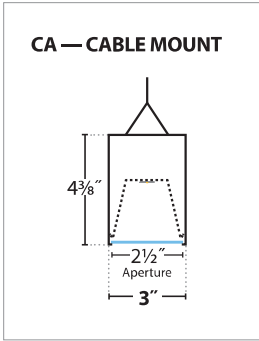
 POWER FEED



INDIVIDUAL (2')



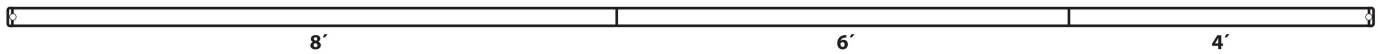
	FIXTURE LENGTHS	MOUNTING LOCATIONS		
	All	Start	Intermediate / End	Individual
2'	24"	—	—	22 3/4"
3'	36"	34 3/4"	36 1/16"	34 3/4"
4'	48"	46 3/4"	48 1/16"	46 3/4"
5'	60"	58 3/4"	60 1/16"	58 3/4"
6'	72"	70 3/4"	72 1/16"	70 3/4"
7'	84"	82 3/4"	84 1/16"	82 3/4"
8'	96"	94 3/4"	96 1/16"	94 3/4"



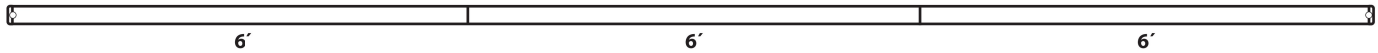


ROW BUILDER

18' STANDARD ROW LENGTH:



18' SYMMETRIC ROW LENGTH (SRL):



STANDARD

ROW LENGTH		
9'	5+4	5FT STR + 4FT END
10'	6+4	6FT STR + 4FT END
11'	7+4	7FT STR + 4FT END
12'	8+4	8FT STR + 4FT END
13'	8+5	8FT STR + 5FT END
14'	8+6	8FT STR + 6FT END
15'	8+7	8FT STR + 7FT END
16'	8+8	8FT STR + 8FT END
17'	8+5+4	8FT STR + 5FT INT + 4FT END
18'	8+6+4	8FT STR + 6FT INT + 4FT END
19'	8+7+4	8FT STR + 7FT INT + 4FT END
20'	8+8+4	8FT STR + 8FT INT + 4FT END
21'	8+8+5	8FT STR + 8FT INT + 5FT END
22'	8+8+6	8FT STR + 8FT INT + 6FT END
23'	8+8+7	8FT STR + 8FT INT + 7FT END
24'	8+8+8	8FT STR + 8FT INT + 8FT END
25'	8+8+5+4	8FT STR + 8FT INT + 5FT INT + 4FT END
26'	8+8+6+4	8FT STR + 8FT INT + 6FT INT + 4FT END
27'	8+8+7+4	8FT STR + 8FT INT + 7FT INT + 4FT END
28'	8+8+8+4	8FT STR + (2) 8FT INT + 4FT END
29'	8+8+8+5	8FT STR + (2) 8FT INT + 5FT END
30'	8+8+8+6	8FT STR + (2) 8FT INT + 6FT END
31'	8+8+8+7	8FT STR + (2) 8FT INT + 7FT END
32'	8+8+8+8	8FT STR + (2) 8FT INT + 8FT END
33'	8+8+8+5+4	8FT STR + (2) 8FT INT + 5FT INT + 4FT END
34'	8+8+8+6+4	8FT STR + (2) 8FT INT + 6FT INT + 4FT END
35'	8+8+8+7+4	8FT STR + (2) 8FT INT + 7FT INT + 4FT END
36'	8+8+8+8+4	8FT STR + (3) 8FT INT + 4FT END
37'	8+8+8+8+5	8FT STR + (3) 8FT INT + 5FT END
38'	8+8+8+8+6	8FT STR + (3) 8FT INT + 6FT END
39'	8+8+8+8+7	8FT STR + (3) 8FT INT + 7FT END
40'	8+8+8+8+8	8FT STR + (3) 8FT INT + 8FT END
41'	8+8+8+8+5+4	8FT STR + (3) 8FT INT + 5FT INT + 4FT END
42'	8+8+8+8+6+4	8FT STR + (3) 8FT INT + 6FT INT + 4FT END
43'	8+8+8+8+7+4	8FT STR + (3) 8FT INT + 7FT INT + 4FT END
44'	8+8+8+8+8+4	8FT STR + (4) 8FT INT + 4FT END
45'	8+8+8+8+8+5	8FT STR + (4) 8FT INT + 5FT END
46'	8+8+8+8+8+6	8FT STR + (4) 8FT INT + 6FT END
47'	8+8+8+8+8+7	8FT STR + (4) 8FT INT + 7FT END
48'	8+8+8+8+8+8	8FT STR + (4) 8FT INT + 8FT END
49'	8+8+8+8+8+5+4	8FT STR + (4) 8FT INT + 5FT INT + 4FT END
50'	8+8+8+8+8+6+4	8FT STR + (4) 8FT INT + 6FT INT + 4FT END

SYMMETRICAL

ROW LENGTH		
9'	3+3+3	3FT STR + 3FT INT + 3FT END
10'	5+5	5FT STR + 5FT END
11'	4+3+4	4FT STR + 3FT INT + 4FT END
12'	6+6	6FT STR + 6FT END
13'	4+5+4	4FT STR + 5FT INT + 4FT END
14'	7+7	7FT STR + 7FT END
15'	5+5+5	5FT STR + 5FT INT + 5FT END
16'	8+8	8FT STR + 8FT END
17'	6+5+6	6FT STR + 5FT INT + 6FT END
18'	6+6+6	6FT STR + 6FT INT + 6FT END
19'	6+7+6	6FT STR + 7FT INT + 6FT END
20'	8+4+8	8FT STR + 4FT INT + 8FT END
21'	8+5+8	8FT STR + 5FT INT + 8FT END
22'	8+6+8	8FT STR + 6FT INT + 8FT END
23'	8+7+8	8FT STR + 7FT INT + 8FT END
24'	8+8+8	8FT STR + 8FT INT + 8FT END
25'	6+4+5+4+6	6FT STR + 4FT INT + 5FT INT + 4FT INT + 6FT END
26'	8+5+5+8	8FT STR + (2) 5FT INT + 8FT END
27'	6+5+5+5+6	6FT STR + (3) 5FT INT + 6FT END
28'	8+6+6+8	8FT STR + (2) 6FT INT + 8FT END
29'	8+4+5+4+8	8FT STR + 4FT INT + 5FT INT + 4FT INT + 8FT END
30'	8+7+7+8	8FT STR + (2) 7FT INT + 8FT END
31'	8+5+5+5+8	8FT STR + (3) 5FT INT + 8FT END
32'	8+8+8+8	8FT STR + (2) 8FT INT + 8FT END
33'	8+6+5+6+8	8FT STR + 6FT INT + 5FT INT + 6FT INT + 8FT END
34'	8+6+6+6+8	8FT STR + 6FT INT + 6FT INT + 6FT INT + 8FT END
35'	8+6+7+6+8	8FT STR + 6FT INT + 7FT INT + 6FT INT + 8FT END
36'	8+8+4+8+8	8FT STR + 8FT INT + 4FT INT + 8FT INT + 8FT END
37'	8+8+5+8+8	8FT STR + 8FT INT + 5FT INT + 8FT INT + 8FT END
38'	8+8+6+8+8	8FT STR + 8FT INT + 6FT INT + 8FT INT + 8FT END
39'	8+8+7+8+8	8FT STR + 8FT INT + 7FT INT + 8FT INT + 8FT END
40'	8+8+8+8+8	8FT STR + (3) 8FT INT + 8FT END
41'	8+6+4+5+4+6+8	8FT STR + 6FT INT + 4FT INT + 5FT INT + 4FT INT + 6FT INT + 8FT END
42'	8+8+5+5+8+8	8FT STR + 8FT INT + (2) 5FT INT + 8FT INT + 8FT END
43'	8+6+5+5+5+6+8	8FT STR + 6FT INT + (3) 5FT INT + 6FT INT + 8FT END
44'	8+8+6+6+8+8	8FT STR + 8FT INT + (2) 6FT INT + 8FT INT + 8FT END
45'	8+8+4+5+4+8+8	8FT STR + 8FT INT + 4FT INT + 5FT INT + 4FT INT + 8FT INT + 8FT END
46'	8+8+7+7+8+8	8FT STR + 8FT INT + (2) 7FT INT + 8FT INT + 8FT END
47'	8+8+5+5+5+8+8	8FT STR + 8FT INT + (3) 5FT INT + 8FT INT + 8FT END
48'	8+8+8+8+8+8	8FT STR + (4) 8FT INT + 8FT END
49'	8+8+6+5+6+8+8	8FT STR + 8FT INT + 6FT INT + 5FT INT + 6FT INT + 8FT INT + 8FT END
50'	8+8+6+6+6+8+8	8FT STR + 8FT INT + (3) 6FT INT + 8FT INT + 8FT END

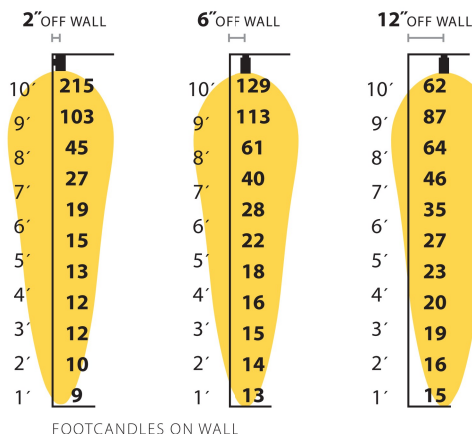


DISTRIBUTIONS

ALL FIXTURES AT 50 OUTPUT, 10' MOUNTING HEIGHT

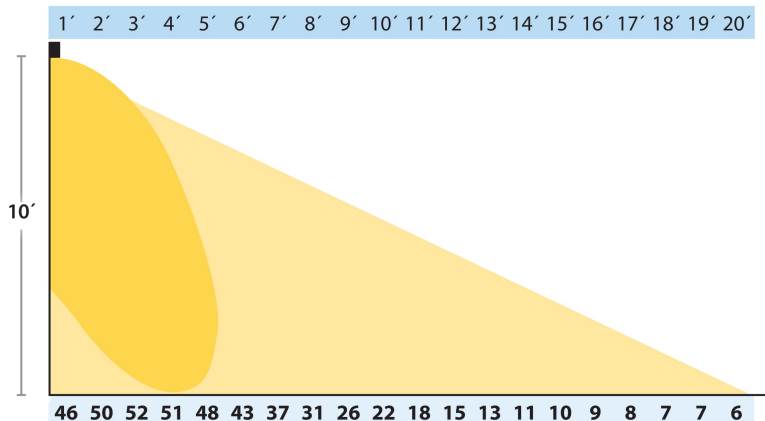
Wide Wall Graze (WWG)

Wall grazing performance often better just off a wall.



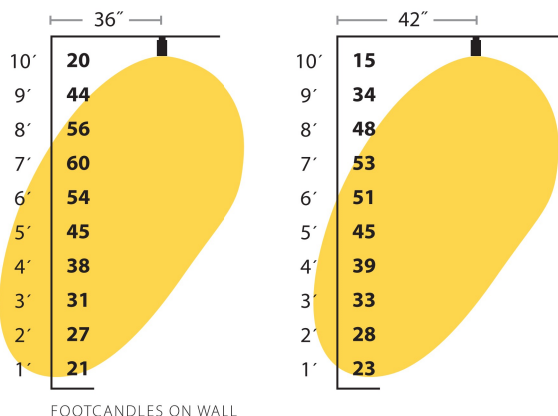
Perimeter Fill (PFL)

Wash a space in light from one side of the perimeter.

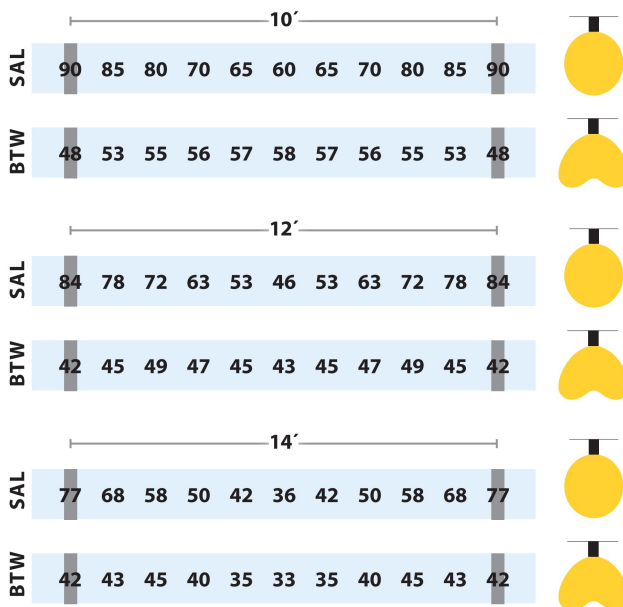


Focal Glow Wall Wash (WWG)

Pique interest by giving works of art 'pop' — more light at eye level.



Satin (SAL) Vs. Batwing (BTW)





Lumen Outputs:

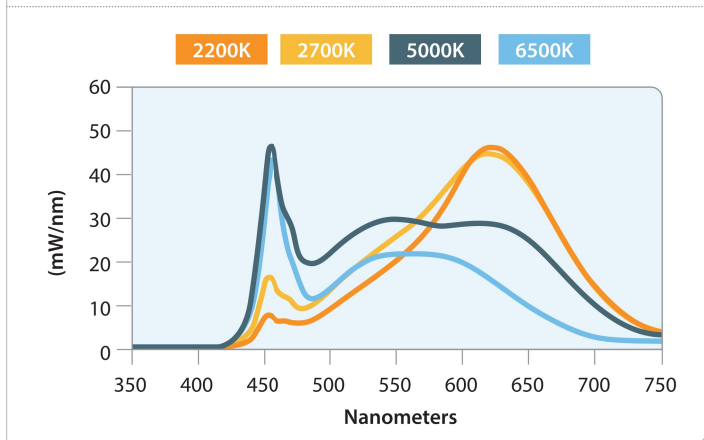
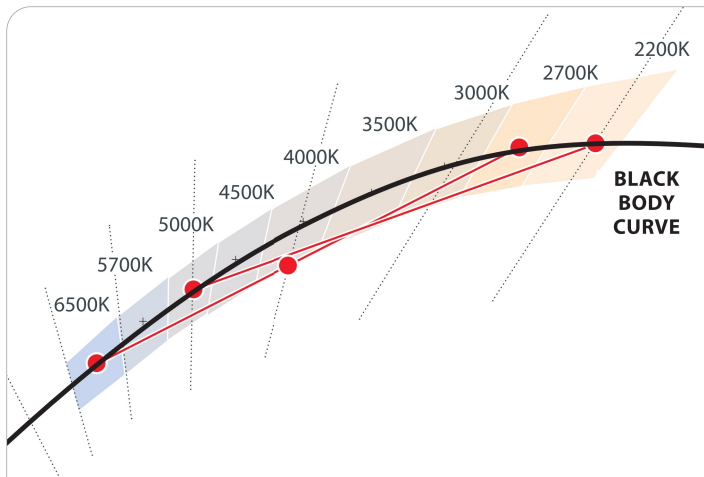
		BLUHUE, TUHUE, TUHUE2, AMBERHUE			
DIRECT:		LO	MO	SO	HO*
	SAL Lm/Ft	200	375	500	715
	W/Ft	3.8	5.6	7.8	10.5

* TU2 + AMB NOT AVAILABLE HO / CHROMAHUE ONLY AVAILABLE ON HO



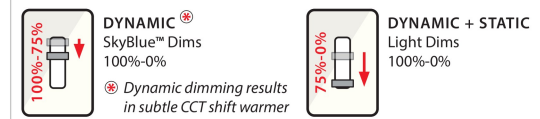
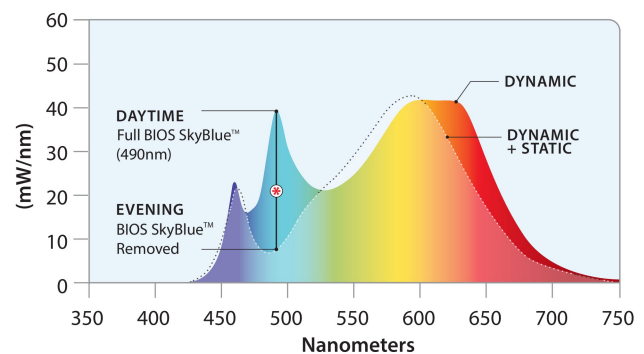
Prudential Lighting's **TuHue** Tunable White provides warm to cool white light simulating sunlight. Controlling the light source color temperature offers differing design aesthetics with potential benefits via circadian rhythm support. Blue light for alertness while warm light conveys tranquility.

- 2700K-6500K or 2200K-5000K.
- Adjust the color temperate and brightness separately.
- Simulates warm to cool to warm transition of sunlight.



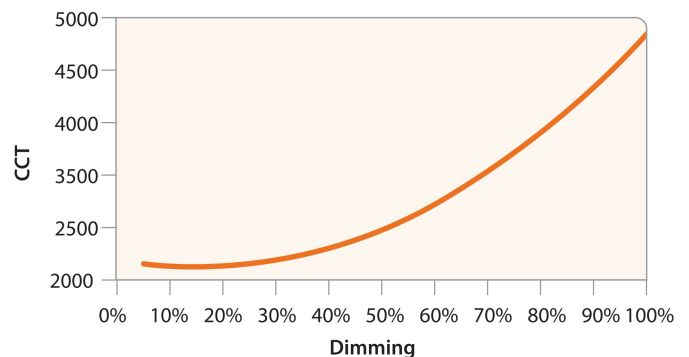
BluHue BIOS SkyBlue™ circadian LED lighting brings the benefits of blue skies inside. Newly discovered blue-sky receptors in our eyes drive improved daytime alertness, mood, brain function, and strengthens circadian rhythms leading to overall better health and well-being.

- Circadian rhythms play an integral role in physical and mental health.
- BluHue BIOS SkyBlue pinpoints peak 490nm sensitivity to provide the most benefit from an electric light source.
- At night, simply dim the lights to remove SkyBlue™ wavelengths (specify "Blu_D" to dim Cyan SkyBlue spike separately [night mode]).



AmberHue is Prudential Lighting's Warm Dim offering. It transitions bright white light to warm amber light as brightness is dimmed, reflecting sunlight's transitioning from intense blue midday light to a dimmed golden hue near sunset, also reminiscent of soft glowing candlelight.

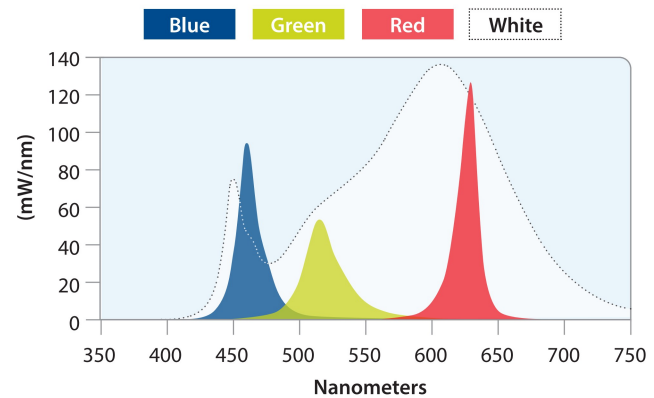
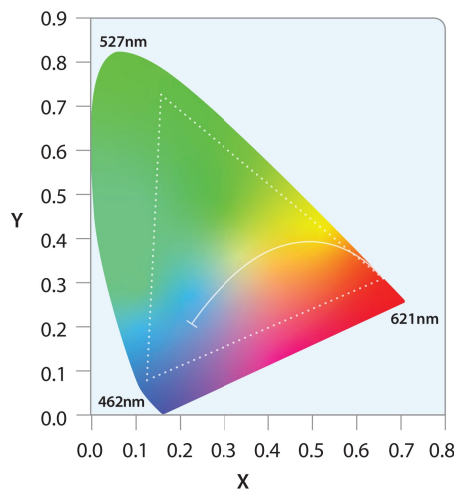
- Warm Dim 2200K-5000K.
- Color temperature warms as the luminaire is dimmed.
- Calm, relaxing mood communicated – hospitality, residential feel.



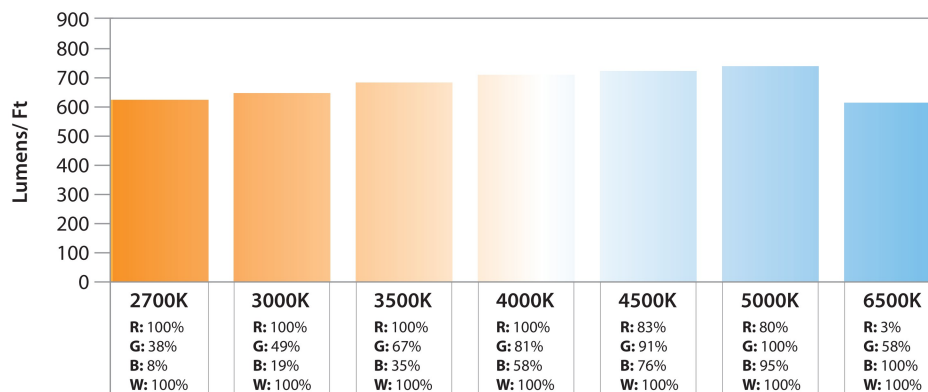


ChromaHue offers a vibrant full gamut of colors for seemingly endless architectural interior applications. Rich color-changing light offers tremendous design flexibility while white light can be achieved with the White chip, or mixing of Red, Green and Blue light. No longer just for the entertainment industry, ChromaHue can be intermixed on BionicPro luminaires for mood-creating indirect illumination combined with static white direct light.

- RGBW LED array (Red, Green, Blue, White) with full spectrum color and white light on the black body curve.
- Four-channel control, DMX drivers.
- Any color point within the triangle can be reached by setting the proper output levels for each individual red, green, blue and white channels.
- Standard DMX is one zone with one XLR drop at start, one XLR return at the end.



CONSTRUCTED WHITES





LM79 & TM30 DATA:

	MEASURED CCT	MEASURED LUMENS	CRI	R9	DuV	SPD	TM30 — COLOR VECTOR	TM30 — COLOR DISTORTION
LED27	2680	80%	93	58	0.001		 89 Rf	 97 Rg
LED3	3042	95%	82	6	0.001		 81 Rf	 92 Rg
LED3-90	3016	85%	93	61	0.000		 88 Rf	 96 Rg
LED35	3482	100%	82	3	0.002		 81 Rf	 92 Rg
LED35-90	3417	85%	93	67	0.000		 88 Rf	 96 Rg
LED4	3952	102%	82	4	0.003		 81 Rf	 92 Rg
LED4-90	3882	85%	92	67	0.003		 87 Rf	 96 Rg
LED5-90	4889	85%	94	84	0.002		 86 Rf	 95 Rg



WDGE2 LED

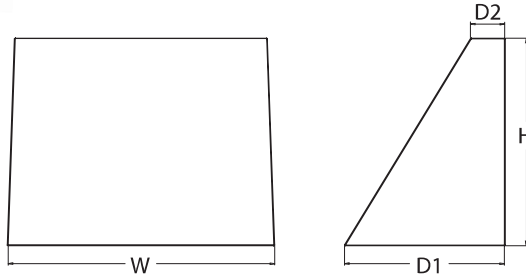
Architectural Wall Sconce

Precision Refractive Optic



Specifications

Depth (D1):	7"
Depth (D2):	1.5"
Height:	9"
Width:	11.5"
Weight: (without options)	13.5 lbs



Catalog
Number

Notes

Type

Hit the Tab key or mouse over the page to see all interactive elements.

Introduction

The WDGE LED family is designed to meet specifier's every wall-mounted lighting need in a widely accepted shape that blends with any architecture. The clean rectilinear design comes in four sizes with lumen packages ranging from 1,200 to 25,000 lumens, providing a true site-wide solution. Embedded with nLight® AIR wireless controls, the WDGE family provides additional energy savings and code compliance.

WDGE2 with industry leading precision refractive optics provides great uniform distribution and optical control. When combined with multiple integrated emergency battery backup options, including an 18W cold temperature option, the WDGE2 becomes the ideal wall-mounted lighting solution for pedestrian scale applications in any environment.



Items marked by a shaded background qualify for the Design Select program and ship in 15 days or less. To learn more about Design Select, visit www.acuitybrands.com/designselect.
*See ordering tree for details

WDGE LED Family Overview

Luminaire	Optics	Standard EM, 0°C	Cold EM, -20°C	Sensor	Approximate Lumens (4000K, 80CRI)						
					P0	P1	P2	P3	P4	P5	P6
WDGE1 LED	Visual Comfort	4W		--	750	1,200	2,000	--	--	--	--
WDGE2 LED	Visual Comfort	10W	18W	Standalone / nLight	--	1,200	2,000	3,000	4,500	6,000	--
WDGE2 LED	Precision Refractive	10W	18W	Standalone / nLight	700	1,200	2,000	3,200	4,200	--	--
WDGE3 LED	Precision Refractive	15W	18W	Standalone / nLight	--	7,500	8,500	10,000	12,000	--	--
WDGE4 LED	Precision Refractive			Standalone / nLight	--	12,000	16,000	18,000	20,000	22,000	25,000

Ordering Information

EXAMPLE: WDGE2 LED P3 40K 80CRI T3M MVOLT SRM DDBXD

Series	Package	Color Temperature		CRI	Distribution	Voltage	Mounting	
WDGE2 LED	P0 ¹	27K	2700K	40K 4000K	T1S Type I Short	MVOLT	Shipped included	Shipped separately
	P1 ²	30K	3000K	50K 5000K	T2M Type II Medium	347 ⁵	SRM Surface mounting bracket	AWS 3/8inch Architectural wall spacer ⁷
	P2 ²	35K	3500K	AMB ³ Amber	T3M Type III Medium	480 ⁵	ICW Indirect Canopy/Ceiling Washer bracket (dry/damp locations only) ⁶	PBBW Surface-mounted back box (top, left, right conduit entry). Use when there is no junction box available ⁹
	P3 ²				T4M Type IV Medium			
	P4 ²				TFTM Forward Throw Medium			

R

Options			Finish	
E10WH	Emergency battery backup, Certified in CA Title 20 MAEDBS (10W, 5°C min)	Standalone Sensors/Controls	DDBXD	Dark bronze
E20WC	Emergency battery backup, Certified in CA Title 20 MAEDBS (18W, -20°C min)	PIR Bi-level (100/35%) motion sensor for 8-15' mounting heights. Intended for use on switched circuits with external dusk to dawn switching.	DBLXD	Black
PE	Photocell, Button Type ⁸	PIRH Bi-level (100/35%) motion sensor for 15-30' mounting heights. Intended for use on switched circuits with external dusk to dawn switching	DNAXD	Natural aluminum
DMG	0-10V dimming wires pulled outside fixture (for use with an external control, ordered separately) ⁹	PIR1FC3V Bi-level (100/35%) motion sensor for 8-15' mounting heights with photocell pre-programmed for dusk to dawn operation.	DWHXD	White
BCE	Bottom conduit entry for back box (PBBW). Total of 4 entry points.	PIRH1FC3V Bi-level (100/35%) motion sensor for 15-30' mounting heights with photocell pre-programmed for dusk to dawn operation.	DSSXD	Sandstone
CCE	Coastal Construction ⁷	Networked Sensors/Controls	DDBTXD	Textured dark bronze
		NLTAIR2 PIR Embedded wireless controls by nLight with Passive Infrared Occ sensor and on/off photocell for 8-15' mounting heights.	DBLBXD	Textured black
		NLTAIR2 PIRH Embedded wireless controls by nLight with Passive Infrared Occ sensor and on/off photocell for 15-30' mounting heights.	DNATXD	Textured natural aluminum
		NLTAIREM2 PIR Embedded wireless controls by nLight with UL924 listed emergency operation, Passive Infrared Occ sensor and on/off photocell for 8-15' mounting heights	DWHGXD	Textured white
		NLTAIREM2 PIRH Embedded wireless controls by nLight with UL924 listed emergency operation, Passive Infrared Occ sensor and on/off photocell for 15-30' mounting heights.	DSSTXD	Textured sandstone

See page 4 for out of box functionality



COMMERCIAL OUTDOOR

1 Acuity Way • Decatur, GA 30035 • Phone: 1-800-705-SERV (7378) • www.lithonia.com
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WDGE2 LED
Rev. 05/07/26

Accessories

Ordered and shipped separately.

WDGEAWS DDBXD U	WDGE 3/8inch Architectural Wall Spacer (specify finish)
WDGE2PBBW DDBXD U	WDGE2 surface-mounted back box (specify finish)

NOTES

- 1 P0 option not available with sensors/controls.
- 2 P1-P4 not available with AMB and LW.
- 3 AMB and LW always go together.
- 4 70CRI only available with T3M and T4M.
- 5 347V and 480V not available with E10WH or E20WC.
- 6 Not qualified for DLC. Not available with emergency battery backup or sensors/controls.
- 7 For PBBW and AWS with CCE option, require an RFA.
- 8 PE not available in 480V or with sensors/controls.
- 9 DMG option not available with sensors/controls.

Performance Data

Lumen Output

Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of the configurations shown, within the tolerances allowed by Lighting Facts. Contact factory for performance data on any configurations not shown here.

Performance Package	System Watts	Dist. Type	27K (2700K, 80 CRI)					30K (3000K, 80 CRI)					40K (4000K, 80 CRI)					50K (5000K, 80 CRI)					Amber (Limited Wavelength)				
			Lumens	LPW	B	U	G	Lumens	LPW	B	U	G	Lumens	LPW	B	U	G	Lumens	LPW	B	U	G	Lumens	LPW	B	U	G
P0	7W	T1S	636	92	0	0	0	666	97	0	0	0	699	101	0	0	1	691	100	0	0	1	712	47	0	0	1
		T2M	662	96	0	0	0	693	101	0	0	0	728	106	0	0	0	719	104	0	0	0	741	48	0	0	0
		T3M	662	96	0	0	0	693	101	0	0	0	728	106	0	0	0	719	104	0	0	0	741	48	0	0	0
		T4M	648	94	0	0	0	679	98	0	0	0	712	103	0	0	0	704	102	0	0	0	726	47	0	0	0
		TFTM	652	95	0	0	0	683	99	0	0	0	717	104	0	0	0	708	103	0	0	0	730	48	0	0	1
P1	11W	T1S	1,105	99	0	0	1	1,157	104	0	0	1	1,215	109	0	0	1	1,200	107	0	0	1					
		T2M	1,150	103	0	0	1	1,204	108	0	0	1	1,264	113	0	0	1	1,249	112	0	0	1					
		T3M	1,150	103	0	0	1	1,205	108	0	0	1	1,265	113	0	0	1	1,250	112	0	0	1					
		T4M	1,126	101	0	0	1	1,179	106	0	0	1	1,238	111	0	0	1	1,223	110	0	0	1					
		TFTM	1,133	101	0	0	1	1,186	106	0	0	1	1,245	112	0	0	1	1,230	110	0	0	1					
P2	19W	T1S	1,801	95	1	0	1	1,886	99	1	0	1	1,981	104	1	0	1	1,957	103	1	0	1					
		T2M	1,875	99	1	0	1	1,963	103	1	0	1	2,061	109	1	0	1	2,037	107	1	0	1					
		T3M	1,876	99	1	0	1	1,964	103	1	0	1	2,062	109	1	0	1	2,038	107	1	0	1					
		T4M	1,836	97	1	0	1	1,922	101	1	0	1	2,018	106	1	0	1	1,994	105	1	0	1					
		TFTM	1,847	97	1	0	1	1,934	102	1	0	1	2,030	107	1	0	1	2,006	106	1	0	1					
P3	32W	T1S	2,809	87	1	0	1	2,942	92	1	0	1	3,089	96	1	0	1	3,052	95	1	0	1					
		T2M	2,924	91	1	0	1	3,062	95	1	0	1	3,215	100	1	0	1	3,176	99	1	0	1					
		T3M	2,925	91	1	0	1	3,063	95	1	0	1	3,216	100	1	0	1	3,177	99	1	0	1					
		T4M	2,862	89	1	0	1	2,997	93	1	0	1	3,147	98	1	0	1	3,110	97	1	0	1					
		TFTM	2,880	90	1	0	1	3,015	94	1	0	1	3,166	99	1	0	1	3,128	97	1	0	1					
P4	47W	T1S	3,729	80	1	0	1	3,904	84	1	0	1	4,099	88	1	0	1	4,051	87	1	0	1					
		T2M	3,881	83	1	0	1	4,063	87	1	0	1	4,267	91	1	0	1	4,216	90	1	0	1					
		T3M	3,882	83	1	0	1	4,065	87	1	0	1	4,268	91	1	0	1	4,217	90	1	0	1					
		T4M	3,799	81	1	0	1	3,978	85	1	0	1	4,177	90	1	0	1	4,127	88	1	0	1					
		TFTM	3,822	82	1	0	1	4,002	86	1	0	1	4,202	90	1	0	1	4,152	89	1	0	1					

Performance Package	System Watts	Dist. Type	27K (2700K, 70 CRI)					30K (3000K, 70 CRI)					40K (4000K, 70 CRI)					50K (5000K, 70 CRI)				
			Lumens	LPW	B	U	G	Lumens	LPW	B	U	G	Lumens	LPW	B	U	G	Lumens	LPW	B	U	G
P0	7W	T3M	737	107	0	0	0	763	111	0	0	0	822	119	0	0	0	832	121	0	0	1
		T4M	721	105	0	0	0	746	108	0	0	0	804	117	0	0	1	814	118	0	0	1
P1	11W	T3M	1,280	115	0	0	1	1,325	119	0	0	1	1,427	128	1	0	1	1,445	129	1	0	1
		T4M	1,253	112	0	0	1	1,297	116	0	0	1	1,397	125	0	0	1	1,415	127	0	0	1
P2	19W	T3M	2,087	110	1	0	1	2,160	114	1	0	1	2,327	123	1	0	1	2,357	124	1	0	1
		T4M	2,042	108	1	0	1	2,114	111	1	0	1	2,278	120	1	0	1	2,306	121	1	0	1
P3	32W	T3M	3,254	101	1	0	1	3,369	105	1	0	1	3,629	113	1	0	1	3,675	114	1	0	1
		T4M	3,185	99	1	0	1	3,297	103	1	0	1	3,552	111	1	0	1	3,597	112	1	0	1
P4	47W	T3M	4,319	93	1	0	1	4,471	96	1	0	1	4,817	103	1	0	2	4,878	105	1	0	2
		T4M	4,227	91	1	0	1	4,376	94	1	0	2	4,714	101	1	0	2	4,774	102	1	0	2

Electrical Load

Performance Package	System Watts	Current (A)					
		120Vac	208Vac	240Vac	277Vac	347Vac	480Vac
P0	7.0	0.061	0.042	0.04	0.039	--	--
	9.0	--	--	--	--	0.031	0.021
P1	11.0	0.100	0.064	0.059	0.054	--	--
	14.1	--	--	--	--	0.046	0.031
P2	19.0	0.168	0.106	0.095	0.083	--	--
	22.8	--	--	--	--	0.067	0.050
P3	32.0	0.284	0.163	0.144	0.131	--	--
	37.1	--	--	--	--	0.107	0.079
P4	47.0	0.412	0.234	0.207	0.185	--	--
	53.5	--	--	--	--	0.153	0.112

Lumen Output in Emergency Mode
(4000K, 80 CRI, T3M)

Option	Lumens
E10WH	1,358
E20WC	2,230

Lumen Ambient Temperature (LAT) Multipliers

Use these factors to determine relative lumen output for average ambient temperatures from 0-40°C (32-104°F).

Ambient		Lumen Multiplier
0°C	32°F	1.03
10°C	50°F	1.02
20°C	68°F	1.01
25°C	77°F	1.00
30°C	86°F	0.99
40°C	104°F	0.97

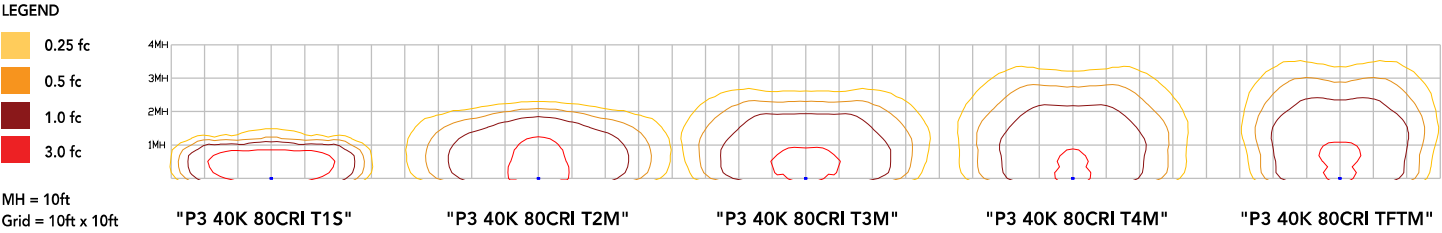
Projected LED Lumen Maintenance

Data references the extrapolated performance projections for the platforms noted in a 25°C ambient, based on 10,000 hours of LED testing (tested per IESNA LM-80-08 and projected per IESNA TM-21-11). To calculate LLF, use the lumen maintenance factor that corresponds to the desired number of operating hours below. For other lumen maintenance values, contact factory.

Operating Hours	0	25,000	50,000	100,000
Lumen Maintenance Factor	1.0	>0.96	>0.93	>0.87

Photometric Diagrams

To see complete photometric reports or download .ies files for this product, visit the Lithonia Lighting WDGE LED homepage. Tested in accordance with IESNA LM-79 and LM-80 standards.



Emergency Egress Options

Emergency Battery Backup

The emergency battery backup is integral to the luminaire — no external housing required! This design provides reliable emergency operation while maintaining the aesthetics of the product. All emergency battery backup configurations include an independent secondary driver with an integral relay to immediately detect loss of normal power and automatically energize the luminaire. The emergency battery will power the luminaire for a minimum duration of 90 minutes (maximum duration of three hours) from the time normal power is lost and maintain a minimum of 60% of the light output at the end of 90minutes. Applicable codes: NFPA 70/NEC – section 700.16, NFPA 101 Life Safety Code Section 7.9

Control / Sensor Options

Motion/Ambient Sensor (PIR, PIRH)

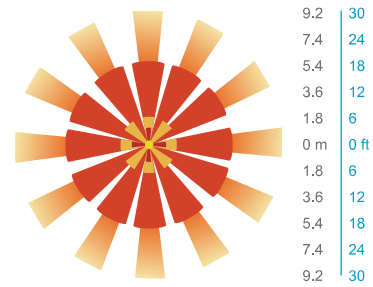
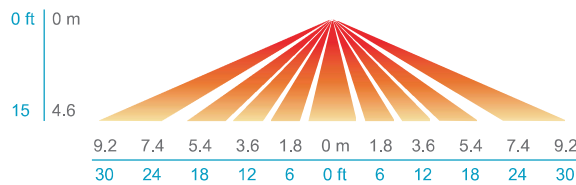
Motion/Ambient sensor (Sensor Switch MSOD) is integrated into the the luminaire. The sensor provides both Motion and Daylight based dimming of the luminaire. For motion detection, the sensor utilizes 100% Digital Passive Infrared (PIR) technology that is tuned for walking size motion while preventing false tripping from the environment. The integrated photocell enables additional energy savings during daytime periods when there is sufficient daylight. Optimize sensor coverage by either selecting PIR or PIRH option. PIR option comes with a sensor lens that is optimized to provide maximum coverage for mounting heights between 8-15ft, while PIRH is optimized for 15-40ft mounting height.

Networked Control (NLTAIR2)

nLight® AIR is a wireless lighting controls platform that allows for seamless integration of both indoor and outdoor luminaires. Five-tier security architecture, 900 MHz wireless communication and app (CLAIRITY™ Pro) based configurability combined together make nLight® AIR a secure, reliable and easy to use platform.

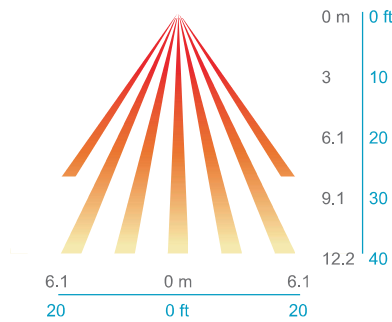
PIR

HIGH VIEW

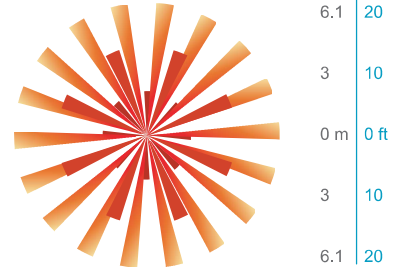


PIRH

SIDE VIEW



TOP VIEW



Option	Dim Level	High Level (when triggered)	Photocell Operation	Motion Time Delay	Ramp-down Time	Ramp-up Time
PIR or PIRH	Motion - 3V (37% of full output) Photocell - 0V (turned off)	10V (100% output)	Enabled @ 5fc	5 min	5 min	Motion - 3 sec Photocell - 45 sec
PIR1FC3V, PIRH1FC3V	Motion - 3V (37% of full output) Photocell - 0V (turned off)	10V (100% output)	Enabled @ 1fc	5 min	5 min	Motion - 3 sec Photocell - 45 sec
NLTAIR2 PIR, NLTAIR2 PIRH, NLTAIREM2 PIR, NLTAIREM2 PIRH (out of box)	Motion - 3V (37% of full output) Photocell - 0V (turned off)	10V (100% output)	Enabled @ 5fc	7.5 min	5 min	Motion - 3 sec Photocell - 45 sec

UL 924 Response – nLight AIR Devices with EM Option

- NLTAIREM2 devices will remain at their high-end trim and ignore wireless lighting control commands, unless a normal-power-sensed (NPS) broadcast is received at least every 8 seconds.
- Using the CLAIRITY+ mobile app, NLTAIREM2 devices must be associated with a group that includes a normal power sensing device to receive NPS broadcasts.
- The non-emergency devices, NLTAIR2 PIR and NLTAIR2 PIRH, with version 3.4 or later firmware can be used for normal power sensing.



Motion/Ambient Sensor

D = 7"

H = 9" (Standalone controls)

11" (nLight AIR controls, 2" antenna will be pointing down behind the sensor)

W = 11.5"



PBBW – Surface-Mounted Back Box

Use when there is no junction box available.

D = 1.75"

H = 9"

W = 11.5"



AWS – 3/8inch Architectural Wall Spacer

D = 0.38"

H = 4.4"

W = 7.5"

FEATURES & SPECIFICATIONS

INTENDED USE

Common architectural look, with clean rectilinear shape, of the WDGE LED was designed to blend with any type of construction, whether it be tilt-up, frame or brick. Applications include commercial offices, warehouses, hospitals, schools, malls, restaurants, and other commercial buildings.

CONSTRUCTION

The single-piece die-cast aluminum housing integrates secondary heat sinks to optimize thermal transfer from the internal light engine heat sinks and promote long life. The driver is mounted in direct contact with the casting for a low operating temperature and long life. The die-cast door frame is fully gasketed with a one-piece solid silicone gasket to keep out moisture and dust, providing an IP66 rating for the luminaire.

FINISH

Exterior painted parts are protected by a zinc-infused Super Durable TGIC thermoset powder coat finish that provides superior resistance to corrosion and weathering. A tightly controlled multi-stage process ensures a 3 mils thickness for a finish that can withstand extreme climate changes without cracking or peeling. Standard Super Durable colors include dark bronze, black, natural aluminum, sandstone and white. Available in textured and non-textured finishes.

OPTICS

Individually formed acrylic lenses are engineered for superior application efficiency which maximizes the light in the areas where it is most needed. The WDGE LED has zero uplight and qualifies as a Nighttime Friendly™ product, meaning it is consistent with the LEED® and Green Globes™ criteria for eliminating wasteful uplight.

ELECTRICAL

Light engine consists of high-efficacy LEDs mounted to metal-core circuit boards to maximize heat dissipation and promote long life (up to L91/100,000 hours at 25°C). The electronic driver has a power factor of >90%, THD <20%. Luminaire comes with built in 6kV surge protection, which meets a minimum Category C low exposure (per ANSI/IEEE C62.41.2). Fixture ships standard with 0-10v dimmable driver.

INSTALLATION

A universal mounting plate with integral mounting support arms allows the fixture to hinge down for easy access while making wiring connections. The 3/8" Architectural Wall Spacer (AWS) can be used to create a floating appearance or to accommodate small imperfections in the wall surface. The ICW option can be used to mount the luminaire inverted for indirect lighting in dry and damp locations. Design can withstand up to a 1.5 G vibration load rating per ANSI C136.31.

LISTINGS

CSA certified to U.S. and Canadian standards. Luminaire is IP66 rated. PIR options are rated for wet location. Rated for -40°C minimum ambient. DesignLights Consortium® (DLC) Premium qualified product and DLC qualified product. Not all versions of this product may be DLC Premium qualified or DLC qualified. Please check the DLC Qualified Products List at www.designlights.org/QPL to confirm which versions are qualified. International Dark-Sky Association (IDA) Fixture Seal of Approval (FSA) is available for all products on this page utilizing 2700K and 3000K color temperature only and SRM mounting only.

GOVERNMENT PROCUREMENT

BABA – Build America Buy America: Product qualifies as produced in the United States under the definitions of the Build America, Buy America Act. Complete warranty terms located at: www.acuitybrands.com/buy-american for additional information.

WARRANTY

5-year limited warranty. This is the only warranty provided and no other statements in this specification sheet create any warranty of any kind. All other express and implied warranties are disclaimed. Complete warranty terms located at: www.acuitybrands.com/support/warranty/terms-and-conditions

Note: Actual performance may differ as a result of end-user environment and application. All values are design or typical values, measured under laboratory conditions at 25 °C. Specifications subject to change without notice.

FORM AND FUNCTION

- Sleek, low profile housing
- Engineered for optimum thermal management
- Low depreciation rate
- Optical system designed for:
 - Parking Lots
 - Commercial Applications

CONSTRUCTION

- Die Formed heavy duty Aluminum
- Corrosion resistant external hardware
- One-piece silicone gasket ensures IP-65 seal for electronics compartment
- Two-piece silicone Micro Optic system ensures IP-67 level seal around each PCB

BUY AMERICAN

To ensure the latest BAA/TAA/BABA Standards are being met, please select BAA, TAA, or BABA in the options section. Please contact the factory before placing an order for any NLS products requesting BAA (Buy American Act), TAA (Trade American Act), or BABA (Build America, Buy America).



LED WATTAGE CHART

	32L	48L	64L
700 milliamps	71w	104w	136w
1050 milliamps	106w	156w	205w

Project Name:

Type:

Cat#	Light Dist.	# of LEDs	Milliamps	Kelvin	Volts	Mounting	Color	Options
Value Series Square 1 (VSS-1)	Type 2 (T2) Type 3 (T3) Type 4 (T4) Type 5 (T5)	32 (32L) 48 (48L) 64 (64L)	700 (7) 1050 (1)	Amber 585-600nm (AMBER) ① ② 2700K, 70 CRI (27K7) ③ 2700K, 80 CRI (27K8) ① ③ 3000K, 70 CRI (30K7) ③ 3000K, 80 CRI (30K8) ① ③ 3500K, 80 CRI (35K8) 4000K, 70 CRI (40K7) 4000K, 80 CRI (40K8) ① 5000K, 70 CRI (50K7) 5000K, 80 CRI (50K8) ①	120-277 (UNV) 347-480 (HV)	Direct Pole 6" Arm Single D180 (DPS6) ② Direct Pole 10" Arm D90, T90, T120, Quad (DPS10) ② Knuckle Mount (KM) Wall Mount (WM) ③ Tennis Arm (TA)	Bronze Textured (BRZ) White Textured (WHT) Smooth White Gloss (SWT) Silver (SVR) Black Textured (BLK) Smooth Black Gloss (SBK) Graphite Textured (GPH) Grey Textured (GRY) Custom (CS)	Bird Spikes (BS) Marine Grade Finish (MGF) Photocell (PC) ④ Nema 7-Pin Receptacle (PE7) Photocell + Receptacle (PCR) Receptacle + Shorting Cap (PER) FSP-211 with Motion Sensor (FSP-8) ⑤ ⑧+ Below (FSP-20) ⑤ ⑨-20' Heights (FSP-40) ⑤ 21'-40' Heights Quick Mount Bracket (QMB) Retrofit Mount Bracket (RQMB) Round Pole Adaptor 3"- 4" Pole (RPA4) Round Pole Adaptor 5"- 6" Pole (RPA5) Rotated Optic Left (ROL) Rotated Optic Right (ROR) Automotive House Side Shield (AHS) House Side Shield (HSS) Buy American (BAA) ⑥ Trade American (TAA) ⑥ Build America Buy American (BABA) ⑥ Custom Controls Integration (CCI) ⑥

Notes:

- ① Consult Factory for Lead Time. Consult Factory for 90 CRI Requests.
- ② For Round Pole Specify RPA4 or RPA5
- ③ Includes 6" Bolt On Arm
- ④ Universal Voltage 120-277
- ⑤ 3000K or lower must be selected to meet International Dark Sky Association certification
- ⑥ Please contact Factory for Custom Control Integration requests (nLight, NX, WaveLinx, Crestron, DMX/RDM, Synapse, Casambi, Dali II, Avi-On, or other control systems)
- ⑦ Turtle Safe
- ⑧ Consult factory for all BAA/TAA/BABA requests

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 IP-65 compartment
- CRI 70, 80 or 90
- Color temperatures: Amber, 2700K, 3000K, 3500K, 4000K, 5000K
- Surge Protection: 20KA supplies as standard.

OPTIONS

- **BIRD SPIKES (BS)**—Offers effective and humane deterrent for larger bird species and provides cost-effective long-term solution to nuisance bird infestations and protect your property.
- **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
 - Powder coated 3-5 mils of Zinc Rich Super Durable Polyester Primer.
 - 1-2 feet inside pole coverage top and bottom.
 - Oven Baked.
 - Finished Powder Coating of Super Durable Polyester Powder Coat 3-5 mil thickness.
- **SHIELDS (HSS, AHS)**—House Side Shield (HSS) is designed for full property line cut-off. Automotive House Side Shield (AHS) is a single-sided shield allowing partial cut-off on either side or front of luminaire.
- **ROUND POLE ADAPTER (RPA)**— When using round poles, specify Round Pole Adapter (RPA). Specify RPA4 when installing on 3"-4" round poles, and RPA5 when installing on 5"-6" round poles.

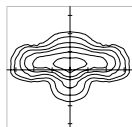
CONTROLS

- **FSP-211 (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.
- **NEMA 7-PIN RECEPTACLE (PE7)**—An ANSI C136.41-2013 receptacle provides electrical and mechanical interconnection between photo control cell and luminaire. Dimming receptacle available two or four dimming contacts supports 0-10 VDC dimming methods or Digital Addressable Lighting Interface (DALI), providing reliable power interconnect.
- 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)

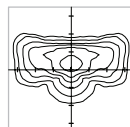
OPTICS

Silicone optics high photothermal stability and light output provides higher powered LEDs with minimized lumen depreciation LED life. UV and thermal stability with scratch resistance increases exterior application durability.

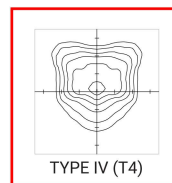
- IES Types



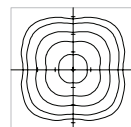
TYPE II (T2)



TYPE III (T3)



TYPE IV (T4)



TYPE V (T5)

FINISH

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

WARRANTY

Five-year limited warranty for drivers and LEDs.

LISTINGS

- Certified to UL 1598
- CSA C22.2 No. 250.0
- IP65/ IP67 Rated
- Dark Sky Approved
- IK10 Rated

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://nslighting.com/wp-content/uploads/cs/NLS_BuyAmerica\(n\).pdf](https://nslighting.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, typical or prorated values when measured under internal and external laboratory conditions.



701 Kingshill Place, Carson, CA 90746
Call Us Today (310) 341-2037

nslighting.com

PRODUCT SPECIFICATIONS

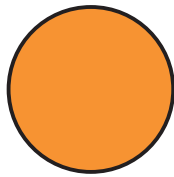
LUMENS

PART NUMBER	T2	LM/W	BUG	T3 HSS	LM/W	BUG	T3	LM/W	BUG	T4 AHS	LM/W	T4 HSS	LM/W	BUG	T4	LM/W	BUG	T5	LM/W	BUG	Watts
VSS-1-32L-7-30K7	7384	104	B1-U0-G1	4118	58	B0-U0-G1	7242	102	B2-U0-G2	5112	72	4047	57	B0-U0-G1	7668	108	B2-U0-G2	8179	115	B3-U0-G2	71
VSS-1-32L-7-40K7	8023	113	B2-U0-G2	4402	62	B0-U0-G1	7952	112	B2-U0-G2	5396	76	4331	61	B0-U0-G1	8307	117	B2-U0-G2	8946	126	B3-U0-G2	71
VSS-1-32L-7-50K7	8662	122	B2-U0-G2	4686	66	B0-U0-G1	8520	120	B2-U0-G2	5680	80	4615	65	B0-U0-G2	8946	126	B2-U0-G2	9585	135	B3-U0-G2	71
VSS-1-32L-1-30K7	10706	101	B2-U0-G2	6148	58	B0-U0-G2	10600	100	B2-U0-G2	7632	72	6042	57	B0-U0-G2	10812	102	B2-U0-G2	11125	105	B4-U0-G2	106
VSS-1-32L-1-40K7	11660	110	B2-U0-G2	6572	62	B0-U0-G2	11554	109	B2-U0-G2	8056	76	6466	61	B0-U0-G2	11766	111	B2-U0-G2	12190	115	B4-U0-G2	106
VSS-1-32L-1-50K7	12508	118	B2-U0-G2	6996	66	B0-U0-G2	12402	117	B2-U0-G2	8480	80	6890	65	B0-U0-G2	12508	118	B2-U0-G2	13144	124	B4-U0-G2	106
VSS-1-48L-7-30K7	10816	104	B2-U0-G2	6032	58	B0-U0-G2	10712	103	B2-U0-G2	7488	72	5928	57	B0-U0-G2	11232	108	B2-U0-G2	12272	118	B4-U0-G2	104
VSS-1-48L-7-40K7	11752	113	B2-U0-G2	6448	62	B0-U0-G2	11648	112	B2-U0-G2	7904	76	6344	61	B0-U0-G2	12168	117	B2-U0-G2	13312	128	B4-U0-G2	104
VSS-1-48L-7-50K7	12688	122	B2-U0-G2	6864	66	B0-U0-G2	12480	120	B2-U0-G2	8320	80	6760	65	B0-U0-G2	13104	126	B3-U0-G3	14248	137	B4-U0-G2	104
VSS-1-48L-1-30K7	16559	106	B3-U0-G3	9048	58	B0-U0-G2	15756	101	B3-U0-G3	11232	72	8892	57	B1-U0-G2	15912	102	B3-U0-G3	16536	106	B4-U0-G2	156
VSS-1-48L-1-40K7	17160	110	B3-U0-G3	9672	62	B1-U0-G2	17004	109	B3-U0-G3	11856	76	9516	61	B1-U0-G2	17316	111	B3-U0-G3	17940	115	B4-U0-G2	156
VSS-1-48L-1-50K7	18408	118	B3-U0-G3	10296	66	B1-U0-G2	18252	117	B3-U0-G3	12480	80	10140	65	B1-U0-G2	18408	118	B3-U0-G3	19188	123	B4-U0-G2	156
VSS-1-64L-7-30K7	14144	104	B2-U0-G2	7888	58	B0-U0-G2	13736	101	B3-U0-G3	9792	72	7752	57	B0-U0-G2	14688	108	B3-U0-G3	16048	118	B4-U0-G2	136
VSS-1-64L-7-40K7	15368	113	B3-U0-G3	8432	62	B0-U0-G2	14824	109	B3-U0-G3	10336	76	8296	61	B1-U0-G2	15912	117	B3-U0-G3	17408	128	B4-U0-G2	136
VSS-1-64L-7-50K7	16592	122	B3-U0-G3	8976	66	B0-U0-G2	16048	118	B3-U0-G3	10880	80	8840	65	B1-U0-G2	17136	126	B3-U0-G3	18632	137	B4-U0-G2	136
VSS-1-64L-1-30K7	21730	106	B3-U0-G3	11890	58	B1-U0-G2	20705	101	B3-U0-G3	14760	72	11685	57	B1-U0-G2	20910	102	B3-U0-G3	21730	106	B5-U0-G3	205
VSS-1-64L-1-40K7	22550	110	B3-U0-G3	12710	62	B1-U0-G2	22345	109	B3-U0-G3	15580	76	12505	61	B1-U0-G3	22755	111	B3-U0-G3	23575	115	B5-U0-G3	205
VSS-1-64L-1-50K7	24190	118	B3-U0-G3	13530	66	B1-U0-G2	23780	116	B3-U0-G3	16400	80	13325	65	B1-U0-G3	24190	118	B3-U0-G4	25215	123	B5-U0-G3	205

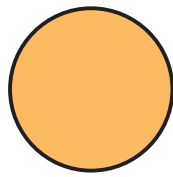
Lumen Maintenance Data

Ambient Temperature	Drive Current	L90 Hours*	L70 Hours**	30,000 Hours*	50,000 Hours*	60,000 Hours*	100,000 Hours**
25°C	Up to 700mA	58,000	173,000	95.7%	91.6%	89.6%	82.1%
	1050mA	38,000	96,000	93.0%	85.4%	81.8%	68.8%
*Reported extrapolations per IESNA TM-21				**Projected extrapolations per IESNA TM-21			

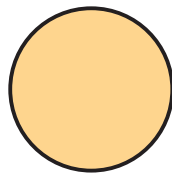
LED KELVIN RANGE



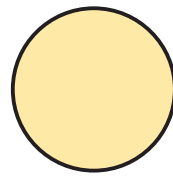
AMBER
585-600 nm



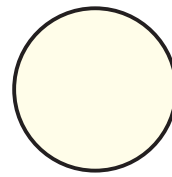
2700K 70 CRI



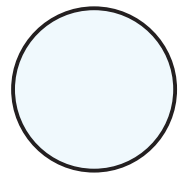
3000K 70 CRI



3500K 80 CRI



4000K 70 CRI



5000K 70 CRI

Color	Dominant or Peak Wavelength Range (nm)	
	Minimum	Maximum
Amber	585	600

PRODUCT SPECIFICATIONS

DIMENSION	VSS-1
A	17 in. SQ
B	5 in.
Weight	23 lbs

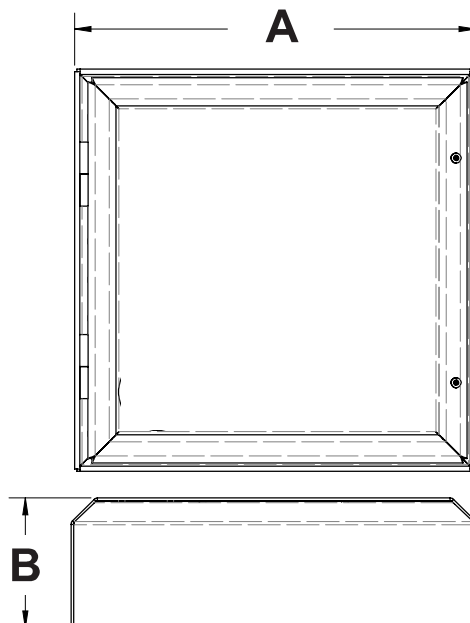
EPA

EPA	SGL	D90	D180	T90	T120	QD
VSS-1	0.90	1.52	1.80	2.34	2.43	2.34

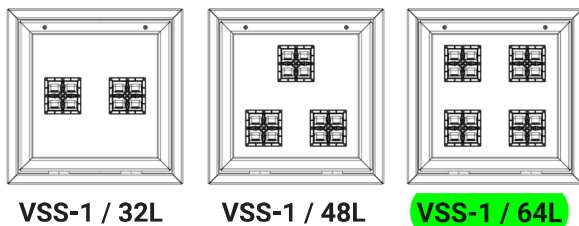
DPX ARM LENGTH

DPX ARM LENGTH	SGL	D90	D180	T90	T120	QD
VSS-1	6"	10"	6"	10"	10"	10"

6" - DPX6 | 10" - DPX10



OPTICAL CONFIGURATIONS

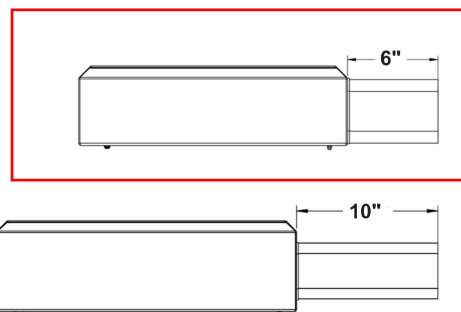


PRODUCT SPECIFICATIONS

DIRECT POLE (DP)

Standard mounting arm is extruded aluminum in lengths of 6", And 10"

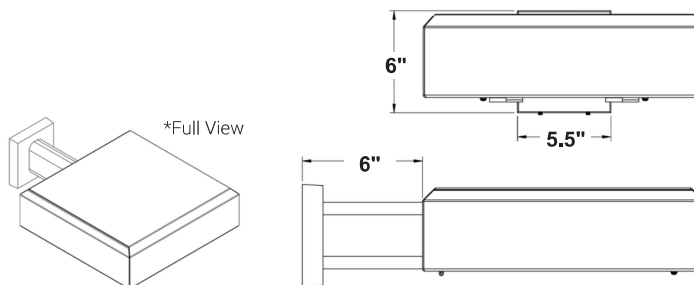
*Arm lengths may vary depending on configuration



WALL MOUNT (WM)

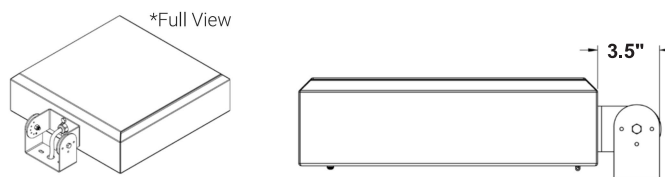
Cast Aluminum Plate for direct wall mount.

6" extruded aluminum arm mounts directly to a cast wall mount box.



TRUNNION MOUNT (TM)

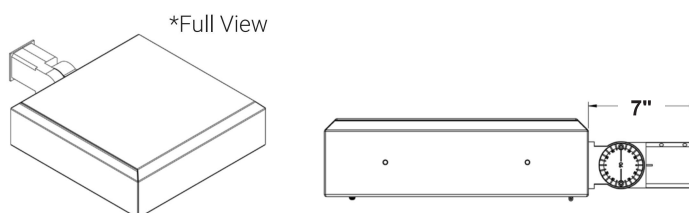
Steel bolt-on-mounting for adjustable installation with a maximum uplift of 90°.



KNUCKLE MOUNT (KM)

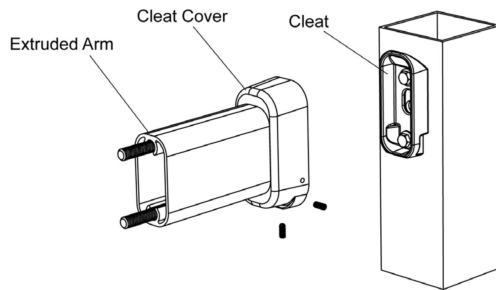
Die Cast Knuckle great for adjustable installation on 2-3/8" OD vertical or horizontal tenon.

- Max Uptilt of 110 degrees
- Adjustable in 5 degree increments

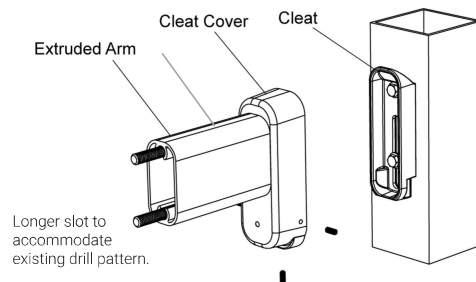
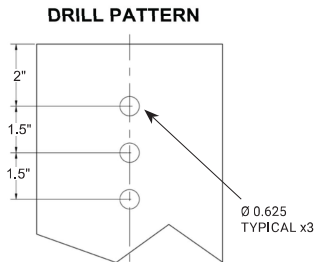


PRODUCT SPECIFICATIONS

Optional Cast Aluminum Bracket designed for quick mounting on Direct Square or Round Poles. Cleat mounts directly to pole for easily hung fixtures.

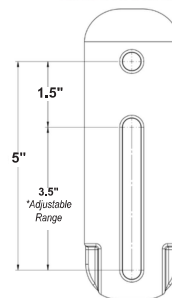


**QUICK MOUNT BRACKET (QMB)
DIRECT POLE (DP6/DP10)**

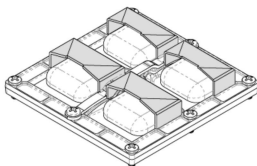


RETROFIT QUICK MOUNT BRACKET (RQMB)

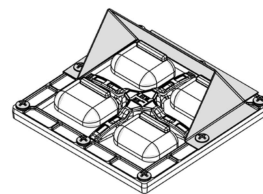
RQMB DRILL PATTERN



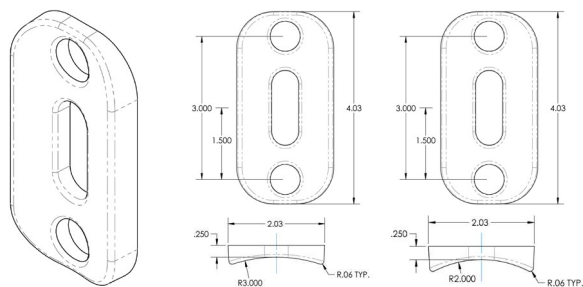
HOUSE SIDE SHIELD



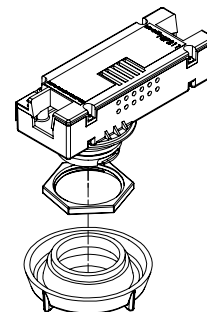
AUTOMOTIVE HOUSE SIDE SHIELD



RPA4 / RPA5



FSP-211



FORM AND FUNCTION

- Sleek, low profile housing
- Engineered for optimum thermal management
- Low depreciation rate
- Optical system designed for:
 - Parking Lots
 - Commercial Applications

CONSTRUCTION

- Die Formed heavy duty Aluminum
- Corrosion resistant external hardware
- One-piece silicone gasket ensures IP-65 seal for electronics compartment
- Two-piece silicone Micro Optic system ensures IP-67 level seal around each PCB

BUY AMERICAN

To ensure the latest BAA/TAA/BABA Standards are being met, please select BAA, TAA, or BABA in the options section. Please contact the factory before placing an order for any NLS products requesting BAA (Buy American Act), TAA (Trade American Act), or BABA (Build America, Buy America).



LED WATTAGE CHART

	32L	48L	64L
700 milliamps	71w	104w	136w
1050 milliamps	106w	156w	205w

Project Name:

Type:

Cat#	Light Dist.	# of LEDs	Milliamps	Kelvin	Volts	Mounting	Color	Options
Value Series Square 1 (VSS-1)	Type 2 (T2) Type 3 (T3) Type 4 (T4) Type 5 (T5)	32 (32L) 48 (48L) 64 (64L)	700 (7) 1050 (1)	Amber 585-600nm (AMBER) ① ② 2700K, 70 CRI (27K7) ③ 2700K, 80 CRI (27K8) ① ③ 3000K, 70 CRI (30K7) ③ 3000K, 80 CRI (30K8) ① ③ 3500K, 80 CRI (35K8) 4000K, 70 CRI (40K7) 4000K, 80 CRI (40K8) ① 5000K, 70 CRI (50K7) 5000K, 80 CRI (50K8) ①	120-277 (UNV) 347-480 (HV)	Direct Pole 6" Arm Single, DT80 (DPS6) ④ Direct Pole 10" Arm D90, T90, T120, Quad (DPS10) ④ Knuckle Mount (KM) Wall Mount (WM) ⑤ Tennis Arm (TA)	Bronze Textured (BRZ) White Textured (WHT) Smooth White Gloss (SWT) Silver (SVR) Black Textured (BLK) Smooth Black Gloss (SBK) Graphite Textured (GPH) Grey Textured (GRY) Custom (CS)	Bird Spikes (BS) Marine Grade Finish (MGF) Photocell (PC) ⑥ Nema 7-Pin Receptacle (PE7) Photocell + Receptacle (PCR) Receptacle + Shorting Cap (PER) FSP-211 with Motion Sensor (FSP-8) ④ ⑧+ Below (FSP-20) ④ ⑨-20' Heights (FSP-40) ④ 21'-40' Heights Quick Mount Bracket (QMB) Retrofit Mount Bracket (RQMB) Round Pole Adaptor 3"- 4" Pole (RPA4) Round Pole Adaptor 5"- 6" Pole (RPA5) Rotated Optic Left (ROL) Rotated Optic Right (ROR) Automotive House Side Shield (AHS) House Side Shield (HSS) Buy American (BAA) ⑧ Trade American (TAA) ⑧ Build America Buy American (BABA) ⑧ Custom Controls Integration (CCI) ⑥

Notes:

- ① Consult Factory for Lead Time. Consult Factory for 90 CRI Requests.
- ② For Round Pole Specify RPA4 or RPA5
- ③ Includes 6" Bolt On Arm
- ④ Universal Voltage 120-277
- ⑤ 3000K or lower must be selected to meet International Dark Sky Association certification
- ⑥ Please contact Factory for Custom Control Integration requests (nLight, NX, WaveLinX, Crestron, DMX/RDM, Synapse, Casambi, Dali II, Avi-On, or other control systems)
- ⑦ Turtle Safe
- ⑧ Consult factory for all BAA/TAA/BABA requests

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 IP-65 compartment
- CRI 70, 80 or 90
- Color temperatures: Amber, 2700K, 3000K, 3500K, 4000K, 5000K
- Surge Protection: 20KA supplies as standard.

OPTIONS

- **BIRD SPIKES (BS)**—Offers effective and humane deterrent for larger bird species and provides cost-effective long-term solution to nuisance bird infestations and protect your property.
- **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
 - Powder coated 3-5 mils of Zinc Rich Super Durable Polyester Primer.
 - 1-2 feet inside pole coverage top and bottom.
 - Oven Baked.
 - Finished Powder Coating of Super Durable Polyester Powder Coat 3-5 mil thickness.
- **SHIELDS (HSS, AHS)**—House Side Shield (HSS) is designed for full property line cut-off. Automotive House Side Shield (AHS) is a single-sided shield allowing partial cut-off on either side or front of luminaire.
- **ROUND POLE ADAPTER (RPA)**—When using round poles, specify Round Pole Adapter (RPA). Specify RPA4 when installing on 3"-4" round poles, and RPA5 when installing on 5"-6" round poles.

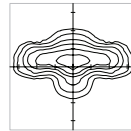
CONTROLS

- **FSP-211 (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.
- **NEMA 7-PIN RECEPTACLE (PE7)**—An ANSI C136.41-2013 receptacle provides electrical and mechanical interconnection between photo control cell and luminaire. Dimming receptacle available two or four dimming contacts supports 0-10 VDC dimming methods or Digital Addressable Lighting Interface (DALI), providing reliable power interconnect.
- Controls Agnostic: Please contact factory for your preferred controls option. (nLight, NX, WaveLinX, Crestron, DMX/RDM, Synapse, Casambi, DALI II, Av-On, or other control systems)

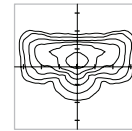
OPTICS

Silicone optics high photothermal stability and light output provides higher powered LEDs with minimized lumen depreciation LED life. UV and thermal stability with scratch resistance increases exterior application durability.

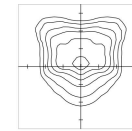
- IES Types



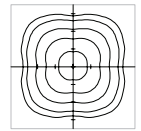
TYPE II (T2)



TYPE III (T3)



TYPE IV (T4)



TYPE V (T5)

FINISH

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

WARRANTY

Five-year limited warranty for drivers and LEDs.

LISTINGS

- Certified to UL 1598
- CSA C22.2 No. 250.0
- IP65/ IP67 Rated
- Dark Sky Approved
- IK10 Rated

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://nslighting.com/wp-content/uploads/cs/NLS_BuyAmerica\(n\).pdf](https://nslighting.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, typical or prorated values when measured under internal and external laboratory conditions.



701 Kingshill Place, Carson, CA 90746
Call Us Today (310) 341-2037

nslighting.com

PRODUCT SPECIFICATIONS

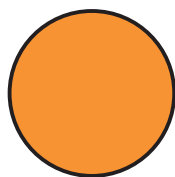
LUMENS

PART NUMBER	T2	LM/W	BUG	T3 HSS	LM/W	BUG	T3	LM/W	BUG	T4 AHS	LM/W	T4 HSS	LM/W	BUG	T4	LM/W	BUG	T5	LM/W	BUG	Watts
VSS-1-32L-7-30K7	7384	104	B1-U0-G1	4118	58	B0-U0-G1	7242	102	B2-U0-G2	5112	72	4047	57	B0-U0-G1	7668	108	B2-U0-G2	8179	115	B3-U0-G2	71
VSS-1-32L-7-40K7	8023	113	B2-U0-G2	4402	62	B0-U0-G1	7952	112	B2-U0-G2	5396	76	4331	61	B0-U0-G1	8307	117	B2-U0-G2	8946	126	B3-U0-G2	71
VSS-1-32L-7-50K7	8662	122	B2-U0-G2	4686	66	B0-U0-G1	8520	120	B2-U0-G2	5680	80	4615	65	B0-U0-G2	8946	126	B2-U0-G2	9585	135	B3-U0-G2	71
VSS-1-32L-1-30K7	10706	101	B2-U0-G2	6148	58	B0-U0-G2	10600	100	B2-U0-G2	7632	72	6042	57	B0-U0-G2	10812	102	B2-U0-G2	11125	105	B4-U0-G2	106
VSS-1-32L-1-40K7	11660	110	B2-U0-G2	6572	62	B0-U0-G2	11554	109	B2-U0-G2	8056	76	6466	61	B0-U0-G2	11766	111	B2-U0-G2	12190	115	B4-U0-G2	106
VSS-1-32L-1-50K7	12508	118	B2-U0-G2	6996	66	B0-U0-G2	12402	117	B2-U0-G2	8480	80	6890	65	B0-U0-G2	12508	118	B2-U0-G2	13144	124	B4-U0-G2	106
VSS-1-48L-7-30K7	10816	104	B2-U0-G2	6032	58	B0-U0-G2	10712	103	B2-U0-G2	7488	72	5928	57	B0-U0-G2	11232	108	B2-U0-G2	12272	118	B4-U0-G2	104
VSS-1-48L-7-40K7	11752	113	B2-U0-G2	6448	62	B0-U0-G2	11648	112	B2-U0-G2	7904	76	6344	61	B0-U0-G2	12168	117	B2-U0-G2	13312	128	B4-U0-G2	104
VSS-1-48L-7-50K7	12688	122	B2-U0-G2	6864	66	B0-U0-G2	12480	120	B2-U0-G2	8320	80	6760	65	B0-U0-G2	13104	126	B3-U0-G3	14248	137	B4-U0-G2	104
VSS-1-48L-1-30K7	16559	106	B3-U0-G3	9048	58	B0-U0-G2	15756	101	B3-U0-G3	11232	72	8892	57	B1-U0-G2	15912	102	B3-U0-G3	16536	106	B4-U0-G2	156
VSS-1-48L-1-40K7	17160	110	B3-U0-G3	9672	62	B1-U0-G2	17004	109	B3-U0-G3	11856	76	9516	61	B1-U0-G2	17316	111	B3-U0-G3	17940	115	B4-U0-G2	156
VSS-1-48L-1-50K7	18408	118	B3-U0-G3	10296	66	B1-U0-G2	18252	117	B3-U0-G3	12480	80	10140	65	B1-U0-G2	18408	118	B3-U0-G3	19188	123	B4-U0-G2	156
VSS-1-64L-7-30K7	14144	104	B2-U0-G2	7888	58	B0-U0-G2	13736	101	B3-U0-G3	9792	72	7752	57	B0-U0-G2	14688	108	B3-U0-G3	16048	118	B4-U0-G2	136
VSS-1-64L-7-40K7	15368	113	B3-U0-G3	8432	62	B0-U0-G2	14824	109	B3-U0-G3	10336	76	8296	61	B1-U0-G2	15912	117	B3-U0-G3	17408	128	B4-U0-G2	136
VSS-1-64L-7-50K7	16592	122	B3-U0-G3	8976	66	B0-U0-G2	16048	118	B3-U0-G3	10880	80	8840	65	B1-U0-G2	17136	126	B3-U0-G3	18632	137	B4-U0-G2	136
VSS-1-64L-1-30K7	21730	106	B3-U0-G3	11890	58	B1-U0-G2	20705	101	B3-U0-G3	14760	72	11685	57	B1-U0-G2	20910	102	B3-U0-G3	21730	106	B5-U0-G3	205
VSS-1-64L-1-40K7	22550	110	B3-U0-G3	12710	62	B1-U0-G2	22345	109	B3-U0-G3	15580	76	12505	61	B1-U0-G3	22755	111	B3-U0-G3	23575	115	B5-U0-G3	205
VSS-1-64L-1-50K7	24190	118	B3-U0-G3	13530	66	B1-U0-G2	23780	116	B3-U0-G3	16400	80	13325	65	B1-U0-G3	24190	118	B3-U0-G4	25215	123	B5-U0-G3	205

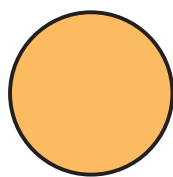
Lumen Maintenance Data

Ambient Temperature	Drive Current	L90 Hours*	L70 Hours**	30,000 Hours*	50,000 Hours*	60,000 Hours*	100,000 Hours**
25°C	Up to 700mA	58,000	173,000	95.7%	91.6%	89.6%	82.1%
	1050mA	38,000	96,000	93.0%	85.4%	81.8%	68.8%
*Reported extrapolations per IESNA TM-21				**Projected extrapolations per IESNA TM-21			

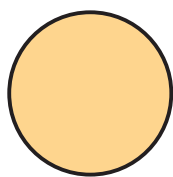
LED KELVIN RANGE



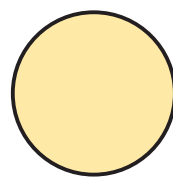
AMBER
585-600 nm



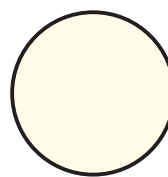
2700K 70 CRI



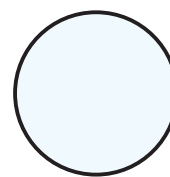
3000K 70 CRI



3500K 80 CRI



4000K 70 CRI



5000K 70 CRI

Color	Dominant or Peak Wavelength Range (nm)	
	Minimum	Maximum
Amber	585	600

PRODUCT SPECIFICATIONS

DIMENSION	VSS-1
A	17 in. SQ
B	5 in.
Weight	23 lbs

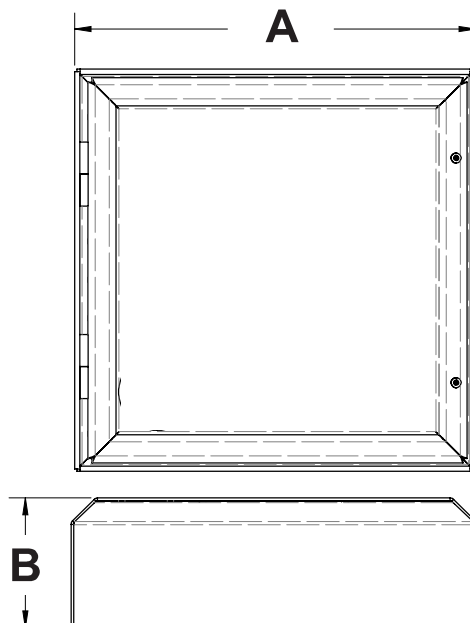
EPA

EPA	SGL	D90	D180	T90	T120	QD
VSS-1	0.90	1.52	1.80	2.34	2.43	2.34

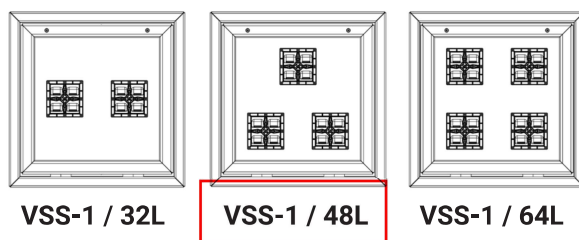
DPX ARM LENGTH

DPX ARM LENGTH	SGL	D90	D180	T90	T120	QD
VSS-1	6"	10"	6"	10"	10"	10"

6" - DPX6 | 10" - DPX10



OPTICAL CONFIGURATIONS

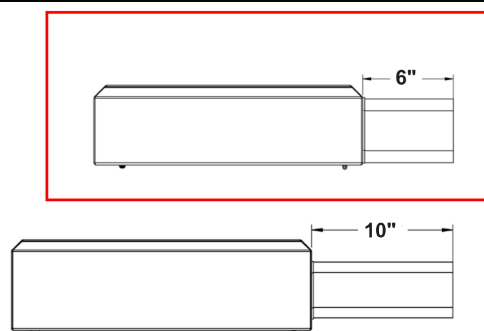


PRODUCT SPECIFICATIONS

DIRECT POLE (DP)

Standard mounting arm is extruded aluminum in lengths of 6", And 10"

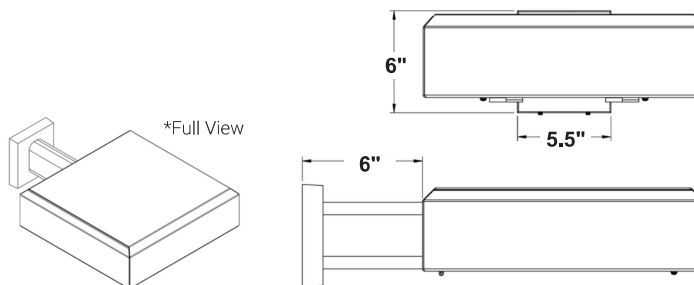
*Arm lengths may vary depending on configuration



WALL MOUNT (WM)

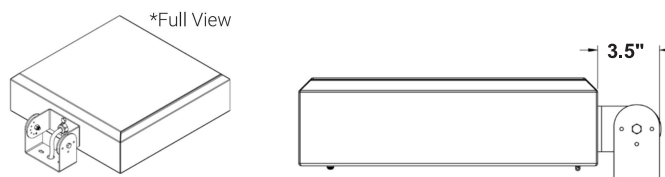
Cast Aluminum Plate for direct wall mount.

6" extruded aluminum arm mounts directly to a cast wall mount box.



TRUNNION MOUNT (TM)

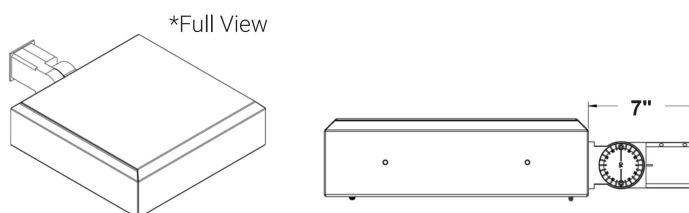
Steel bolt-on-mounting for adjustable installation with a maximum uplift of 90°.



KNUCKLE MOUNT (KM)

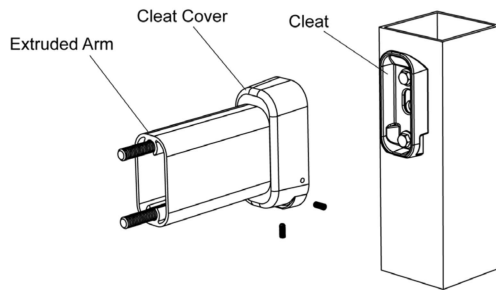
Die Cast Knuckle great for adjustable installation on 2-3/8" OD vertical or horizontal tenon.

- Max Uptilt of 110 degrees
- Adjustable in 5 degree increments

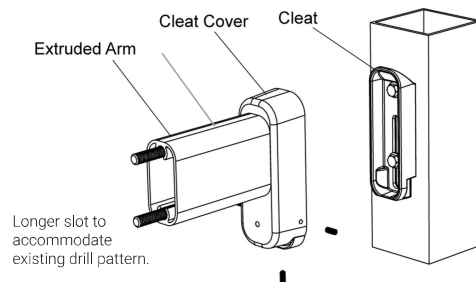
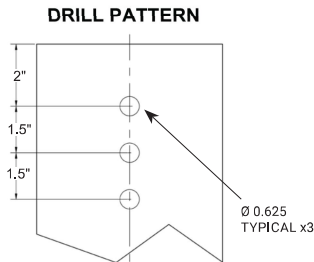


PRODUCT SPECIFICATIONS

Optional Cast Aluminum Bracket designed for quick mounting on Direct Square or Round Poles. Cleat mounts directly to pole for easily hung fixtures.

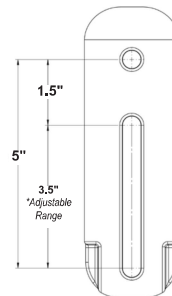


**QUICK MOUNT BRACKET (QMB)
DIRECT POLE (DP6/DP10)**

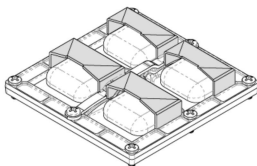


RETROFIT QUICK MOUNT BRACKET (RQMB)

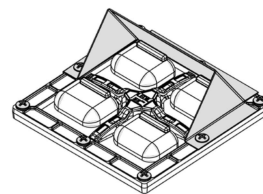
RQMB DRILL PATTERN



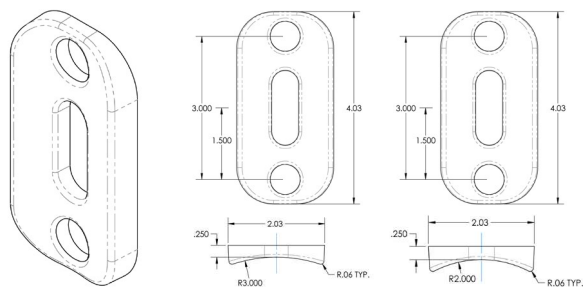
HOUSE SIDE SHIELD



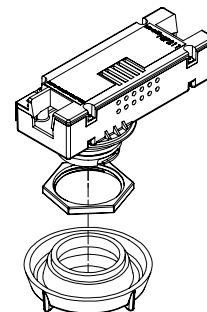
AUTOMOTIVE HOUSE SIDE SHIELD



RPA4 / RPA5



FSP-211



FORM AND FUNCTION

- Sleek, low profile housing
- Engineered for optimum thermal management
- Low depreciation rate
- Optical system designed for:
 - Parking Lots
 - Commercial Applications

CONSTRUCTION

- Die Formed heavy duty Aluminum
- Corrosion resistant external hardware
- One-piece silicone gasket ensures IP-65 seal for electronics compartment
- Two-piece silicone Micro Optic system ensures IP-67 level seal around each PCB

BUY AMERICAN

To ensure the latest BAA/TAA/BABA Standards are being met, please select BAA, TAA, or BABA in the options section. Please contact the factory before placing an order for any NLS products requesting BAA (Buy American Act), TAA (Trade American Act), or BABA (Build America, Buy America).



LED WATTAGE CHART

	32L	48L	64L
700 milliamps	71w	104w	136w
1050 milliamps	106w	156w	205w

Project Name:

Type:

Cat#	Light Dist.	# of LEDs	Milliamps	Kelvin	Volts	Mounting	Color	Options
Value Series Square 1 (VSS-1)	Type 2 (T2) Type 3 (T3) Type 4 (T4) Type 5 (T5)	32 (32L) 48 (48L) 64 (64L)	700 (7) 1050 (1)	Amber 585-600nm (AMBER) ① ② 2700K, 70 CRI (27K7) ③ 2700K, 80 CRI (27K8) ① ③ 3000K, 70 CRI (30K7) ③ 3000K, 80 CRI (30K8) ① ③ 3500K, 80 CRI (35K8) 4000K, 70 CRI (40K7) 4000K, 80 CRI (40K8) ① 5000K, 70 CRI (50K7) 5000K, 80 CRI (50K8) ①	120-277 (UNV) 347-480 (HV)	Direct Pole 6" Arm Single, D100 (DPS6) ④ Direct Pole 10" Arm D90, T90, T120, Quad (DPS10) ④ Knuckle Mount (KM) Wall Mount (WM) ⑤ Tennis Arm (TA)	Bronze Textured (BRZ) White Textured (WHT) Smooth White Gloss (SWT) Silver (SVR) Black Textured (BLK) Smooth Black Gloss (SBK) Graphite Textured (GPH) Grey Textured (GRY) Custom (CS)	Bird Spikes (BS) Marine Grade Finish (MGF) Photocell (PC) ⑥ Nema 7-Pin Receptacle (PE7) Photocell + Receptacle (PCR) Receptacle + Shorting Cap (PER) FSP-211 with Motion Sensor (FSP-8) ④ ⑧+ Below (FSP-20) ④ ⑨-20' Heights (FSP-40) ④ 21'-40' Heights Quick Mount Bracket (QMB) Retrofit Mount Bracket (RQMB) Round Pole Adaptor 3"- 4" Pole (RPA4) Round Pole Adaptor 5"- 6" Pole (RPA5) Rotated Optic Left (ROL) Rotated Optic Right (ROR) Automotive House Side Shield (AHS) House Side Shield (HSS) Buy American (BAA) ⑧ Trade American (TAA) ⑧ Build America Buy American (BABA) ⑧ Custom Controls Integration (CCI) ⑧

Notes:

- ① Consult Factory for Lead Time. Consult Factory for 90 CRI Requests.
- ② For Round Pole Specify RPA4 or RPA5
- ③ Includes 6" Bolt On Arm
- ④ Universal Voltage 120-277
- ⑤ 3000K or lower must be selected to meet International Dark Sky Association certification
- ⑥ Please contact Factory for Custom Control Integration requests (nLight, NX, WaveLinX, Crestron, DMX/RDM, Synapse, Casambi, Dali II, Avi-On, or other control systems)
- ⑦ Turtle Safe
- ⑧ Consult factory for all BAA/TAA/BABA requests

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 IP-65 compartment
- CRI 70, 80 or 90
- Color temperatures: Amber, 2700K, 3000K, 3500K, 4000K, 5000K
- Surge Protection: 20KA supplies as standard.

OPTIONS

- **BIRD SPIKES (BS)**—Offers effective and humane deterrent for larger bird species and provides cost-effective long-term solution to nuisance bird infestations and protect your property.
- **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
 - Powder coated 3-5 mils of Zinc Rich Super Durable Polyester Primer.
 - 1-2 feet inside pole coverage top and bottom.
 - Oven Baked.
 - Finished Powder Coating of Super Durable Polyester Powder Coat 3-5 mil thickness.
- **SHIELDS (HSS, AHS)**—House Side Shield (HSS) is designed for full property line cut-off. Automotive House Side Shield (AHS) is a single-sided shield allowing partial cut-off on either side or front of luminaire.
- **ROUND POLE ADAPTER (RPA)**—When using round poles, specify Round Pole Adapter (RPA). Specify RPA4 when installing on 3"-4" round poles, and RPA5 when installing on 5"-6" round poles.

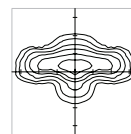
CONTROLS

- **FSP-211 (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.
- **NEMA 7-PIN RECEPTACLE (PE7)**—An ANSI C136.41-2013 receptacle provides electrical and mechanical interconnection between photo control cell and luminaire. Dimming receptacle available two or four dimming contacts supports 0-10 VDC dimming methods or Digital Addressable Lighting Interface (DALI), providing reliable power interconnect.
- 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)

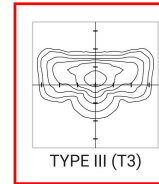
OPTICS

Silicone optics high photothermal stability and light output provides higher powered LEDs with minimized lumen depreciation LED life. UV and thermal stability with scratch resistance increases exterior application durability.

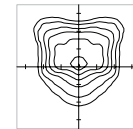
- IES Types



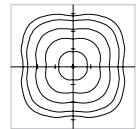
TYPE II (T2)



TYPE III (T3)



TYPE IV (T4)



TYPE V (T5)

FINISH

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

WARRANTY

Five-year limited warranty for drivers and LEDs.

LISTINGS

- Certified to UL 1598
- CSA C22.2 No. 250.0
- IP65/ IP67 Rated
- Dark Sky Approved
- IK10 Rated

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://nslighting.com/wp-content/uploads/cs/NLS_BuyAmerica\(n\).pdf](https://nslighting.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, typical or prorated values when measured under internal and external laboratory conditions.



701 Kingshill Place, Carson, CA 90746
Call Us Today (310) 341-2037

nslighting.com

PRODUCT SPECIFICATIONS

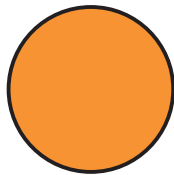
LUMENS

PART NUMBER	T2	LM/W	BUG	T3 HSS	LM/W	BUG	T3	LM/W	BUG	T4 AHS	LM/W	T4 HSS	LM/W	BUG	T4	LM/W	BUG	T5	LM/W	BUG	Watts
VSS-1-32L-7-30K7	7384	104	B1-U0-G1	4118	58	B0-U0-G1	7242	102	B2-U0-G2	5112	72	4047	57	B0-U0-G1	7668	108	B2-U0-G2	8179	115	B3-U0-G2	71
VSS-1-32L-7-40K7	8023	113	B2-U0-G2	4402	62	B0-U0-G1	7952	112	B2-U0-G2	5396	76	4331	61	B0-U0-G1	8307	117	B2-U0-G2	8946	126	B3-U0-G2	71
VSS-1-32L-7-50K7	8662	122	B2-U0-G2	4686	66	B0-U0-G1	8520	120	B2-U0-G2	5680	80	4615	65	B0-U0-G2	8946	126	B2-U0-G2	9585	135	B3-U0-G2	71
VSS-1-32L-1-30K7	10706	101	B2-U0-G2	6148	58	B0-U0-G2	10600	100	B2-U0-G2	7632	72	6042	57	B0-U0-G2	10812	102	B2-U0-G2	11125	105	B4-U0-G2	106
VSS-1-32L-1-40K7	11660	110	B2-U0-G2	6572	62	B0-U0-G2	11554	109	B2-U0-G2	8056	76	6466	61	B0-U0-G2	11766	111	B2-U0-G2	12190	115	B4-U0-G2	106
VSS-1-32L-1-50K7	12508	118	B2-U0-G2	6996	66	B0-U0-G2	12402	117	B2-U0-G2	8480	80	6890	65	B0-U0-G2	12508	118	B2-U0-G2	13144	124	B4-U0-G2	106
VSS-1-48L-7-30K7	10816	104	B2-U0-G2	6032	58	B0-U0-G2	10712	103	B2-U0-G2	7488	72	5928	57	B0-U0-G2	11232	108	B2-U0-G2	12272	118	B4-U0-G2	104
VSS-1-48L-7-40K7	11752	113	B2-U0-G2	6448	62	B0-U0-G2	11648	112	B2-U0-G2	7904	76	6344	61	B0-U0-G2	12168	117	B2-U0-G2	13312	128	B4-U0-G2	104
VSS-1-48L-7-50K7	12688	122	B2-U0-G2	6864	66	B0-U0-G2	12480	120	B2-U0-G2	8320	80	6760	65	B0-U0-G2	13104	126	B3-U0-G3	14248	137	B4-U0-G2	104
VSS-1-48L-1-30K7	16559	106	B3-U0-G3	9048	58	B0-U0-G2	15756	101	B3-U0-G3	11232	72	8892	57	B1-U0-G2	15912	102	B3-U0-G3	16536	106	B4-U0-G2	156
VSS-1-48L-1-40K7	17160	110	B3-U0-G3	9672	62	B1-U0-G2	17004	109	B3-U0-G3	11856	76	9516	61	B1-U0-G2	17316	111	B3-U0-G3	17940	115	B4-U0-G2	156
VSS-1-48L-1-50K7	18408	118	B3-U0-G3	10296	66	B1-U0-G2	18252	117	B3-U0-G3	12480	80	10140	65	B1-U0-G2	18408	118	B3-U0-G3	19188	123	B4-U0-G2	156
VSS-1-64L-7-30K7	14144	104	B2-U0-G2	7888	58	B0-U0-G2	13736	101	B3-U0-G3	9792	72	7752	57	B0-U0-G2	14688	108	B3-U0-G3	16048	118	B4-U0-G2	136
VSS-1-64L-7-40K7	15368	113	B3-U0-G3	8432	62	B0-U0-G2	14824	109	B3-U0-G3	10336	76	8296	61	B1-U0-G2	15912	117	B3-U0-G3	17408	128	B4-U0-G2	136
VSS-1-64L-7-50K7	16592	122	B3-U0-G3	8976	66	B0-U0-G2	16048	118	B3-U0-G3	10880	80	8840	65	B1-U0-G2	17136	126	B3-U0-G3	18632	137	B4-U0-G2	136
VSS-1-64L-1-30K7	21730	106	B3-U0-G3	11890	58	B1-U0-G2	20705	101	B3-U0-G3	14760	72	11685	57	B1-U0-G2	20910	102	B3-U0-G3	21730	106	B5-U0-G3	205
VSS-1-64L-1-40K7	22550	110	B3-U0-G3	12710	62	B1-U0-G2	22345	109	B3-U0-G3	15580	76	12505	61	B1-U0-G3	22755	111	B3-U0-G3	23575	115	B5-U0-G3	205
VSS-1-64L-1-50K7	24190	118	B3-U0-G3	13530	66	B1-U0-G2	23780	116	B3-U0-G3	16400	80	13325	65	B1-U0-G3	24190	118	B3-U0-G4	25215	123	B5-U0-G3	205

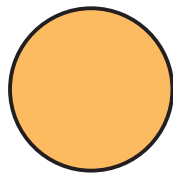
Lumen Maintenance Data

Ambient Temperature	Drive Current	L90 Hours*	L70 Hours**	30,000 Hours*	50,000 Hours*	60,000 Hours*	100,000 Hours**
25°C	Up to 700mA	58,000	173,000	95.7%	91.6%	89.6%	82.1%
	1050mA	38,000	96,000	93.0%	85.4%	81.8%	68.8%
*Reported extrapolations per IESNA TM-21				**Projected extrapolations per IESNA TM-21			

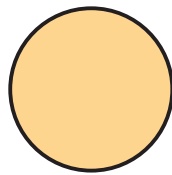
LED KELVIN RANGE



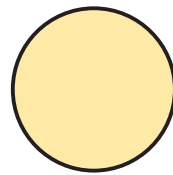
AMBER
585-600 nm



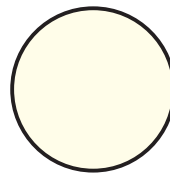
2700K 70 CRI



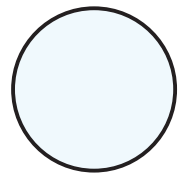
3000K 70 CRI



3500K 80 CRI



4000K 70 CRI



5000K 70 CRI

Color	Dominant or Peak Wavelength Range (nm)	
	Minimum	Maximum
Amber	585	600

PRODUCT SPECIFICATIONS

DIMENSION	VSS-1
A	17 in. SQ
B	5 in.
Weight	23 lbs

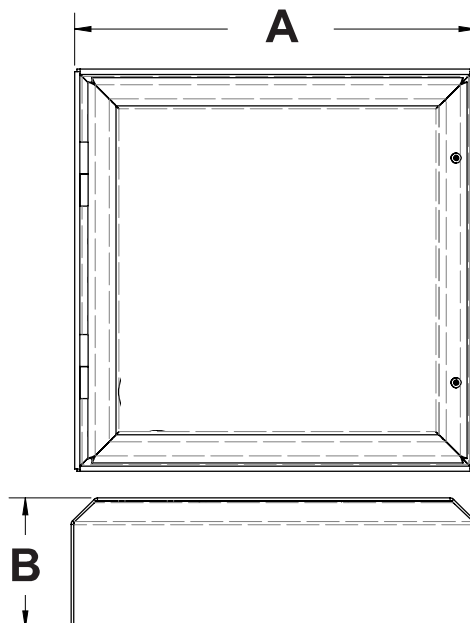
EPA

EPA	SGL	D90	D180	T90	T120	QD
VSS-1	0.90	1.52	1.80	2.34	2.43	2.34

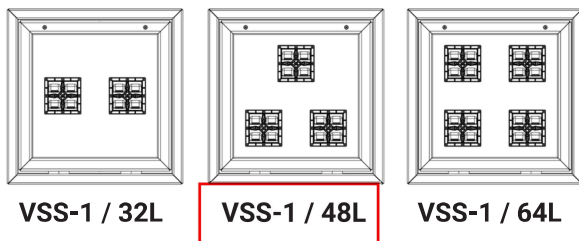
DPX ARM LENGTH

DPX ARM LENGTH	SGL	D90	D180	T90	T120	QD
VSS-1	6"	10"	6"	10"	10"	10"

6" - DPX6 | 10" - DPX10



OPTICAL CONFIGURATIONS

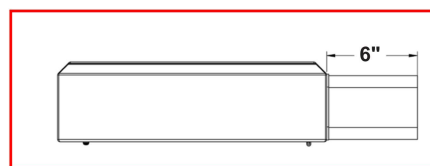


PRODUCT SPECIFICATIONS

DIRECT POLE (DP)

Standard mounting arm is extruded aluminum in lengths of 6", And 10"

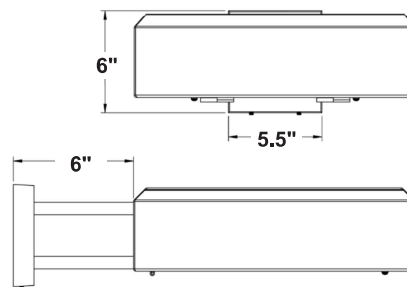
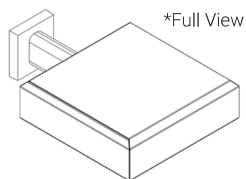
*Arm lengths may vary depending on configuration



WALL MOUNT (WM)

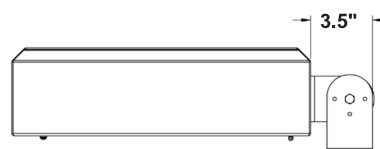
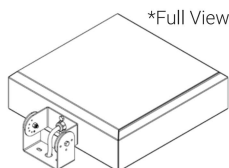
Cast Aluminum Plate for direct wall mount.

6" extruded aluminum arm mounts directly to a cast wall mount box.



TRUNNION MOUNT (TM)

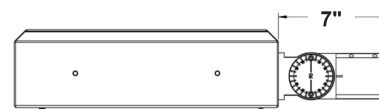
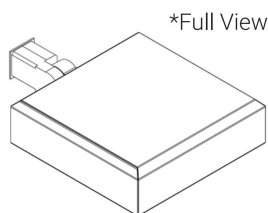
Steel bolt-on-mounting for adjustable installation with a maximum uplift of 90°.



KNUCKLE MOUNT (KM)

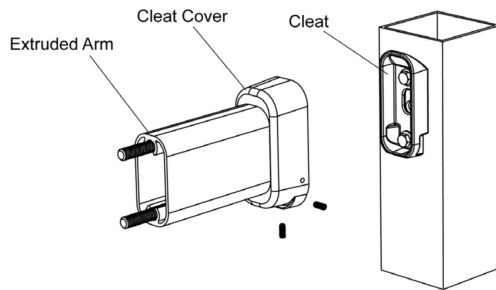
Die Cast Knuckle great for adjustable installation on 2-3/8" OD vertical or horizontal tenon.

- Max Uptilt of 110 degrees
- Adjustable in 5 degree increments

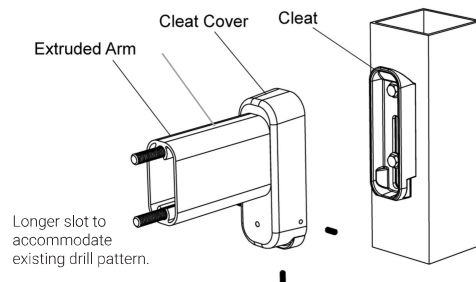
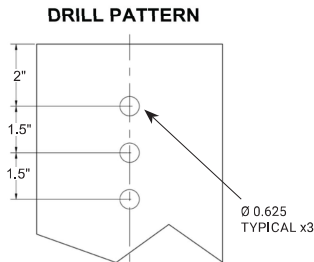


PRODUCT SPECIFICATIONS

Optional Cast Aluminum Bracket designed for quick mounting on Direct Square or Round Poles. Cleat mounts directly to pole for easily hung fixtures.

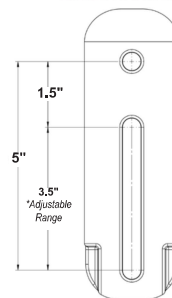


**QUICK MOUNT BRACKET (QMB)
DIRECT POLE (DP6/DP10)**

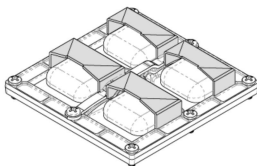


RETROFIT QUICK MOUNT BRACKET (RQMB)

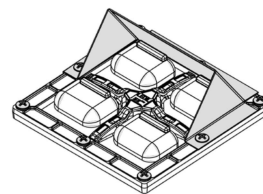
RQMB DRILL PATTERN



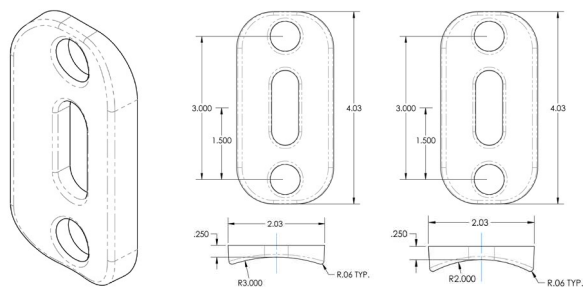
HOUSE SIDE SHIELD



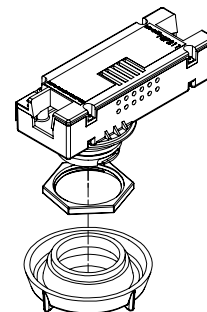
AUTOMOTIVE HOUSE SIDE SHIELD



RPA4 / RPA5



FSP-211



FORM AND FUNCTION

- Sleek, low profile housing
- Engineered for optimum thermal management
- Low depreciation rate
- Optical system designed for:
 - Parking Lots
 - Commercial Applications

CONSTRUCTION

- Die Formed heavy duty Aluminum
- Corrosion resistant external hardware
- One-piece silicone gasket ensures IP-65 seal for electronics compartment
- Two-piece silicone Micro Optic system ensures IP-67 level seal around each PCB

BUY AMERICAN

To ensure the latest BAA/TAA/BABA Standards are being met, please select BAA, TAA, or BABA in the options section. Please contact the factory before placing an order for any NLS products requesting BAA (Buy American Act), TAA (Trade American Act), or BABA (Build America, Buy America).



LED WATTAGE CHART

	32L	48L	64L
700 milliamps	71w	104w	136w
1050 milliamps	106w	156w	205w

Project Name:

Type:

Cat#	Light Dist.	# of LEDs	Milliamps	Kelvin	Volts	Mounting	Color	Options
Value Series Square 1 (VSS-1)	Type 2 (T2) Type 3 (T3) Type 4 (T4) Type 5 (T5)	32 (32L) 48 (48L) 64 (64L)	700 (7) 1050 (1)	Amber 585-600nm (AMBER) ① ② 2700K, 70 CRI (27K7) ③ 2700K, 80 CRI (27K8) ① ③ 3000K, 70 CRI (30K7) ③ 3000K, 80 CRI (30K8) ① ③ 3500K, 80 CRI (35K8) 4000K, 70 CRI (40K7) 4000K, 80 CRI (40K8) ① 5000K, 70 CRI (50K7) 5000K, 80 CRI (50K8) ①	120-277 (UNV) 347-480 (HV)	Direct Pole 6" Arm Single, DT80 (DPS6) ④ Direct Pole 10" Arm D90, T90, T120, Quad (DPS10) ④ Knuckle Mount (KM) Wall Mount (WM) ④ Tennis Arm (TA)	Bronze Textured (BRZ) White Textured (WHT) Smooth White Gloss (SWT) Silver (SVR) Black Textured (BLK) Smooth Black Gloss (SBK) Graphite Textured (GPH) Grey Textured (GRY) Custom (CS)	Bird Spikes (BS) Marine Grade Finish (MGF) Photocell (PC) ④ Nema 7-Pin Receptacle (PE7) Photocell + Receptacle (PCR) Receptacle + Shorting Cap (PER) FSP-211 with Motion Sensor (FSP-8) ④ 8' + Below (FSP-20) ④ 9'-20' Heights (FSP-40) ④ 21'-40' Heights Quick Mount Bracket (QMB) Retrofit Mount Bracket (RQMB) Round Pole Adaptor 3"- 4" Pole (RPA4) Round Pole Adaptor 5"- 6" Pole (RPA5) Rotated Optic Left (ROL) Rotated Optic Right (ROR) Automotive House Side Shield (AHS) House Side Shield (HSS) Buy American (BAA) ⑤ Trade American (TAA) ⑤ Build America Buy American (BABA) ⑤ Custom Controls Integration (CCI) ⑤

Notes:

- ① Consult Factory for Lead Time. Consult Factory for 90 CRI Requests.
- ② For Round Pole Specify RPA4 or RPA5
- ③ Includes 6" Bolt On Arm
- ④ Universal Voltage 120-277
- ⑤ 3000K or lower must be selected to meet International Dark Sky Association certification
- ⑥ Please contact Factory for Custom Control Integration requests (nLight, NX, WaveLinX, Crestron, DMX/RDM, Synapse, Casambi, Dali II, Avi-On, or other control systems)
- ⑦ Turtle Safe
- ⑧ Consult factory for all BAA/TAA/BABA requests

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 IP-65 compartment
- CRI 70, 80 or 90
- Color temperatures: Amber, 2700K, 3000K, 3500K, 4000K, 5000K
- Surge Protection: 20KA supplies as standard.

OPTIONS

- **BIRD SPIKES (BS)**—Offers effective and humane deterrent for larger bird species and provides cost-effective long-term solution to nuisance bird infestations and protect your property.
- **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
 - Powder coated 3-5 mils of Zinc Rich Super Durable Polyester Primer.
 - 1-2 feet inside pole coverage top and bottom.
 - Oven Baked.
 - Finished Powder Coating of Super Durable Polyester Powder Coat 3-5 mil thickness.
- **SHIELDS (HSS, AHS)**—House Side Shield (HSS) is designed for full property line cut-off. Automotive House Side Shield (AHS) is a single-sided shield allowing partial cut-off on either side or front of luminaire.
- **ROUND POLE ADAPTER (RPA)**— When using round poles, specify Round Pole Adapter (RPA). Specify RPA4 when installing on 3"-4" round poles, and RPA5 when installing on 5"-6" round poles.

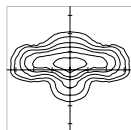
CONTROLS

- **FSP-211 (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.
- **NEMA 7-PIN RECEPTACLE (PE7)**—An ANSI C136.41-2013 receptacle provides electrical and mechanical interconnection between photo control cell and luminaire. Dimming receptacle available two or four dimming contacts supports 0-10 VDC dimming methods or Digital Addressable Lighting Interface (DALI), providing reliable power interconnect.
- Controls Agnostic: Please contact factory for your preferred controls option. (nLight, NX, WaveLinX, Crestron, DMX/RDM, Synapse, Casambi, DALI II, Av-On, or other control systems)

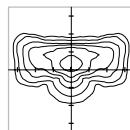
OPTICS

Silicone optics high photothermal stability and light output provides higher powered LEDs with minimized lumen depreciation LED life. UV and thermal stability with scratch resistance increases exterior application durability.

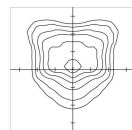
- IES Types



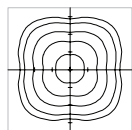
TYPE II (T2)



TYPE III (T3)



TYPE IV (T4)



TYPE V (T5)

FINISH

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

WARRANTY

Five-year limited warranty for drivers and LEDs.

LISTINGS

- Certified to UL 1598
- CSA C22.2 No. 250.0
- IP65/ IP67 Rated
- Dark Sky Approved
- IK10 Rated

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://nslighting.com/wp-content/uploads/cs/NLS_BuyAmerica\(n\).pdf](https://nslighting.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, typical or prorated values when measured under internal and external laboratory conditions.



701 Kingshill Place, Carson, CA 90746
Call Us Today (310) 341-2037

nslighting.com

PRODUCT SPECIFICATIONS

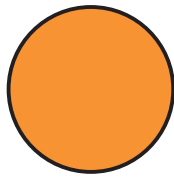
LUMENS

PART NUMBER	T2	LM/W	BUG	T3 HSS	LM/W	BUG	T3	LM/W	BUG	T4 AHS	LM/W	T4 HSS	LM/W	BUG	T4	LM/W	BUG	T5	LM/W	BUG	Watts
VSS-1-32L-7-30K7	7384	104	B1-U0-G1	4118	58	B0-U0-G1	7242	102	B2-U0-G2	5112	72	4047	57	B0-U0-G1	7668	108	B2-U0-G2	8179	115	B3-U0-G2	71
VSS-1-32L-7-40K7	8023	113	B2-U0-G2	4402	62	B0-U0-G1	7952	112	B2-U0-G2	5396	76	4331	61	B0-U0-G1	8307	117	B2-U0-G2	8946	126	B3-U0-G2	71
VSS-1-32L-7-50K7	8662	122	B2-U0-G2	4686	66	B0-U0-G1	8520	120	B2-U0-G2	5680	80	4615	65	B0-U0-G2	8946	126	B2-U0-G2	9585	135	B3-U0-G2	71
VSS-1-32L-1-30K7	10706	101	B2-U0-G2	6148	58	B0-U0-G2	10600	100	B2-U0-G2	7632	72	6042	57	B0-U0-G2	10812	102	B2-U0-G2	11125	105	B4-U0-G2	106
VSS-1-32L-1-40K7	11660	110	B2-U0-G2	6572	62	B0-U0-G2	11554	109	B2-U0-G2	8056	76	6466	61	B0-U0-G2	11766	111	B2-U0-G2	12190	115	B4-U0-G2	106
VSS-1-32L-1-50K7	12508	118	B2-U0-G2	6996	66	B0-U0-G2	12402	117	B2-U0-G2	8480	80	6890	65	B0-U0-G2	12508	118	B2-U0-G2	13144	124	B4-U0-G2	106
VSS-1-48L-7-30K7	10816	104	B2-U0-G2	6032	58	B0-U0-G2	10712	103	B2-U0-G2	7488	72	5928	57	B0-U0-G2	11232	108	B2-U0-G2	12272	118	B4-U0-G2	104
VSS-1-48L-7-40K7	11752	113	B2-U0-G2	6448	62	B0-U0-G2	11648	112	B2-U0-G2	7904	76	6344	61	B0-U0-G2	12168	117	B2-U0-G2	13312	128	B4-U0-G2	104
VSS-1-48L-7-50K7	12688	122	B2-U0-G2	6864	66	B0-U0-G2	12480	120	B2-U0-G2	8320	80	6760	65	B0-U0-G2	13104	126	B3-U0-G3	14248	137	B4-U0-G2	104
VSS-1-48L-1-30K7	16559	106	B3-U0-G3	9048	58	B0-U0-G2	15756	101	B3-U0-G3	11232	72	8892	57	B1-U0-G2	15912	102	B3-U0-G3	16536	106	B4-U0-G2	156
VSS-1-48L-1-40K7	17160	110	B3-U0-G3	9672	62	B1-U0-G2	17004	109	B3-U0-G3	11856	76	9516	61	B1-U0-G2	17316	111	B3-U0-G3	17940	115	B4-U0-G2	156
VSS-1-48L-1-50K7	18408	118	B3-U0-G3	10296	66	B1-U0-G2	18252	117	B3-U0-G3	12480	80	10140	65	B1-U0-G2	18408	118	B3-U0-G3	19188	123	B4-U0-G2	156
VSS-1-64L-7-30K7	14144	104	B2-U0-G2	7888	58	B0-U0-G2	13736	101	B3-U0-G3	9792	72	7752	57	B0-U0-G2	14688	108	B3-U0-G3	16048	118	B4-U0-G2	136
VSS-1-64L-7-40K7	15368	113	B3-U0-G3	8432	62	B0-U0-G2	14824	109	B3-U0-G3	10336	76	8296	61	B1-U0-G2	15912	117	B3-U0-G3	17408	128	B4-U0-G2	136
VSS-1-64L-7-50K7	16592	122	B3-U0-G3	8976	66	B0-U0-G2	16048	118	B3-U0-G3	10880	80	8840	65	B1-U0-G2	17136	126	B3-U0-G3	18632	137	B4-U0-G2	136
VSS-1-64L-1-30K7	21730	106	B3-U0-G3	11890	58	B1-U0-G2	20705	101	B3-U0-G3	14760	72	11685	57	B1-U0-G2	20910	102	B3-U0-G3	21730	106	B5-U0-G3	205
VSS-1-64L-1-40K7	22550	110	B3-U0-G3	12710	62	B1-U0-G2	22345	109	B3-U0-G3	15580	76	12505	61	B1-U0-G3	22755	111	B3-U0-G3	23575	115	B5-U0-G3	205
VSS-1-64L-1-50K7	24190	118	B3-U0-G3	13530	66	B1-U0-G2	23780	116	B3-U0-G3	16400	80	13325	65	B1-U0-G3	24190	118	B3-U0-G4	25215	123	B5-U0-G3	205

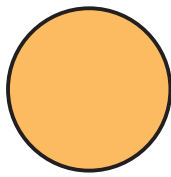
Lumen Maintenance Data

Ambient Temperature	Drive Current	L90 Hours*	L70 Hours**	30,000 Hours*	50,000 Hours*	60,000 Hours*	100,000 Hours**
25°C	Up to 700mA	58,000	173,000	95.7%	91.6%	89.6%	82.1%
	1050mA	38,000	96,000	93.0%	85.4%	81.8%	68.8%
*Reported extrapolations per IESNA TM-21				**Projected extrapolations per IESNA TM-21			

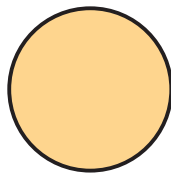
LED KELVIN RANGE



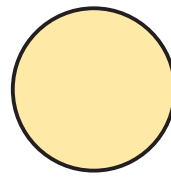
AMBER
585-600 nm



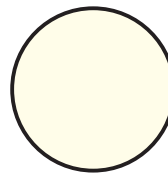
2700K 70 CRI



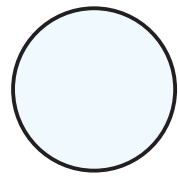
3000K 70 CRI



3500K 80 CRI



4000K 70 CRI



5000K 70 CRI

Color	Dominant or Peak Wavelength Range (nm)	
	Minimum	Maximum
Amber	585	600

PRODUCT SPECIFICATIONS

DIMENSION	VSS-1
A	17 in. SQ
B	5 in.
Weight	23 lbs

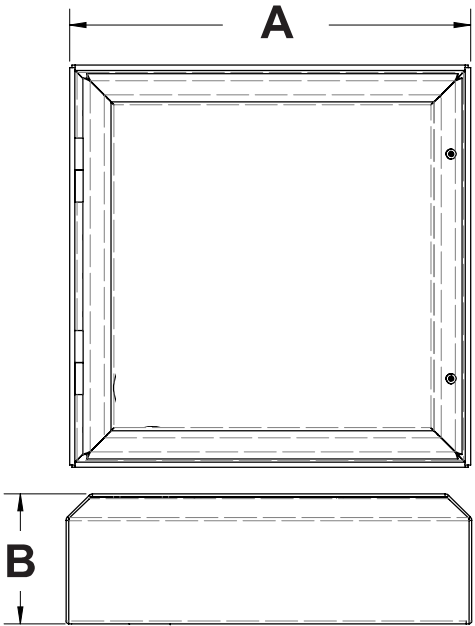
EPA

EPA	SGL	D90	D180	T90	T120	QD
VSS-1	0.90	1.52	1.80	2.34	2.43	2.34

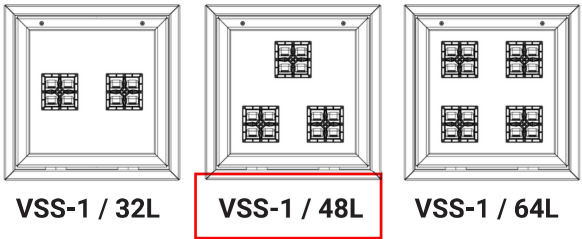
DPX ARM LENGTH

DPX ARM LENGTH	SGL	D90	D180	T90	T120	QD
VSS-1	6"	10"	6"	10"	10"	10"

6" - DPX6 | 10" - DPX10



OPTICAL CONFIGURATIONS

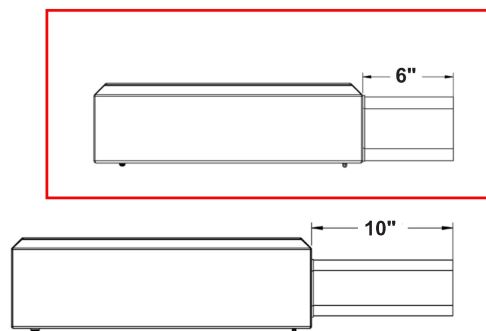


PRODUCT SPECIFICATIONS

DIRECT POLE (DP)

Standard mounting arm is extruded aluminum in lengths of 6", And 10"

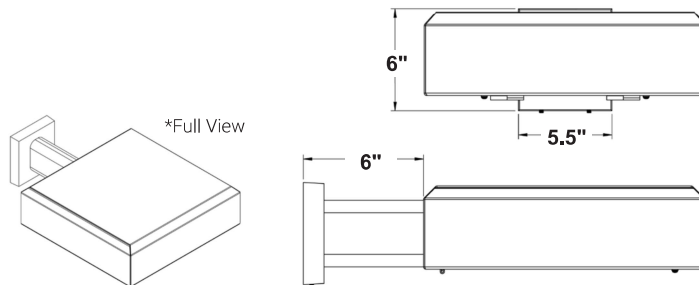
*Arm lengths may vary depending on configuration



WALL MOUNT (WM)

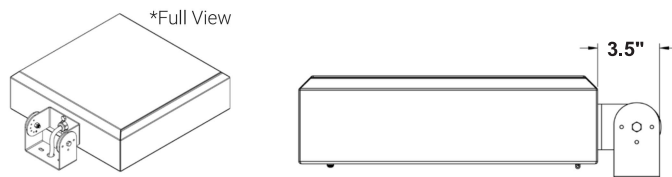
Cast Aluminum Plate for direct wall mount.

6" extruded aluminum arm mounts directly to a cast wall mount box.



TRUNNION MOUNT (TM)

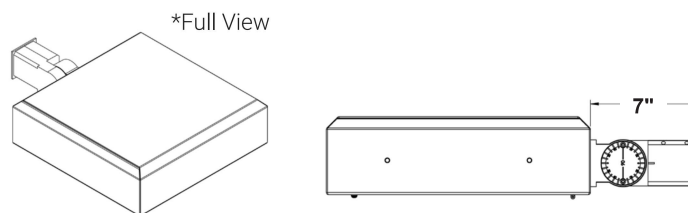
Steel bolt-on-mounting for adjustable installation with a maximum uplift of 90°.



KNUCKLE MOUNT (KM)

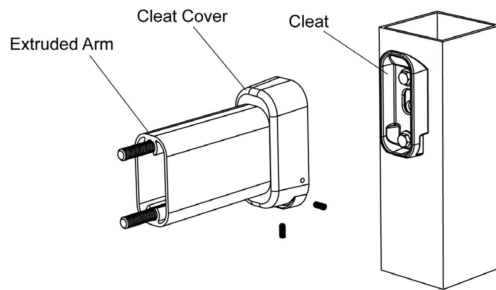
Die Cast Knuckle great for adjustable installation on 2-3/8" OD vertical or horizontal tenon.

- Max Uptilt of 110 degrees
- Adjustable in 5 degree increments

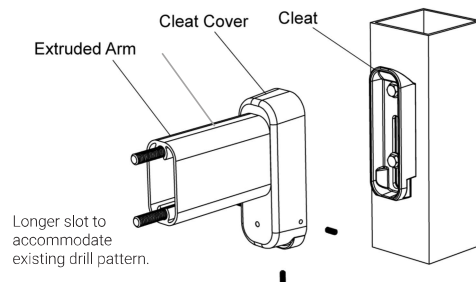
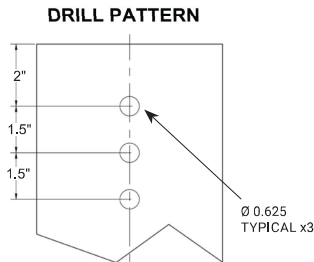


PRODUCT SPECIFICATIONS

Optional Cast Aluminum Bracket designed for quick mounting on Direct Square or Round Poles. Cleat mounts directly to pole for easily hung fixtures.

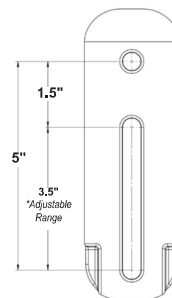


**QUICK MOUNT BRACKET (QMB)
DIRECT POLE (DP6/DP10)**

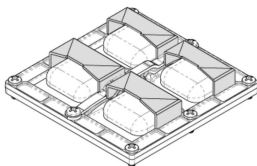


RETROFIT QUICK MOUNT BRACKET (RQMB)

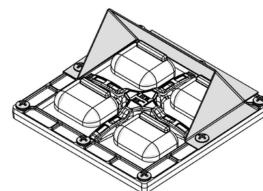
RQMB DRILL PATTERN



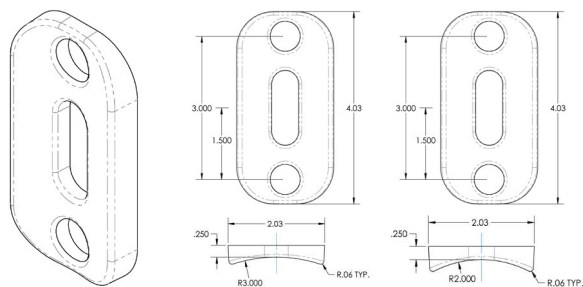
HOUSE SIDE SHIELD



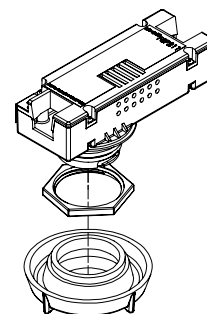
AUTOMOTIVE HOUSE SIDE SHIELD



RPA4 / RPA5



FSP-211



FORM AND FUNCTION

- Sleek, low profile housing
- Engineered for optimum thermal management
- Low depreciation rate
- Optical system designed for:
 - Parking Lots
 - Commercial Applications

CONSTRUCTION

- Die Formed heavy duty Aluminum
- Corrosion resistant external hardware
- One-piece silicone gasket ensures IP-65 seal for electronics compartment
- Two-piece silicone Micro Optic system ensures IP-67 level seal around each PCB

BUY AMERICAN

To ensure the latest BAA/TAA/BABA Standards are being met, please select BAA, TAA, or BABA in the options section. Please contact the factory before placing an order for any NLS products requesting BAA (Buy American Act), TAA (Trade American Act), or BABA (Build America, Buy America).



LED WATTAGE CHART

	32L	48L	64L
700 milliamps	71w	104w	136w
1050 milliamps	106w	156w	205w

Project Name:

Type:

Cat#	Light Dist.	# of LEDs	Milliamps	Kelvin	Volts	Mounting	Color	Options
Value Series Square 1 (VSS-1)	Type 2 (T2) Type 3 (T3) Type 4 (T4) Type 5 (T5)	32 (32L) 48 (48L) 64 (64L)	700 (7) 1050 (1)	Amber 585-600nm (AMBER) ① 2700K, 70 CRI (27K7) ② 2700K, 80 CRI (27K8) ① ② 3000K, 70 CRI (30K7) ③ 3000K, 80 CRI (30K8) ① ③ 3500K, 80 CRI (35K8) 4000K, 70 CRI (40K7) 4000K, 80 CRI (40K8) ④ 5000K, 70 CRI (50K7) 5000K, 80 CRI (50K8) ④	120-277 (UNV) 347-480 (HV)	Direct Pole 6" Arm Single, D100 (DPS6) ⑤ Direct Pole 10" Arm D90, T90, T120, Quad (DPS10) ⑤ Knuckle Mount (KM) Wall Mount (WM) ⑤ Tennis Arm (TA)	Bronze Textured (BRZ) White Textured (WHT) Smooth White Gloss (SWT) Silver (SVR) Black Textured (BLK) Smooth Black Gloss (SBK) Graphite Textured (GPH) Grey Textured (GRY) Custom (CS)	Bird Spikes (BS) Marine Grade Finish (MGF) Photocell (PC) ⑥ Nema 7-Pin Receptacle (PE7) Photocell + Receptacle (PCR) Receptacle + Shorting Cap (PER) FSP-211 with Motion Sensor (FSP-8) ⑦ 8' + Below (FSP-20) ⑦ 9'-20' Heights (FSP-40) ⑦ 21'-40' Heights Quick Mount Bracket (QMB) Retrofit Mount Bracket (RQMB) Round Pole Adaptor 3"- 4" Pole (RPA4) Round Pole Adaptor 5"- 6" Pole (RPA5) Rotated Optic Left (ROL) Rotated Optic Right (ROR) Automotive House Side Shield (AHS) House Side Shield (HSS) Buy American (BAA) ⑧ Trade American (TAA) ⑧ Build America Buy American (BABA) ⑧ Custom Controls Integration (CCI) ⑧

Notes:

- ① Consult Factory for Lead Time. Consult Factory for 90 CRI Requests.
- ② For Round Pole Specify RPA4 or RPA5
- ③ Includes 6" Bolt On Arm
- ④ Universal Voltage 120-277
- ⑤ 3000K or lower must be selected to meet International Dark Sky Association certification
- ⑥ Please contact Factory for Custom Control Integration requests (nLight, NX, WaveLinX, Crestron, DMX/RDM, Synapse, Casambi, Dali II, Avi-On, or other control systems)
- ⑦ Turtle Safe
- ⑧ Consult factory for all BAA/TAA/BABA requests

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 IP-65 compartment
- CRI 70, 80 or 90
- Color temperatures: Amber, 2700K, 3000K, 3500K, 4000K, 5000K
- Surge Protection: 20KA supplies as standard.

OPTIONS

- **BIRD SPIKES (BS)**—Offers effective and humane deterrent for larger bird species and provides cost-effective long-term solution to nuisance bird infestations and protect your property.
- **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
 - Powder coated 3-5 mils of Zinc Rich Super Durable Polyester Primer.
 - 1-2 feet inside pole coverage top and bottom.
 - Oven Baked.
 - Finished Powder Coating of Super Durable Polyester Powder Coat 3-5 mil thickness.
- **SHIELDS (HSS, AHS)**—House Side Shield (HSS) is designed for full property line cut-off. Automotive House Side Shield (AHS) is a single-sided shield allowing partial cut-off on either side or front of luminaire.
- **ROUND POLE ADAPTER (RPA)**—When using round poles, specify Round Pole Adapter (RPA). Specify RPA4 when installing on 3"-4" round poles, and RPA5 when installing on 5"-6" round poles.

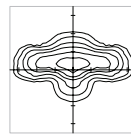
CONTROLS

- **FSP-211 (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.
- **NEMA 7-PIN RECEPTACLE (PE7)**—An ANSI C136.41-2013 receptacle provides electrical and mechanical interconnection between photo control cell and luminaire. Dimming receptacle available two or four dimming contacts supports 0-10 VDC dimming methods or Digital Addressable Lighting Interface (DALI), providing reliable power interconnect.
- Controls Agnostic: Please contact factory for your preferred controls option. (nLight, NX, WaveLinx, Crestron, DMX/RDM, Synapse, Casambi, DALI II, Av-On, or other control systems)

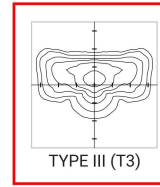
OPTICS

Silicone optics high photothermal stability and light output provides higher powered LEDs with minimized lumen depreciation LED life. UV and thermal stability with scratch resistance increases exterior application durability.

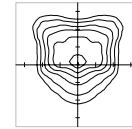
- IES Types



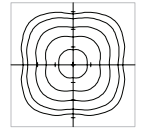
TYPE II (T2)



TYPE III (T3)



TYPE IV (T4)



TYPE V (T5)

FINISH

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

WARRANTY

Five-year limited warranty for drivers and LEDs.

LISTINGS

- Certified to UL 1598
- CSA C22.2 No. 250.0
- IP65/ IP67 Rated
- Dark Sky Approved
- IK10 Rated

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://nslighting.com/wp-content/uploads/cs/NLS_BuyAmerica\(n\).pdf](https://nslighting.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, typical or prorated values when measured under internal and external laboratory conditions.



701 Kingshill Place, Carson, CA 90746
Call Us Today (310) 341-2037

nslighting.com

PRODUCT SPECIFICATIONS

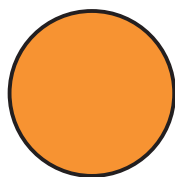
LUMENS

PART NUMBER	T2	LM/W	BUG	T3 HSS	LM/W	BUG	T3	LM/W	BUG	T4 AHS	LM/W	T4 HSS	LM/W	BUG	T4	LM/W	BUG	T5	LM/W	BUG	Watts
VSS-1-32L-7-30K7	7384	104	B1-U0-G1	4118	58	B0-U0-G1	7242	102	B2-U0-G2	5112	72	4047	57	B0-U0-G1	7668	108	B2-U0-G2	8179	115	B3-U0-G2	71
VSS-1-32L-7-40K7	8023	113	B2-U0-G2	4402	62	B0-U0-G1	7952	112	B2-U0-G2	5396	76	4331	61	B0-U0-G1	8307	117	B2-U0-G2	8946	126	B3-U0-G2	71
VSS-1-32L-7-50K7	8662	122	B2-U0-G2	4686	66	B0-U0-G1	8520	120	B2-U0-G2	5680	80	4615	65	B0-U0-G2	8946	126	B2-U0-G2	9585	135	B3-U0-G2	71
VSS-1-32L-1-30K7	10706	101	B2-U0-G2	6148	58	B0-U0-G2	10600	100	B2-U0-G2	7632	72	6042	57	B0-U0-G2	10812	102	B2-U0-G2	11125	105	B4-U0-G2	106
VSS-1-32L-1-40K7	11660	110	B2-U0-G2	6572	62	B0-U0-G2	11554	109	B2-U0-G2	8056	76	6466	61	B0-U0-G2	11766	111	B2-U0-G2	12190	115	B4-U0-G2	106
VSS-1-32L-1-50K7	12508	118	B2-U0-G2	6996	66	B0-U0-G2	12402	117	B2-U0-G2	8480	80	6890	65	B0-U0-G2	12508	118	B2-U0-G2	13144	124	B4-U0-G2	106
VSS-1-48L-7-30K7	10816	104	B2-U0-G2	6032	58	B0-U0-G2	10712	103	B2-U0-G2	7488	72	5928	57	B0-U0-G2	11232	108	B2-U0-G2	12272	118	B4-U0-G2	104
VSS-1-48L-7-40K7	11752	113	B2-U0-G2	6448	62	B0-U0-G2	11648	112	B2-U0-G2	7904	76	6344	61	B0-U0-G2	12168	117	B2-U0-G2	13312	128	B4-U0-G2	104
VSS-1-48L-7-50K7	12688	122	B2-U0-G2	6864	66	B0-U0-G2	12480	120	B2-U0-G2	8320	80	6760	65	B0-U0-G2	13104	126	B3-U0-G3	14248	137	B4-U0-G2	104
VSS-1-48L-1-30K7	16559	106	B3-U0-G3	9048	58	B0-U0-G2	15756	101	B3-U0-G3	11232	72	8892	57	B1-U0-G2	15912	102	B3-U0-G3	16536	106	B4-U0-G2	156
VSS-1-48L-1-40K7	17160	110	B3-U0-G3	9672	62	B1-U0-G2	17004	109	B3-U0-G3	11856	76	9516	61	B1-U0-G2	17316	111	B3-U0-G3	17940	115	B4-U0-G2	156
VSS-1-48L-1-50K7	18408	118	B3-U0-G3	10296	66	B1-U0-G2	18252	117	B3-U0-G3	12480	80	10140	65	B1-U0-G2	18408	118	B3-U0-G3	19188	123	B4-U0-G2	156
VSS-1-64L-7-30K7	14144	104	B2-U0-G2	7888	58	B0-U0-G2	13736	101	B3-U0-G3	9792	72	7752	57	B0-U0-G2	14688	108	B3-U0-G3	16048	118	B4-U0-G2	136
VSS-1-64L-7-40K7	15368	113	B3-U0-G3	8432	62	B0-U0-G2	14824	109	B3-U0-G3	10336	76	8296	61	B1-U0-G2	15912	117	B3-U0-G3	17408	128	B4-U0-G2	136
VSS-1-64L-7-50K7	16592	122	B3-U0-G3	8976	66	B0-U0-G2	16048	118	B3-U0-G3	10880	80	8840	65	B1-U0-G2	17136	126	B3-U0-G3	18632	137	B4-U0-G2	136
VSS-1-64L-1-30K7	21730	106	B3-U0-G3	11890	58	B1-U0-G2	20705	101	B3-U0-G3	14760	72	11685	57	B1-U0-G2	20910	102	B3-U0-G3	21730	106	B5-U0-G3	205
VSS-1-64L-1-40K7	22550	110	B3-U0-G3	12710	62	B1-U0-G2	22345	109	B3-U0-G3	15580	76	12505	61	B1-U0-G3	22755	111	B3-U0-G3	23575	115	B5-U0-G3	205
VSS-1-64L-1-50K7	24190	118	B3-U0-G3	13530	66	B1-U0-G2	23780	116	B3-U0-G3	16400	80	13325	65	B1-U0-G3	24190	118	B3-U0-G4	25215	123	B5-U0-G3	205

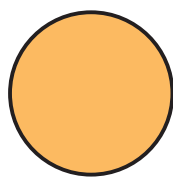
Lumen Maintenance Data

Ambient Temperature	Drive Current	L90 Hours*	L70 Hours**	30,000 Hours*	50,000 Hours*	60,000 Hours*	100,000 Hours**
25°C	Up to 700mA	58,000	173,000	95.7%	91.6%	89.6%	82.1%
	1050mA	38,000	96,000	93.0%	85.4%	81.8%	68.8%
*Reported extrapolations per IESNA TM-21				**Projected extrapolations per IESNA TM-21			

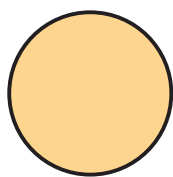
LED KELVIN RANGE



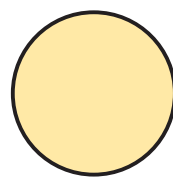
AMBER
585-600 nm



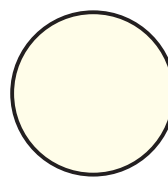
2700K 70 CRI



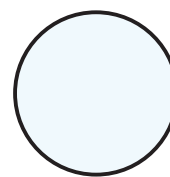
3000K 70 CRI



3500K 80 CRI



4000K 70 CRI



5000K 70 CRI

Color	Dominant or Peak Wavelength Range (nm)	
	Minimum	Maximum
Amber	585	600

PRODUCT SPECIFICATIONS

DIMENSION	VSS-1
A	17 in. SQ
B	5 in.
Weight	23 lbs

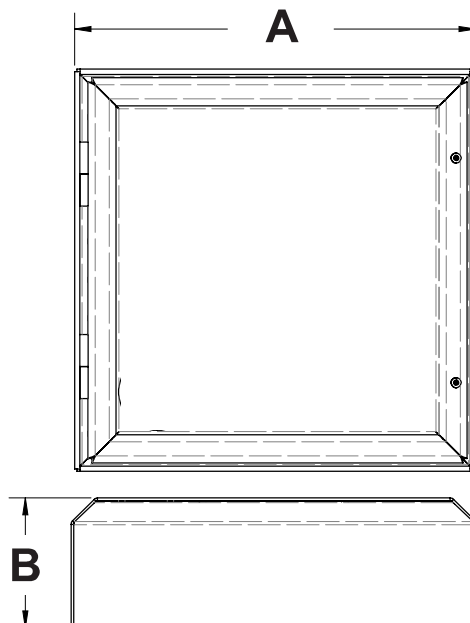
EPA

EPA	SGL	D90	D180	T90	T120	QD
VSS-1	0.90	1.52	1.80	2.34	2.43	2.34

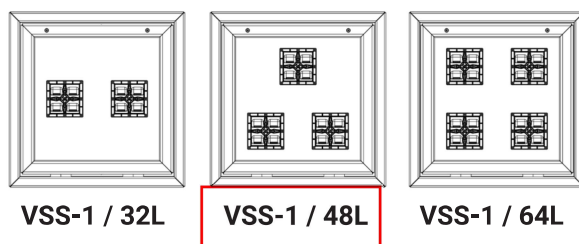
DPX ARM LENGTH

DPX ARM LENGTH	SGL	D90	D180	T90	T120	QD
VSS-1	6"	10"	6"	10"	10"	10"

6" - DPX6 | 10" - DPX10



OPTICAL CONFIGURATIONS

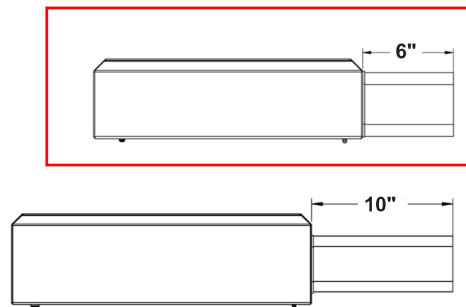


PRODUCT SPECIFICATIONS

DIRECT POLE (DP)

Standard mounting arm is extruded aluminum in lengths of 6", And 10"

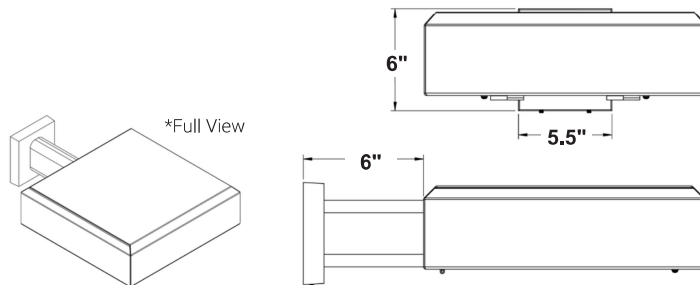
*Arm lengths may vary depending on configuration



WALL MOUNT (WM)

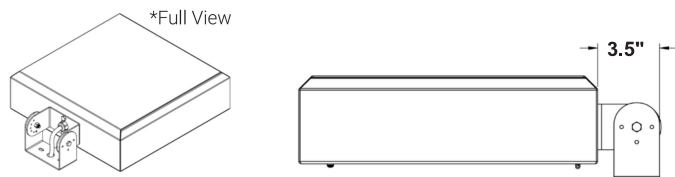
Cast Aluminum Plate for direct wall mount.

6" extruded aluminum arm mounts directly to a cast wall mount box.



TRUNNION MOUNT (TM)

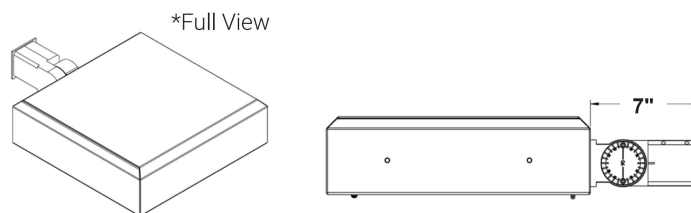
Steel bolt-on-mounting for adjustable installation with a maximum uplift of 90°.



KNUCKLE MOUNT (KM)

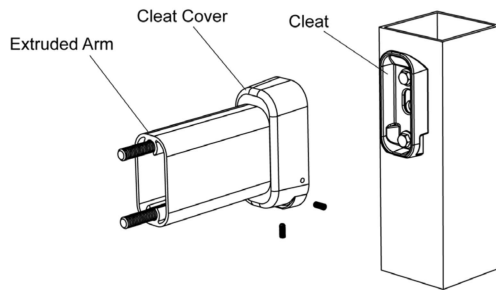
Die Cast Knuckle great for adjustable installation on 2-3/8" OD vertical or horizontal tenon.

- Max Uptilt of 110 degrees
- Adjustable in 5 degree increments



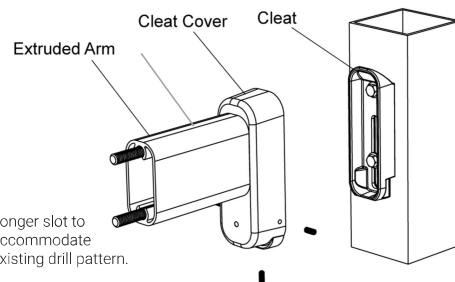
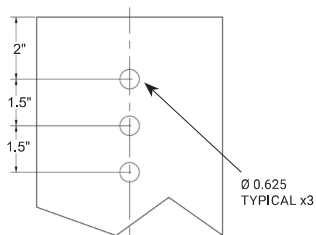
PRODUCT SPECIFICATIONS

Optional Cast Aluminum Bracket designed for quick mounting on Direct Square or Round Poles. Cleat mounts directly to pole for easily hung fixtures.



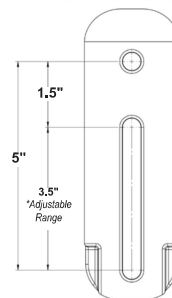
**QUICK MOUNT BRACKET (QMB)
DIRECT POLE (DP6/DP10)**

DRILL PATTERN

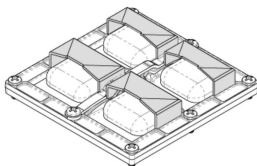


RETROFIT QUICK MOUNT BRACKET (RQMB)

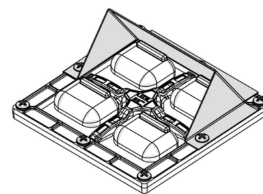
RQMB DRILL PATTERN



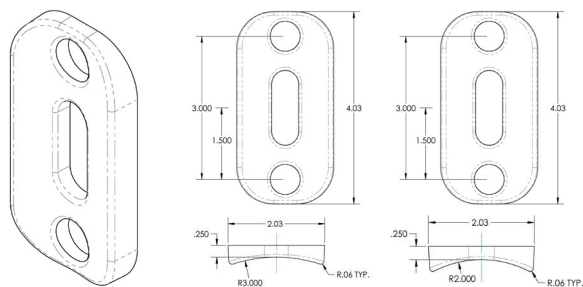
HOUSE SIDE SHIELD



AUTOMOTIVE HOUSE SIDE SHIELD



RPA4 / RPA5



FSP-211

