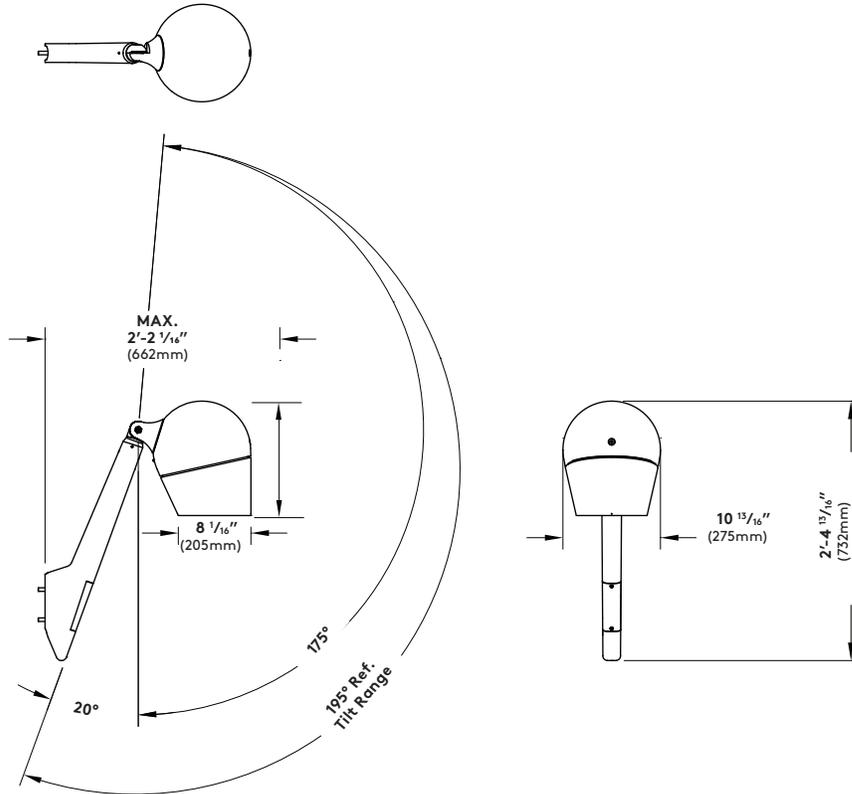


Olivio Grande LED - Sistema Arm Mount

OLGL-SS1



Specifications

- 1. Luminaire Housing** - Two-piece high-pressure die-cast housing, made of low-copper aluminum alloy. Single recessed captive screw allows easy access to light engine & gear tray components.
- 2. Gasketing** - (not shown) UV and ozone-resistant, silicone gasket between fixture housing and lens base provide IP67 level ingress protection. IP rated micro-membrane ensures pressure compensation.
- 3. Lens** - (not shown) Tempered clear glass lens.
- 4. LED Light Engine** - (not shown) made from high flux COB and vacuum metalized aluminum reflectors. Selux is using brand name LED manufacturers. Available in 3000K and 4000K, CRI minimum 80. Reflectors made from high purity aluminum to ensure high efficiencies throughout lifetime. Complete light engine can be removed easily for future up-grade. LED light engine provides a reported lumen maintenance of 84.3% at 60,000 hours. L70 calculated greater than 60,000 hours.
- 5. LED Driver** - (not shown) Selux uses brand name high efficiency LED drivers. LEDs are driven by RoHS compliant high-efficiency driver. Excellent for cold temperature starting and instant on. Min. operating temperature -40°C/ -40°F.
- 6. Surge Protector** - (not shown) Designed to protect luminaire from electrical surge up to 20kA.

- 7. Arm** - 70 degree cast aluminum mounting arms for flexible pole mounting. Fixture head joint provides tilt-swivel range from 0° to 175°, and 360° rotation. Locks down with set screws.
- 8. Rivnuts** - (not shown) (2) Two rivnuts required per Fixture Arm and installed by manufacturer.
- 9. Power Cord** - (not shown) Pre-installed at factory and hidden through the luminaire hinge and hinge arm. Power cords are specified to fit the length of the pole specified with the luminaire.

Exterior Luminaire Finish - Selux utilizes a high quality Polyester Powder Coating. All Selux luminaires and poles are finished in our Tiger Drylac certified facility and undergo a five stage intensive pretreatment process where product is thoroughly cleaned, phosphated and sealed. Selux powder coated products provide excellent salt and humidity resistance as well as ultraviolet resistance for color retention. All products are tested in accordance with test specifications for coatings from ASTM and PCI. Standard exterior colors are White (WH), Black (BK), Semi-Matte Black (BL), Bronze (BZ), and Silver (SV). Selux premium colors (SP) are available, please specify from your Selux color selection guide.

5 Year Limited LED Luminaire Warranty - Selux offers a 5 Year Limited Warranty to the original purchaser that the Olivo LED luminaire shall be free from defects in material and workmanship for up to five (5) years from date of shipment. This limited warranty covers the LED driver and LED Light engine when installed and operated according to Selux instructions. For details, see "Selux Terms and Condition of Sale."

Listings and Ratings: Luminaire and LED tested to IP67 and IESNA LM-79-08 standards. LED tested to LM-80 standards. Luminaire and LED tested at 25°C ambient temperature.

NRTL Listed for wet location (i.e. UL, CSA)

Visit selux.us for our LED End of Life recycling policy.

For Buy American compliance on poles, please consult the factory.

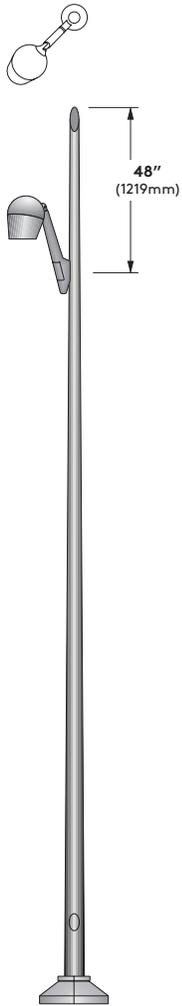
Olivio Grande LED - Sistema Arm Mount



Mounting

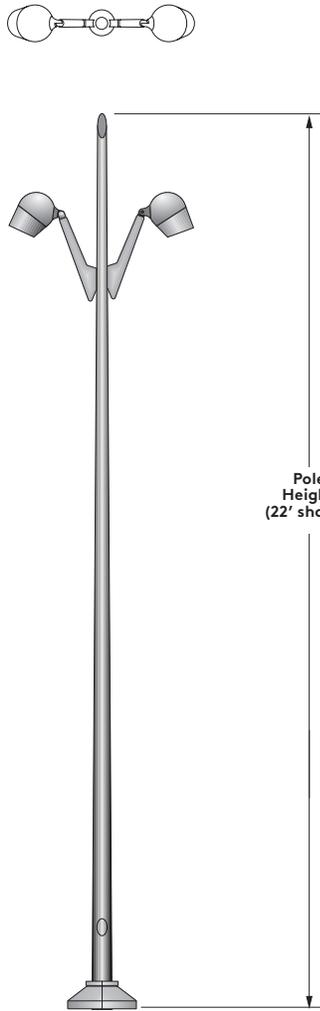
Mounting Details

Single
(Arm Location: 0D)



EPA = 1.8 ft² (0.167 m²)
Weight = 35 lbs. (16 kg)
Rivnuts = 1 pair (RN1)

Double at 180°
(Arm Locations: 0G-0S)



EPA = 3.7 ft² (0.344 m²)
Weight = 70 lbs. (32 kg)
Rivnuts = 2 pair (RN2)

Double at 90°
(Arm Locations: 0D-0V)



EPA = 3.7 ft² (0.344 m²)
Weight = 70 lbs. (32 kg)
Rivnuts = 2 pair (RN2)

Olivio Grande LED - Sistema Arm Mount

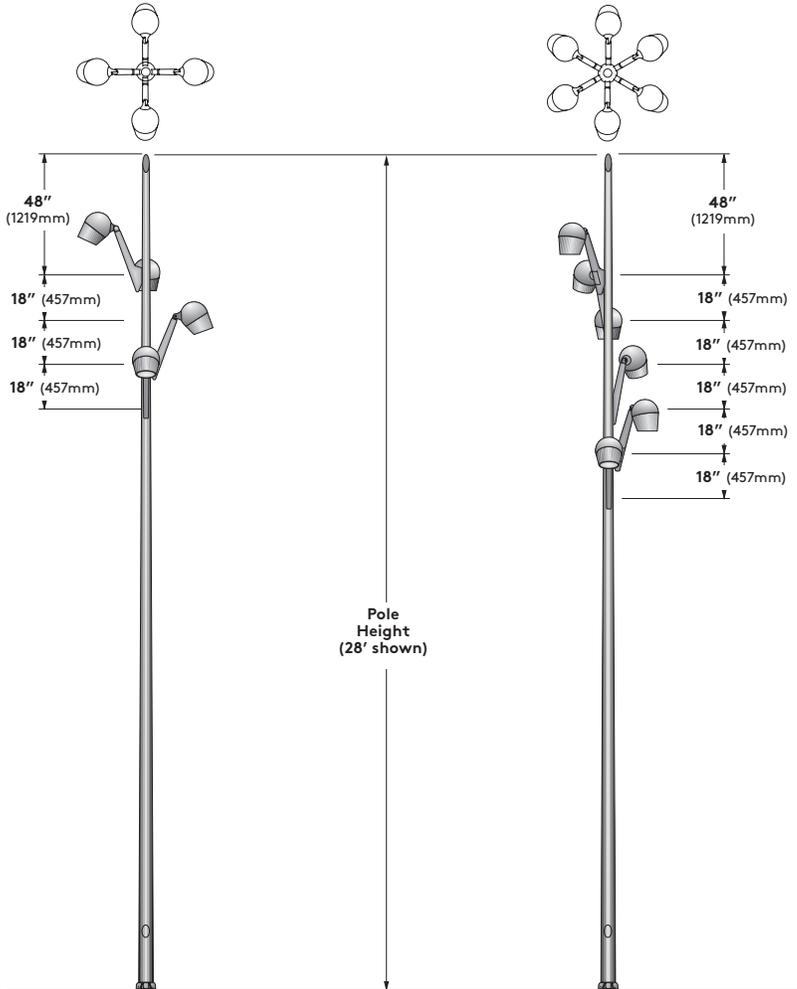


Mounting

Mounting Details

Quadruple Pole Arms stepped at 90°
 (Arm Location: 0G-1M-2S-3A)

Sextuple Pole Arms stepped at 60°
 (Arm Locations: 0E-1I-2M-3Q-4U-5A)



EPA = 7.4 ft² (0.687 m²)
 Weight = 141 lbs. (64 kg)
 Rivnuts = 4 pair (RN4)

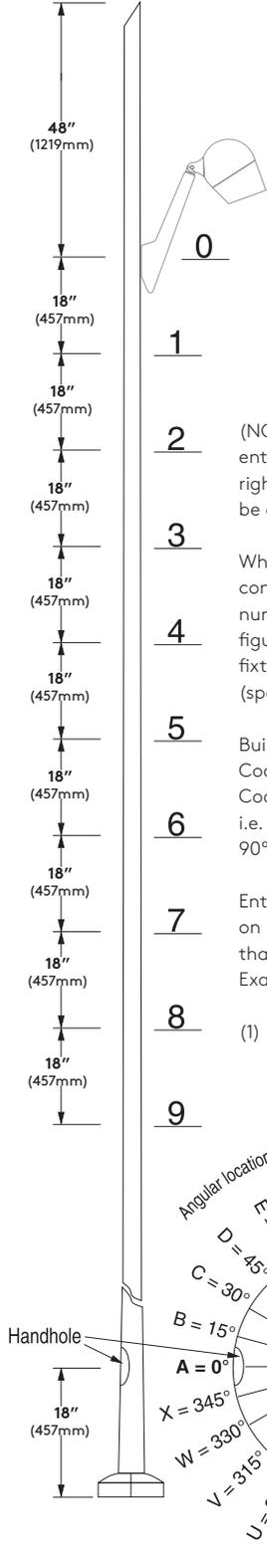
EPA = 11.1 ft² (1.03 m²)
 Weight = 211 lbs. (96 kg)
 Rivnuts = 6 pair (RN6)

Olivio Grande LED - Sistema Arm Mount



Specify Mounting Configurations

(Luminaire shown for illustrative purposes only - not to scale)



- 0
- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9

(NOTE: If using Adobe Acrobat to enter data (checks) in chart on right, the following instructions will be carried out automatically)

When specifying non-standard configurations, enter "SS+total number of arms specified)" on configuration matrix on page 1 in the fixture mounting field. Example: SS4 (specifying 4 mounting arms)

Build up the Mounting Arm Location Codes from chart on right ("Height Code" + "Angular Location Code") i.e. "3G"=8.5 feet from top of pole, 90° clockwise from handhole.

Enter Mounting Arm Location Codes on page 1 in the blanks provided that follow the Pole Option blanks. Example: 3G-3P-4A-5S

(1) Pair of Rivnuts required per arm.

HEIGHT CODE
DISTANCE FROM TOP OF POLE
CLOCKWISE FROM HANDHOLE
ANGULAR LOCATION CODE

Use check boxes provided in chart below. Columns #0 through #9 indicate heights starting with 4 feet (1219mm) below top of pole and proceeding downwards in increments of 18 inches (457mm). Rows A through X indicate angular placement around pole starting with 0° at handhole and proceeding clockwise.

NOTE: Arms mounted at same height level must be spaced apart at 90° minimum. Arms mounted at adjacent height levels (18° apart) must be space apart at 45° minimum.

	0	1	2	3	4	5	6	7	8	9
A	4'	5.5'	7'	8.5'	10'	11.5'	13'	14.5'	16'	17.5'
B										
C										
D										
E										
F										
G										
H										
I										
J										
K										
L										
M										
N										
O										
P										
Q										
R										
S										
T										
U										
V										
W										
X										

Olivio Grande LED - Sistema Arm Mount

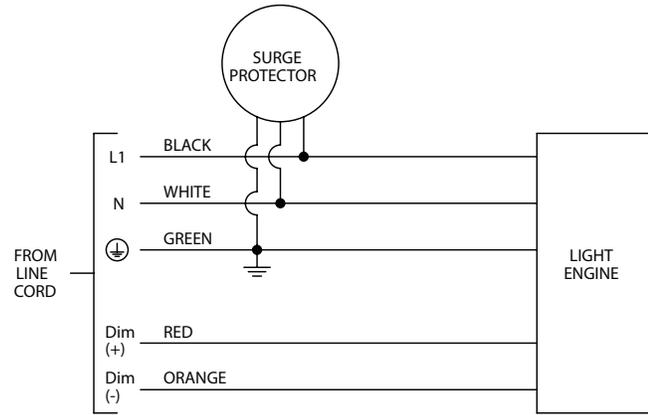
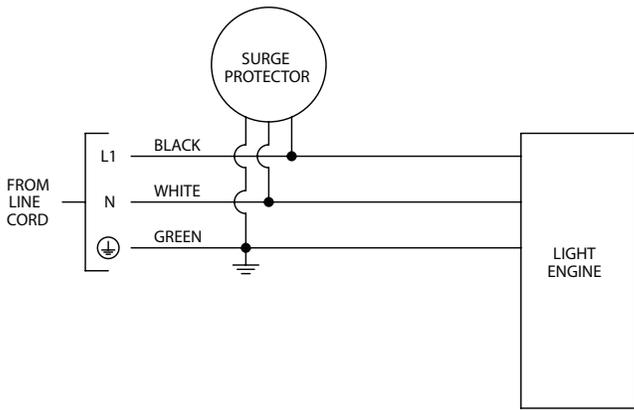


Wiring

Standard Single Wiring

0-10V Dimming Option (DM) Wiring

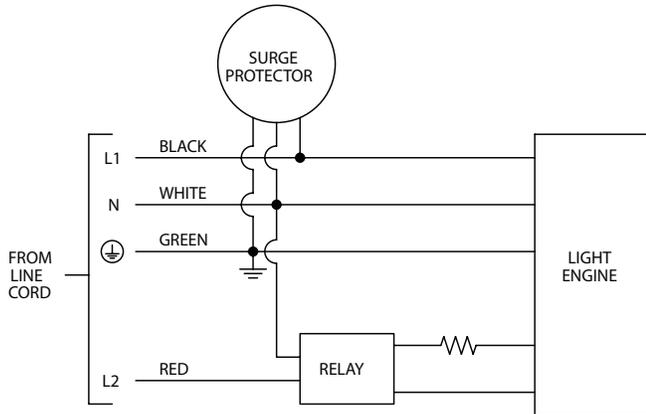
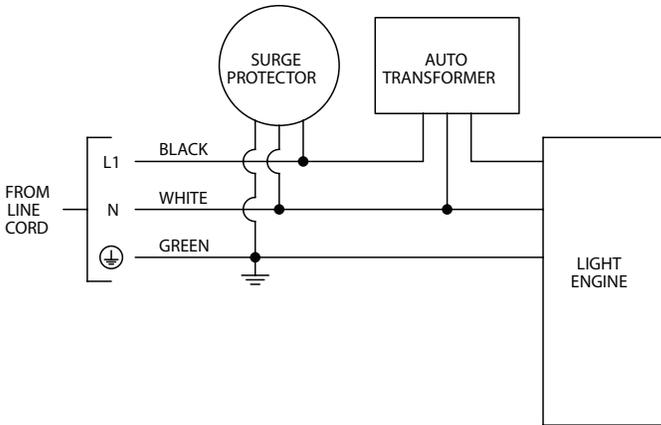
120-277V. 347V available with step-down transformer.



347V

Hi-Lo Switching Option (HL) Wiring

120V, 240V, 277V. When red is energized, light output will be at "Lo" level. Low output is 50%



	Project 21-12877-3 Date 6/25/2021 RGB/W Saturated Color	Catalog Number	Type
	Submitted By 16500, INC	FOR ABOVE 1X SET UP FEE NRE	Notes

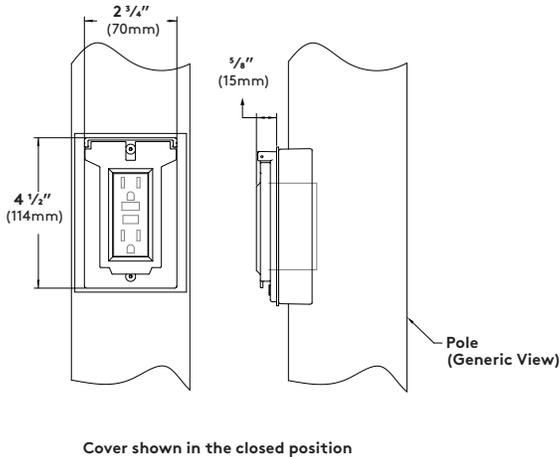
Olivio Grande LED - Sistema Arm Mount



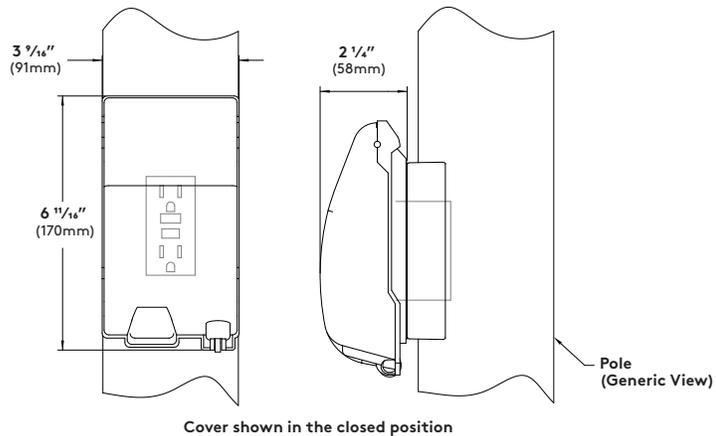
Options

Dark Sky 0° Tilt Option (DS) -Luminaire head tilt angle preset and fixed at factory to comply with IDA Dark Sky and BUG U0 ratings. IDA Dark Sky compliant with 3000K CCT only.

REC and REC3



REC2 and REC4



GFCI Receptacle (REC) - 120V 15A GFCI duplex receptacle with weatherproof, self-closing cover; located 36" (915mm) o.c from base of pole, in-line with hand hole. Receptacle is intended only for portable tools or other portable equipment to be connected to outlet only when attended by operating personnel (120V only).

GFCI Receptacle (REC2) - 120V 15A GFCI duplex receptacle with weatherproof, self-closing, padlockable in-use cover; located 36" (915mm) o.c. from base of pole, in-line with hand hole. Receptacle is intended only for portable tools or other portable equipment to be connected to outlet only when attended by operating personnel (120V only).

USB & Duplex Receptacle (REC3) (not shown) - 120V 20A duplex receptacle with USB combination ports. (1) type A and (1) type C high power 5A, 5V USB outlets. With weatherproof, self-closing cover; located 36" (915mm) o.c from base of pole, in-line with hand hole. Receptacle is intended only for portable tools or other portable equipment to be connected to outlet only when attended by operating personnel.

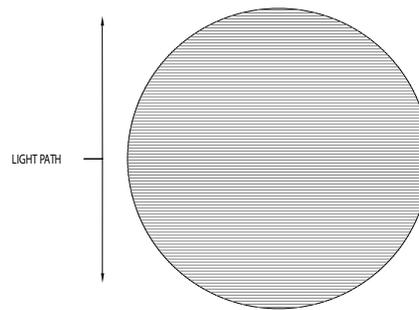
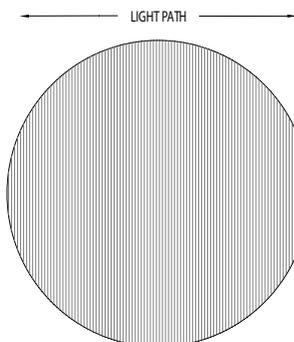
USB & Duplex Receptacle (REC4) (not shown)- 120V 20A duplex receptacle with USB combination ports. (1) type A and (1) type C high power 5A, 5V USB outlets. With weatherproof, self-closing padlockable in-use cover; located 36" (915mm) o.c from base of pole, in-line with hand hole. Receptacle is intended only for portable tools or other portable equipment to be connected to outlet only when attended by operating personnel.

REC3 does not incorporate GFCI (Ground Fault Circuit Interrupter) protection, and shall be powered by a GFCI protected branch circuit (by others).

REC4 does not incorporate GFCI (Ground Fault Circuit Interrupter) protection, and shall be powered by a GFCI protected branch circuit (by others).

Horizontal Spread Lens (SLH) - Spread lens for horizontal light distribution. Replaces clear lens and intended to be used with reflectors for S09, F40 or F80 distribution. Preset and fixed at factory.

Vertical Spread Lens (SLV) - Spread lens for vertical light distribution. Replaces clear lens and intended to be used with reflectors for S09, F40 or F80 distribution. Preset and fixed at factory.



Olivio Grande LED - Sistema Arm Mount



Pole Information

A35 Tapered Poles

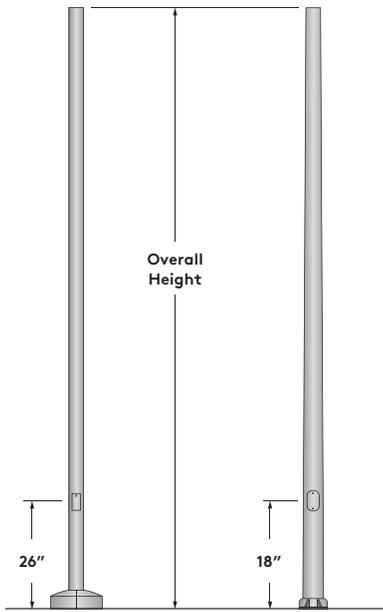
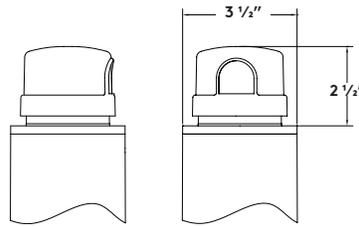


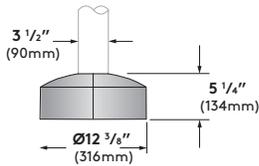
Photo Cell (PC) - Consult factory. Twist lock photocell mounted to aluminum cap which attaches to pole top or can be remotely located. Can be oriented for optimum performance. Only for flat top poles. Refer to fixture spec sheet to determine if this option is applicable.



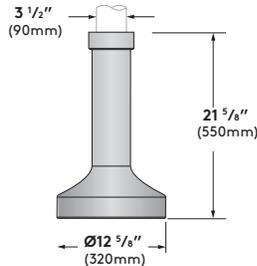
Optional Base Covers

Die cast aluminum, two piece field installable base covers

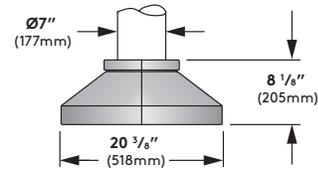
Straight Poles (O-A35-197)
BC5 Standard Base Cover
Two-piece die cast aluminum



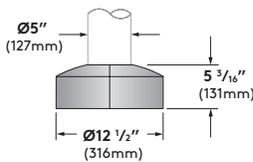
BC1 Optional Base Cover
Available for: O-A35-197
One-piece die cast aluminum



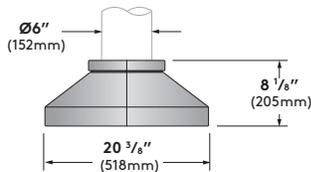
BC10 - Available for:
O-AT74-156



BC3 - Available for:
O-AT535-156
O-AT535-188



BC9 - Available for:
O-AT64-156
O-ST5936-11



	Project 21-12877-3 Date 6/25/2021 RGB/W Saturated Color	Catalog Number FOR ABOVE 1X SET UP FEE NRE	Type
	Submitted By 16500, INC	Notes	

Olivio Grande LED - Sistema Arm Mount



Pole Data Chart

Pole Series	Wall	EPA Information				Height	Finish	Rivnut Pairs	Options
		80mph	90mph	100mph	110mph				
O-AT35-197 3.5" Straight Alum Pole	0.197	7.3	5.4	4	3.1	12 12 ft.	WH White	RN1 1 Pair	BC1 Decorative Cast Aluminum Base Cover (see base cover details for pole compatibility)
O-AT535-156 5" to 3.5" Round Tapered Alum Pole	0.156	14.4	10.9	8.6	6.9		BK Black	RN2 2 Pair	
O-A35-197 3.5" Round Straight Alum Pole	0.197	5.8	4.2	3.0	2.2	14 14 ft.	BL Semi-Matte Black	RN3 3 Pair	BC3 Die-cast Two-piece Alum. Base cover (see base cover details for pole compatibility)
O-AT535-156 5" to 3.5" Round Tapered Alum Pole	0.156	9.4	7.1	5.5	4.4		BZ Bronze	RN4 4 Pair	
O-AT535-156 5" to 3.5" Round Tapered Alum Pole	0.156	7.7	5.6	4.2	3.3	16 16 ft.	SV Silver	RN5 5 Pair	BC5 Die-cast Two-piece Alum. Base cover (see base cover details for pole compatibility)
O-AT64-156 6"-4" Round Tapered Alum Pole	0.156	14.1	10.8	8.6	7.0		SP Specify Premium Color	RN6 6 Pair	
O-ST5936-11 5.9"-3.6" Tapered Steel Pole	11 ga	19.3	15.1	12.2	10.0	18 18 ft.		RN7 7 Pair	BC9 Die-cast Two-piece Alum. Base cover (see base cover details for pole compatibility)
O-AT535-188 5" to 3.5" Round Tapered Alum Pole	0.188	7.8	5.6	4.2	3.2			RN8 8 Pair	
O-AT64-156 6"-4" Round Tapered Alum Pole	0.156	11.5	8.7	6.9	5.5	20 20 ft.			BC10 Die-cast Two-piece Alum. Base cover (see base cover details for pole compatibility)
O-AT74-156 7"-4" Round Tapered Alum Pole	0.156	17.2	13.3	10.6	8.6				
O-AT535-188 5" to 3.5" Round Tapered Alum Pole	0.188	6.4	4.5	3.2	2.4	22 22 ft.			REC GFCI Receptacle with weather-proof cover
O-AT64-156 6"-4" Round Tapered Alum Pole	0.156	9.6	7.1	5.6	4.4				
O-AT74-156 7"-4" Round Tapered Alum Pole	0.156	15.0	11.4	9.0	7.3	24 24 ft.			REC2 GFCI Receptacle with padlockable in-use cover
O-AT74-156 7"-4" Round Tapered Alum Pole	0.156	12.4	9.3	7.2	5.8				
O-AT845-188 8"-4.5" Round Tapered Alum Pole	0.188	22.4	17.3	13.8	11.2	26 26 ft.			REC3 USB & Duplex Receptacle w/ weather-proof cover
O-AT74-156 7"-4" Round Tapered Alum Pole	0.156	10.3	7.6	5.8	4.6				
O-AT845-188 8"-4.5" Round Tapered Alum Pole	0.188	19.2	14.7	11.7	9.4	28 28 ft.			REC4 USB & Duplex Receptacle with weather-proof padlockable in-use cover
O-AT74-156 7"-4" Round Tapered Alum Pole	0.156	8.4	6.0	4.5	3.5				
O-AT845-188 8"-4.5" Round Tapered Alum Pole	0.188	16.4	12.6	9.9	7.9	30 30 ft.			PC Photocell (Please consult factory; must be flat-top pole; also specify with luminaire)
O-AT845-250 8"-4.5" Round Tapered Alum Pole	0.25	20.6	15.8	12.5	10.1				
O-AT106-188 10"to 6" Round Tapered Alum Pole	0.188	26.4	20.4	16.2	12.9	35 35 ft.			
O-AT106-188 10"to 6" Round Tapered Alum Pole	0.188	20.0	15.3	11.7	9.2				
O-AT106-188 10"to 6" Round Tapered Alum Pole	0.188	15.9	12.0	9.1	6.8	39 39 ft.			
O-AT106-188 10"to 6" Round Tapered Alum Pole	0.188	14.2	10.5	7.8	5.8				

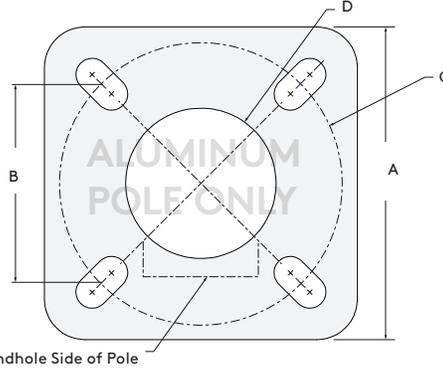
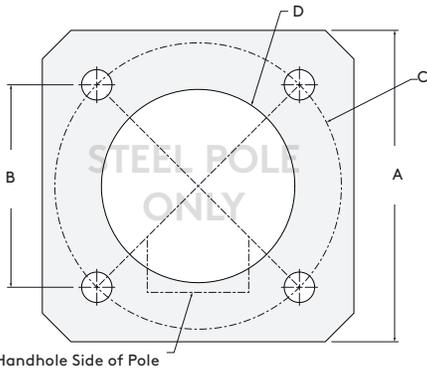
EPA values are calculated according to AASHTO 1994 with a 1.3 gust factor. Poles are calculated for an even distributed weight load of 200 lbs weight maximum. If the majority of the load is unevenly distributed, please consult factory for project specific EPA calculations

(1) Pair of Rivnuts is required for every mounting arm in pole mount applications. Rivnut codes are denoted in pairs (1 pair Rivnuts = RN1, 2 pair Rivnuts = RN2, 3 pair Rivnuts = RN3, etc) and must be specified for all pole mount configurations.

Olivio Grande LED - Sistema Arm Mount

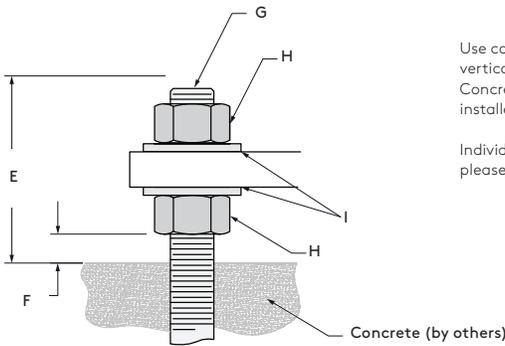


Mounting Plate Detail



Mounting Plate Details	A Base Plate SQ	B Bolt Spacing SQ	C Base Circle Ø	D Conduit Opening Ø
O-A35-197 3.5" Round Straight Alum Pole	8" (203mm)	5 1/2" (139mm)	7 3/4" (197mm)	3" (76mm)
O-AT106-188 10" to 6" Round Tapered Alum Pole	13 3/16" (335mm)	10 1/16" (256mm)	14 1/4" (362mm)	Ø 9 5/8" (244mm)
O-AT535-156 5" to 3.5" Round Tapered Alum Pole	9 5/8" (244mm)	6 1/8" (155mm)	8 5/8" (219mm)	4 5/8" (117mm)
O-AT535-188 5" to 3.5" Round Tapered Alum Pole	9 5/8" (244mm)	6 1/8" (155mm)	8 5/8" (219mm)	4 5/8" (117mm)
O-AT64-156 6"-4" Round Tapered Alum Pole	10 5/16" (262mm)	6 3/4" (172mm)	9 1/2" (241mm)	5 1/2" (140mm)
O-AT74-156 7"-4" Round Tapered Alum Pole	11 1/4" (286mm)	7 1/2" (190mm)	10 9/16" (268mm)	6" (152mm)
O-AT845-188 8"-4.5" Round Tapered Alum Pole	12 1/16" (306mm)	8 1/4" (209mm)	11 5/8" (295mm)	7 1/2" (191mm)
O-AT845-250 8"-4.5" Round Tapered Alum Pole	12 1/16" (306mm)	8 1/4" (209mm)	11 5/8" (295mm)	7 1/2" (191mm)
O-ST5936-11 5.9"-3.6" Tapered Steel Pole	10" (254mm)	6 3/8" (162mm)	9" (229mm)	5 5/8" (143mm)

Anchor Bolt Detail



Use caution when setting anchor bolts. Bolts must be vertically straight and centered on dimension shown. Concrete footing and feed conduit to be designed and installed by others.

Individual 1:1 scale drawings for installation available, please consult factory.

All Hardware is Galvanized

Anchor Bolt Details	E Bolt Projection	F For Leveling	G Anchor Bolt	H Heavy Hex Nut	I Flat Washer
O-A35-197 3.5" Round Straight Alum Pole	3 1/4" (82mm)	1/2" (13mm)	3/4"-10 UNC x 17"	3/4"-10 UNC	3/4" ID
O-AT106-188 10" to 6" Round Tapered Alum Pole	4 3/4" (121mm)	15/16" (24mm)	1"-8 UNC x 36"	1"-8 UNC	1" ID
O-AT535-156 5" to 3.5" Round Tapered Alum Pole	3 1/4" (82mm)	1/2" (13mm)	3/4"-10 UNC x 17"	3/4"-10 UNC	3/4" ID
O-AT535-188 5" to 3.5" Round Tapered Alum Pole	3 1/4" (82mm)	1/2" (13mm)	3/4"-10 UNC x 17"	3/4"-10 UNC	3/4" ID
O-AT64-156 6"-4" Round Tapered Alum Pole	3 1/2" (89mm)	1/2" (13mm)	3/4"-10 UNC x 17"	3/4"-10 UNC	3/4" ID
O-AT74-156 7"-4" Round Tapered Alum Pole	4 1/8" (105mm)	1/2" (13mm)	1"-8 UNC x 36"	1"-8 UNC	1" ID
O-AT845-188 8"-4.5" Round Tapered Alum Pole	4 1/8" (105mm)	1/2" (13mm)	1"-8 UNC x 36"	1"-8 UNC	1" ID
O-AT845-250 8"-4.5" Round Tapered Alum Pole	4 1/8" (105mm)	1/2" (13mm)	1"-8 UNC x 36"	1"-8 UNC	1" ID
O-ST5936-11 5.9"-3.6" Tapered Steel Pole	4 1/8" (105mm)	1/2" (13mm)	1"-8 UNC x 36"	1"-8 UNC	1" ID

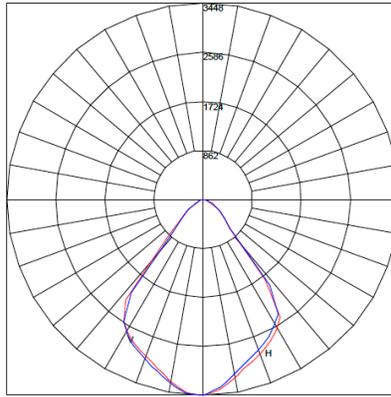
Olivio Grande LED - Sistema Arm Mount



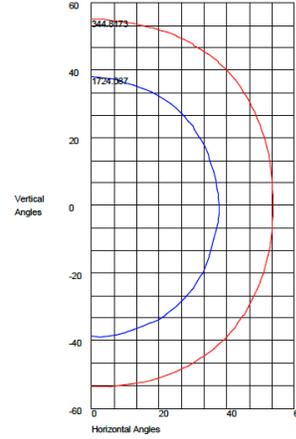
Photometry

F80 / 52W LED / 3000K CCT

Catalog #: OLGL-F80-X-2G130-30
Delivered Lumens: 4905
Input Watts: 52W
Maximum candela of 3448.1
Maximum candela angle: 0H-0V
NEMA Classification: 6H x 6V
Power Factor: 0.993



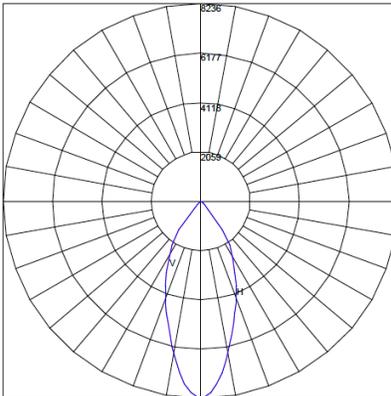
Maximum Candela = 3448.173 Located At Horizontal Angle = 0, Vertical Angle = 0
H - Horizontal Axial Candela
V - Vertical Axial Candela



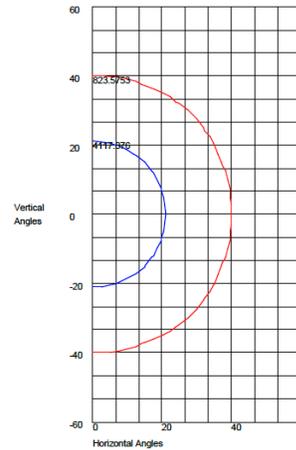
Maximum Candela = 3448.173 Located At Horizontal Angle = 0, Vertical Angle = 0
50% Maximum Candela = 1724.0865
10% Maximum Candela = 344.8173

F40 / 52W LED / 3000K CCT

Catalog #: OLGL-F40-X-2G130-30
Delivered Lumens: 5052
Input Watts: 52W
Maximum candela of 8235.7
Maximum candela angle: 0H x 0V
NEMA Classification: 5H x 5V
Power Factor: 0.993



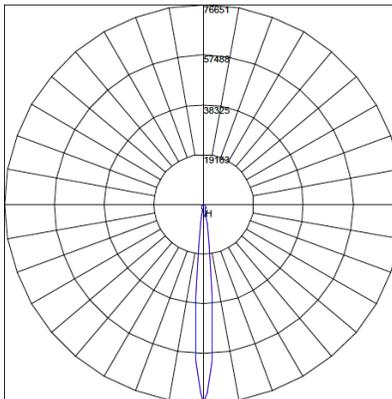
Maximum Candela = 8235.753 Located At Horizontal Angle = 0, Vertical Angle = 0
H - Horizontal Axial Candela
V - Vertical Axial Candela



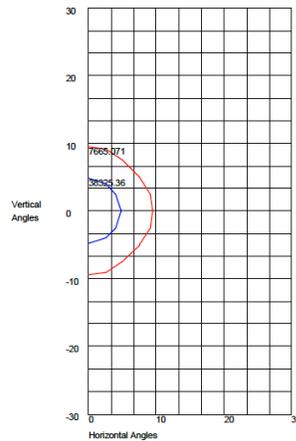
Maximum Candela = 8235.753 Located At Horizontal Angle = 0, Vertical Angle = 0
50% Maximum Candela = 4117.8765
10% Maximum Candela = 823.5753

S09 / 52W LED / 3000K CCT

Catalog #: OLGL-S09-X-2G130-30
Delivered Lumens: 5071
Input Watts: 52W
Maximum candela of 7665.071
Maximum candela angle: 0H x 0V
NEMA Classification: 1H x 1V
Power Factor: 0.993



Maximum Candela = 7665.071 Located At Horizontal Angle = 0, Vertical Angle = 0
H - Horizontal Axial Candela
V - Vertical Axial Candela



Maximum Candela = 7665.071 Located At Horizontal Angle = 0, Vertical Angle = 0
50% Maximum Candela = 3832.5356
10% Maximum Candela = 766.50712

Submitted By
16500, INC

Notes

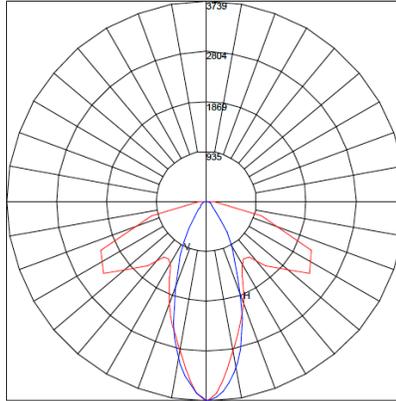
Olivio Grande LED - Sistema Arm Mount



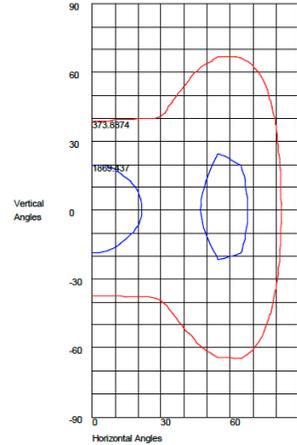
Photometry

ASM / 52W LED / 3000K CCT

Catalog #: OGL-ASM-X-2G130-30
Delivered Lumens: 4574
Input Watts: 52W
Maximum candela of 3738.8
Maximum candela angle: 0H x 0V
NEMA Classification: 7H x 5V
Power Factor: 0.993



Maximum Candela = 3738.874 Located At Horizontal Angle = 0, Vertical Angle = 0
H - Horizontal Axial Candela
V - Vertical Axial Candela



Maximum Candela = 3738.874 Located At Horizontal Angle = 0, Vertical Angle = 0
50% Maximum Candela = 1869.437
10% Maximum Candela = 373.8874