

LINEA 450 LVC Specification

The LINEA series features distinctly linear design qualities and exceptional versatility. Perceptively capturing today's minimal design philosophy, the reduced form is sure to retain its validity far into the future. It is available in three mounting heights in single or twin mounting configurations. The pedestrian-scale model is 15 feet, with intermediate and larger sizes at 20 and 26 feet, respectively, giving proper scale for a variety of applications. Units for bi-level mounting are available, where the street-side luminaire is mounted high and a second fixture is mounted on the sidewalk side at a lower height for pedestrian illumination. An LED illuminating bollard for low-level pathway illumination complements the family of products. CSA Listed for Wet Locations



LED		Color					Pole		
Model	Module	Temperature	Distribution	Volt	Mounting	Pole	Mat	Finish	Option
LN450	2LVC - 2 modules	WW - 3000K	T2 - Type II	UNV - 120-277V	A - Single Mount	15SR - 15' Straight Rectangular	A - Aluminum	SG - Silver Grey	DIM - 0-10vDC Dimming
		NW - 4000K	T3 - Type III		B - Twin Mount	X - Other (specify)	S - Steel	DG - Dark Grey	N - None
			T4 - Type IV					GG - Graphite Grey	
								BLK - Matte Black	
								BRZ - Dark Bronze	
								CC - Custom RAL Color	

Ordering Information

LN450	2LVC	UNV
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LINEA 450 LVC

Specification

HOUSING

Rectangular luminaire housing with integral fitter is extruded aluminum with no visible welds. Frameless tempered glass lens with decorative masking is hinged and secured in place with a single stainless steel quarter-turn fastener for tool-less access to the optical compartment. Lens seals to the housing with one-piece silicone gasketing when closed. Housing is fitted with stainless steel weather-tight strain relief bushing for the power cable exiting the rear of the housing. Luminaire mounts to tenon on pole and secured with four socket head cap screws on top of the housing. Luminaire is available in single or twin back-to-back mounting configurations. All hardware is stainless steel.

OPTICS

Optics include 2 individual LED modules. Each module consists of a field replaceable aluminum core PCB with four high-power LEDs and a single piece lens molded from optical quality acrylic. Light distributions include a choice of Type II, III, or IV optics. Luminaire emits zero uplight at 90 degrees horizontal and above and is suitable for use in all LEED lighting zones.

LED DELIVERED LUMEN OUTPUT / BUG RATING

2 Modules: 72 watts

Type II - 3000K: 5068 lumens / B1-U0-G1

Type III - 3000K: 5126 lumens / B1-U0-G1

Type IV - 3000K: 4639 lumens / B1-U0-G1

Type II - 4000K: 5398 lumens / B1-U0-G1

Type III - 4000K: 5459 lumens / B2-U0-G1

Type IV - 4000K: 4941 lumens / B1-U0-G1

NOTE : Due to rapid and continuous advances in LED technology, LED luminaire data is subject to change without notice and at the discretion of HessAmerica. Consult factory for current technical data.

ELECTRICAL

Electronic LED driver supplies 700mA drive current to LED modules with input voltage range from 120v through 277v at 50/60Hz. Power consumption is 72 watts. Optional 0-10v DC dimming is available on request.

LUMINAIRE WEIGHT: 22 lbs

LUMINAIRE EPA: 1.3 sq. ft

POLE**Aluminum:**

Straight rectangular pole is 6.3" x 3.9" nominal and manufactured from seamless 6061 aluminum tubing and heat treated to produce a T6 temper. Nominal wall thickness is 0.236". Sides of the shaft are flat with 1/8" radiussed corners. Flush mounted hand hole cover is plasma cut with kerf not to exceed 1/8" and includes triangular tamper-resistant locking device. Two piece base cover is fabricated aluminum. Nominal pole height is 15'.

Steel:

Straight rectangular pole is 6.3" x 3.5" nominal and manufactured from cold drawn over mandrel, electric weld, mechanical steel tubing with nominal wall thickness of 0.197". Sides of shaft are flat with 1/2" radiussed corners. Pole shall show no seam along the shaft. Flush mounted hand hole cover is plasma cut with kerf not to exceed 1/8" and includes triangular tamper-resistant locking device. Pole is hot-dip galvanized with coating inside and out, then lightly sanded prior to painting. Two piece base cover is fabricated aluminum. Nominal pole height is 15'.

FINISH

Specifications are subject to change without notification

HessAmerica > Products > Lighting Products > Pole Mounted Luminaire > LINEA
https://www.hessamerica.com/Products/Lighting/Pole_Mounted_Luminaire/LINEA/

Standard finishes are finely textured matte silver grey metallic, dark grey, graphite grey, matte black, or dark bronze. Special colors available on request.

CERTIFICATION: CSA Certified for Wet Locations

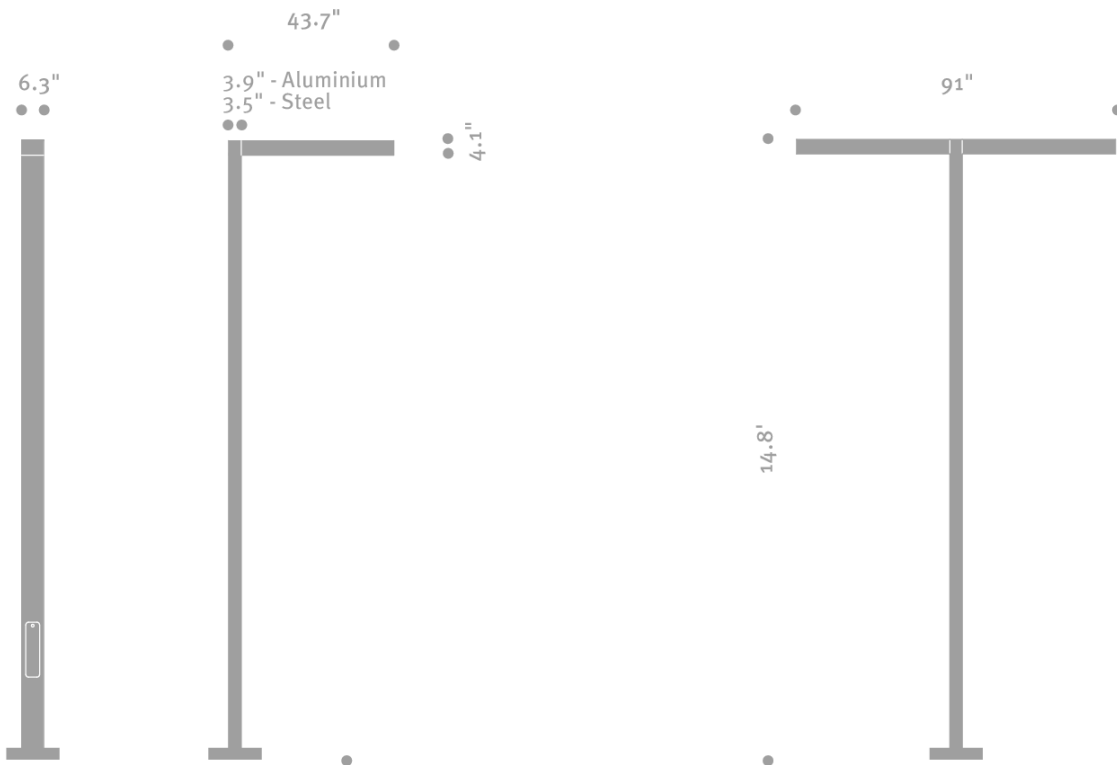
INGRESS PROTECTION: IP65

WARRANTY

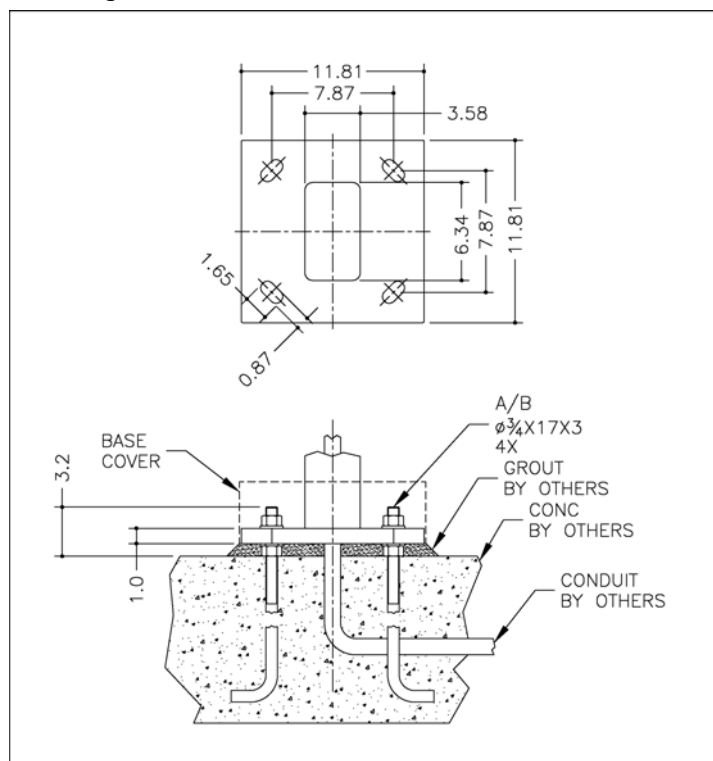
Limited product warranty period including LEDs is five years. Driver shall carry the manufacturer's limited warranty.

Additional information

Dimensions



Mounting detail



Specifications are subject to change without notification

HessAmerica > Products > Lighting Products > Pole Mounted Luminaire > LINEA
https://www.hessamerica.com/Products/Lighting/Pole_Mounted_Luminaire/LINEA/



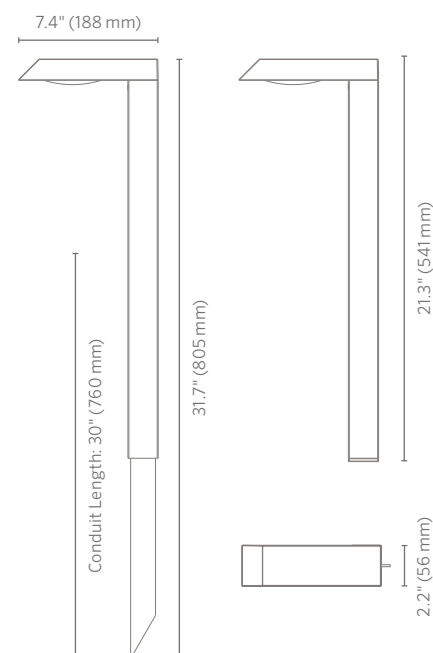
PROJECT
CATALOG #
TYPE
NOTES

M-PL Path Light DESIGNER PLUS

The ultra-modern M-PL path light combines the versatility of die-cast aluminum with minimalist aesthetics to complement a range of contemporary installations.

Quick Facts

- Die-cast aluminum
- Two-layer marine-grade anodization and powder coat finish
- Cree® integrated LEDs
- Color temperature filters
- Compatible with Luxor® technology
- Phase and PWM dimmable
- Input voltage: 10-15V



M-PL Path Light SPECIFICATIONS

Lamp	1 LED	ZDC
Halogen Lumen Output Equivalent	20W	10W
Minimum Rated Life (L70)	50,000 hrs avg	50,000 hrs avg
Input Voltage	10 to 15V	11 to 15V
VA Total (Use this number to size the transformer)	2.4	4.3
Watts Used	2.0	3.6
Lumens per Watt (Efficacy)	36	21
Max Lumens	73	36
CRI (Ra)	80+	80+
Center Beam Candlepower (CBCP)	85	25
Dimming	PWM, Phase**	PWM, Phase**
RGBW Available	No	Yes
Luxor Compatibility		
Default	Zoning	Zoning
ZD Option	Zoning/Dimming	Zoning/Dimming
ZDC Option	N/A	Color
Minimum Rated Life (L70)	50,000 Hrs	50,000 Hrs
CCT		
Amber Filter	2,700K	N/A
Frosted Filter	3,900K	N/A

FX Luminaire

FX Luminaire is an industry-leading manufacturer of landscape and architectural lighting products with a focus on the advancement of LED technology and digital lighting control with zoning, dimming, and color adjustment capabilities. We offer a full spectrum of specification-driven lighting fixtures that can be utilized to create elegant, cutting-edge landscape lighting systems for commercial or residential applications. Our products are available exclusively via our extensive professional distributor network.

Materials

Die-cast aluminum A380 housing and extruded riser with stainless steel hardware.

Power

Input 10-15 VAC/VDC, 50/60Hz. Remote transformer required (specify separately).

Lamp

Integrated module with Cree LEDs. Gold-plated connectors and conformal coated for maximum reliability and corrosion resistance. Proprietary on-board intelligent driver uses firmware-controlled temperature regulation, maximizing LED life. Field upgradeable and replaceable, the LEDs are rated to 50,000 hrs. Maximum drive current: 1 A.

Socket

Socket contains MoistureBlock™ technology, preventing moisture from wicking up into sealed areas of the luminaire.

Optics

Polycarbonate color temperature adjustment lenses included with luminaire: 2,700K (preinstalled) and 3,900K (clear lens). Color temperature lenses are field serviceable.

Wiring

18 AWG (1 mm); SPT-1W; 220°F (105°C); 300V; 10' (3 m) length.

Housing

Die-cast aluminum housing with capacity for rectangular 1LED integrated LED.

Lens

Frosted polycarbonate lens with high tolerance for thermal expansion, stress, and abuse.

Finish

Two-layer protection of sulfuric acid anodization and polyester TGIC powder coat, providing superior outdoor weathering in all conditions. Tested to ASTM standards.

Weight

3.2 lbs. (1.45 kg)

Manufacturing

ISO 9001:2015 certified facility

Hardware

Tamper-resistant stainless steel hardware. Ships with 30" (762 mm) length of 1¼" (32 mm) conduit.

Ambient Operating Temperature

0°F to 140°F (-18°C to 60°C)

Control

ZD or ZDC options utilize Luxor technology to zone luminaires in up to 250 groups, dim each group in 1% increments between 0 and 100%, or change to one of 30,000 colors with RGBW LEDs. Select the ZD option for zoning/dimming or ZDC for zoning/dimming/color. Standard luminaire is zoneable with Luxor.

Sustainability

Innovation meets conservation in the design and manufacturing of our products. Where we can, we use recycled materials while maintaining superior functionality. Our LED products provide high-quality light at optimal energy efficiency, lifespan, and durability.

Installation Requirements

Designed for installation in the downward lighting direction only.

International Compliance

Compliant per IEC 60598-1 and IEC 60598-2-7 by selecting "e" option in parts builder.

Warranty

10-year limited warranty.

Listings



3YJ8



M-PL Path Light ORDERING INFORMATION

Fixture Size	Luxor Option	Lamp	Compliance	Finish		
M-PL	<input type="checkbox"/> [default] Zone	<input type="checkbox"/> 1LED 2.0W/2.4A	<input type="checkbox"/> [default] UL-Listed	<input type="checkbox"/> BZ Bronze	<input type="checkbox"/> SB Sedona Brown	
	<input type="checkbox"/> ZD Zone/Dim	<input type="checkbox"/> [default ZDC option] 3.6W/4.3VA	<input type="checkbox"/> e CE Approved	<input type="checkbox"/> SV Silver	<input type="checkbox"/> AL Almond	
	<input type="checkbox"/> ZDC Zone/Dim/Color			<input type="checkbox"/> FB Black	<input type="checkbox"/> WG White Gloss	
				<input type="checkbox"/> DG Desert Granite	<input type="checkbox"/> FW Flat White	
				<input type="checkbox"/> WI Weathered Iron		

EXAMPLE FIXTURE CONFIGURATION:
M-PL-ZD-1LED-SV
* Ships with 30" (762 mm) length of 1¼" (32 mm) conduit

M-PL


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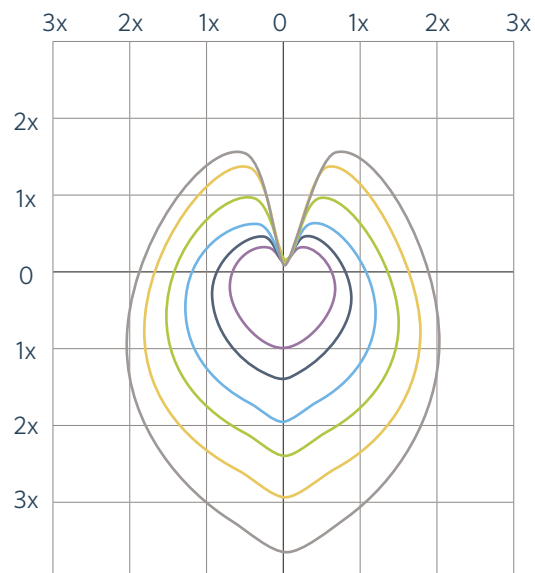
MOUNTING OPTIONS: Specify Separately

Mounts	Catalog No.	
<input type="checkbox"/> M-PL DECK MOUNT 2.2" x 1.6" x 1.7" (55 mm x 41 mm x 51 mm)	M-PL-DM-XX*	

* XX = Power coat color code

M-PL Path Light PHOTOMETRICS

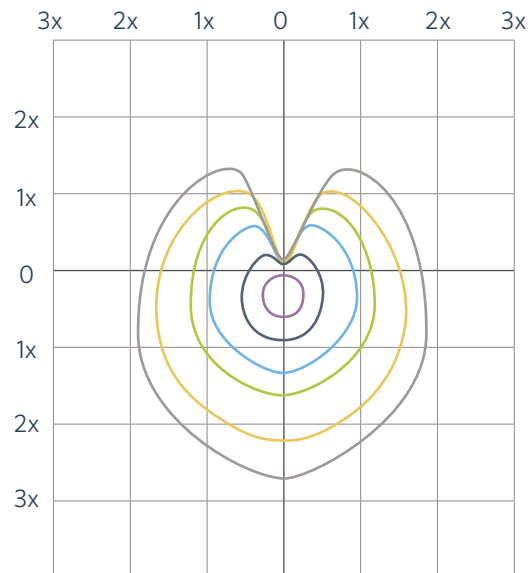
M-PL 1LED Isofootcandle Plot



5 fc (54 lx) 0.5 fc (5 lx)
2.5 fc (27 lx) 0.2 fc (2 lx)
1 fc (11 lx) 0.1 fc (1.1 lx)

Distance in units of mounting height: 1.8'
(0.6 m) Total LLF: 1.0

M-PL ZDC Isofootcandle Plot

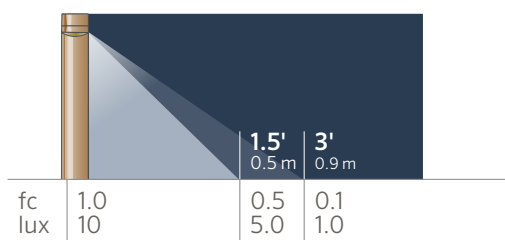


5 fc (54 lx) 0.5 fc (5 lx)
2.5 fc (27 lx) 0.2 fc (2 lx)
1 fc (11 lx) 0.1 fc (1.1 lx)

Distance in units of mounting height: 1.8'
(0.6 m) Total LLF: 1.0

FIXTURE SPACING

M-PL 1 LED or ZDC



Recommended spacing for area lights

10' Residential applications at 0.1 fc

5' Commercial applications at 0.5 fc



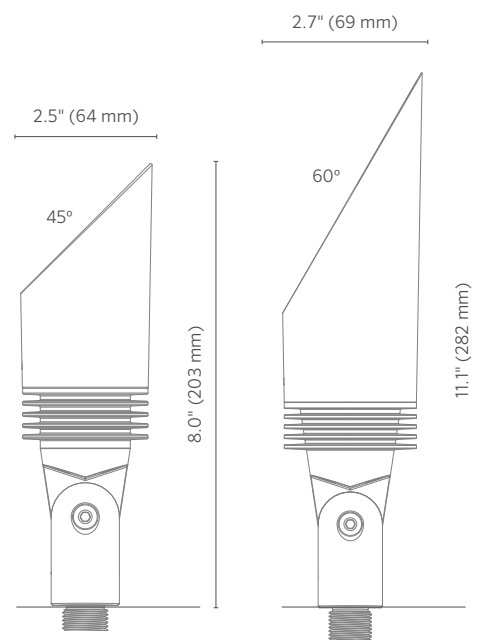
PROJECT
CATALOG #
TYPE
NOTES

NP Up Light DESIGNER PLUS

Expertly engineered with 45° or 60° shroud options to illuminate a variety of spaces in 3, 6, or 9 LED. An RGBW version is also available for use with **Luxor® ZDC** systems.

Quick Facts

- Die-cast aluminum
- Two-layer marine-grade anodization and powder coat finish
- Cree® integrated LEDs
- ProAim™ adjustability
- Tamper-resistant features
- Color temperature filters
- Compatible with Luxor technology
- Phase and PWM dimmable
- Input voltage: 10-15V



NP Up Light SPECIFICATIONS

Output	3LED	6LED	9LED	ZDC
Total Lumens†	135	280	360	110
Input Voltage	10 to 15V	10 to 15V	10 to 15V	11 to 15V
Input Power (W):	4.2	10.1	11.2	9.1
VA	4.5	13.5	13.5	11.0
Efficacy (Lumens/Watt)	32	28	32	21
Color Rendering Index (CRI)	80+	80+	80+	80+
Center Beam Candlepower*				
Spot (17-20)	464	1,069	897	172
Dimming	PWM, Phase**	PWM, Phase**	PWM, Phase**	--
RGBW Available	No	No	No	Yes
Luxor Compatibility				
Default	Zoning	Zoning	Zoning	--
ZD Option	Zoning/Dimming	Zoning/Dimming	Zoning/Dimming	--
ZDC Option	--	--	--	Zoning/Dimming/ Color
Minimum Rated Life (L70)	50,000 Hrs	50,000 Hrs	50,000 Hrs	50,000 Hrs

* Information not available for Flood or Wide Flood.

** For optimal performance, use a trailing-edge, phase-cut dimmer.

† Measured using the 3,900K CCT lens. Multipliers for other CCTs include 0.80 (2,700K), 0.65 (4,500K), and 0.65 (5,200K).

FX Luminaire

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Materials

Die-cast aluminum A380 housing and shroud with stainless steel hardware. Die-cast zinc/aluminum alloy knuckle.

Socket

Socket contains MoistureBlock™ technology, preventing moisture from wicking up into sealed areas of the fixture.

Lamp

Integrated module with Cree LEDs. Gold-plated connectors and conformal coated for maximum reliability and corrosion resistance. Proprietary on-board intelligent driver uses firmware-controlled temperature regulation, maximizing LED life. Field upgradeable and replaceable, the LEDs are rated to 50,000 hrs. Maximum drive current: 1 A.

Optics

Polycarbonate color temperature adjustment lenses included with fixture: 2,700K (preinstalled), 3,900K (no lens), 4,500K, and 5,200K. Interchangeable optics for 10°, 20°, 30°-32°, or 55°-58° distributions ordered pre-assembled to fixture. Color temperature and beam angle lenses field serviceable. For additional color filters, spread lenses, hex baffles, etc., use MR-16 sized accessories (MR-16: 1.95" (495 mm) dia. x 1.1 mm thickness). Beam angle is calculated using LM-79 method for SSL luminaires.

Wiring

18 AWG (1 mm); SPT-1W; 220°F (105°C); 300V; 10' (3 m) length, pre-stripped.

Power

Input 10-15VAC/VDC 50/60Hz. Remote transformer required (specify separately).

Housing

Die-cast aluminum housing with capacity for 1LED, 3LED, 6LED, 9LED, or ZDC integrated LEDs.

Shroud

Die-cast aluminum shroud with 45° cutoff (standard) or 60° long shroud option.

Knuckle

Die-cast zinc/aluminum alloy knuckle with ½"-14 (13 mm) NPSM threads. Compress and lock features prevent slip after installation. 9° increments adjustability over 220° of vertical adjustment.

Lens

Tempered glass lens with shock resistance and high tolerance for thermal expansion and stress.

Weight

1.9 lbs. (0.9 kg)

Finish

Two-layer protection of sulfuric acid anodization and polyester TGIC powder coat, providing superior outdoor weathering in all conditions. Tested to ASTM standards.

Hardware

Stainless steel angle lock screw. Includes 10" (254 mm) ABS slotted installation spike.

International Compliance

Compliant per IEC 60598-1 and IEC 60598-2-7 when used with International Spike Kit ("EKITSPIKE") or alternate mount greater than or equal to IP65, or by selecting the "e" version.

Ambient Operating Temperature

0°F to 140°F (-18°C to 60°C)

Sustainability

Innovation meets conservation in the design and manufacturing of our products. Where we can, we use recycled materials while maintaining superior functionality. Our LED products provide high-quality light at optimal

energy efficiency, lifespan, and durability.

Installation Requirements

Designed for installation in the upward direction only.

Control

ZD or ZDC options utilize Luxor technology to zone light fixtures in up to 250 groups, dim each group in 1% increments between 0 and 100%, or change to one of 30,000 colors with RGBW LEDs. Select the ZD option for zoning/dimming or ZDC for zoning/dimming/color. Standard fixture is zoneable with Luxor.

Manufacturing

ISO 9001:2015 certified facility










Warranty

10-year limited warranty.

Listings



NP Up Light ORDERING INFORMATION

Fixture	Luxor Option	Output	Compliance	Shroud	Finish	
NP*	■ [default] Zone	■ 3LED 135 Lumens	■ [default] ½" (13 mm) thread UL-Listed	■ [default] Standard Shroud (45°)	■ BZ Bronze Metallic	
	■ ZD Zone/Dim	■ 6LED 280 Lumens	■ e Bracket Mount CE Approved	■ LS Long Shroud (60°)	■ DG Desert Granite	
		■ 9LED 360 Lumens			■ WI Weathered Iron	
	■ ZDC Zone/Dim/Color	■ [default] 110 Lumens			■ SB Sedona Brown	
					■ FB Black	
					■ FW Flat White	
					■ WG White Gloss	
					■ AL Almond	
					■ SV Silver	

EXAMPLE FIXTURE CONFIGURATION: NP-ZD-6LED-BZ
* Ships with Super Slot Spike (753900)

NP

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NP Up Light ORDERING INFORMATION

MOUNTING OPTIONS: Specify Separately




Mounts	Catalog No.	
■ SUPER SLOT SPIKE 2.5" (64 mm) x 10" (254 mm)	753900	
■ LONG SLOT SPIKE 2.5" (64 mm) x 12" (305 mm)	250015840000	
■ SUPER J-BOX 2.5" (64 mm) x 12" (305 mm)	SJ-XX*	
■ POST MOUNT 2.5" (64 mm) x 13" (330 mm)	PM-XX*	
■ JUNCTION BOX SPIKE KIT 3.35" (85 mm) x 12" (305 mm)	EKITSPIKE	
■ GROUND MOUNT 2.7" (67 mm) Diameter	GM-XX*	
■ VERSABOX® 2.2" (57 mm) x 1.5" (39 mm)	VB-050-XX*	
■ MINI J-BOX 3.5" (89 mm) x 1.3" (34 mm)	MJ-050-XX*	
■ TREEBOX 5.4" (138 mm) x 1.9" (49 mm)	TB-XX*	
■ GUTTER MOUNT 4.0" (102 mm) x 4.0" (102 mm)	GM-SS	
■ WALL PLATES 3.4" (85 mm) x 5.1" (129 mm)	WP-1G-050-XX*	
■ WALL PLATES 5.0" (127 mm) Diameter	WP-RD-050-XX*	

RISER OPTIONS: Specify Separately

Riser	Code	
■ RISER 0.8" (21 mm) Diameter	YY-R-XX*	
■ SIGN LIGHT RISER 0.8" (21 mm) Diameter w/ 45° Inward Curve	YY-R-SL-XX*	

*YY = riser height in inches (6" increments between 6" and 36"; 150 mm increments between 150 mm and 900 mm), XX = finish code

COUPLING OPTIONS: Specify Separately

Couplings	Code	
■ STRAIGHT 1.3" (32 mm) x 2.0" (51 mm)	COUP-XX*	
■ 90° ELBOW 1.3" (32 mm) x 2.0" (51 mm)	ELBW-050-XX*	
■ T-MOUNT 3.0" (76 mm) x 2.2" (57 mm)	TMNT-050-XX*	

LENS ACCESSORIES: Specify Separately

Item	Code	
■ HEX BAFFLE MR-16 Size	250015260000	
■ LINEAR SPREAD LENS MR-16 Size	250013550000	
■ SOLITE SPREAD LENS MR-16 Size	250015240000	

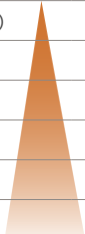
BEAM ANGLE LENSES: Specify Separately

Lens Options	1LED	3LED	6/9LED
■ DIFFUSER 18° (preassembled)	■ 770600	■ 771300	■ 771600
■ FLOOD LENS 35° (1 notch)	■ 1LEDFLENS	■ 3LEDFLENS	■ 9LEDFLENS
■ WIDE FLOOD LENS 60° (2 notches)	■ 1LEDWFLENS	■ 3LEDWFLENS	■ 9LEDWFLENS

NP Up Light PHOTOMETRICS

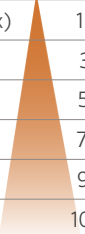
NP 1LED Illuminance at a Distance

Feet (Meters)	Center Beam	Beam Width	
	Foot-Candle (Lux)	Vertical 19.3°	Horizontal 19.9°
4.2' (1.3 m)	13.5 fc (144 lx)	1.7' (0.5 m)	1.7' (0.5 m)
8.3' (2.5 m)	3.3 fc (36 lx)	3.4' (1.0 m)	3.4' (1.0 m)
12.5' (2.8 m)	1.5 fc (16 lx)	5.2' (1.6 m)	5.1' (1.6 m)
16.7' (5.1 m)	0.8 fc (9 lx)	6.9' (2.1 m)	6.8' (2.1 m)
20.8' (6.3 m)	0.5 fc (6 lx)	8.6' (2.6 m)	8.4' (2.6 m)
25.0' (7.6 m)	0.4 fc (4 lx)	10.3' (3.1 m)	10.1' (3.1 m)




NP 3LED Illuminance at a Distance

Feet (Meters)	Center Beam	Beam Width	
	Foot-Candle (Lux)	Vertical 19.3°	Horizontal 19.9°
4.2' (1.3 m)	26.7 fc (288 lx)	1.8' (0.6 m)	1.8' (0.6 m)
8.3' (2.5 m)	6.7 fc (72 lx)	3.6' (1.1 m)	3.6' (1.1 m)
12.5' (2.8 m)	3 fc (32 lx)	5.5' (1.7 m)	5.4' (1.7 m)
16.7' (5.1 m)	1.7 fc (18 lx)	7.3' (2.2 m)	7.2' (2.2 m)
20.8' (6.3 m)	1.1 fc (16 lx)	9.1' (2.8 m)	9.04' (2.8 m)
25.0' (7.6 m)	0.74 fc (8 lx)	10.9' (3.3 m)	10.8' (3.3 m)



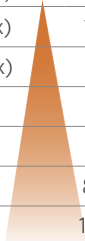
NP 6LED Illuminance at a Distance

Feet (Meters)	Center Beam	Beam Width	
	Foot-Candle (Lux)	Vertical 19.3°	Horizontal 19.9°
4.2' (1.3 m)	61.6 fc (663 lx)	1.8' (0.6 m)	1.8' (0.6 m)
8.3' (2.5 m)	15.4 fc (166 lx)	3.6' (1.1 m)	3.6' (1.1 m)
12.5' (2.8 m)	6.8 fc (74 lx)	5.4' (1.7 m)	5.4' (1.7 m)
16.7' (5.1 m)	3.9 fc (41 lx)	7.2' (2.2 m)	7.2' (2.2 m)
20.8' (6.3 m)	2.5 fc (27 lx)	9.0' (2.7 m)	9.04' (2.8 m)
25.0' (7.6 m)	1.7 fc (15 lx)	10.8' (3.3 m)	10.8' (3.3 m)




NP 9LED Illuminance at a Distance

Feet (Meters)	Center Beam	Beam Width	
	Foot-Candle (Lux)	Vertical 19.3°	Horizontal 19.9°
4.2' (1.3 m)	72.4 fc (779 lx)	1.8' (0.6 m)	1.8' (0.6 m)
8.3' (2.5 m)	28.4 fc (306 lx)	3.6' (1.1 m)	3.5' (1.1 m)
12.5' (2.8 m)	8.0 fc (87 lx)	5.4' (1.7 m)	5.3' (1.6 m)
16.7' (5.1 m)	4.5 fc (49 lx)	7.1' (2.2 m)	7.1' (2.2 m)
20.8' (6.3 m)	2.9 fc (31 lx)	8.9' (2.7 m)	8.9' (2.7 m)
25.0' (7.6 m)	2.0 fc (22 lx)	10.7' (3.3 m)	10.6' (3.2 m)



NP zDC Illuminance at a Distance

Feet (Meters)	Center Beam	Beam Width	
	Foot-Candle (Lux)	Vertical 38.3°	Horizontal 40.4°
4.2' (1.3 m)	11.6 fc (125 lx)	2.8' (0.9 m)	2.9' (0.9 m)
8.3' (2.5 m)	2.9 fc (31 lx)	5.6' (1.7 m)	5.9' (1.8 m)
12.5' (2.8 m)	1.3 fc (14 lx)	8.3' (2.5 m)	8.8' (2.7 m)
16.7' (5.1 m)	0.7 fc (8 lx)	11.1' (3.4 m)	11.8' (3.6 m)
20.8' (6.3 m)	0.5 fc (5 lx)	13.9' (4.2 m)	14.7' (4.5 m)
25.0' (7.6 m)	0.3 fc (3.5 lx)	16.7' (5.1 m)	17.7' (5.4 m)



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800-865-7221



120V 16Ga 3-Prong Dimmable Outdoor LED Patio String Light - Feit Electric - SL-FT-LI

4.6 ★★★★★

Google
Customer Reviews

STRING LIGHTS

BRAND FEIT ELECTRIC WEIGHT 4.40 LBS SKU SL-FT-LED

\$5.01 OFF



NO REVIEWS YET

\$49.98

BULB TYPE

S14

ST214

G25

BULB COUNT, SPACING, LENGTH Required

10 Bulbs / 3' Socket Spacing / 30' Total Length

DIMMING CONTROLLER

Choose
Dimming Controller



1



ADD TO CART

OVERVIEW

SPECIFICATIONS

Looking for a easy and simple way to bring great lighting to your outdoor area? AQLIGHTING has you covered. This new 120V Commercial Ready Dimmable Outdoor LED String patio light is an ideal choice for lighting backyards, patios, gazebos, and more. Constructed with durability in mind, this string light has many commercial grade features. The LED Edison style filament bulb sits deep in the weatherproof E26 medium base socket to form a water resistant seal. The power connector also forms a water resistant seal when linking to another string.

4.6 ★★★★★

Google
Customer Reviews



WEATHERPROOF HEAVY DUTY CONSTRUCTION

- This LED String light is made from commercial grade material and designed to last.
- Each bulb socket is recessed so that the outer rubber lip forms a water-resistant seal when the bulb is properly installed.
- Come rain, wind, or snow, this LED string light will stand the test of time!



LED WARM WHITE EDISON STYLE FILAMENT BULB

- Adding a modern touch to a classic look are the included LED warm white Edison style filament bulbs.
 - Choose between three different sizes: S14, ST214, or a G25 sized bulb
- Each bulb uses LED technology with a look that reminds you of years gone by.
- The light does not however, as it is a modern LED bulb that emits a warm and inviting glow at a color temperature of 2700K.

4.6 ★★★★★
Google
Customer Reviews



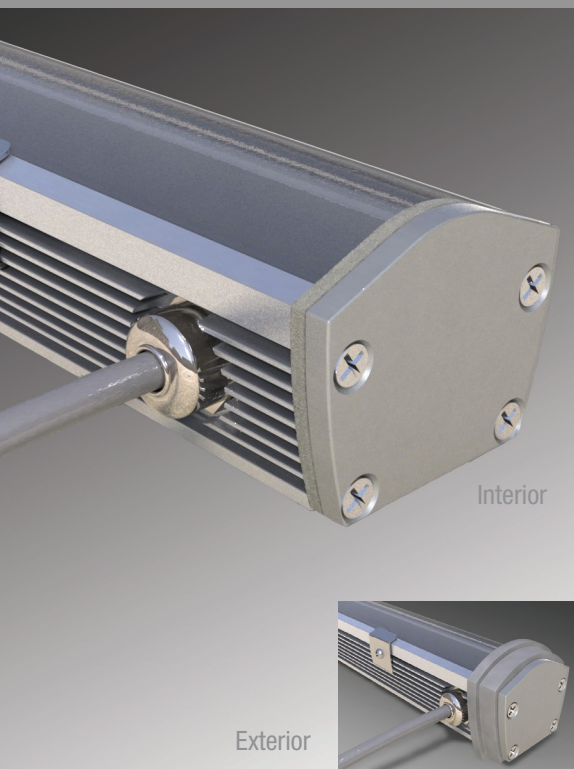
SECURE CONNECTION

- This string light features a new power connector ideal for linking multiple strings together.
- Each end that connects forms a strong, water resistant seal that won't break free under the weight of the string itself.
- You can practically install and forget it's there! It takes less materials to install this string light since the strength of the cord will require you to use less hooks or hanging points.

0 REVIEWS

Write a Review

4.6 ★★★★★
Google
Customer Reviews



5-year warranty

line™ 2.0

INTERIOR/EXTERIOR
APPLICATIONS

SYMMETRIC

Application

io Lighting's **line series 2.0** is approximately 2"x 2" in cross section, which allows for luminous accents to be delivered from "tight" architectural details. This low voltage linear luminaire may be specified for interior or exterior applications. Nominal lengths include 18", 36", 54" and 72". Precise beam spreads of 5°, 10°, 30°, 60° and 90° along the perpendicular axis of the fixture are well suited for accent or general illumination. **io**'s proprietary "grazing" allows the luminaire to be placed right next to a vertical surface and wash it uniformly. Individual units may be placed end to end to create continuous rows without obvious shadows between fixtures. **series 2.0**'s patented optical assembly is designed to practically eliminate stray light, making it perfect for applications where light pollution and/or light trespass are important design considerations.

Projected average rated life is 50,000 hours at 70% of lamp lumen output. Ambient temperature surrounding the fixture shall not exceed 122°F (50°C).

Light Output

series 2.0 is available with four lumen outputs for white light only. Refer to light output tables for footcandle values at various distances. All values below represent the initial raw lumens of the LED. IES format photometry of Lighting Facts labels represent actual light output measured in lumens and candle power. Light Output losses include optical, thermal and power supply inefficiencies. IES LM-79 format files may be obtained from the factory or downloaded from www.iolighting.com. All products have a CRI greater than 80. Results are typical measurements.

>> 2-step MacAdam Binning.

	Standard Output	Mid Output	Very High Output	V2HO
INITIAL LUMENS				
2700K White:	267 lms/ft	445 lms/ft	534 lms/ft	785 lms/ft
3000K White:	280 lms/ft	466 lms/ft	560 lms/ft	823 lms/ft
3500K White:	287 lms/ft	479 lms/ft	575 lms/ft	845 lms/ft
4000K White:	290 lms/ft	488 lms/ft	585 lms/ft	860 lms/ft

	Standard Output	Mid Output	Very High Output	V2HO
POWER CONSUMPTION*				
	3.39 w/ft	5.09 w/ft	7.12 w/ft	10.52 w/ft

Non-standard color temperatures available as a custom offering for a modest additional cost and lead-time.

* Power Consumption does not include power supply losses.

Construction

Heavy-duty aluminum housing provides required thermal management. Precision optics are composed of a customized acrylic material offering excellent light transmission and UV stability. High strength adhesive bonds the housing and patented optical assembly. Fabrication methods differ for each application. Exterior rated fixtures are sealed for life while interior rated fixtures are designed with a quick disconnect to enable the printed circuit board to be changed in the field. Interior fixtures may be sent back to the factory to change printed circuit board.

Mounting Options

series 2.0 may be surface mounted, side surface mounted or surface mounted with field adjustability and lockable aiming. Alternate mounting brackets available upon request. Consult factory for details.

Electrical

4'-0", 14 AWG UV rated electrical feed is side mounted to enable continuous row mounting. For detailed information regarding remote distance limitations, power supply options, and dimming options consult the **io** website (www.iolighting.com) or an **io** representative.

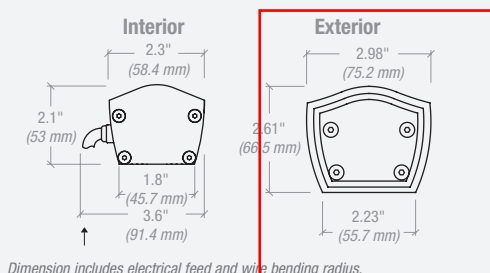
DRIVER REMOTE DISTANCE

46'-0" (14.0m) w/14AWG
71'-0" (21.6m) w/12AWG
120'-0" (36.6m) w/10AWG

Finish

Anodized aluminum finish is standard. Custom finishes may be available upon request.

Dimensions



Dimension includes electrical feed and wire bending radius.

io Lighting

Light Output (Lumens)	1511
Watts	34
Lumens per Watt (Efficacy)	44
Color Accuracy Color Rendering Index (CRI)	85
Light Color Correlated Color Temperature (CCT)	2974 (Warm White)
Warranty**	Yes

All results, except LED Lumen Maintenance, are according to IESNA LM-79-2008: Approved Method for the Electrical and Photometric Testing of Solid-State Lighting. The U.S. Department of Energy (DOE) verifies product test data and results.

** See www.lightingfacts.com/products for details.

Registration Number: PNE4-INTREJ (7/12/2013)
Model Number: 0.05V2.1.3K.05.1.36
Type: Other

Label references 36" **line 2.0** symmetric fixture with a 5° beam spread in V2HO 3000K. Lighting Facts for additional beam spreads and light output levels may be obtained from **io** Lighting.

io Lighting reserves the right to modify the design or performance of our products at any time.

End Cap Detail

Mounting Options

Order Code

Footnotes

C.P. Distribution	F.C. / Dist.												
	<table border="1"> <thead> <tr> <th>FC</th> <th>Dist.</th> </tr> </thead> <tbody> <tr> <td>714</td> <td>2'</td> </tr> <tr> <td>179</td> <td>4'</td> </tr> <tr> <td>79</td> <td>6'</td> </tr> <tr> <td>45</td> <td>8'</td> </tr> <tr> <td>29</td> <td>10'</td> </tr> </tbody> </table>	FC	Dist.	714	2'	179	4'	79	6'	45	8'	29	10'
FC	Dist.												
714	2'												
179	4'												
79	6'												
45	8'												
29	10'												

C.P. Distribution	F.C. / Dist.

1" (25.4 mm) 1.5" (39.1 mm)

Interior — Lens Clips 30" O.C.

C.P. Distribution	F.C. / Dist.												
	<table border="1"> <thead> <tr> <th>FC</th> <th>Dist.</th> </tr> </thead> <tbody> <tr> <td>647</td> <td>2'</td> </tr> <tr> <td>162</td> <td>4'</td> </tr> <tr> <td>72</td> <td>6'</td> </tr> <tr> <td>40</td> <td>8'</td> </tr> <tr> <td>26</td> <td>10'</td> </tr> </tbody> </table>	FC	Dist.	647	2'	162	4'	72	6'	40	8'	26	10'
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C.P. Distribution	F.C. / Dist.												
	<table border="1"> <thead> <tr> <th>FC</th> <th>Dist.</th> </tr> </thead> <tbody> <tr> <td>160</td> <td>2'</td> </tr> <tr> <td>40</td> <td>4'</td> </tr> <tr> <td>18</td> <td>6'</td> </tr> <tr> <td>10</td> <td>8'</td> </tr> <tr> <td>6</td> <td>10'</td> </tr> </tbody> </table>	FC	Dist.	160	2'	40	4'	18	6'	10	8'	6	10'
FC	Dist.												
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Exterior — Lens Clips 15° O.C.

C.P. Distribution	F.C. / Dist.												
	<table border="1"> <thead> <tr> <th>FC</th> <th>Dist.</th> </tr> </thead> <tbody> <tr> <td>207</td> <td>2'</td> </tr> <tr> <td>52</td> <td>4'</td> </tr> <tr> <td>23</td> <td>6'</td> </tr> <tr> <td>13</td> <td>8'</td> </tr> <tr> <td>8</td> <td>10'</td> </tr> </tbody> </table>	FC	Dist.	207	2'	52	4'	23	6'	13	8'	8	10'
FC	Dist.												
207	2'												
52	4'												
23	6'												
13	8'												
8	10'												

White	Standard Output	High Output	Very High Output	V2H0
2700K	0.44⁽¹⁾	0.72⁽¹⁾	0.95⁽¹⁾	1.40⁽¹⁾
3000K	0.47⁽¹⁾	0.75⁽¹⁾	1.00⁽¹⁾	1.47⁽¹⁾
3500K	0.48⁽¹⁾	0.77⁽¹⁾	1.03⁽¹⁾	1.51⁽¹⁾
4000K	0.47⁽¹⁾	0.75⁽¹⁾	1.00⁽¹⁾	1.47⁽¹⁾

Visit **www.iolighting.com** or contact an
io representative for IES format photometrics.



line series 2.0 is UL listed for wet locations. It is not rated for submersible applications. **line 2.0** should not be mounted in conditions where there is any standing water whatsoever.

Diagram illustrating the front view of the 14 AWG cable assembly. Dimensions are provided in inches and millimeters:

- Top width: 3.6" (91.4 mm)
- Top width (excluding bend): 2.3" (58.4 mm)
- Right side height: 2.5" (64 mm)
- Bottom width: 1.81" (45.97 mm)

Note: 3.6" includes required bending radius for electrical feed.

100 Surface (io part #: LA.BK.SURFMT)

Diagram illustrating the minimum clearances for the 1000 Series Wall Mount:

- Left side clearance: 3.6" (91.4 mm)
- Right side clearance: 2.17" (55.1 mm)
- Note: 5" blocking required if electrical feed is on wall mounting side.

101 Side surface (io part #: LA.BK.WALLMT)

102 Field adjustable with lockable aiming (io part #: LA.BK.ADJMT)

0	05	E	4K	10	100	1	xx	1	9	10
io	1	2	3	4	5	6	7	8		
<u>1. LIGHT OUTPUT</u>			<u>4. DISTRIBUTION</u>			<u>7. LENGTH</u>			<u>9. SPECIFY DRIVER / DIMMING</u>	
04	2.0 S0		5	5°		18	18" (17.71"/449.83mm)	Note: If not specified otherwise, io will supply 100 watt drivers.		
05	2.0 H0		10	10°		36	36" (34.71"/881.63mm)	Download Power Supply specific sheet from www.iolighting.com		
05V	2.0 VHO		30	30°		54	54" (51.71"/1313.43mm)			
05V2	2.0 V2HO		60	60°		72	72" (68.71"/1745.23mm)			
			90SYM 90° SYM							
			Note: Grazing already included in optics							
<u>2. LOCATION</u>			<u>5. MOUNTING</u>			<u>8. VOLTAGE / DIMMING</u>			<u>10.</u>	
I	Interior		100	Surface		SIDE FEED STANDARD			CE Available upon request	
E	Exterior		101	Side surface		1	120v			
<u>3. COLOR</u>			102	Field adjustable		2	277v			
27K	White 2700K ⁽¹⁾					3	120v w/dim			
3K	White 3000K ⁽¹⁾					4	277v w/dim			
3K	White 3500K ⁽¹⁾					5	Other (International voltage)			
4K	White 4000K ⁽¹⁾		<u>6. FINISH</u>							
CC	Custom Color ⁽²⁾		1	Anodized aluminum						
			2	Custom color						

Consult factory for other CCT options.

1. White light variance between LEDs is equal to or better than 3-step MacAdam Binning.
2. Non-standard color temperature and CRI are available. Consult factory for availability.



YouTube

line 2.0 applications
youtube.com/iolighting