

2" INGROUND - ROUND

2022 Honeycomb louver

WAC

LANDSCAPE LIGHTING



Fixture Type:

Catalog Number:

Project: _____

Location: _____

PRODUCT DESCRIPTION

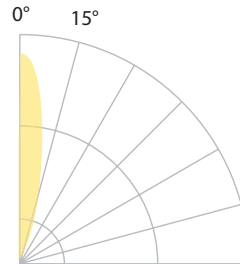
Landscape 2" recessed in-ground luminaire for up, down, side light applications.

FEATURES

- Integrated honeycomb louver for reduced glare
- 30° visual cutoff
- IP68 rated, Suitable for continuous immersion under water
- Factory sealed water tight fixtures
- Solid stainless steel construction
- Stainless steel spring clip allows wall or downlight applications
- Available Concrete Pour Adapter
- Spring, and 6' lead wire and direct burial gel filled wire nuts included
- Maintains constant lumen output against voltage drop
- UL 1838 Listed

SPECIFICATIONS

Input: 9 - 15VAC (Transformer is required)
Power: 4.1W / 6.6VA
Brightness: 170 lm
Beam Angle: 25°
CRI: 85
Rated Life: 70,000 hours



ORDERING NUMBER

		Color Temp	Finish
2022	Round Honeycomb Louver	27 2700K	BS Bronzed Stainless Steel
		30 3000K	SS Stainless Steel

IEC safety Standard	Walk over	Drive over
Resistance to static load test	Yes (1125lbs)	Yes (4496lbs)
Resistance to torque and shear loads test	N/A	Yes

2022-30 _____

Example: **2022-30SS**

wacighting.com
 Phone (800) 526.2588
 Fax (800) 526.2585

Headquarters/Eastern Distribution Center
 44 Harbor Park Drive
 Port Washington, NY 11050

Central Distribution Center
 1600 Distribution Ct
 Lithia Springs, GA 30122

Western Distribution Center
 1750 Archibald Avenue
 Ontario, CA 91760

2" INGROUND - ROUND

2022 Honeycomb louver

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LANDSCAPE LIGHTING

Magnetic Transformers



Stainless Steel, 12-15V output,
IP65 rated, UL 1838 listed
See transformer spec sheet for
details and its accessories

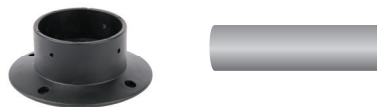
9075-TRN-SS
75W Max

9150-TRN-SS
150W Max

9300-TRN-SS
300W Max

9600-TRN-SS
600W Max

2" Concrete Pour Kit



For installation in concrete.
Use with a 4" outdoor rated junction box
and a trade size 2" schedule 80 PVC pipe

2000-CON-PVC

TESTED MAGNETIC LOW VOLTAGE (MLV) DIMMERS

Luminaire	Dimmer					
	Manufacturer	Family	Model	Power Rating	Range*	Note
2022	Lutron	Diva	DVLV-600	600W	20% - 100%	
		Skylark	SLV-600P	600W	15% - 100%	Best performance
		Skylark	S-10P	1000W		Not recommended

*Low end of this range is determined by output current which may not directly translate to the perceived light output

WAC Lighting fixtures are compatible with a variety of dimmers. For your convenience we have included a compatibility chart showing dimmers which have been tested with our products. The recommended list below is based upon testing conducted in a lab, and the results can vary in certain field applications due to a number of factors. Exclusion from the list does not imply incompatibility, just that it has not been tested by WAC Lighting. Please reference the dimmer manufacturer's instructions for installation, or contact a WAC lighting professional at 800-526-2588.

waclighting.com
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Fax (800) 526.2585

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1600 Distribution Ct
Lithia Springs, GA 30122

Western Distribution Center
1750 Archibald Avenue
Ontario, CA 91760

LED drive-over in-grade aimable floodlights for high-pressure loads

Outer housing: Constructed of high tensile strength stainless steel.

Inner housing: Constructed of high tensile strength, cast stainless steel. Trim ring is heavy gauge, machined stainless steel secured to inner housing with stainless steel fasteners threaded into stainless steel threads. Tempered clear safety glass is 1/2" thick and machined flush to trim ring. Weather tight operation achieved through the use of molded high temperature silicone gasket. Inner housing fits into outer housing to be flush with finished surface.

Adjustable optical assembly: Consists of an anodized aluminum reflector and tempered crystal glass lens. Spread lenses and concentric ring louvers may be added as available options. Precise aiming is achieved by adjusting reflector assembly 180° horizontal and up to 30° vertical in 5° increments and locking in place with internal set screw.

Electrical: 17.8W LED luminaire, 22.8 total system watts, -30°C start temperature. Integral 120V through 277V electronic LED driver, 0-10V dimming. LED module(s) are available from factory for easy replacement. Standard LED color temperature is 4000K with a >80 CRI. Available in 3000K (>80 CRI); add suffix K3 to order. Pre-wired with nine (9) feet of waterproof cable, cable clamp, and waterproof cable gland entry into housing. A separate waterproof wiring box for supply power must be provided (by others).

Note: LEDs supplied with luminaire. Due to the dynamic nature of LED technology, LED luminaire data on this sheet is subject to change at the discretion of BEGA-US. For the most current technical data, please refer to www.bega-us.com.

Finish: Machined #4 stainless steel. Custom colors are not available.

Optics: Adjustable 0-30° swivel-mounted in 3° steps and ± 180° infinitely rotatable.

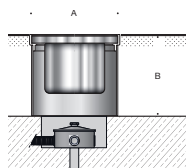
Temperature caution: The column 'T' in this chart indicates the temperature in degrees Celsius which is reached on the center of the glass surface during operation. Surface temperatures are for exterior applications, for interior applications add 10° C to temperatures shown.

Note: A foundation and proper drainage must be supplied by the customer. These luminaires are designed to bear pressure loads up to 11,000 lbs. from vehicles with pneumatic tires. The luminaires must not be used for traffic lanes where they are subject to horizontal pressure from vehicles braking, accelerating and changing direction

CSA certified to U.S. and Canadian standards, suitable for wet locations. Protection class IP68

Weight: 16.3 lbs.

Luminaire Lumens: 1016



Adjustable floodlights - clear safety glass

Lamp	b	T	A	B	Accessories
77629 17.8W LED	19°	35°	10	8 3/4"	70273 70274

Diffuser lenses wide beam flat beam b = Beam angle

Type:
 BEGA Product:
 Project:
 Voltage:
 Color:
 Options:
 Modified:



The Ikon outdoor step light features a minimized rectangular aperture that aims illumination downward to light stairs with minimal glare. Ideal for wayfinding and added safety after dark. Available in two finishes, Black and Bronze.

- **Selectable CCT (2700K/3000K)**
- **120V or 12V**
- **Outstanding protection against the elements:**
 - Wet Listed IP66 Rated
 - Stainless Steel Mounting Hardware
 - Powder Coat Finishes

SPECIFICATIONS

DELIVERED LUMENS	202 (2700K)
WATTS	12.2
VOLTAGE	12V (Transformer sold separately) or 120V
DIMMING	12V ELV, MLV and Triac. 120V not dimmable
LIGHT DISTRIBUTION	Symmetric
OPTICS	Not applicable
MOUNTING OPTIONS	Step: 2x4 junction box
CCT	2700K/3000K Selectable
CRI	90+
COLOR BINNING	3 Step
BUG RATING	B0-U3-G1
DARK SKY	Compliant
WET LISTED	IP66
GENERAL LISTING	ETL
CALIFORNIA TITLE 24	Can be used to comply with CEC 2019 Title 24 Part 6 for outdoor use. Registration with CEC Appliance Database not required.
START TEMP	-30°C
FIELD SERVICEABLE LED	No
CONSTRUCTION	Aluminum
HARDWARE	Stainless Steel
FINISH	Powder Coat
LED LIFETIME	L70; >60,000 Hours
WARRANTY*	5 Years
WEIGHT	1 lb.

* Visit techlighting.com for specific warranty limitations and details.



IKON OUTDOOR WALL/STEP LIGHT
shown in black



IKON OUTDOOR WALL/STEP LIGHT
shown in bronze

12V AC TRANSFORMERS*
(OUTDOOR RATED, ORDERED SEPARATELY)

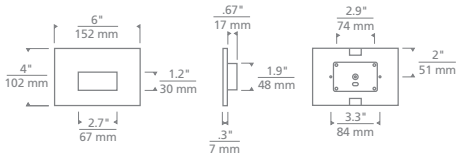
ITEM	DESCRIPTION	HOUSING	DIMMING
7000T150T	MAGNETIC, 150W, 120V	STAINLESS STEEL	MAGNETIC
7000T300T	MAGNETIC, 300W, 120V	STAINLESS STEEL	MAGNETIC

*WE DO NOT RECOMMEND USING GREATER THAN 70% OF THE MAXIMUM WATTAGE SPECIFIED FOR THE LOW VOLTAGE TRANSFORMER DUE TO INRUSH CURRENT REQUIREMENTS.

ORDERING INFORMATION

PRODUCT	CRI/CCT	FINISH	VOLTAGE
7000SIKN	92730 90 CRI 2700K/3000K SELECTABLE	B BLACK Z BRONZE	12 12V* 120 120V

*REQUIRES 12V REMOTE TRANSFORMER



Ikon Outdoor Wall/Step Light

PROJECT INFO

FIXTURE TYPE & QUANTITY	JOB NAME & INFO	NOTES



Application

Linear LED recessed ceiling luminaires with symmetric wide light distribution. The patent pending 'vortex reflector' rotates a parabolic reflector around the vertical axis to for a complex vortex shape. The vortex balances maximum efficiency with optimal glare control while eliminating shadows and artifacts in a uniquely rectangular shape.

Materials

Luminaire housing and trim constructed of die-cast marine grade, copper free ($\leq 0.3\%$ copper content) A360.0 aluminum alloy
 Clear safety glass
 Reflector surface made of pure anodized aluminum
 Silicone applied robotically to casting, plasma treated for increased adhesion
 High temperature silicone gasket
 Mechanically captive stainless steel fasteners
 Stainless steel screw clamps

NRTL listed to North American Standards, suitable for wet locations
 Protection class IP65
 Weight: 5.3lbs

Electrical

Operating voltage	120-277VAC
Minimum start temperature	-40° C
LED module wattage	16.0W
System wattage	19.0W
Controllability	0-10V dimmable
Color rendering index	Ra > 80
Luminaire lumens	2,153 lumens (3000K)
Lifetime at Ta = 15° C	> 500,000 h (L70)
Lifetime at Ta = 45° C	172,000 h (L70)

LED color temperature

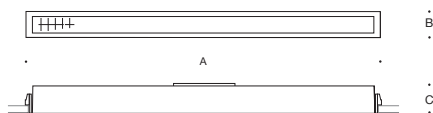
4000K - Product number + **K4**
 3500K - Product number + **K35**
3000K - Product number + **K3**
 2700K - Product number + **K27**

BEGA can supply you with suitable LED replacement modules for up to 20 years after the purchase of LED luminaires - see website for details

Finish

All BEGA standard finishes are matte, textured polyester powder coat with minimum 3 mil thickness.

Available colors	Black (BLK)	White (WHT)	RAL:
	Bronze (BRZ)	Silver (SLV)	CUS:



Recessed ceiling luminaires · Vortex optic · Symmetric wide

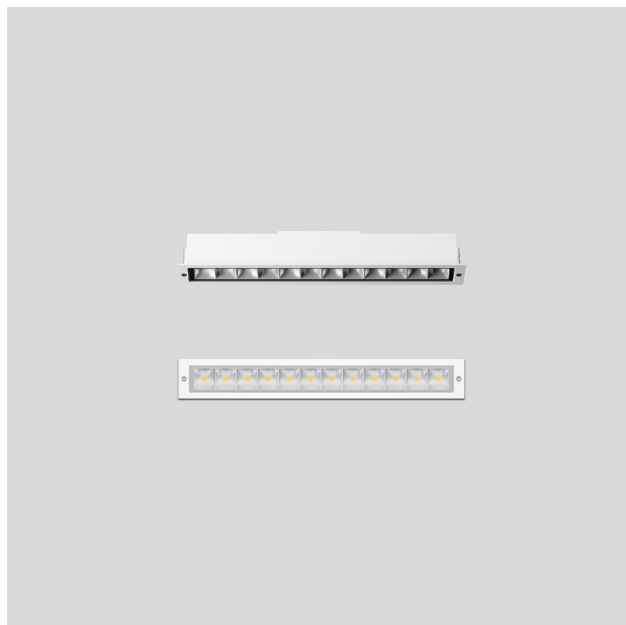
	LED	β	A	B	C
24303	16.0W	52°	21 5/8	3	3 1/2

β = Beam angle

BEGA 1000 BEGA Way, Carpinteria, CA 93013 (805) 684-0533 info@bega-us.com

Due to the dynamic nature of lighting products and the associated technologies, luminaire data on this sheet is subject to change at the discretion of BEGA North America. For the most current technical data, please refer to bega-us.com
 © copyright BEGA 2018 Updated 06/19/18

Type:
 BEGA Product:
 Project:
 Modified:



LUMENLINEAR™ ASYMMETRIC

ANOTHER LUMENRAIL® COMPONENT FOR LIFE SAFETY AND LIGHT.

Our linear product is a state-of-the-art, low-voltage LED light fixture that provides exceptional lighting performance to enhance any stairway, ramp or walkway application. Its soft light provides ample illumination for safety and ambiance without the glare or harshness of overhead lighting. Available with warm, neutral or cool white color temperatures, and a range of solid color options for static hues. Standard, mid and high output offerings make Lumenlinear a highly flexible and practical solution for adding beauty and light to your life safety installations.



- Industry leading output:
 - 70° asymmetric @ 45° above nadir
- Matte and transparent lens options
- Available in:
 - 152, 284 or 413 lpf (4000 °K Values)
- IES full cutoff classification when installed in Wagner Architectural Systems hand rail
- Fully gasketed, extruded aluminum housing
- ETL wet location listed, UL1598 certified
- 5 year warranty
- Cast 316 stainless steel, mechanical mounting
- CCT standard in 5 white options
- 4 solid color options including wildlife amber
- Up to 88 CRI standard, 95+ available upon request
- 14 standard lengths from 6" to 80"

LUMENLINEAR™ ASYMMETRIC

PROJECT NAME: _____

REP AGENCY: _____

APPROX. LINEAR FT. _____



SCAN QR CODE for technical information, downloads, instructions, and system configuration guides




LUMENLINEAR™
ANOTHER
LUMENRAIL®
COMPONENT
FOR LIFE SAFETY
AND LIGHT.

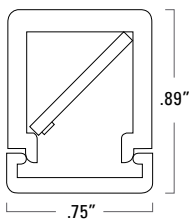
PART NUMBER BUILDER

LULS40K6070TA24	LULS	COLOR TEMP	FIXTURE WATTAGE	BEAM ANGLE	LENS OPTION	LENGTH NOMINAL - ASSEMBLED	
EXAMPLE	LULS Lumenrail Linear	27K - 2700° K 30K - 3000° K 35K - 3500° K 40K - 4000° K 50K - 5000° K	BLU Blue GRN Green RED Red AMB Wildlife Amber	20 - 1.85 W/FT 40 - 3.57 W/FT 60 - 5.45 W/FT	70 - 70° Spread <i>Main Beam @ 45° above nadir</i>	TA - Transparent Asymmetric MA - Matte Asymmetric	6 - 7.64" 48 - 48.95" 12 - 13.51" 54 - 54.89" 18 - 19.39" 60 - 60.83" 24 - 25.33" 66 - 67.20" 30 - 31.23" 72 - 73.20" 36 - 37.14" 78 - 79.20" 42 - 43.07" 84 - 85.20"

ELECTRICAL SPECIFICATIONS

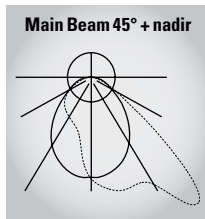
 Intertek <i>All electrical connections to be made by a qualified electrician in accordance with all national, state and local electrical codes.</i>	24VDC INPUT VOLTAGE	ETL LISTED WET, UL 1598/CSA 22.2 CERTIFICATIONS	0-10V INPUT (PWM) DIMMING	-40°F TO +120°F OPERATING TEMP
CLASS 2 REQUIRED DRIVER	5 YEARS WARRANTY	UP TO 77 LM/W LED EFFICIENCY	UP TO 88 (95+ AVAIL. UPON REQUEST) CRI	

CONSTRUCTION



An extruded aluminum housing and fully gasketed assembly insure heat dissipation and ingress protection to IP67. Stainless steel hardware and mechanical attachment promote easy installation and longevity.

PHOTOMETRICS



The asymmetric output has industry leading performance with a (70°) beam spread, focused on 45° above nadir. Installed in Wagner Lumenrail®, Lumenlinear performs with full IES cutoff. Reports to view or download are available by scanning the QR code or visiting our website.

LUMENGEAR™ - LED DRIVER & NEMA ENCLOSURE OPTIONS

Wagner offers multiple ETL listed options for both 24VDC power supplies and NEMA enclosures. Quantities and types will be configured based on your specifications and design. Additional specification options are available by request. Not all options apply to all products, please verify compatibility with the factory.

CLASS II DRIVERS:

- *STD 100W Non Dim
- 0-10V (PWM)
- Multiple Wattages
- 24VDC

NEMA ENCLOSURES:

- 4X, 6
- LUMENPOST™:**
Integrated 100W, 0-10V DIM

Specifications may change without prior notice, verify data at time of order, all rights reserved

Lineal Bollard

Illuminated Aluminum Bollard

STRUCTURA

FIXTURE TYPE: _____

PROJECT NAME: _____



High performance slender aluminum bollard with accent panel and configuration options.

FEATURES:

- Small 4" x 3" footprint
- Available with wood, aluminum, or weathering steel front accent panel
- Multiple distribution options
- Concealed mounting hardware

SPECIFICATIONS:

CONSTRUCTION: Seamless aluminum housing comprised of 6005A-T61 extrusion and 6061-T6 end plates. Secures to an A36 steel base weldment. Gasketed handhole access behind accent panel.

ELECTRICAL: Powered by a Class P 120-277VAC primary integral power supply behind gasketed handhole cover behind accent panel. System is 0-10V dimmable. Minimum -40°C operating temperature.

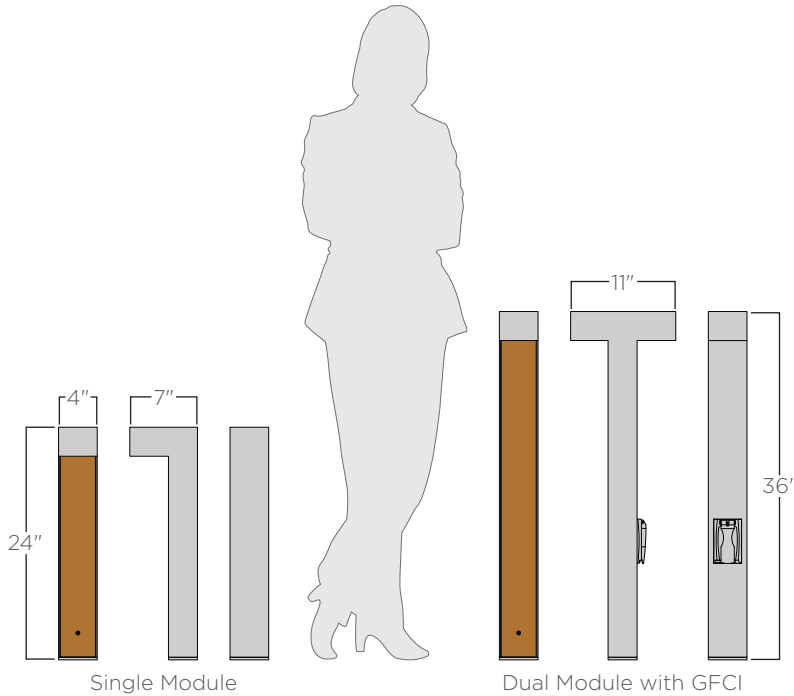
OPTICAL SYSTEM: LED boards have solderless connections for field upgradability. Available in 2700K, 3000K, 3500K and 4000K color temperatures with >90 CRI. Optics are UV resistant molded PMMA in Type II and V distributions. Consult factory for additional lumen output, CCT, and optical distribution options.

FINISHES AND MATERIALS: Wood pieces are finished with a low VOC waterborne matte exterior finish containing UV and mildew inhibitors. All aluminum parts are polyester powder coat painted to AAMA-2604 standards. [Care and Maintenance](#)

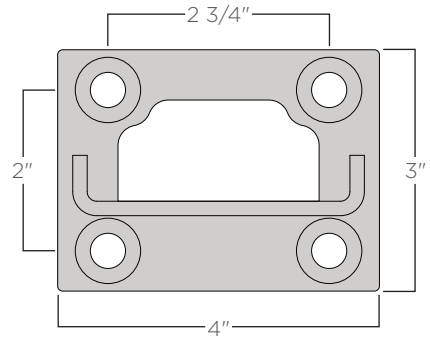
HARDWARE: All luminaire hardware is stainless steel. Anchor bolt kit is hot dipped galvanized.



LISTINGS & RATINGS: Luminaire CSA listed according to CSA C22.2 No. 250.0-18/UL Standard 1598. Suitable for wet locations. LM-80 test reported L70 > 60,500 hours and calculated L70 > 154,000 hours.



		Standard Output	
Module	Type	Lumens ⁽¹⁾	Watts
Single	II	721	11
Single	IV	725	11
Dual	II	1442	22
Dual	IV	1450	22
Dual	II/IV	1446	22
Dual	IV/II	1446	22



ORDERING GUIDE: EXAMPLE: LBL-S-36-L30SO-2-C5-P1/S3-UNV-STD



1	Series
LBL	Lineal Bollard
2	Module
S	Single
D	Dual
3	Overall Height
24	24"
36	36"
4	Light Color
L27	2700K ⁽²⁾
L30	3000K ⁽²⁾
L35	3500K
L40	4000K
AMB	Amber

5	Light Source⁽³⁾
SO	Standard Output
6	Distribution⁽⁴⁾
2	Type II
4	Type IV
2/4	Front Type II/Back IV
4/2	Front Type IV/Back II
7	Metal Finish
C*	See color options on finishes technical sheet
CSM	Custom Color

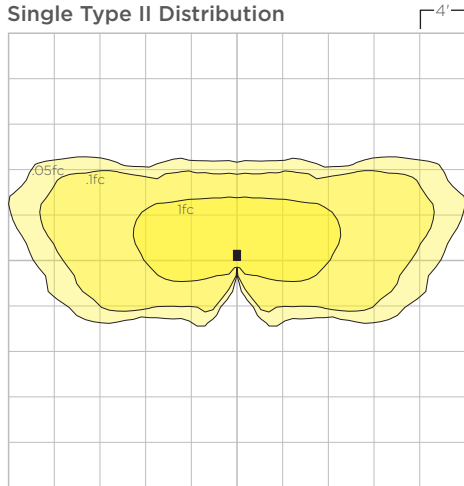
8	Panel Material⁽⁵⁾
P1/S*	Wood (specify color) ⁽⁶⁾
P2/C*	Aluminum (specify color) ⁽⁶⁾
WS	Weathering Steel
9	Voltage
UNV	120-277V
10	Options
GFCI	GFCI Box ⁽⁷⁾
11	Special
STD	Standard
MOD	Modified

- Lumen output based upon 2700K color temperature.
- 2700K or 3000K color temperature required for IDA certification.
- Consult factory for other output options.
- BUG rating of B0-U1-G1
- Accent panel only on front side of bollard.
- See color options on finishes technical sheet.
- GFCI box requires 36" bollard height.

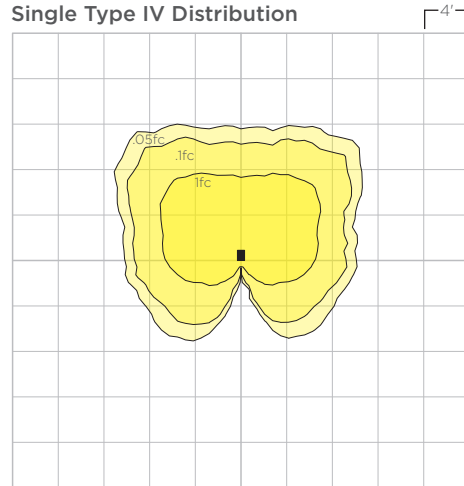
Lineal Bollard Illuminated Aluminum Bollard

FIXTURE TYPE: _____

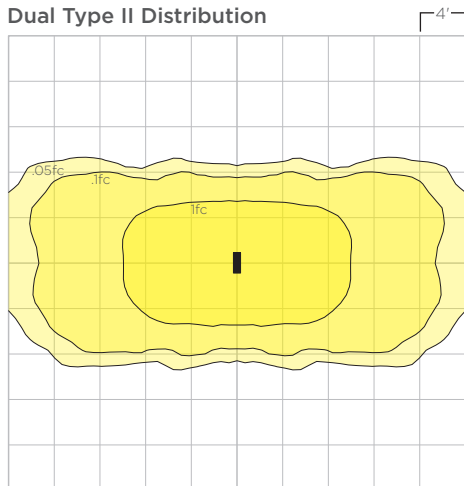
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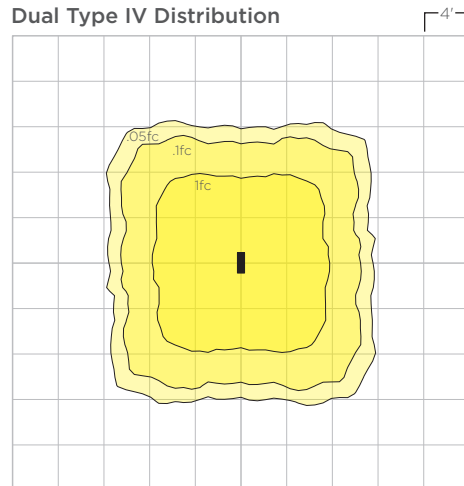
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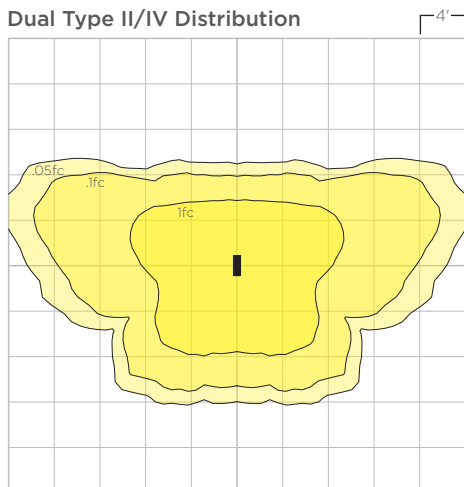
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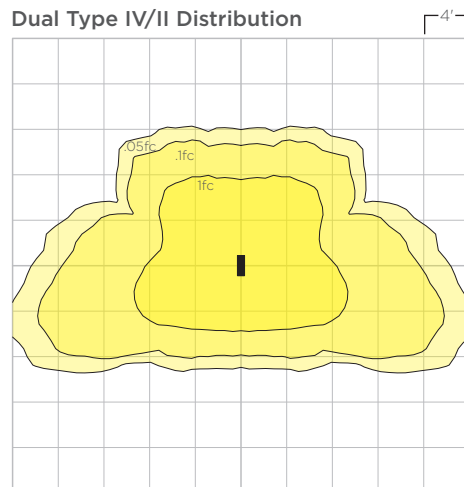
LBL-D-36-L27SO-2-C(X)-P(X)/(XX)-UNV-STD



LBL-D-36-L27SO-4-C(X)-P(X)/(XX)-UNV-STD



LBL-D-36-L27SO-2/4-C(X)-P(X)/(XX)-UNV-STD



LBL-D-36-L27SO-4/2-C(X)-P(X)/(XX)-UNV-STD

[IES file download](#)

Lineal Bollard

Illuminated Aluminum Bollard

STRUCTURA

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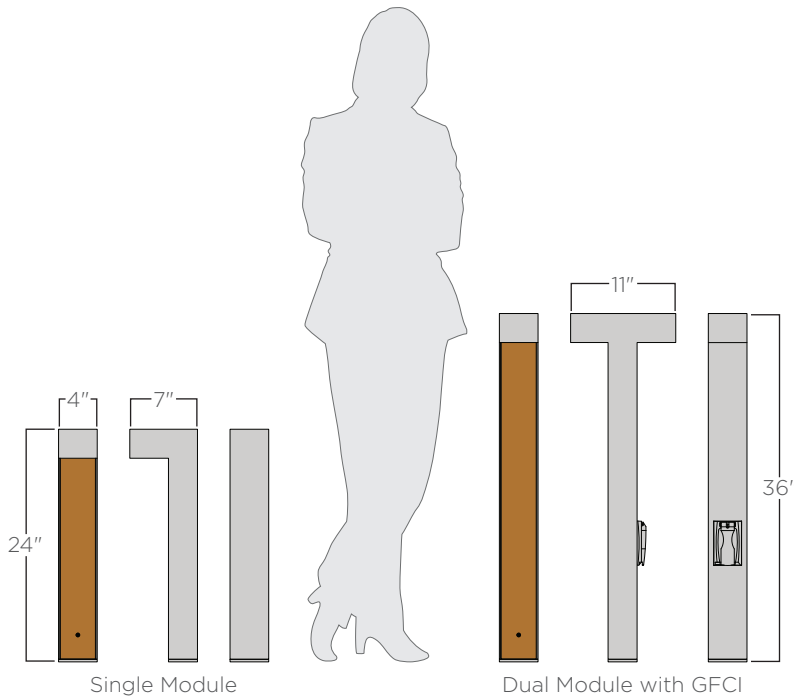
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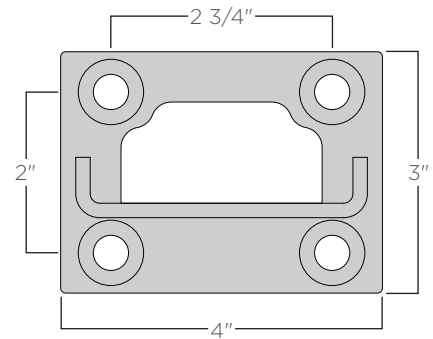
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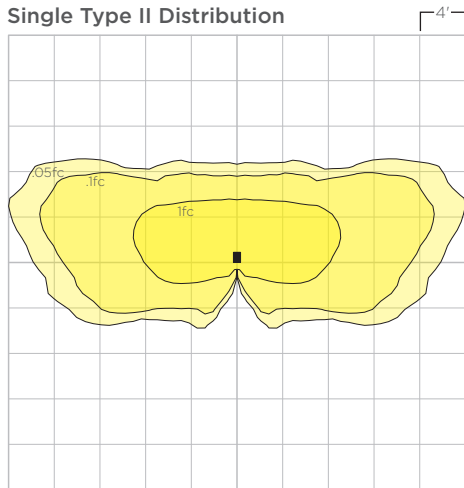
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9	Voltage
UNV	120-277V
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GFCI	GFCI Box ⁽⁷⁾
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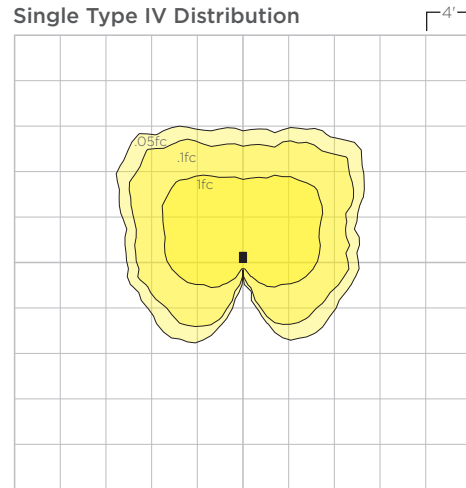
Lineal Bollard Illuminated Aluminum Bollard

FIXTURE TYPE: _____

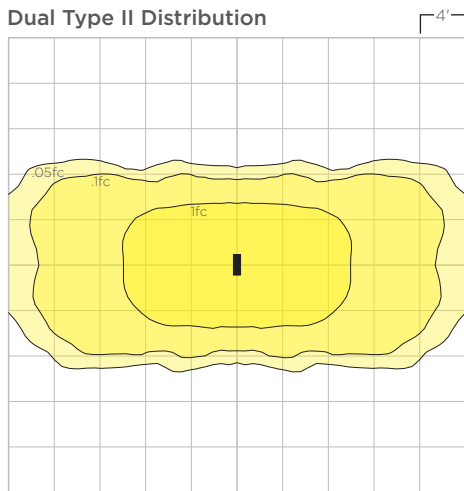
PROJECT NAME: _____



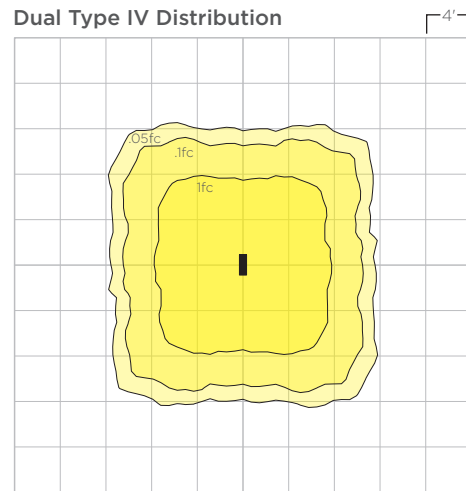
LBL-S-36-L27SO-2-C(X)-P(X)/(XX)-UNV-STD



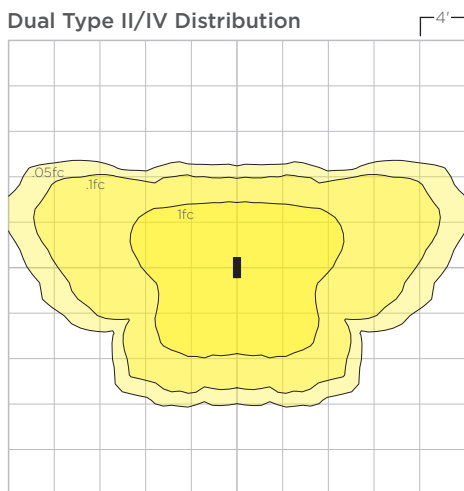
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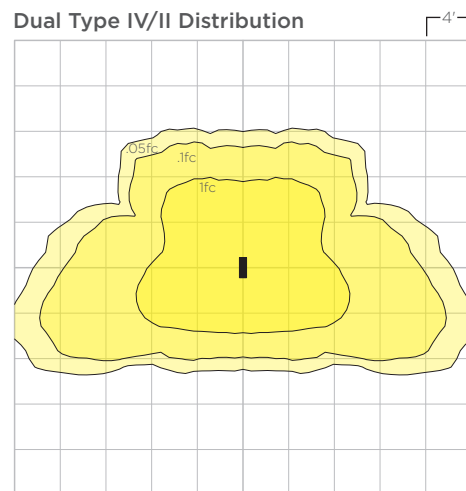
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LBL-D-36-L27SO-4-C(X)-P(X)/(XX)-UNV-STD



LBL-D-36-L27SO-2/4-C(X)-P(X)/(XX)-UNV-STD



LBL-D-36-L27SO-4/2-C(X)-P(X)/(XX)-UNV-STD

[IES file download](#)



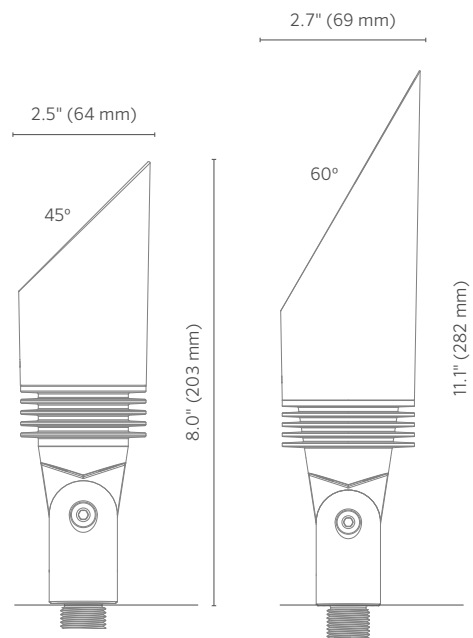
PROJECT
CATALOG #
TYPE
NOTES

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

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 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


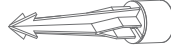

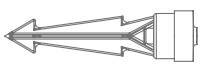






Fixture	Luxor Option	Output	Compliance	Shroud	Finish
NP*	■ [default] Zone	■ 3LED 135 Lumens	■ [default] ½" (13 mm) thread UL-Listed	■ [default] Standard Shroud (45°)	■ BZ Bronze Metallic
	■ ZD Zone/Dim	■ 6LED 280 Lumens	■ e Bracket Mount CE Approved	■ LS Long Shroud (60°)	■ DG Desert Granite
		■ 9LED 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 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	

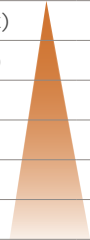
BEAM ANGLE LENSES: Specify Separately

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)	■ 1LEDWFLLENS	■ 3LEDWFLLENS	■ 9LEDWFLLENS

NP Up Light PHOTOMETRICS

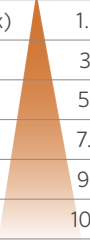
NP 1LED Illuminance at a Distance

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)



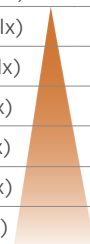
NP 3LED Illuminance at a Distance

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)



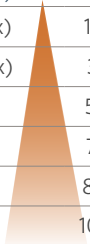
NP 6LED Illuminance at a Distance

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)



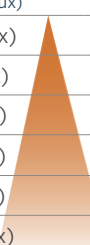
NP 9LED Illuminance at a Distance

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)



Wall luminaires with light in downward direction

Application

Designed to provide down lighting effects for interior and exterior locations featuring narrow beam light distribution.

Materials

Luminaire housing constructed of die-cast marine grade, copper free ($\leq 0.3\%$ copper content) A360.0 aluminum alloy
 Clear safety glass
 Reflector made of pure anodized aluminum
 Silicone applied robotically to casting, plasma treated for increased adhesion
 High temperature silicone gasket
 Mechanically captive stainless steel fasteners

NRTL listed to North American Standards, suitable for wet locations
 Protection class IP64
 Weight: 3.5lbs

Electrical

Operating voltage	120-277VAC
Minimum start temperature	-40° C
LED module wattage	4.0W
System wattage	6.0W
Controllability	0-10V dimmable
Color rendering index	Ra > 80
Luminaire lumens	318 lumens (3000K)
LED service life (L70)	60,000 hours

LED color temperature

4000K - Product number + **K4 (EXPRESS)**
 3500K - Product number + **K35**
3000K - Product number + **K3 (EXPRESS)**
 2700K - Product number + **K27**
 Amber - Product number + **AMB**

Wildlife friendly amber LED - Optional

Luminaire is optionally available with a narrow bandwidth, amber LED source (585-600nm) approved by the FWC. This light output is suggested for use within close proximity to sea turtle nesting and hatching habitats. Electrical and control information may vary from standard luminaire.

LED module wattage	4.5W (Amber)
System wattage	8.8W (Amber)
Luminaire lumens	90 lumens (Amber)

BEGA can supply you with suitable LED replacement modules for up to 20 years after the purchase of LED luminaires - see website for details

Finish

All BEGA standard finishes are matte, textured polyester powder coat with minimum 3 mil thickness.

Available colors	Black (BLK)	White (WHT)	RAL:
	Bronze (BRZ)	Silver (SLV)	CUS:



Wall luminaires with light in downward direction					
	LED	β	A	B	C
33 580	4.0W	23°	4 3/8	7 1/2	5

β = Beam angle

BEGA 1000 BEGA Way, Carpinteria, CA 93013 (805) 684-0533 info@bega-us.com

Due to the dynamic nature of lighting products and the associated technologies, luminaire data on this sheet is subject to change at the discretion of BEGA North America. For the most current technical data, please refer to bega-us.com
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LED wall luminaires - one-sided light output

BEGA

Application

LED wall luminaires with directed narrow beam light distribution on one side that can be oriented upward or downward. Arranged individually or in groups, they are great design elements for a host of lighting applications.

Materials

Luminaire housing and faceplate constructed of die-cast marine grade, copper free ($\leq 0.3\%$ copper content) A360.0 aluminum alloy
 Clear safety glass
 Reflector made of pure anodized aluminum
 High temperature silicone gasket
 Mechanically captive stainless steel fasteners

NRTL listed to North American Standards, suitable for wet locations
 Protection class IP 65
 Weight: 4.4 lbs

Electrical

Operating voltage	120-277VAC
Minimum start temperature	-30° C
LED module wattage	12.1 W
System wattage	14.0 W
Controllability	0-10V dimmable
Color rendering index	Ra > 80
Luminaire lumens	1,106 lumens (3000K)
Lifetime at Ta = 15° C	380,000 h (L70)
Lifetime at Ta = 40° C	230,000 h (L70)

LED color temperature

4000K - Product number + **K4**
 3500K - Product number + **K35**
 3000K - Product number + **K3**
 2700K - Product number + **K27**

BEGA can supply you with suitable LED replacement modules for up to 20 years after the purchase of LED luminaires - see website for details

Finish

All BEGA standard finishes are matte, textured polyester powder coat with minimum 3 mil thickness.

Available colors	Black (BLK)	White (WHT)	RAL:
	Bronze (BRZ)	Silver (SLV)	CUS:

Type:

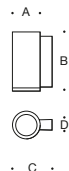
BEGA Product:

Project:

Modified:

Available Accessories

79547 Surface mounted wiring box
 See individual accessory spec sheet for details.



LED wall luminaire - one-sided light output							
	LED	β	A	B	C	D	Required wiring box
24034	12.1 W	18°	4 3/8	9	6 3/8	1 5/8	19537

β = Beam angle

BEGA 1000 BEGA Way, Carpinteria, CA 93013 (805) 684-0533 info@bega-us.com

Due to the dynamic nature of lighting products and the associated technologies, luminaire data on this sheet is subject to change at the discretion of BEGA North America. For the most current technical data, please refer to bega-us.com
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QUASAR 60 TECH



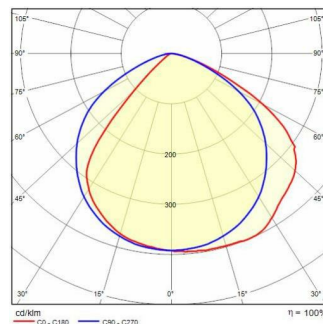
Part number	070412
Lampholder:	LED
Wattage:	19 W
Finish:	AN-96 / Iron gray / Textured
Degree of protection:	IP65
CRI:	80
Kelvin:	3000
Optic:	Asymmetric extra wide reflector
Luminaire lumen output:	2050 lm
L:	L80
B:	B10
Lifetime:	130000 h
cULus:	✓
Voltage:	120-277 V



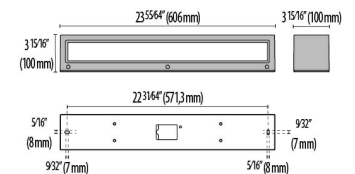
Description

- Wall sconce series. Fixtures consist of:
- Multi-step powder-coat painting process, optimized against UV rays and corrosion.
 - Copper-free precision die-cast aluminum housing and mounting plate.
 - Micro-prismatic patterned, tempered, silk-screened, flat glass diffuser.
 - Custom molded, anti-aging gasket(s).
 - Stainless steel external hardware.
 - Internal specular reflector coated with 5-layers of PVD 99.98% pure aluminum providing >95% reflection.
 - Custom MCPCB utilized to maximize heat dissipation and promote a long LED life.
 - Single (TECH) or dual (DOUBLE TECH) light emission.
 - IESNA Type III light distribution.
 - Input voltage: 120-277 V (50 / 60 Hz), integral 0-10 V dimming driver.
 - Junction box mounting plate included (for 4" octagon box only, provided by others).
 - Consult factory for dimming options, marine-grade, custom finishes (please specify RAL color), and non-cataloged CCT (Kelvin) options including static colors.
 - Product meets Buy American Act requirements within ARRA.
 - 5-year warranty.

Photometric data



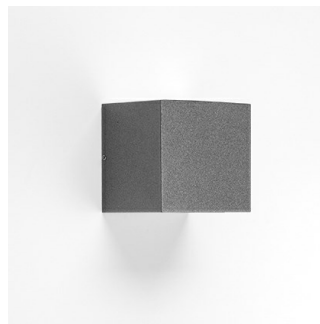
Technical drawings



QUASAR 10 1WB



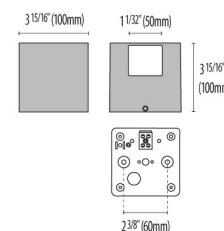
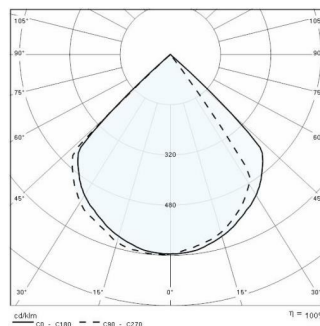
Part number	070182
Lampholder:	LED
Wattage:	3.5 W
Finish:	AN-96 / Textured
Degree of protection:	IP44
CRI:	80
Kelvin:	3000
Luminaire lumen output:	100 lm
L:	L80
B:	B10
Lifetime:	60000 h
cULus:	✓
Voltage:	120-277 V



Description

Photometric data

Technical drawings



Date

City / Location

Project name

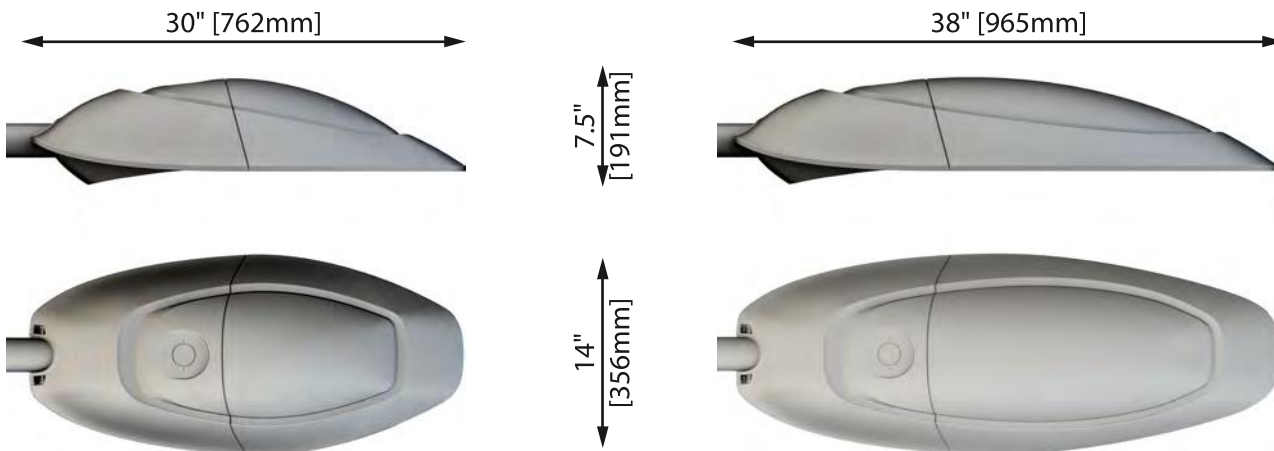
Type

QTY



Lumca's latest OVAALI series is synonymous with ultramodern lighting. Blending clean lines with an elegance that stands the test of time, the OVAALI series is the perfect solution for a truly distinctive look.

- 1800K, 2200K, 3000K and 4000K.
- 1 to 6 LED modules (30 to 350 watts).
- Light distribution in type I, II, III, IV and V.
- Tool-less access.
- IP66.
- UL certified.
- CSA / CSA-US certified.
- Dark sky.
- 3G vibration certified.
- DLC approved.



OL30 Weight : 25 lb [11.3 kg] EPA : 0.47 ft²

OL35 Weight : 35 lb [15.9 kg] EPA : 0.75 ft²






Ordering example: OL30 36LED07 80W 40K L3FL 120 BK TRP7

Luminaire	Source	CCT	Dist. type	Voltage	Color
OL30	- 36 LED07 80W	30K	L4	----	----

Options			
<input checked="" type="checkbox"/> HSS House Side Shield	<input type="checkbox"/> PRG Programmable Driver (Consult Factory)	<input type="checkbox"/> SGP10 Surge Protection (10kV)	<input type="checkbox"/> SGP20 Surge Protection (20kV)
<input type="checkbox"/> TRP NEMA 7-Pin Twist-Lock Photocell Receptacle (C/W photocell)	<input checked="" type="checkbox"/> TRP7 NEMA 7-Pin Twist-Lock Photocell Receptacle (C/W Shorting Cap)	<input type="checkbox"/> RCD Remote-Controlled Dimmer (Software NOT included)	

Lumca reserves the right to modify the elements on this technical data sheet without prior notice.

Source Overview	Type I-II-III-V			Type IV**		CCT Overview	Voltage Overview
	530mA	700mA	800mA & 1050mA	530mA	700mA		
OL30 & OL35	18LED05 30W	18LED07 40W	_____	12LED05 20W	12LED07 27W	18K (1800K) 22K (2200K) 30K (3000K) 40K (4000K)	120 208 240 277
	36LED05 60W	36LED07 80W	_____	24LED05 40W	24LED07 54W		
	54LED05 90W	54LED07 120W	_____	36LED05 60W	36LED07 80W		
OL35	72LED05 120W	72LED07 160W	108LED08 260W	48LED05 80W	48LED07 107W	30K (3000K) 40K (4000K)	347 480
	90LED05 150W	90LED07 190W	_____	60LED05 100W	60LED07 134W		
	108LED05 180W	108LED07 240W	108LED10 350W	72LED05 120W	72LED07 160W		

Distribution Overview	Type I	Type II	Type III	Type IV*	Type V	COLOR Chart	IES files
	L1	L2B	L3	L3FL	L4		
						See STD Color Chart HERE	See Online

CONSTRUCTION

Optical lens: Pc makrolon 2407
High pressure die cast: A380

- Housing made of die cast aluminium.
- Non-visible passive heatsink.
- Mounting arm bracket c/w (4) hexagonal head stainless steel bolts 1/2-13 UNC - 25 lb/ft torque.
- Arm adaptor for 1.66" to 2.375" OD [42mm to 60mm] arms.
- Tilt : -5° to 5°
- Silicon gasket insures the luminaire housing is protected from rain, insects and dust in accordance with international standard IP66.

OPTICAL SYSTEM

The optical system consists of high intensity white light emitting diodes (LEDs) divided in 1 to 4 light modules. The optical system is hermetically sealed to meet the international standard IP66.

ELECTRICAL COMPONENTS

Constant current, -40°C [-40°F] to 80°C [176°F], PF 0.99, 0-10v, 120V to 277V / 347V to 480V*. Option: Programmable (PRG).

Tool-less access, sealed driver compartment

All hardware is in stainless steel

FINISH

Powder coating minimum thickness 100 microns, ASTM D2247 5000 hours salt spray test.

All metallic parts are pre-treated using an environmentally friendly organic phosphating technology (PLAFORIZATION) before a polyester powder coating is electrostatically applied.

The finish is of 100 microns minimal thickness and meets the ASTM B117 regulation related to salt spray and the ASTM D2247 regulation related to the resistance of the finishes exposed to a 100% relative humidity.
RAL and Custom colour matches available.

Lumca reserves the right to modify the elements on this technical data sheet without prior notice.

FIXTURE TYPE: _____

PROJECT NAME: _____



Glulam solid wood shaft and aluminum base pole available in 8' - 24' heights

FEATURES:

- Available with straight, tapered, or square to round wood shaft
- Square extruded aluminum pole base with flush handhole cover held with countersunk stainless steel fasteners
- Tenon or drill mount fixture mounting

SPECIFICATIONS:

HOUSING: Solid wood pole is assembled through glulam construction and precision machined using CNC technology. An electrical raceway is provided in the pole's center for wiring. Laminations measure no more than 2" in thickness. Adhesive complies with ASTM D-2559 glulam construction specifications for extreme exposed weather conditions, is waterproof and rated for wet or dry use exposure.

Glulam wood shaft is fastened to aluminum pole base welded to a 3/4" thick aluminum anchor bolt base. Anchor bolt kit includes (4) 3/4" hot dip galvanized anchor bolts and fasteners and ridged concrete pour template.

ELECTRICAL: A 5/16" - 18 grounding point is provided on the aluminum pole base. Wireway access is provided through a NEC compliant handhole with a flush, gasketed cover plate.

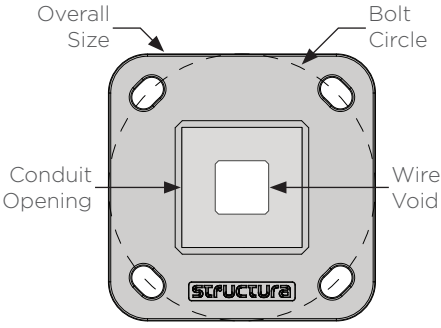
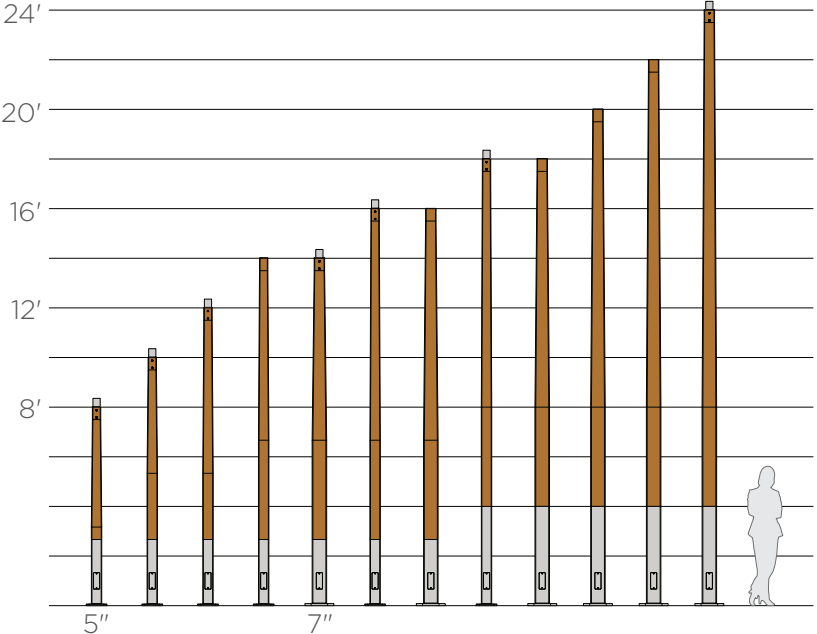
FINISHES AND MATERIALS: Wood pieces are finished with a low VOC waterborne matte exterior finish containing UV and mildew inhibitors. All exterior aluminum parts are polyester powder coat painted to AAMA-2604 standards. [Care and Maintenance](#)



Spar straight pole shown with banner bracket arm option.

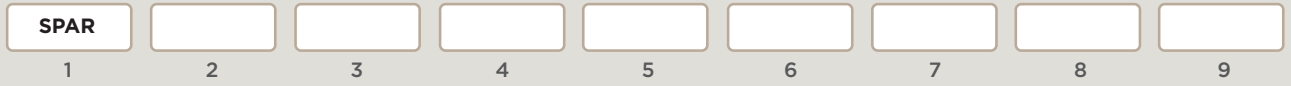
HARDWARE: All hand hole fasteners and luminaire bracket arm hardware are stainless steel. Anchor bolt kits are ASTM F1554 grade 55 steel with galvanized steel hex nuts and washers.

FIXTURE MOUNTING: Fixtures mount either by 2 3/8", 2 7/8", 3 1/2", or 4" diameter by 4" tall tenon or drill mount for arm brackets. Bolt mounted luminaires must use stainless steel hardware.



Pole Size	Baseplate Size	Bolt Circle	Base Height ⁽¹⁾	Conduit Opening	Wire Void
5.0"	10" Sq.	10" Dia.	32"/48"	4.5" Sq.	2" Sq.
7.0"	14" Sq.	14" Dia.	32"/48"	6.5" Sq.	2" Sq.

ORDERING GUIDE: EXAMPLE: SPAR-T-22-70-50-S1-C3-T3124-STD



<p>1</p> <p>SPAR</p> <hr/> <p>2</p> <p>S T SQRD</p> <hr/> <p>3</p> <p>8 10 12 14 16 18 20 22 24</p>	<p>Series</p> <p>Spar</p> <hr/> <p>Shaft Shape</p> <p>Square Straight Square Tapered Square to Round</p> <hr/> <p>Height</p> <p>8' 10' 12' 14' 16' 18' 20' 22' 24'</p>	<p>4</p> <p>50 70</p> <hr/> <p>5</p> <p>40 50 70</p> <hr/> <p>6</p> <p>S*</p> <hr/> <p>7</p> <p>C*</p> <hr/> <p>CSM</p>	<p>Base Dimension⁽²⁾</p> <p>5.0" 7.0"</p> <hr/> <p>Top Dimension</p> <p>4.0" 5.0" 7.0"</p> <hr/> <p>Wood Finish</p> <p>See color options on finishes technical sheet</p> <hr/> <p>Metal Finish</p> <p>See color options on finishes technical sheet Custom Color</p>	<p>8</p> <p>Tenon</p> <p>T2384 T2784 T3124 T4004 TXXX</p> <hr/> <p>Drill</p> <p>D1 D2 D3 D4 D5</p> <hr/> <p>9</p> <p>STD MOD</p>	<p>Fixture Mounting</p> <p>2 3/8" x 4" Tenon 2 7/8" x 4" Tenon 3 1/2" x 4" Tenon 4" x 4" Tenon Specify other Tenon</p> <hr/> <p>1 @ 90deg 2 @ 180deg 2 @ 90deg 3 @ 90deg 4 @ 90deg</p> <hr/> <p>Special</p> <p>Standard Modified</p>
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1. Poles with a height 18' and over have a 48" tall base. Contact Structura for other base height options.
2. See wind loading tables for allowable EPA.



Date

City / Location

Project name

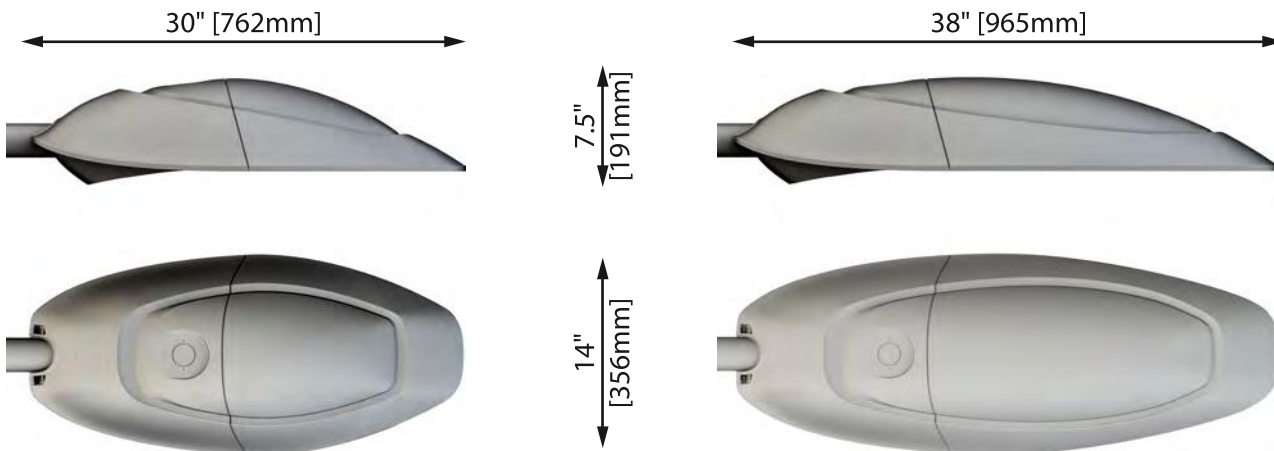
Type

QTY



Lumca's latest OVAALI series is synonymous with ultramodern lighting. Blending clean lines with an elegance that stands the test of time, the OVAALI series is the perfect solution for a truly distinctive look.

- 1800K, 2200K, 3000K and 4000K.
- 1 to 6 LED modules (30 to 350 watts).
- Light distribution in type I, II, III, IV and V.
- Tool-less access.
- IP66.
- UL certified.
- CSA / CSA-US certified.
- Dark sky.
- 3G vibration certified.
- DLC approved.



OL30

Weight : 25 lb [11.3 kg] EPA : 0.47 ft²

OL35

Weight : 35 lb [15.9 kg] EPA : 0.75 ft²






Ordering example: OL30 36LED07 80W 40K L3FL 120 BK TRP7

Luminaire	Source	CCT	Dist. type	Voltage	Color
OL30	- 36 LED07 80W	30K	L4	----	----

Options			
<input checked="" type="checkbox"/> HSS House Side Shield	<input type="checkbox"/> PRG Programmable Driver (Consult Factory)	<input type="checkbox"/> SGP10 Surge Protection (10kV)	<input type="checkbox"/> SGP20 Surge Protection (20kV)
<input type="checkbox"/> TRP NEMA 7-Pin Twist-Lock Photocell Receptacle (C/W photocell)	<input checked="" type="checkbox"/> TRP7 NEMA 7-Pin Twist-Lock Photocell Receptacle (C/W Shorting Cap)	<input type="checkbox"/> RCD Remote-Controlled Dimmer (Software NOT included)	

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Source Overview	Type I-II-III-V			Type IV**		CCT Overview	Voltage Overview
	530mA	700mA	800mA & 1050mA	530mA	700mA		
OL30 & OL35	18LED05 30W	18LED07 40W	_____	12LED05 20W	12LED07 27W	18K (1800K) 22K (2200K) 30K (3000K) 40K (4000K)	120 208 240 277
	36LED05 60W	36LED07 80W	_____	24LED05 40W	24LED07 54W		
	54LED05 90W	54LED07 120W	_____	36LED05 60W	36LED07 80W		
OL35	72LED05 120W	72LED07 160W	108LED08 260W	48LED05 80W	48LED07 107W	30K (3000K) 40K (4000K)	347 480
	90LED05 150W	90LED07 190W	_____	60LED05 100W	60LED07 134W		
	108LED05 180W	108LED07 240W	108LED10 350W	72LED05 120W	72LED07 160W		

Distribution Overview	Type I	Type II	Type III	Type IV*	Type V	COLOR Chart	IES files
	L1	L2B	L3	L3FL	L4		
						See STD Color Chart HERE	See Online

CONSTRUCTION

Optical lens: Pc makrolon 2407
High pressure die cast: A380

- Housing made of die cast aluminium.
- Non-visible passive heatsink.
- Mounting arm bracket c/w (4) hexagonal head stainless steel bolts 1/2-13 UNC - 25 lb/ft torque.
- Arm adaptor for 1.66" to 2.375" OD [42mm to 60mm] arms.
- Tilt : -5° to 5°
- Silicon gasket insures the luminaire housing is protected from rain, insects and dust in accordance with international standard IP66.

OPTICAL SYSTEM

The optical system consists of high intensity white light emitting diodes (LEDs) divided in 1 to 4 light modules. The optical system is hermetically sealed to meet the international standard IP66.

ELECTRICAL COMPONENTS

Constant current, -40°C [-40°F] to 80°C [176°F], PF 0.99, 0-10v, 120V to 277V / 347V to 480V*. Option: Programmable (PRG).

Tool-less access, sealed driver compartment

All hardware is in stainless steel

FINISH

Powder coating minimum thickness 100 microns, ASTM D2247 5000 hours salt spray test.

All metallic parts are pre-treated using an environmentally friendly organic phosphating technology (PLAFORIZATION) before a polyester powder coating is electrostatically applied.

The finish is of 100 microns minimal thickness and meets the ASTM B117 regulation related to salt spray and the ASTM D2247 regulation related to the resistance of the finishes exposed to a 100% relative humidity.
RAL and Custom colour matches available.

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Spar 8' – 24' Square Tapered and Straight Wood Poles

FIXTURE TYPE: _____

PROJECT NAME: _____



Glulam solid wood shaft and aluminum base pole available in 8' – 24' heights

FEATURES:

- Available with straight, tapered, or square to round wood shaft
- Square extruded aluminum pole base with flush handhole cover held with countersunk stainless steel fasteners
- Tenon or drill mount fixture mounting

SPECIFICATIONS:

HOUSING: Solid wood pole is assembled through glulam construction and precision machined using CNC technology. An electrical raceway is provided in the pole's center for wiring. Laminations measure no more than 2" in thickness. Adhesive complies with ASTM D-2559 glulam construction specifications for extreme exposed weather conditions, is waterproof and rated for wet or dry use exposure.

Glulam wood shaft is fastened to aluminum pole base welded to a 3/4" thick aluminum anchor bolt base. Anchor bolt kit includes (4) 3/4" hot dip galvanized anchor bolts and fasteners and ridged concrete pour template.

ELECTRICAL: A 5/16" – 18 grounding point is provided on the aluminum pole base. Wireway access is provided through a NEC compliant handhole with a flush, gasketed cover plate.

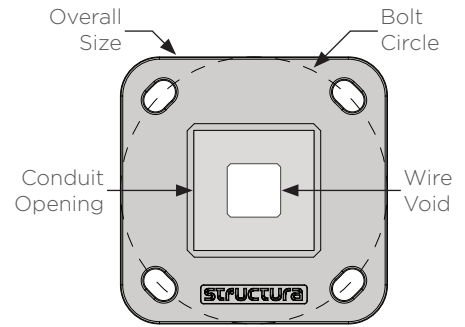
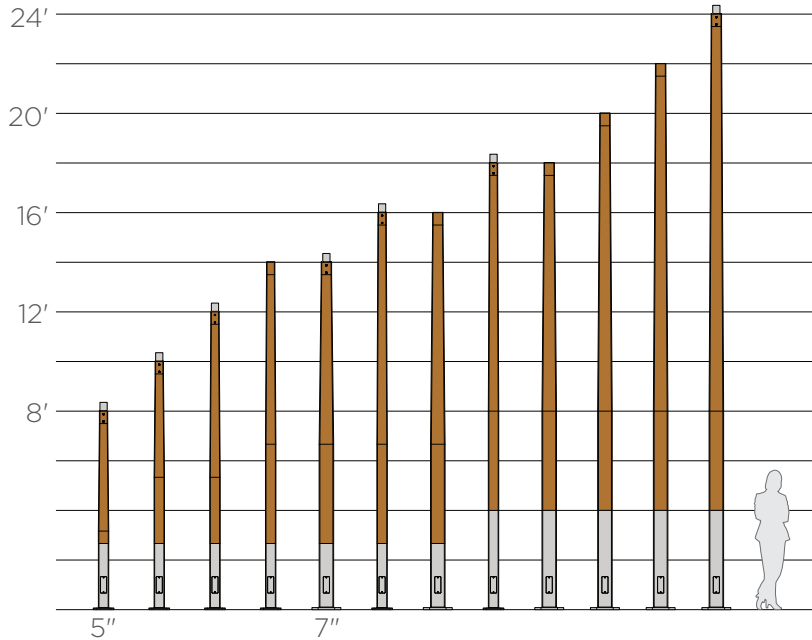
FINISHES AND MATERIALS: Wood pieces are finished with a low VOC waterborne matte exterior finish containing UV and mildew inhibitors. All exterior aluminum parts are polyester powder coat painted to AAMA-2604 standards. [Care and Maintenance](#)



Spar straight pole shown with banner bracket arm option.

HARDWARE: All hand hole fasteners and luminaire bracket arm hardware are stainless steel. Anchor bolt kits are ASTM F1554 grade 55 steel with galvanized steel hex nuts and washers.

FIXTURE MOUNTING: Fixtures mount either by 2 3/8", 2 7/8", 3 1/2", or 4" diameter by 4" tall tenon or drill mount for arm brackets. Bolt mounted luminaires must use stainless steel hardware.



Pole Size	Baseplate Size	Bolt Circle	Base Height ⁽¹⁾	Conduit Opening	Wire Void
5.0"	10" Sq.	10" Dia.	32"/48"	4.5" Sq.	2" Sq.
7.0"	14" Sq.	14" Dia.	32"/48"	6.5" Sq.	2" Sq.

ORDERING GUIDE: EXAMPLE: SPAR-T-22-70-50-S1-C3-T3124-STD

SPAR								
1	2	3	4	5	6	7	8	9

<p>1</p> <p>SPAR</p> <p>2</p> <p>S T SQRD</p> <p>3</p> <p>8 10 12 14 16 18 20 22 24</p>	<p>Series</p> <p>Spar</p> <p>Shaft Shape</p> <p>Square Straight Square Tapered Square to Round</p> <p>Height</p> <p>8' 10' 12' 14' 16' 18' 20' 22' 24'</p>	<p>4</p> <p>50 70</p> <p>5</p> <p>40 50 70</p> <p>6</p> <p>S*</p> <p>7</p> <p>C*</p> <p>CSM</p>	<p>Base Dimension⁽²⁾</p> <p>5.0" 7.0"</p> <p>Top Dimension</p> <p>4.0" 5.0" 7.0"</p> <p>Wood Finish</p> <p>See color options on finishes technical sheet</p> <p>Metal Finish</p> <p>See color options on finishes technical sheet Custom Color</p>	<p>8</p> <p>Tenon</p> <p>T2384 T2784 T3124 T4004 TXXX</p> <p>Drill</p> <p>D1 D2 D3 D4 D5</p> <p>9</p> <p>STD MOD</p>	<p>Fixture Mounting</p> <p>2 3/8" x 4" Tenon 2 7/8" x 4" Tenon 3 1/2" x 4" Tenon 4" x 4" Tenon Specify other Tenon</p> <p>1 @ 90deg 2 @ 180deg 2 @ 90deg 3 @ 90deg 4 @ 90deg</p> <p>Special</p> <p>Standard Modified</p>
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1. Poles with a height 18' and over have a 48" tall base. Contact Structura for other base height options.
2. See wind loading tables for allowable EPA.



Date

City / Location

Project name

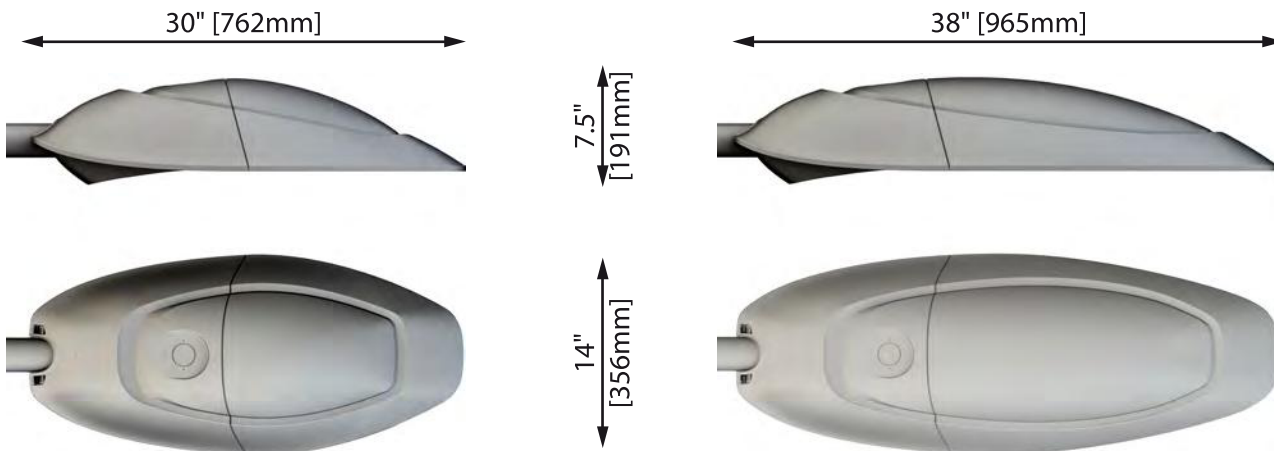
Type

QTY



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- 1 to 6 LED modules (30 to 350 watts).
- Light distribution in type I, II, III, IV and V.
- Tool-less access.
- IP66.
- UL certified.
- CSA / CSA-US certified.
- Dark sky.
- 3G vibration certified.
- DLC approved.



OL30 Weight : 25 lb [11.3 kg] EPA : 0.47 ft²

OL35 Weight : 35 lb [15.9 kg] EPA : 0.75 ft²






Ordering example: OL30 36LED07 80W 40K L3FL 120 BK TRP7

Luminaire	Source	CCT	Dist. type	Voltage	Color
OL30	- 24 LED07 54W	30K	L4	----	----

Options			
<input checked="" type="checkbox"/> HSS House Side Shield	<input type="checkbox"/> PRG Programmable Driver (Consult Factory)	<input type="checkbox"/> SGP10 Surge Protection (10kV)	<input type="checkbox"/> SGP20 Surge Protection (20kV)
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Source Overview	Type I-II-III-V			Type IV**		CCT Overview	Voltage Overview
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OL30 & OL35	18LED05 30W	18LED07 40W	_____	12LED05 20W	12LED07 27W	18K (1800K) 22K (2200K) 30K (3000K) 40K (4000K)	120 208 240 277
	36LED05 60W	36LED07 80W	_____	24LED05 40W	24LED07 54W		
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OL35	72LED05 120W	72LED07 160W	108LED08 260W	48LED05 80W	48LED07 107W	30K (3000K) 40K (4000K)	347 480
	90LED05 150W	90LED07 190W	_____	60LED05 100W	60LED07 134W		
	108LED05 180W	108LED07 240W	108LED10 350W	72LED05 120W	72LED07 160W		

Distribution Overview	Type I	Type II	Type III	Type IV*	Type V	COLOR Chart	IES files
	L1	L2B	L3	L3FL	L4		
						See STD Color Chart HERE	See Online

CONSTRUCTION

Optical lens: Pc makrolon 2407
High pressure die cast: A380

- Housing made of die cast aluminium.
- Non-visible passive heatsink.
- Mounting arm bracket c/w (4) hexagonal head stainless steel bolts 1/2-13 UNC - 25 lb/ft torque.
- Arm adaptor for 1.66" to 2.375" OD [42mm to 60mm] arms.
- Tilt : -5° to 5°
- Silicon gasket insures the luminaire housing is protected from rain, insects and dust in accordance with international standard IP66.

OPTICAL SYSTEM

The optical system consists of high intensity white light emitting diodes (LEDs) divided in 1 to 4 light modules. The optical system is hermetically sealed to meet the international standard IP66.

ELECTRICAL COMPONENTS

Constant current, -40°C [-40°F] to 80°C [176°F], PF 0.99, 0-10v, 120V to 277V / 347V to 480V*. Option: Programmable (PRG).

Tool-less access, sealed driver compartment

All hardware is in stainless steel

FINISH

Powder coating minimum thickness 100 microns, ASTM D2247 5000 hours salt spray test.

All metallic parts are pre-treated using an environmentally friendly organic phosphating technology (PLAFORIZATION) before a polyester powder coating is electrostatically applied.

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Spar 8' – 24' Square Tapered and Straight Wood Poles

STRUCTURA

FIXTURE TYPE: _____

PROJECT NAME: _____



Glulam solid wood shaft and aluminum base pole available in 8' – 24' heights

FEATURES:

- Available with straight, tapered, or square to round wood shaft
- Square extruded aluminum pole base with flush handhole cover held with countersunk stainless steel fasteners
- Tenon or drill mount fixture mounting

SPECIFICATIONS:

HOUSING: Solid wood pole is assembled through glulam construction and precision machined using CNC technology. An electrical raceway is provided in the pole's center for wiring. Laminations measure no more than 2" in thickness. Adhesive complies with ASTM D-2559 glulam construction specifications for extreme exposed weather conditions, is waterproof and rated for wet or dry use exposure.

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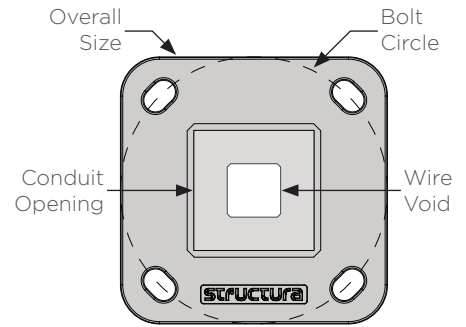
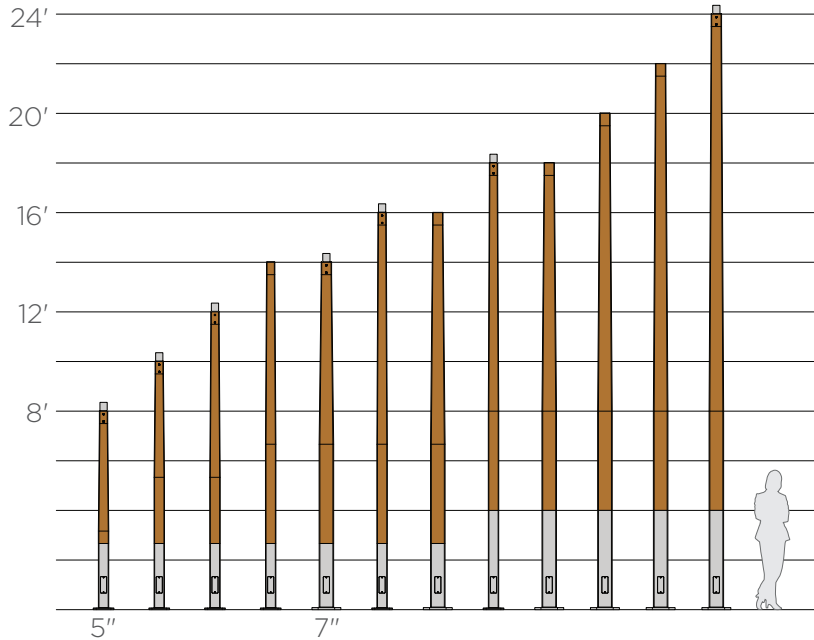
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Spar straight pole shown with banner bracket arm option.

HARDWARE: All hand hole fasteners and luminaire bracket arm hardware are stainless steel. Anchor bolt kits are ASTM F1554 grade 55 steel with galvanized steel hex nuts and washers.

FIXTURE MOUNTING: Fixtures mount either by 2 3/8", 2 7/8", 3 1/2", or 4" diameter by 4" tall tenon or drill mount for arm brackets. Bolt mounted luminaires must use stainless steel hardware.



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ORDERING GUIDE: EXAMPLE: SPAR-T-22-70-50-S1-C3-T3124-STD

SPAR

<p>1</p> <div style="border: 1px solid red; padding: 2px;">SPAR</div> <p>2</p> <p>S T SQRD</p> <p>3</p> <p>8 10 12 <div style="border: 1px solid red; padding: 2px;">14</div> 16 18 20 22 24</p>	<p>Series</p> <p>Spar</p> <p>Shaft Shape</p> <p>Square Straight Square Tapered Square to Round</p> <p>Height</p> <p>8' 10' 12' 14' 16' 18' 20' 22' 24'</p>	<p>4</p> <p>50 70</p> <p>5</p> <p>40 50 70</p> <p>6</p> <p>S*</p> <p>7</p> <p>C*</p> <p>CSM</p>	<p>Base Dimension⁽²⁾</p> <p>5.0" 7.0"</p> <p>Top Dimension</p> <p>4.0" 5.0" 7.0"</p> <p>Wood Finish</p> <p>See color options on finishes technical sheet</p> <p>Metal Finish</p> <p>See color options on finishes technical sheet Custom Color</p>	<p>8</p> <p><i>Tenon</i></p> <p>T2384 T2784 T3124 T4004 TXXX</p> <p><i>Drill</i></p> <div style="border: 1px solid red; padding: 2px;">D1</div> <p>D2 D3 D4 D5</p> <p>9</p> <p>STD MOD</p>	<p>Fixture Mounting</p> <p>2 3/8" x 4" Tenon 2 7/8" x 4" Tenon 3 1/2" x 4" Tenon 4" x 4" Tenon Specify other Tenon</p> <p>1 @ 90deg 2 @ 180deg 2 @ 90deg 3 @ 90deg 4 @ 90deg</p> <p>Special</p> <p>Standard Modified</p>
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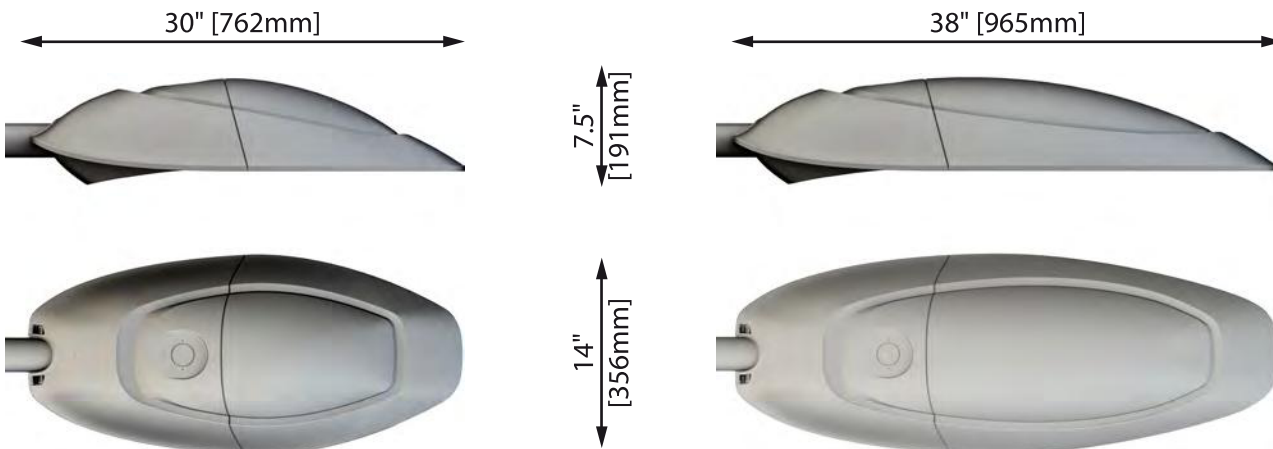
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OL30

Weight : 25 lb [11.3 kg] EPA : 0.47 ft²

OL35

Weight : 35 lb [15.9 kg] EPA : 0.75 ft²






Ordering example: OL30 36LED07 80W 40K L3FL 120 BK TRP7

Luminaire	Source	CCT	Dist. type	Voltage	Color
OL30	- 24 LED07 54W	30K	L4	----	----

Options			
<input checked="" type="checkbox"/> HSS House Side Shield	<input type="checkbox"/> PRG Programmable Driver (Consult Factory)	<input type="checkbox"/> SGP10 Surge Protection (10kV)	<input type="checkbox"/> SGP20 Surge Protection (20kV)
<input type="checkbox"/> TRP NEMA 7-Pin Twist-Lock Photocell Receptacle (C/W photocell)	<input checked="" type="checkbox"/> TRP7 NEMA 7-Pin Twist-Lock Photocell Receptacle (C/W Shorting Cap)	<input type="checkbox"/> RCD Remote-Controlled Dimmer (Software NOT included)	

Lumca reserves the right to modify the elements on this technical data sheet without prior notice.

Source Overview	Type I-II-III-V			Type IV**		CCT Overview	Voltage Overview
	530mA	700mA	800mA & 1050mA	530mA	700mA		
OL30 & OL35	18LED05 30W	18LED07 40W	_____	12LED05 20W	12LED07 27W	18K (1800K) 22K (2200K) 30K (3000K) 40K (4000K)	120 208 240 277 347 480
	36LED05 60W	36LED07 80W	_____	24LED05 40W	24LED07 54W		
	54LED05 90W	54LED07 120W	_____	36LED05 60W	36LED07 80W		
OL35	72LED05 120W	72LED07 160W	108LED08 260W	48LED05 80W	48LED07 107W		
	90LED05 150W	90LED07 190W		60LED05 100W	60LED07 134W		
	108LED05 180W	108LED07 240W	108LED10 350W	72LED05 120W	72LED07 160W		

Distribution Overview	Type I	Type II	Type III	Type IV*	Type V	COLOR Chart	IES files
	L1	L2B	L3	L3FL	L4		
						See STD Color Chart HERE	See Online

CONSTRUCTION

Optical lens: Pc makrolon 2407
High pressure die cast: A380

- Housing made of die cast aluminium.
- Non-visible passive heatsink.
- Mounting arm bracket c/w (4) hexagonal head stainless steel bolts 1/2-13 UNC - 25 lb/ft torque.
- Arm adaptor for 1.66" to 2.375" OD [42mm to 60mm] arms.
- Tilt : -5° to 5°
- Silicon gasket insures the luminaire housing is protected from rain, insects and dust in accordance with international standard IP66.

OPTICAL SYSTEM

The optical system consists of high intensity white light emitting diodes (LEDs) divided in 1 to 4 light modules. The optical system is hermetically sealed to meet the international standard IP66.

ELECTRICAL COMPONENTS

Constant current, -40°C [-40°F] to 80°C [176°F], PF 0.99, 0-10v, 120V to 277V / 347V to 480V*. Option: Programmable (PRG).

Tool-less access, sealed driver compartment

All hardware is in stainless steel

FINISH

Powder coating minimum thickness 100 microns, ASTM D2247 5000 hours salt spray test.

All metallic parts are pre-treated using an environmentally friendly organic phosphating technology (PLAFORIZATION) before a polyester powder coating is electrostatically applied.

The finish is of 100 microns minimal thickness and meets the ASTM B117 regulation related to salt spray and the ASTM D2247 regulation related to the resistance of the finishes exposed to a 100% relative humidity.
RAL and Custom colour matches available.

Lumca reserves the right to modify the elements on this technical data sheet without prior notice.

Spar 8' – 24' Square Tapered and Straight Wood Poles

FIXTURE TYPE: _____

PROJECT NAME: _____



Glulam solid wood shaft and aluminum base pole available in 8' – 24' heights

FEATURES:

- Available with straight, tapered, or square to round wood shaft
- Square extruded aluminum pole base with flush handhole cover held with countersunk stainless steel fasteners
- Tenon or drill mount fixture mounting

SPECIFICATIONS:

HOUSING: Solid wood pole is assembled through glulam construction and precision machined using CNC technology. An electrical raceway is provided in the pole's center for wiring. Laminations measure no more than 2" in thickness. Adhesive complies with ASTM D-2559 glulam construction specifications for extreme exposed weather conditions, is waterproof and rated for wet or dry use exposure.

Glulam wood shaft is fastened to aluminum pole base welded to a 3/4" thick aluminum anchor bolt base. Anchor bolt kit includes (4) 3/4" hot dip galvanized anchor bolts and fasteners and ridged concrete pour template.

ELECTRICAL: A 5/16" – 18 grounding point is provided on the aluminum pole base. Wireway access is provided through a NEC compliant handhole with a flush, gasketed cover plate.

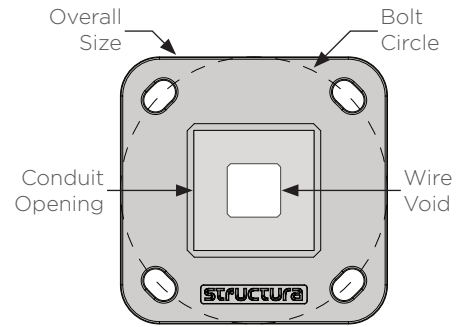
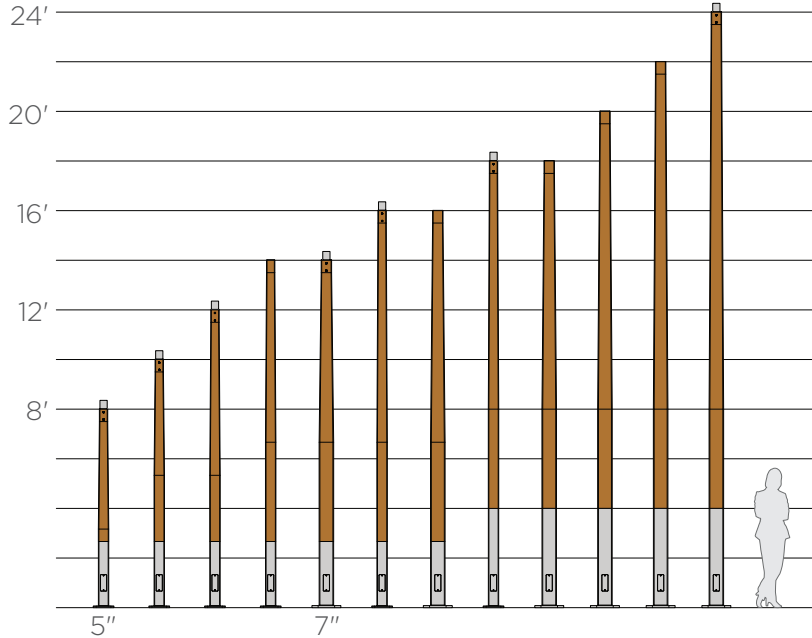
FINISHES AND MATERIALS: Wood pieces are finished with a low VOC waterborne matte exterior finish containing UV and mildew inhibitors. All exterior aluminum parts are polyester powder coat painted to AAMA-2604 standards. [Care and Maintenance](#)



Spar straight pole shown with banner bracket arm option.

HARDWARE: All hand hole fasteners and luminaire bracket arm hardware are stainless steel. Anchor bolt kits are ASTM F1554 grade 55 steel with galvanized steel hex nuts and washers.

FIXTURE MOUNTING: Fixtures mount either by 2 3/8", 2 7/8", 3 1/2", or 4" diameter by 4" tall tenon or drill mount for arm brackets. Bolt mounted luminaires must use stainless steel hardware.



Pole Size	Baseplate Size	Bolt Circle	Base Height ⁽¹⁾	Conduit Opening	Wire Void
5.0"	10" Sq.	10" Dia.	32"/48"	4.5" Sq.	2" Sq.
7.0"	14" Sq.	14" Dia.	32"/48"	6.5" Sq.	2" Sq.

ORDERING GUIDE: EXAMPLE: SPAR-T-22-70-50-S1-C3-T3124-STD

SPAR								
1	2	3	4	5	6	7	8	9

<p>1</p> <p>SPAR</p> <p>2</p> <p>S T SQRD</p> <p>3</p> <p>8 10 12 14 16 18 20 22 24</p>	<p>Series</p> <p>Spar</p> <p>Shaft Shape</p> <p>Square Straight Square Tapered Square to Round</p> <p>Height</p> <p>8' 10' 12' 14' 16' 18' 20' 22' 24'</p>	<p>4</p> <p>50 70</p> <p>5</p> <p>40 50 70</p> <p>6</p> <p>S*</p> <p>7</p> <p>C*</p> <p>CSM</p>	<p>Base Dimension⁽²⁾</p> <p>5.0" 7.0"</p> <p>Top Dimension</p> <p>4.0" 5.0" 7.0"</p> <p>Wood Finish</p> <p>See color options on finishes technical sheet</p> <p>Metal Finish</p> <p>See color options on finishes technical sheet Custom Color</p>	<p>8</p> <p>Tenon</p> <p>T2384 T2784 T3124 T4004 TXXX</p> <p>Drill</p> <p>D1 D2 D3 D4 D5</p> <p>9</p> <p>STD MOD</p>	<p>Fixture Mounting</p> <p>2 3/8" x 4" Tenon 2 7/8" x 4" Tenon 3 1/2" x 4" Tenon 4" x 4" Tenon Specify other Tenon</p> <p>1 @ 90deg 2 @ 180deg 2 @ 90deg 3 @ 90deg 4 @ 90deg</p> <p>Special</p> <p>Standard Modified</p>
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1. Poles with a height 18' and over have a 48" tall base. Contact Structura for other base height options.
2. See wind loading tables for allowable EPA.