

exterior lighting

REFER TO EXTERIOR LIGHTING FIXTURE SCHEDULE AND CUTSHEETS FOR FURTHER INFORMATION

FIXTURE TYPE	FIXTURE SYMBOL	FIXTURE DESCRIPTION
XB-01		ASYMMETRIC DISTRIBUTION BOLLARD
XB-02		SYMMETRIC DISTRIBUTION BOLLARD
XLF-01		SURFACE MOUNTED FLOOD DISTRIBUTION AREA LIGHT (NOT SHOWN ON CURRENT PLAN, PLACEHOLDER ONLY)
XLF-02		CATENARY CABLE MOUNTED DIRECT WIDE BEAM DISTRIBUTION CYLINDER FIXTURE
XLF-03		COLUMN MOUNTED WITH BRACKET WIDE FLOOD OR ASYMMETRIC DISTRIBUTION FLOODLIGHT
XL-01		SURFACE MOUNTED WIDE DISTRIBUTION LINEAR COVE LIGHT
XP-01		EXISTING PEDESTRIAN POLE LIGHT
XP-02		NEW PEDESTRIAN POLE LIGHT TO MATCH EXISTING
XP-03		PEDESTRIAN POLE LIGHT AT PARKING AREA
XU-01		STAKE MOUNTED TREE UPLIGHT
XU-02		TREE MOUNTED WIDE UP/DOWN DISTRIBUTION AREA LIGHT

REFERENCE NOTES SCHEDULE

SYMBOL	1 - PAVING & SURFACING: DIVISION 32 DESCRIPTION
	DESERT PAVING
	RIP RAP
	DECOMPOSED GRANITE

PLANT SCHEDULE

TREES	BOTANICAL / COMMON NAME	SIZE
	DERMATOPHYLLUM SECUNDIFLORUM TEXAS MOUNTAIN LAUREL	24" BOX
	EUCALYPTUS PAPUANA GHOST GUM	36" BOX, 3" CAL
	EYSENHARDTIA ORTHOCARPA KIDNEYWOOD	24" BOX
	OLNEYA TESOTA DESERT IRONWOOD	36" BOX, 3" CAL

	PARKINSONIA X 'DESERT MUSEUM' DESERT MUSEUM PALO VERDE	36" BOX, 3" CAL
	PHOENIX DACTYLIFERA DATE PALM	16" HT.
	PROSOPIS GLANDULOSA 'MAVERICK' MAVERICK THORNLESS HONEY MESQUITE	36" BOX, 3" CAL
	QUERCUS FUSIFORMIS 'JOAN LIONETTI' JOAN LIONETTI TEXAS LIVE OAK	36" BOX, 3" CAL

CONCEPT PLANT SCHEDULE

	SUNRISE PLAZA XERIC ASCLEPIAS TUBEROSA / BUTTERFLY MILKWEED BAILEYA MULTIRADIATA / DESERT MARIGOLD BOUVARDIA TERNIFOLIA / SCARLET BOUVARDIA CALYLOPHUS HARTWEGII / HARTWEG'S SUNDROPS HESPERALOE PARVIFLORA 'PERPA' / BRAKELIGHTS® RED YUCCA JUSTICIA CALIFORNICA / CHUPAROSA LANTANA X 'NEW GOLD' / NEW GOLD LANTANA SPHAERALCEA AMBIGUA 'LOUIS HAMILTON' / LOUIS HAMILTON GLOBEMALLOW
	SUNRISE PLAZA RIPARIAN ANISACANTHUS THURBERI / THURBER'S DESERT HONEYSUCKLE EPILOBIUM CANUM / CALIFORNIA FUCHSIA JUSTICIA SPICIGERA / MEXICAN HONEYSUCKLE OENOTHERA ELATA / HOOKER'S EVENING PRIMROSE TECOMA STANS ANGUSTATA / YELLOW BELLS

	POLLINATOR GARDEN XERIC ASCLEPIAS LATIFOLIA / BROADLEAF MILKWEED ASCLEPIAS TUBEROSA / BUTTERFLY MILKWEED BAILEYA MULTIRADIATA / DESERT MARIGOLD BERBERIS HAEMATOCARPA / RED BARBERRY BOUVARDIA TERNIFOLIA / SCARLET BOUVARDIA CUPHEA HYSSOPIFOLIA / FALSE HEATHER DALEA PULCHRA / SANTA CATALINA PRAIRIE CLOVER ERICAMERIA LARICIFOLIA 'AGUIRRE' / AGUIRRE TURPENTINE BUSH FOUQUIERIA SPLENDENS / OCOTILLO GAILLARDIA PULCHELLA / ANNUAL GAILLARDIA GLANDULARIA GOODDINGII / GOODDING'S VERBENA JUSTICIA CALIFORNICA / CHUPAROSA LEUCOPHYLLUM FRUTESCENS / TEXAS SAGE LINUM LEWISII 'BLUE FLAX' / BLUE FLAX OENOTHERA LINDHEIMERI / GAURA OENOTHERA SPECIOSA / MEXICAN EVENING PRIMROSE PLUMBAGO SCANDENS / MEXICAN PLUMBAGO SPHAERALCEA AMBIGUA 'LOUIS HAMILTON' / LOUIS HAMILTON GLOBEMALLOW
--	--

	POLLINATOR GARDEN RIPARIAN ALOYSIA GRATISSIMA / WHITEBRUSH ANISACANTHUS THURBERI / THURBER'S DESERT HONEYSUCKLE ASCLEPIAS ANGUSTIFOLIA / ARIZONA MILKWEED CALLIANDRA ERIOPHYLLA / FAIRY DUSTER CONOCLINUM DISSECTUM 'BOOTHILL' / 'BOOTHILL' MISTFLOWER EPILOBIUM CANUM / CALIFORNIA FUCHSIA HYPTIS EMORYI / DESERT LAVENDER JUSTICIA SPICIGERA / MEXICAN HONEYSUCKLE OENOTHERA ELATA / HOOKER'S EVENING PRIMROSE RUELLIA NUDIFLORA / MEXICAN PETUNIA TECOMA STANS ANGUSTATA / YELLOW BELLS
--	---

	RIPARIAN ASCLEPIAS ANGUSTIFOLIA / ARIZONA MILKWEED JUSTICIA SPICIGERA / MEXICAN HONEYSUCKLE PANICUM VIRGATUM 'HEAVY METAL' / HEAVY METAL SWITCH GRASS RUELLIA NUDIFLORA / MEXICAN PETUNIA ZEPHYRANTHES X 'PRAIRIE SUNSET' / PRAIRIE SUNSET RAIN LILY
--	---

	SUNSET MEADOW AGAVE X 'BLUE GLOW' / BLUE GLOW AGAVE ARISTIDA PURPUREA / PURPLE THREEAWN BOUTELOUA CURTIPENDULA / SIDE OATS GRAMA FALLUGIA PARADOXA / APACHE PLUME FEROCACTUS WISLIZENI / FISH HOOK BARREL CACTUS HESPERALOE PARVIFLORA 'PERPA' / BRAKELIGHTS® RED YUCCA MUHLENBERGIA LINDHEIMERI / LINDHEIMER'S MUHLY PENSTEMON PALMERI / PALMER'S PENSTEMON YUCCA GLORIOSA / SPANISH DAGGER
--	---

	DESERT SHADE XERIC AGAVE DESMETIANA / SMOOTH AGAVE CALYLOPHUS HARTWEGII / HARTWEG'S SUNDROPS CARNEGIEA GIGANTEA / SAGUARO CUPHEA HYSSOPIFOLIA / FALSE HEATHER DASYLIRION WHEELERI / GREY DESERT SPOON FOUQUIERIA SPLENDENS / OCOTILLO GLANDULARIA GOODDINGII / GOODDING'S VERBENA LANTANA MONTEVIDENSIS / PURPLE TRAILING LANTANA LANTANA X 'NEW GOLD' / NEW GOLD LANTANA LEUCOPHYLLUM FRUTESCENS / TEXAS SAGE MIRABILIS MULTIFLORA / COLORADO FOUR O'CLOCK OENOTHERA LINDHEIMERI / GAURA PEDILANTHUS BRACTEATUS / SLIPPER PLUMBAGO SCANDENS / MEXICAN PLUMBAGO
--	---

	DESERT SHADE RIPARIAN ERIOGONUM FASCICULATUM / CALIFORNIA BUCKWHEAT FALLUGIA PARADOXA / APACHE PLUME GOSSYPIUM THURBERI / THURBER'S COTTON RUELLIA NUDIFLORA / MEXICAN PETUNIA TRADESCANTIA OCCIDENTALIS / PRAIRIE SPIDERWORT YUCCA GLORIOSA / SPANISH DAGGER
--	---

general notes

descriptive notes

Landscape:
 Most visitors to the Southeast Mesa Library will arrive from the east-southeast through a shady and spectacular grid of shade trees and fruiting Date Palms. The 'Sunrise Plaza' allows for parking, turn-arounds, and drop-off, but is designed as a civic plaza first. Flush paving on all sides allows for maximum flexibility and accessibility of the spaces, but also promotes water collection as the plaza is designed as a filtration device; various types of permeable paving feather into planting areas that catch the water and spring forth from the plaza surface. Along the street and along the building two large 'urban swales' collect the remaining runoff creating green borders to the plaza space. These ground level planting areas beneath the palm grove will combine cooling greens with warm flowering tones of yellow and orange.

Moving around the library to south-southwest, the 'Pollinator Garden' and the 'Riparian Gardens' are primary water collection spaces offering terraces of green that filter water as they descend toward the lake. Carved in-between the garden zones, the terraces will offer programmable patio and plaza spaces that are accessible from the library, as well as the lakeside and parking areas. The gardens in these neatly contained terrace areas offer a bit of controlled wildness through a diverse array of southwestern plants adapted for water filtration, pollination, heat, and the intense afternoon sun. The 'Pollinator' garden will be the most colorful and diverse, tucked around the reading patios of the upper terraces. The 'Riparian' terraces below will offer layers of textural and seasonal change while framing views of the lake from the library.

On the western edge, the 'Sunset Meadow' is a transition landscape that connects the library to the park's open space. The Southeast Mesa Library will raise up from the existing grade level of the site, offering a prominence appropriate for a civic building, while also creating opportunities to incorporate terrace seating, water collection, and event viewing. These terraces take on the character of a meadow, dotted with willows and highlighted by accents of aloes and agave, which will glow in the setting sun with the golds, greens, and purples of the meadow grasses.

Wrapping the north side of the library, 'Desert Shade' gardens weave their way around the children's outdoor patio space and staff breakout space, while providing screening for parking, utilities, and trash collection. These landscape areas are primarily to be seen, not occupied, and so provide the perfect opportunity to highlight the iconic accents, unique colors, and sculptural forms available in the desert palette. Purples and yellows offer contrast to greens and grays, creating striking scenes and offering seasonal change. The patios will include shade trees and Date Palms the provide natural shade options April to October.

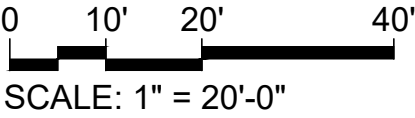
revisions schedule

rev #	description	date

4450 NORTH 12TH STREET
 SUITE TWO HUNDRED
 PHOENIX AZ 85014 USA
 602.264.1955 RKARCH.COM

RICHÄRD
 KENNEDY
 ARCHITECTS

SOUTHEAST MESA LIBRARY
 MESA PUBLIC LIBRARY
 DESIGN REVIEW | 11/18/2022
 CP0428



**SEML
EXTERIOR LIGHTING FIXTURE CUTSHEETS
DRB ISSUE
11.18.2022
RKA
MMLD**

**CONTACT:
MMLD
Molly McKnight
6930 E Soyaluna Pl
Tucson AZ 85715
p: 917 856 6683
e: molly.mcknight@mmlld.co**

FIXTURE TYPE	DESCRIPTION	LOCATION	MANUFACTURER	MODEL SERIES	LIGHT SOURCE	COLOR TEMPERATURE	CRI	DELIEVERED LUMENS (MIN)	WATTAGE	VOLTAGE	CONTROL TYPE	COMMENTS
XB-01	ASYMMETRIC DISTRIBUTION BOLLARD	WALKWAYS	BEGA	99056 79817	LED	3000K	80+	1366LM	14W	120V-277V	0-10V	DIMMING REQUIRED, WET LISTED
XB-02	SYMMETRIC DISTRIBUTION BOLLARD	GRASS PLANTING AREAS	BK LIGHTING	LITESTICK	LED	3000K	80+	132LM	3W	12V/277V	0-10V	WET LISTED, REMOTE DRIVER
XLF-01	SURFACE MOUNTED FLOOD DISTRIBUTION AREA LIGHT	EXTERIOR DOORS, IF NEEDED NOT SHOWN ON PLAN	BEGA	22261	LED	3000K	90+	362LM	4.2W	120V-277V	0-10V	DIMMING REQUIRED, WET LISTED
XLF-02	CATENARY CABLE MOUNTED DIRECT WIDE BEAM DISTRIBUTION CYLINDER FIXTURE	EXTERIOR EAST SIDE OF SITE AT ENTRY PATIO	LUMINIS	SYRIOS 610 OR 310 CAT3 SERIES	LED	3000K	90+	924-1599LM	13-15W	277V	0-10V	DIMMING REQUIRED, WET LISTED
XLF-03	COLUMN MOUNTED WITH BRACKET WIDE FLOOD OR ASYMMETRIC DISTRIBUTION FLOODLIGHT	EXTERIOR AT BUILDING COLUMNS	MEYER	SUPERLIGHT LED1-3 SERIES	LED	3000K	90+	3056-9098LM	27-90W	120V-277V	0-10V	DIMMING REQUIRED, WET LISTED
XL-01	SURFACE MOUNTED WIDE DISTRIBUTION LINEAR COVE LIGHT	FEATURE WALLS	LEDLINEAR	KALYPSO	LED	3000K	90+	113LM/W	2W/LF	120V-277V	0-10V	DIMMING REQUIRED, WET LISTED
XP-01	EXISTING PEDESTRIAN POLE LIGHT	SITE PERIMETER	TBC	TBC	LED	TBC	TBC	TBC	TBC	TBC	TBC	
XP-02	NEW PEDESTRIAN POLE LIGHT TO MATCH EXISTING	SITE PERIMETER	TBC	TBC	LED	TBC	TBC	TBC	TBC	TBC	TBC	
XP-03	PEDESTRIAN POLE LIGHT	PARKING AREA	HESS	LINEA	LED	3000K	80+	6407LM	72W	277V	0-10V	WET LISTED
XU-01	STAKE MOUNTED TREE UPLIGHT	ACCENT TREES	BK LIGHTING	ARTISTAR	LED	3000K	80+	455LM	7W	120V-277V	0-10V	WET LISTED
XU-02	TREE MOUNTED WIDE UP/DOWN DISTRIBUTION AREA LIGHT	PALM COURT AT ENRTY PATIO	BK LIGHTING	ARTISTAR PALM RING	LED	3000K	80+	1230LM	10W	120V-277V	0-10V	DIMMING REQUIRED, WET LISTED

- NOTES
1. EXTERIOR LIGHTING FIXTURES SHALL BE CONTROLLED THROUGH A COMBINATION OF PHOTOCELLS AND TIMECLOCK AS PART OF THE LIGHTING CONTROL SYSTEM.
 2. ALL FINISHES TBC BY ARCHITECT.
 3. ALL LIGHT SOURCES ARE LED.
 4. ALL LED FIXTURES SHALL BE PROVIDED WITH DIMMING (0-10V) AND SHALL BE COMPATIBLE WITH LIGHTING CONTROL SYSTEM
 5. LIGHT FIXTURE LAYOUTS ARE REPRESENTATIONAL AND ARE INTENDED TO SHOW DESIGN INTENT ONLY.
 6. LOCATIONS OF FIXTURES ARE SHOWN DIAGRAMMATICALLY. VERIFY EXACT LOCATION AND SPACING WITH ARCHITECTURAL PLANS AND REFLECTED CEILING PLANS. FOR FINAL DESIGN VERIFY FIXTURE LENGTHS/QUANTITIES WITH ARCHITECTURAL DETAILS AND DRAWINGS.
 7. COORDINATE THE FINAL LOCATIONS OF LIGHTING FIXTURES IN MECHANICAL, ELECTRICAL AND OTHER UTILITY AREAS WHERE CONDUITS, DUCTWORK, PIPING, ETC. ARE PRESENT TO AVOID CONFLICT AND ENABLE PROPER ILLUMINATION AND LIGHT DISTRIBUTION.
 8. OCCUPANCY SENSORS SHALL BE USED TO CONTROL LIGHTING IN HALLWAYS, PRIVATE AND OPEN OFFICES, AND OTHER AREAS FOR ENERGY CONSERVATION.
 9. ALL OUTDOOR CEILING MOUNTED FIXTURES UNDER EACH CANOPY AND MORE THAN 36" FROM THE EDGE OF SLAB SHALL BE UL LISTED FOR DAMP LOCATION OR IP 65 RATED, OTHERWISE SHALL BE U.L. LISTED FOR WET/WEATHERPROOF/ IP67 OR IP68

Shielded LED bollard - asymmetric

Application

An LED bollard with shielded asymmetric light distribution. Designed for effective lighting of landscapes, pathways, and open spaces from low mounting heights. The fully shielded design provides visual comfort while illuminating ground surfaces. Provided with mounting system that allows the luminaire to be adjusted independent of anchor bolt orientation.

Materials

Luminaire housing constructed of die-cast and extruded 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
Mounting plate constructed of heavy cast aluminum

NRTL listed to North American Standards, suitable for wet locations

Protection class IP 65

Weight: 10.8lbs

Electrical

Operating voltage	120-277VAC
Minimum start temperature	-30°C
LED module wattage	11.6 W
System wattage	14.0 W
Controllability	0-10V, TRIAC, and ELV dimmable
Color rendering index	Ra > 80
Luminaire lumens	1361 lumens (3000K)
LED service life (L70)	60,000 hours

LED color temperature

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

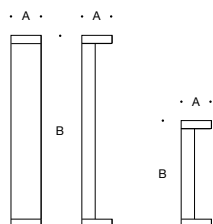
LED module wattage	17.6 W (Amber)
System wattage	20.7 W (Amber)
Luminaire lumens	574 lumens (Amber)

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:



Contact:
MMLD
Molly McKnight
6930 E Soyaluna Pl
Tucson AZ 85715
p: 917 856 6683
e: molly.mcknight@mmlid.co

Shielded LED bollard · asymmetric

	LED	A	B	Anchorage
99 056	11.6 W	7 5/8	21 5/8	79 817



LITESTICK LED

IP66 RATED

DATE:	PROJECT:	TYPE:
-------	----------	-------

CATALOG NUMBER LOGIC:



*Designed for use with 12 VAC. LED transformer.

**Not available with style 'C.'

***For use up to 24" maximum overall height.

CATALOG NUMBER LOGIC

Example: LT - 18 - B - LED - e71 - VER - 1 - PP-TRe20 - SF

MATERIAL

(Blank) - Aluminum B - Brass S - Stainless Steel

SERIES

LT - Litestick

STEM LENGTH

3", 6", 12", 18", 24"

STYLE

A

B, C, D, E

F

SOURCE

LED - with Integral Driver*

LED TYPE

e70 - 3W LED/2700K e72 - 3W LED/4000K

e71 - 3W LED/3000K e73 - 3W LED/Amber

FINISH (See page 2 for full-color swatches)

Standard Finishes (BZP, BZW, BLP, BLW, WHP, WHW, SAP, VER)

Premium Finish (ABP, AMG, AQW, BCM, BGE, BPP, CAP, CMG, CRI, CRM, HUG, MDS, NBP, OCP, RMG, SDS, SMG, TXF, WCP, WIR)

Also available in RAL Finishes

Brass Finishes (MAC, POL, MIT)

Stainless Steel Finishes (MAC, POL)

OPTICAL OPENING

1 - Single Optical Opening

2 - Dual Optical Opening**

MOUNTING

PP18B - 18" Power Pipe Stake with 'B' Cap

A18 - 18" Power Pipe with 18" Adjustable Stem (Must be specified with 18" stem)

PP-TRe20 - Power Pipe T with 18" Stake, TRe20 Electronic Transformer (105-300 VAC. 50/60 Hz. non-dimming)***

OPTION

GS - Adjustable Glare Shield (Only available with Style 'A')

SF - Stability Flange (For use with Power Pipe)

Contact:
MMLD
Molly McKnight
6930 E Soyaluna Pl
Tucson AZ 85715
p: 917 856 6683
e: molly.mcknight@mml.co

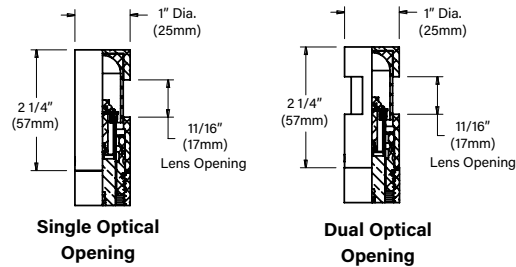
B-K LIGHTING**MADE IN THE USA**

559.438.5800 | INFO@BKLIGHTING.COM | BKLIGHTING.COM

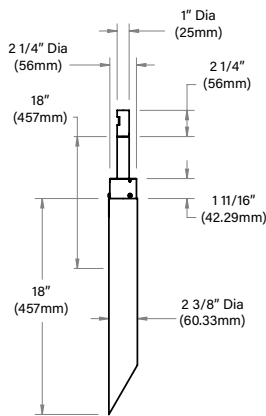
THIS DOCUMENT CONTAINS PROPRIETARY INFORMATION OF B-K LIGHTING, INC. AND ITS RECEIPT OR POSSESSION DOES NOT CONVEY ANY RIGHTS TO REPRODUCE, DISCLOSE ITS CONTENTS, OR TO MANUFACTURE, USE OR SELL ANYTHING IT MAY DESCRIBE. REPRODUCTION, DISCLOSURE OR USE WITHOUT SPECIFIC WRITTEN AUTHORIZATION OF B-K LIGHTING, INC. IS STRICTLY FORBIDDEN.

03/04/2020 SKU-757
SUB001109

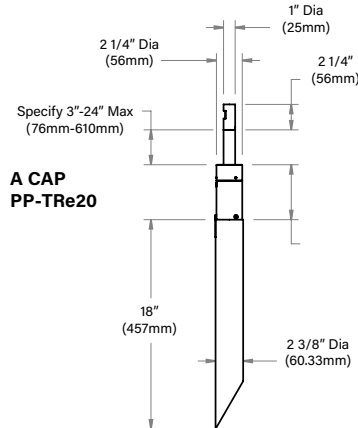
DATE:	PROJECT:	TYPE:
-------	----------	-------



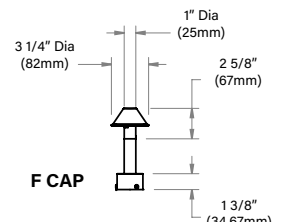
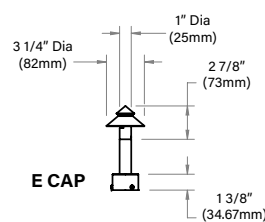
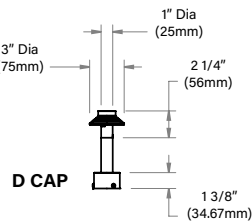
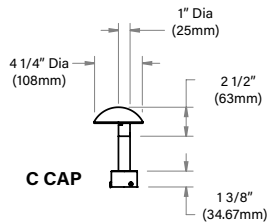
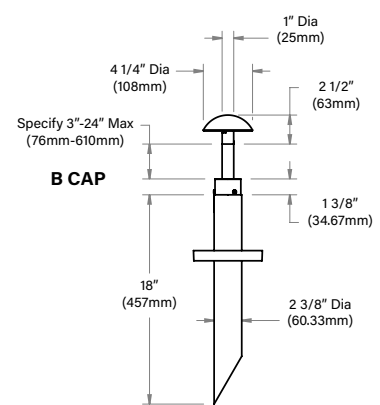
A18 (Mounting Option)



POWER PIPE "T" (Mounting Option)



POWER PIPE (Mounting Option)

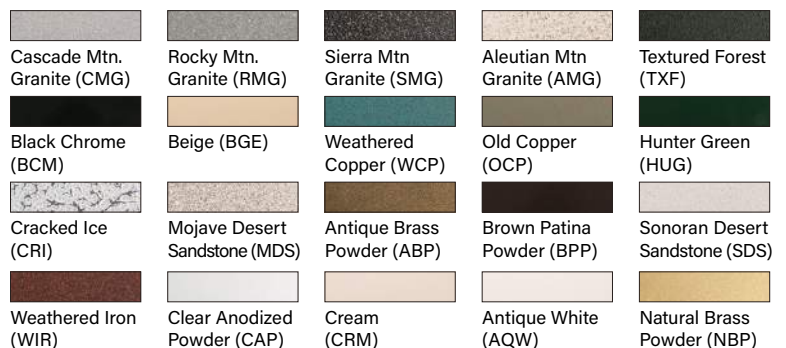


STANDARD FINISHES



[Click Here](#) to view larger, full-color swatches of all available finishes on our website.

PREMIUM FINISHES



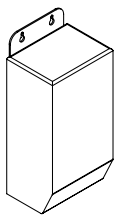
B-K LIGHTING

MADE IN THE USA

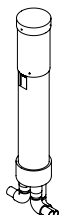
559.438.5800 | INFO@BKLIGHTING.COM | BKLIGHTING.COM

DATE:	PROJECT:	TYPE:
-------	----------	-------

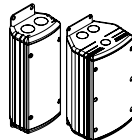
Accessories (Configure separately)



TR Series






Power Pipe



UPMRM

SPECIFICATIONS

ELECTRICAL	WATTAGE	3W LED
	WIRING	PVC coated, 18AWG, 150V, 60°C rated and certified to UL 1838 standard.
	REMOTE TRANSFORMER	For use with 12VAC remote transformer or magnetic transformers only. B-K Lighting cannot guarantee performance with third party manufacturers' transformers.
PHYSICAL	MATERIALS	Furnished in copper-free aluminum (6061-T6), brass (360), or stainless steel (304).
	BODY	Unibody design is fully machined from solid billet and provides enclosed, water-proof wireway and integral heat sink for maximum component life. Integral knuckle for maximum mechanical strength. High temperature, silicone 'O' Ring provides water-tight seal.
	STYLE	Fully machined styles from solid billet with 11/16" lens opening. 360° rotation for precise optic positioning. Tamper-resistant, stainless steel set screw.
	STEM	Fully machined, 1" dia. with internal threads for maximum visual appeal. Available in configurable lengths to 24" maximum.
	LENS	0.68" single or dual lens opening. Shock-resistant, tempered, frosted acrylic lens is factory adhered to fixture cap and provides hermetically sealed optical compartment.
	LED	Integrated solid state system and modular design with electrical disconnects allows for easy field upgrade and maintenance. High power, forward throw source complies with ANSI C78.377 binning requirements and exceeds ENERGY STAR® lumen maintenance requirements. LM-80 certified components. Integral, constant current driver. 12VAC/VDC input. 50/60Hz. Proprietary input control scheme achieves power factor correction and eliminates inrush current (limited to <250mA non-dimming). Output, overvoltage, open-circuit, and short circuit protected. Conforms to Safety Std. C22.2 No. 250.13-12.
	POWER PIPE	Provides a clean transition from wiring system to fixture. Schedule 80, 18" PVC housing for direct burial into soil or concrete. Machined 2-1/4" dia. cap for fixture mounting. Optional 6" diameter, molded stability flange, which simplifies installation and projects into substrate to reinforce housing stability. For use with 12VAC remote transformer or magnetic transformers only. B-K Lighting cannot guarantee performance with third party manufacturers' transformers.
	POWER PIPE WITH ADJUSTABLE MOUNT	Features 18" Power Pipe and 18" stem which passes through a machined Delrin® bushing within the Power Pipe Cap. Three (3) stainless steel set screws secure fixture position (Not available with integral transformer).
	HARDWARE	Tamper-resistant, stainless steel hardware.
	FINISH	StarGuard, our 15-stage chromate-free process cleans and conversion coats aluminum components prior to application of Class 'A' TGIC polyester powder coating and is RoHS compliant. Powder coat or metal finish options available for brass material and metal finish option only for stainless steel material.
  	WARRANTY	5-year limited warranty.
	CERTIFICATION & LISTING	ITL tested to IESNA LM-79. UL Listed. Certified to CAN/CSA/ANSI Standards. RoHS compliant. Suitable for indoor or outdoor use, in wet locations, and for installation within 4' of the ground. IP66 Rated. Made in the USA with sustainable processes.

B-K LIGHTING

MADE IN THE USA

559.438.5800 | INFO@BKLIGHTING.COM | BKLIGHTING.COM

LAMP & DRIVER DATA (e70, e71, e72, e73)

DATE:	PROJECT:	TYPE:
-------	----------	-------

DRIVER DATA	Input Volts	InRush Current	Operating Current	Operation Ambient Temperature
	12VAC/DC 50/60Hz	<250mA (non-dimmed)	500mA	-22°F-194°F (-30°C - 90°C)

LM79 DATA				L70 DATA	OPTICAL DATA		
BK No.	CCT (Typ.)	CRI (Typ.)	Input Watts (Typ.)	Minimum Rated Life (hrs.) 70% of initial lumens (L ₇₀)	Beam Type	Delivered Lumens	BUG Rating
e70	2700K	80	3	50,000	Radial (A - 1 opening)	70	
	2700K	80	3	50,000	Radial (A - 2 openings)	131	
	2700K	80	3	50,000	Radial (B - 1 opening)	55	
	2700K	80	3	50,000	Radial (B - 2 openings)	103	
	2700K	80	3	50,000	Radial (C - 1 opening)	55	
	2700K	80	3	50,000			
	2700K	80	3	50,000	Radial (D - 1 opening)	51	
	2700K	80	3	50,000	Radial (D - 2 openings)	91	
	2700K	80	3	50,000	Radial (E - 1 opening)	49	
	2700K	80	3	50,000	Radial (E - 2 openings)	97	
	2700K	80	3	50,000	Radial (F - 1 opening)	52	
	2700K	80	3	50,000	Radial (F - 2 openings)	95	
e71	3000K	80	3	50,000	Radial (A - 1 opening)	73	
	3000K	80	3	50,000	Radial (A - 2 openings)	134	
	3000K	80	3	50,000	Radial (B - 1 opening)	57	
	3000K	80	3	50,000	Radial (B - 2 openings)	105	
	3000K	80	3	50,000	Radial (C - 1 opening)	57	
	3000K	80	3	50,000			
	3000K	80	3	50,000	Radial (D - 1 opening)	53	
	3000K	80	3	50,000	Radial (D - 2 openings)	93	
	3000K	80	3	50,000	Radial (E - 1 opening)	51	
	3000K	80	3	50,000	Radial (E - 2 openings)	99	
	3000K	80	3	50,000	Radial (F - 1 opening)	55	
	3000K	80	3	50,000	Radial (F - 2 openings)	97	
e72	4000K	80	3	50,000	Radial (A - 1 opening)	84	B0 U2 G1
	4000K	80	3	50,000	Radial (A - 2 openings)	146	B0 U3 G0
	4000K	80	3	50,000	Radial (B - 1 opening)	66	B0 U1 G0
	4000K	80	3	50,000	Radial (B - 2 openings)	114	B0 U1 G0
	4000K	80	3	50,000	Radial (C - 1 opening)	66	B0 U1 G0
	4000K	80	3	50,000			
	4000K	80	3	50,000	Radial (D - 1 opening)	61	B0 U1 G0
	4000K	80	3	50,000	Radial (D - 2 openings)	101	B0 U1 G0
	4000K	80	3	50,000	Radial (E - 1 opening)	59	B0 U1 G0
	4000K	80	3	50,000	Radial (E - 2 openings)	108	B0 U1 G0
	4000K	80	3	50,000	Radial (F - 1 opening)	63	B0 U1 G0
	4000K	80	3	50,000	Radial (F - 2 openings)	105	B0 U1 G0
e73	Amber (590nm)	~	3	50,000			

B-K LIGHTING

MADE IN THE USA

559.438.5800 | INFO@BKLIGHTING.COM | BKLIGHTING.COM

THIS DOCUMENT CONTAINS PROPRIETARY INFORMATION OF B-K LIGHTING, INC. AND ITS RECEIPT OR POSSESSION DOES NOT CONVEY ANY RIGHTS TO REPRODUCE, DISCLOSE ITS CONTENTS, OR TO MANUFACTURE, USE OR SELL ANYTHING IT MAY DESCRIBE. REPRODUCTION, DISCLOSURE OR USE WITHOUT SPECIFIC WRITTEN AUTHORIZATION OF B-K LIGHTING, INC. IS STRICTLY FORBIDDEN.

LED wall luminaire - directed light

Application

As an individual luminaire with low mounting heights, it can be used for marking danger areas or in rows for illuminating corridors and passageways. With high mounting heights it can be used as a wall luminaire next to doors or for lighting small wall areas.

Materials

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

NRTL listed to North American Standards, suitable for wet locations
Protection class IP 64
Weight: 1.5 lbs

Electrical

Operating voltage	120-277V AC
Minimum start temperature	-30° C
LED module wattage	4.2 W
System wattage	5.8 W
Controllability	0-10V dimmable
Color rendering index	Ra > 90
Luminaire lumens	362 lumens (3000K)
Lifetime at Ta = 15° C	>500,000 h (L70)
Lifetime at Ta = 35° C	434,000 h (L70)

LED color temperature

4000K - Product number + **K4**
3500K - Product number + **K35**
3000K - Product number + **K3 (EXPRESS)**
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:

Contact:
MMLD
Molly McKnight
6930 E Soyaluna Pl
Tucson AZ 85715
p: 917 856 6683
e: molly.mcknight@mml.co



LED wall luminaire · directed light				
	LED	A	B	C
22 261	ADA 4.2 W	6 7/8	3 3/4	2 3/8

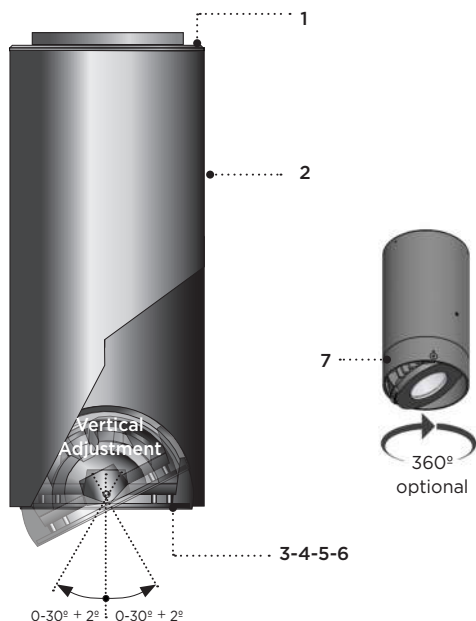
Type:
BEGA Product:
Project:
Modified:



TYPE: _____ QUANTITY: _____ PROJECT: _____

CATALOG NUMBER:

FIXTURE SUFFIX REFLECTOR VOLTAGE FINISH OPTION OPTION OPTION



SY610



- 1- Cast aluminum ventilated top cover with ceiling mounting plate.
- 2- Seamless extruded aluminum cylindrical housing.
- 3- Fully sealed cast aluminum down light assembly.
- 4- Sealed cast aluminum lens frame.
- 5- Clear tempered glass lens.
- 6- Faceted specular aluminum reflector.
- 7- Optional 360° adjustable rotation.

All stainless steel hardware.

Syrios light module is designed with a tilting mechanism allowing forward and back light adjustability. The $\pm 30^\circ$ directional module allows to aim the light beam in the desired direction, without disturbing the luminaire mounting. The module can be secured using the built in locking mechanism.

Fully adjustable 360° rotation also available, see option A360.

MATERIALS

Syrios is made of corrosion resistant 356 aluminum alloy with a copper (CU) content of less than 0.1%.

The main housing is made of seamless extruded aluminum, with an integrally sealed LED light module designed for optimal heat dissipation, and lighting performance.

Syrios is standard with a unique proprietary design allowing the sealed LED module to tilt within the cylindrical housing.

The top cast aluminum cover includes ventilation slots allowing air circulation and cooling of assembly.

Syrios SY610 series is standard with 30° optic. See options section for alternate selection.

ELECTRICAL

DRIVER Standard driver is 0-10V dimming-ready (dims to 10%) with: 120-277 multi-volt compatibility (50-60Hz), operating temperature range of $-40^\circ\text{C}/-40^\circ\text{F}$ to $55^\circ\text{C}/131^\circ\text{F}$, output over voltage protection, output over current protection and output short circuit protection with auto-recovery.

LED Standard 4000K /80CRI. Optional 2700K, 3000K & 3500K. Optional Amber LED for turtle sensitive areas. Wavelengths: 584.5nm to 597nm.

LIFE

60,000hrs $L_{70}B_{50}$ (based on IESNA TM-21 Test Method and LM-80 data). Up to 70,000hrs $L_{70}B_{50}$ (calculated projection from LM-80 data).

FINISH

Five-stage preparation process including preheating of cast aluminum parts for air extraction, and an environmentally friendly alloy sealant. Polyester powder coating is applied through an electrostatic process and oven cured for long term finish.

MOUNTING

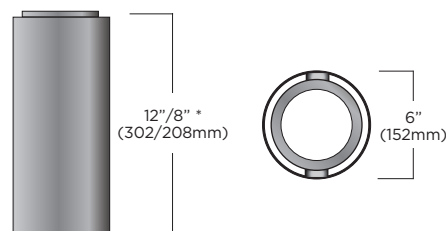
Maximum weight: 7.9 lbs (3.6 kg)

The mounting plate is designed to fit on a 4" (102mm) octagonal electrical box using 3.5" (89mm) C/C mounting holes.

Fixture must be installed on a finished ceiling for exterior applications and/or exposed to inclement weather.


CERTIFICATION

Certified and Approved as per CSA C22.2 No.: 250.0 standard and ANSI/UL 1598 standard, for wet location. Rated IP66.



* For low wattage models (L1L15 thru L1L25) luminaire height is 8.2" (208mm)

LUMINAIRE SELECTION

1 MODEL#	2 LED LIGHT SELECTION	3 REFLECTORS*	4 VOLTAGE	5 FINISH																																								
 <input type="checkbox"/> SY610	<table border="1"> <thead> <tr> <th>SUFFIX</th> <th>DELIVERED LUMENS</th> <th>INPUT WATTS</th> <th>CRI</th> <th>CCT °K</th> </tr> </thead> <tbody> <tr> <td><input type="checkbox"/> L1L15¹</td> <td>1599</td> <td>15W</td> <td>80</td> <td>4000</td> </tr> <tr> <td><input type="checkbox"/> L1L25¹</td> <td>2543</td> <td>26W</td> <td>80</td> <td>4000</td> </tr> <tr> <td><input type="checkbox"/> L1L40</td> <td>4102</td> <td>48W</td> <td>80</td> <td>4000</td> </tr> <tr> <td colspan="5">AMBER LED</td> </tr> <tr> <td><input type="checkbox"/> L1L3K2A</td> <td>263</td> <td>11W</td> <td>AMBER</td> <td></td> </tr> </tbody> </table> <table border="1"> <thead> <tr> <th colspan="5">VERY NARROW DISTRIBUTION</th> </tr> </thead> <tbody> <tr> <td><input type="checkbox"/> L1L20NR</td> <td>1690</td> <td>31W</td> <td>80</td> <td>4000</td> </tr> </tbody> </table>	SUFFIX	DELIVERED LUMENS	INPUT WATTS	CRI	CCT °K	<input type="checkbox"/> L1L15 ¹	1599	15W	80	4000	<input type="checkbox"/> L1L25 ¹	2543	26W	80	4000	<input type="checkbox"/> L1L40	4102	48W	80	4000	AMBER LED					<input type="checkbox"/> L1L3K2A	263	11W	AMBER		VERY NARROW DISTRIBUTION					<input type="checkbox"/> L1L20NR	1690	31W	80	4000	<input type="checkbox"/> R15 Narrow optics 15° <input type="checkbox"/> R30 Flood optics 30° (standard) <input type="checkbox"/> R55 Wide flood optics 52° <input type="checkbox"/> R9 Very narrow optics 9° Field angle 18° (46,151 candela)	<input type="checkbox"/> 120V <input type="checkbox"/> 277V Optional <input type="checkbox"/> 347V ⁴	STANDARD COLORS* <input type="checkbox"/> WHT Snow white <input type="checkbox"/> BKT Jet black <input type="checkbox"/> BZT Bronze <input type="checkbox"/> MST Matte silver <input type="checkbox"/> GRT Titanium gray <input type="checkbox"/> DGT Gun metal <input type="checkbox"/> CHT Champagne <input type="checkbox"/> SGT Steel gray <input type="checkbox"/> BGT English cream OPTIONAL COLORS <input type="checkbox"/> CS Custom color <input type="checkbox"/> RAL RAL# color NATATORIUM SUITED COLORS <input type="checkbox"/> NWHT White <input type="checkbox"/> NBKT Black *Refer to color chart
SUFFIX	DELIVERED LUMENS	INPUT WATTS	CRI	CCT °K																																								
<input type="checkbox"/> L1L15 ¹	1599	15W	80	4000																																								
<input type="checkbox"/> L1L25 ¹	2543	26W	80	4000																																								
<input type="checkbox"/> L1L40	4102	48W	80	4000																																								
AMBER LED																																												
<input type="checkbox"/> L1L3K2A	263	11W	AMBER																																									
VERY NARROW DISTRIBUTION																																												
<input type="checkbox"/> L1L20NR	1690	31W	80	4000																																								

OPTIONS

ELECTRICAL

- ☐ FS Fuse
- ☐ 347L Step down transformer for 347V input
- ☐ REML2-50 7W remote emergency battery backup for LED, 90 min Remote mount 50ft - 12" (305mm) square enclosure with access cover²

MOUNTING

- ☐ CAT3 Catenary suspension attachment with 12° adjustment mechanism

FAUX WOOD COLORS⁶

- | | |
|---|---------------------------------------|
| <input type="checkbox"/> ADG American douglas | <input type="checkbox"/> MPL Maple |
| <input type="checkbox"/> BRC Birch | <input type="checkbox"/> OFL Oak |
| <input type="checkbox"/> CHN Chestnut | <input type="checkbox"/> RSW Rosewood |
| <input type="checkbox"/> CRY Cherry | <input type="checkbox"/> TEK Teak |
| <input type="checkbox"/> KNP Knotty pine | <input type="checkbox"/> WLN Walnut |

LIGHT & OPTICS

Alternate CCT °K LED (LCF: Lumen conversion factor)

- | | |
|---|---|
| <input type="checkbox"/> K27 2700K CCT 80 CRI (LCF: 0.91) ⁵ | NOTE: Other CCT & higher CRI available, please consult factory. |
| <input type="checkbox"/> K3 3000K CCT 80 CRI (LCF: 0.94) | |
| <input type="checkbox"/> K35 3500K CCT 80 CRI (LCF: 0.983) ⁵ | |
| <input type="checkbox"/> A360 360° adjustable rotation | |
| <input type="checkbox"/> RG Regressed light module ³ | |

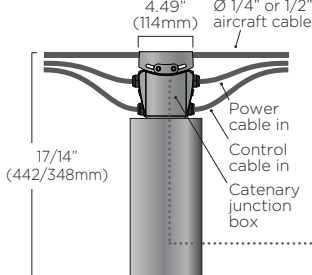
ACCESSORIES

- ☐ HL Hexcell louver
- ☐ SL Solite lens (light loss factor [LLF]: 0.9)
- ☐ LSL Linear spread lens (Asymmetric lens distribution is achieved when light module is tilted)

NOTES

- 1- For low wattage models luminaire height is 8.2" (208mm).
- 2- The remote enclosure must be interior.
- 3- Cylindrical housing extended by 1" (25.4mm) for increased cut-off.
- 4- 347V not compatible with Amber LED L1L3K2A. For L1L15 and L1L25 347V models, luminaire height is 11.9" (302mm).
- 5- K27 and K35 options not available with the R9 optics.
- 6- Faux wood finish not applied to lens frame, accessories or catenary parts (if selected).

CATENARY SUSPENSION



ANGLE ADJUSTMENT MECHANISM

12°

Power cable in:
3 conductor x 14 gauge AWG. The 2 cable glands located at the top can accommodate a cable ranging from 10mm - 14mm.

Control cable in:
The 2 cable glands on the bottom can accommodate a cable ranging from 6mm - 11mm.

CAT3

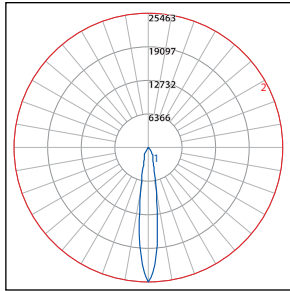
Cast aluminum catenary junction box with 4 sealed connectors by Luminis and pre-inserted into housing.

Ready to accept 1/4" or 1/2" stainless steel suspension cable.

Weight: 11.2 lbs (5.1 kg)

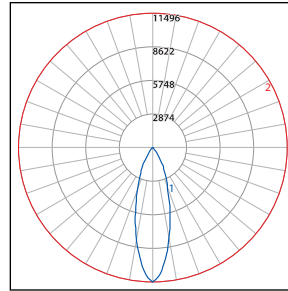
(Structural design, power cable, control cable, stainless steel catenary cable, cable fittings, and fittings for mounting to support structure provided by others.)

TYPICAL PHOTOMETRY SUMMARY



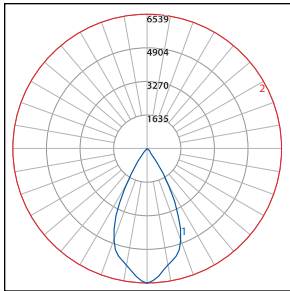
Descriptive Information

SY610-L1L40-R15
Total Lms: 3998 Lumens
Total Input Watts: 48 W
Efficacy: 83 Lumens/Watt
BUG: B3-U0-G0
CCT/CRI: 4000K/80
Maximum Candela: 25463 @ 0°



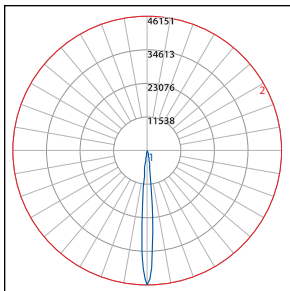
Descriptive Information

SY610-L1L40-R30
Total Lms: 4102 Lumens
Total Input Watts: 48 W
Efficacy: 85 Lumens/Watt
BUG: B3-U0-G0
CCT/CRI: 4000K/80
Maximum Candela: 11496 @ 0°



Descriptive Information

SY610-L1L40-R55
Total Lms: 4369 Lumens
Total Input Watts: 48 W
Efficacy: 91 Lumens/Watt
BUG: B3-U0-G0
CCT/CRI: 4000K/80
Maximum Candela: 6539 @ 0°



Descriptive Information

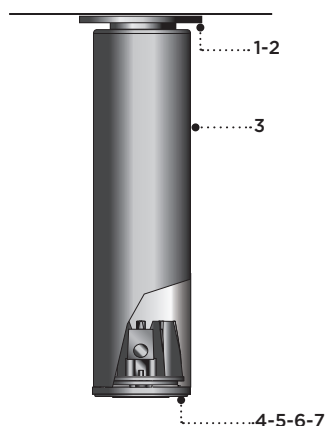
SY610-L1L20NR-R9
Total Lms: 1690 Lumens
Total Input Watts: 31 W
Efficacy: 55 Lumens/Watt
BUG: B2-U0-G0
CCT/CRI: 4000K/80
Maximum Candela: 46151 @ 0°

Please visit our web site www.luminis.com for complete I.E.S. formatted download data.

TYPE: _____ QUANTITY: _____ PROJECT: _____

CATALOG NUMBER:

FIXTURE SUFFIX REFLECTOR VOLTAGE FINISH OPTION OPTION OPTION



- 1- Ø 5" (127mm) ceiling mount canopy.
- 2- Cast aluminum top cover.
- 3- Extruded aluminum cylindrical housing.
- 4- Sealed cast aluminum down light assembly.
- 5- Sealed cast aluminum lens frame.
- 6- Clear tempered glass lens.
- 7- Faceted specular aluminum reflector.

All stainless steel hardware.

SY310



MATERIALS

Syrios is made of corrosion resistant 356 aluminum alloy with a copper (CU) content of less than 0.1%.

The main housing is made of seamless extruded aluminum, with an integrally sealed LED light module designed for optimal heat dissipation, and lighting performance.

Syrios SY310 series is standard with 29° optic. See options section for alternate selection.

ELECTRICAL

DRIVER Standard driver is 0-10V dimming-ready (dims to 10%) with: 120-277 multi-volt compatibility (50-60Hz), operating temperature range of -30°C/-22°F to 55°C/131°F, output over voltage protection, output over current protection and output short circuit protection with auto-recovery.

LED Standard 4000K /80CRI. Optional 2700K, 3000K & 3500K. Optional Amber LED for turtle sensitive areas. Wavelengths: 584.5nm to 597nm

LIFE

60,000hrs $L_{70}B_{50}$ (based on IESNA TM-21 Test Method and LM-80 data). Up to 95,000hrs $L_{70}B_{50}$ (calculated projection from LM-80 data).

FINISH

Five-stage preparation process including preheating of cast aluminum parts for air extraction, and an environmentally friendly alloy sealant. Polyester powder coating is applied through an electrostatic process and oven cured for long term finish.

MOUNTING

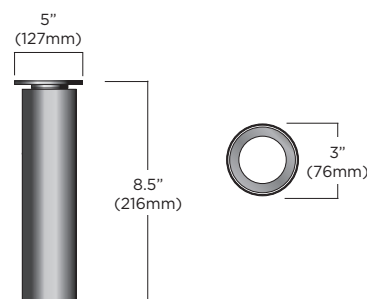
Maximum weight: 2 lbs (0.9 kg)

The mounting plate is designed to fit on a 4" (102mm) octagonal electrical box using 3.5" (89mm) C/C mounting holes.

Fixture must be installed on a finished ceiling for exterior applications and/or exposed to inclement weather.

CERTIFICATION

Certified and Approved as per CSA C22.2 No.: 250.0 standard and ANSI/UL 1598 standard, for wet location. Rated IP66.



LUMINAIRE SELECTION

1 MODEL#	2 LED LIGHT SELECTION	3 REFLECTORS*	4 VOLTAGE	5 FINISH																														
<input type="checkbox"/> SY310	<table border="1"> <thead> <tr> <th>SUFFIX</th> <th>DELIVERED LUMENS</th> <th>INPUT WATTS</th> <th>CRI</th> <th>CCT °K</th> </tr> </thead> <tbody> <tr> <td><input type="checkbox"/> L1L10</td> <td>924</td> <td>13W</td> <td>80</td> <td>4000</td> </tr> <tr> <td colspan="5">AMBER LED</td> </tr> <tr> <td><input type="checkbox"/> L1L1K2A</td> <td>124</td> <td>7W</td> <td>AMBER</td> <td></td> </tr> <tr> <td colspan="5">VERY NARROW DISTRIBUTION</td> </tr> <tr> <td><input type="checkbox"/> L1L5NR</td> <td>539</td> <td>10W</td> <td>80</td> <td>4000</td> </tr> </tbody> </table>	SUFFIX	DELIVERED LUMENS	INPUT WATTS	CRI	CCT °K	<input type="checkbox"/> L1L10	924	13W	80	4000	AMBER LED					<input type="checkbox"/> L1L1K2A	124	7W	AMBER		VERY NARROW DISTRIBUTION					<input type="checkbox"/> L1L5NR	539	10W	80	4000	<input type="checkbox"/> R30 Flood optics 29° (standard) <input type="checkbox"/> R40 Wide flood optics 42° <input type="checkbox"/> R9 Very narrow optics 9° Field angle 21° (12,018 candela)	<input type="checkbox"/> 120V <input type="checkbox"/> 277V	STANDARD COLORS* <input type="checkbox"/> WHT Snow white <input type="checkbox"/> BKT Jet black <input type="checkbox"/> BZT Bronze <input type="checkbox"/> MST Matte silver <input type="checkbox"/> GRT Titanium gray <input type="checkbox"/> DGT Gun metal <input type="checkbox"/> CHT Champagne <input type="checkbox"/> SGT Steel gray <input type="checkbox"/> BGT English cream OPTIONAL COLORS <input type="checkbox"/> CS Custom color <input type="checkbox"/> RAL RAL# color NATATORIUM SUITED COLORS <input type="checkbox"/> NWHT White <input type="checkbox"/> NBKT Black <small>*Refer to color chart</small>
SUFFIX	DELIVERED LUMENS	INPUT WATTS	CRI	CCT °K																														
<input type="checkbox"/> L1L10	924	13W	80	4000																														
AMBER LED																																		
<input type="checkbox"/> L1L1K2A	124	7W	AMBER																															
VERY NARROW DISTRIBUTION																																		
<input type="checkbox"/> L1L5NR	539	10W	80	4000																														

OPTIONS

ELECTRICAL

- ☐ FS Fuse
☐ REM2-50 7W remote emergency battery backup for LED, 90 min Remote mount 50ft - 12" (305mm) square enclosure with access cover ¹

MOUNTING

- ☐ CAT3 Catenary suspension attachment with 12° adjustment mechanism

FAUX WOOD COLORS ⁴

- | | |
|---|---------------------------------------|
| <input type="checkbox"/> ADG American douglas | <input type="checkbox"/> MPL Maple |
| <input type="checkbox"/> BRC Birch | <input type="checkbox"/> OFL Oak |
| <input type="checkbox"/> CHN Chestnut | <input type="checkbox"/> RSW Rosewood |
| <input type="checkbox"/> CRY Cherry | <input type="checkbox"/> TEK Teak |
| <input type="checkbox"/> KNP Knotty pine | <input type="checkbox"/> WLN Walnut |



For IDA certification compliance, luminaire must be ordered with 3000K or warmer.

LIGHT & OPTICS

Alternate CCT °K LED (LCF: Lumen conversion factor)

- ☐ K27 2700K CCT 80 CRI (LCF: 0.91) ³
☐ K3 3000K CCT 80 CRI (LCF: 0.94)
☐ K35 3500K CCT 80 CRI (LCF: 0.983) ³

NOTE: Other CCT & higher CRI available, please consult factory.

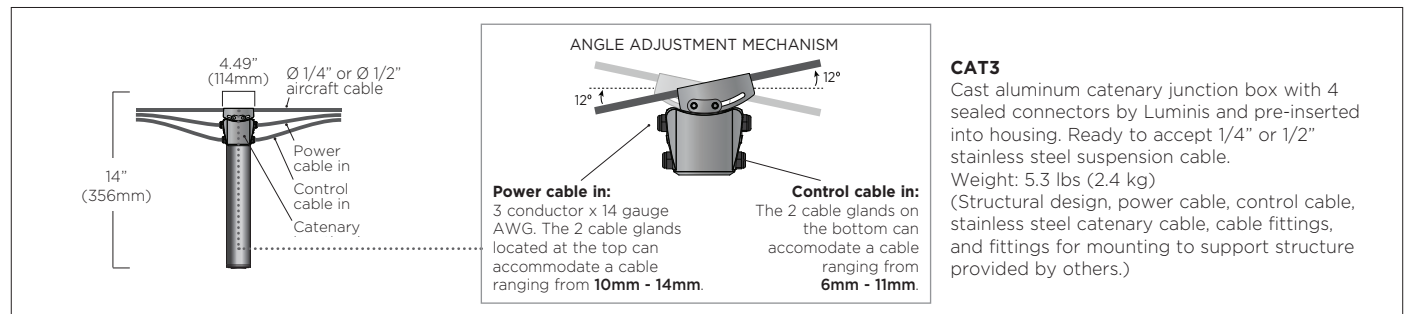
ACCESSORIES

- ☐ SL Solite lens (light loss factor [LLF]: 0.9)
☐ LSL Linear spread lens
☐ SNT 1.5" (38mm) snoot ²
☐ HL Hexcell louver

NOTES

- The remote enclosure must be interior.
- To prevent reflections, interior painted black when a light color finish is selected (ex. WHT, MST, GRT and CHT).
- K27 and K35 options not available with the R9 optics.
- Faux wood finish not applied to canopy, lens frame, accessories or catenary parts (if selected).

CATENARY SUSPENSION



LUMINIS®

LUMINIS | Toll free: 866.586.4647 Fax: 514.683.8872 Email: info@luminis.com
 260 Labrosse, Pointe-Claire (QC) Canada H9R 5L5

Luminaires may be altered for design improvement or discontinued without prior notice.

LUMINIS.COM

PROJECT _____

TYPE _____

QUANTITY _____ DATE _____

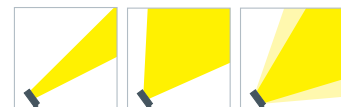
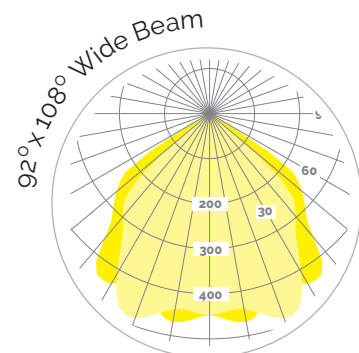
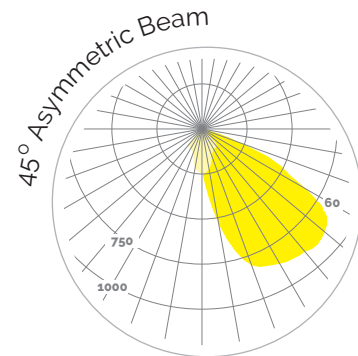
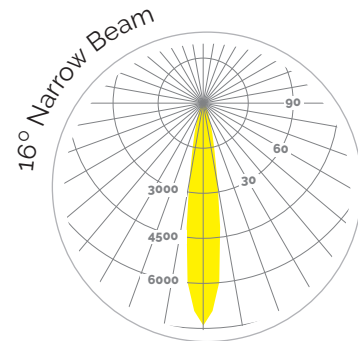
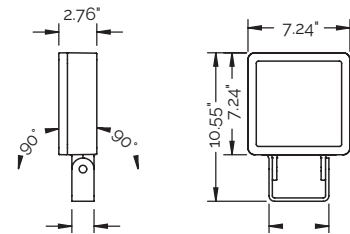


Superlight LED 1

High Performance Floodlight



High performance floodlights with efficient reflectors ideal for area lighting, accenting facades, or lighting the ground.



FEATURES

- Sleek, unobtrusive design allows integration into any style of architecture
- Optimal heat management ensures longevity of the LEDs
- Symmetric and asymmetric wide beam reflectors are ideal for area lighting while rotationally narrow beam reflectors are ideal for accent lighting facades
- 1 x 27W high performance LED
- Integral driver at 120–277V
- Up to 3056 Lumen output
- Up to 113 Lumens/Watt efficacy
- IP67 Rated

Contact:
MMLD
Molly McKnight
6930 E Soyaluna Pl
Tucson AZ 85715
p: 917 856 6683
e: molly.mcknight@mml.co

ORDERING

MSL1	27						
PRODUCT	POWER	LED COLOR	OPTICS	CONTROL	FINISH	MOUNTING	ACCESSORIES
MEYER Superlight LED 1 Floodlight	27 1 x 27W LED	W3 3000K White W4 4000K Neutral White	16 16° Narrow Beam 45 45° Asymmetric Beam 92 92° x 108° Wide Beam	N Non-Dim ¹ ¹ Consult factory for dimming options	B Black W White S Silver ² ² Premium color	B Mounting Bracket ³ WA Wall Arm P Pole Mount ³ Included Standard	C Cowl BD Barn Doors VL Vertical Louver HL Honeycomb Louver RB Ribbed Glass

CONSTRUCTION

- Die cast aluminum housing, polyester powder coat
- All exterior steel parts are stainless steel
- High transmission safety glass, silicon gasket
- High efficiency reflector
- 180° tilt range
- Cable gland

ACCESSORIES

- Accessories include: Cowl, Barn Doors, Vertical Louver, Honeycomb Louver

SIZE AND MOUNTING

- Extremely Compact — 7.24H" x 7.24W" x 2.76"D
- Included Mounting Bracket — 4.25"
- 33.7" Aluminum Wall Arm, 41" Overall

ELECTRICAL

- 120–277 V Integral Driver
- Power Consumption: 27W
- Dimming driver available. Consult factory for details

LEDs

- 1 x 27W high performance LED in 3000K and 4000K

FINISHES

- Polyester powder coat in Black, White, and Silver ²
² premium

COMPLIANCE

- ETL, IK08 listed
- LM79 Tested, LM70 (50,000 hours)

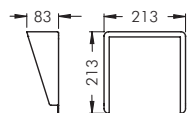
WARRANTY

- 3-year limited warranty.
- Complete warranty terms available at ElectrixIllumination.com

ACCESSORIES

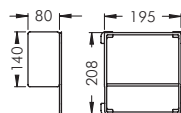
COWL

Stainless steel, to avoid glare



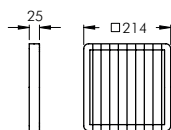
BARN DOORS

Aluminum, to avoid glare



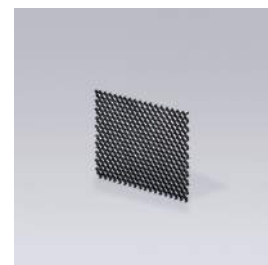
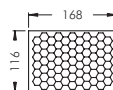
VERTICAL LOUVER

Stainless steel, to avoid glare



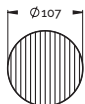
HONEYCOMB LOUVER

Internal accessory, to avoid glare



RIBBED GLASS

Internally fitted, for linear beam control, continuously adjustable 360°



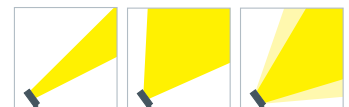
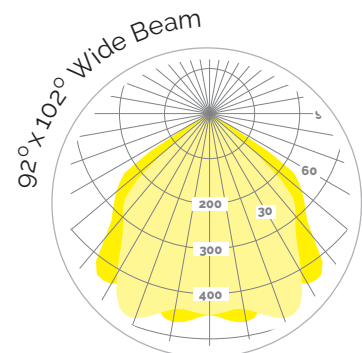
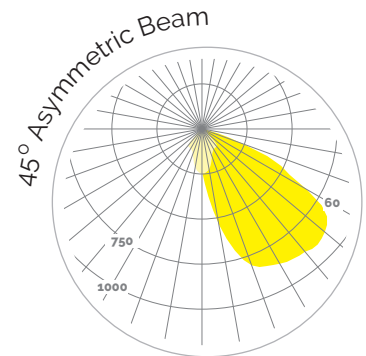
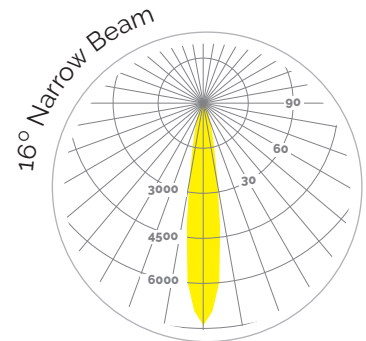
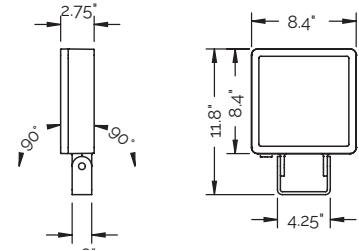


Superlight LED 2

High Performance Floodlight



High performance floodlights with efficient reflectors ideal for area lighting, accenting facades, or lighting the ground



FEATURES

- Sleek, unobtrusive design allows integration into any style of architecture
- Optimal heat management ensures longevity of the LEDs
- Symmetric and asymmetric wide beam reflectors are ideal for area lighting while rotationally narrow beam reflectors are ideal for accent lighting facades
- 1 x 40W high performance LED
- Integral driver at 120V
- Up to 4267 Lumen output
- Up to 107 Lumens/Watt efficacy
- IP67 Rated

MSL2	40						
PRODUCT	POWER	LED COLOR	OPTICS	CONTROL	FINISH	MOUNTING	ACCESSORIES
MEYER Superlight LED 2 Floodlight	40 1 x 40W LED	W3 3000K White W4 4000K Neutral White	16 16° Narrow Beam 45 45° Asymmetric Beam 92 92° x 102° Wide Beam	N Non-Dim ¹ ¹ Consult factory for dimming options	B Black W White S Silver ² ² Premium color	B Mounting Bracket ³ WA Wall Arm P Pole Mount ³ Included Standard	C Cowl BD Barn Doors VL Vertical Louver HL Honeycomb Louver RB Ribbed Glass

- Die cast aluminum housing, polyester powder coat
- All exterior steel parts are stainless steel
- High transmission safety glass, silicon gasket
- High efficiency reflector
- 180° tilt range
- Cable gland

- Unit size: 8.4"H x 8.4"W x 2.76"D
- Included Mounting Bracket - 4.25"
- 33.7" Aluminum Wall Arm, 42" Overall

- 1 x 40W high performance LED in 3000K and 4000K

- IP67 Rated, ETL Listed
- LM79 Tested, LM70 (50,000 hours)

- Accessories include: Cowl, Barn Doors, Vertical Louver, Honeycomb Louver

- 120V Series LED Integral Driver
- Power Consumption: 40W
- Non-Dim, Dimming (Consult factory for details)

- Polyester powder coat in Black, White, and Silver ²

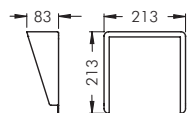
² premium

• 3-year limited warranty.
Complete warranty terms available at ElectrixIllumination.com

ACCESSORIES

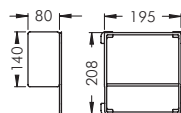
COWL

Stainless steel, to avoid glare



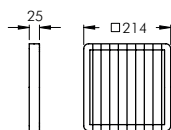
BARN DOORS

Aluminum, to avoid glare



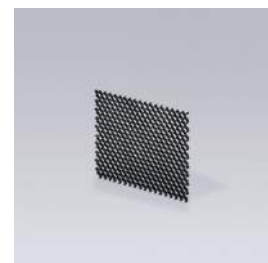
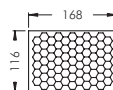
VERTICAL LOUVER

Stainless steel, to avoid glare



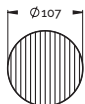
HONEYCOMB LOUVER

Internal accessory, to avoid glare



RIBBED GLASS

Internally fitted, for linear beam control, continuously adjustable 360°





Superlight LED 3

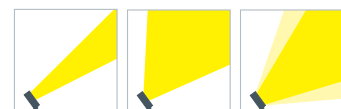
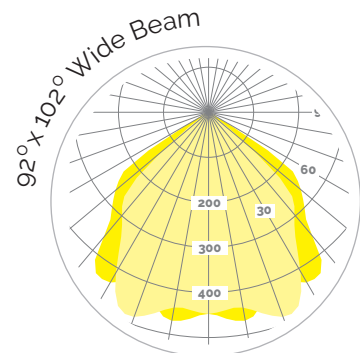
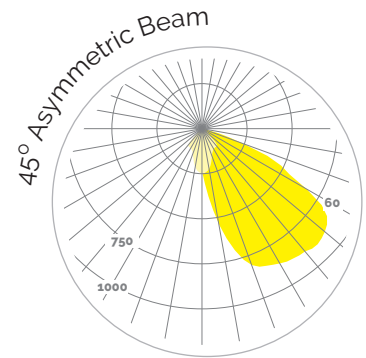
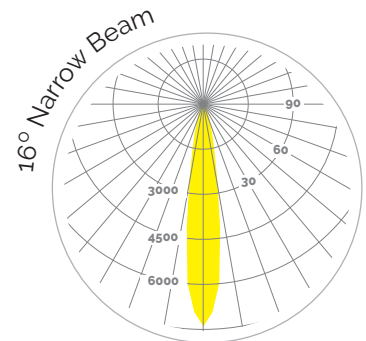
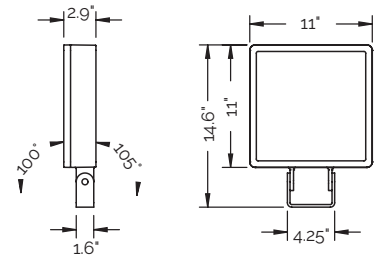
High Performance Floodlight



High performance floodlights with efficient reflectors for area lighting and floodlight applications

FEATURES

- Sleek, unobtrusive design allows integration into any style of architecture
- Optimal heat management ensures longevity of the LEDs
- Symmetric and asymmetric wide beam reflectors are ideal for area lighting while rotationally narrow beam reflectors are ideal for accent lighting facades
- 2 x 45W high performance LED
- 55W high performance LED for comfort optic only
- Integral driver at 120–277V
- Up to 10293 Lumen output
- Up to 107 Lumens/Watt efficacy
- IP67 Rated



[illegible]

- Die cast aluminum housing, polyester powder coat
- All exterior steel parts are stainless steel
- High transmission safety glass, silicon gasket
- High efficiency reflector
- Knuckle joint with 200° tilt range
- Cable gland
- M20 cable gland

- Unit size: 11"H x 11"W x 2.9"D
- Included Mounting Bracket - 4.25"
- 33.7" Wall Arm, 41" Overall

- 2 x 45W high performance LED in 3000K and 4000K
- 55W high performance LED in 3000K and 4000K

- IP67 Rated
 - ETL Listed
- * LM79 Tested, LM70 (50,000 hours)

- Accessories include: Cowl, Barn Doors, Vertical Louver, Honeycomb Louver

- 120-277 V Integral Driver
- Power Consumption: 90W, 55W (comfort optic only)
- Non-Dim, Consult factory for dimming options

- Polyester powder coat in Black, White, and Silver ²

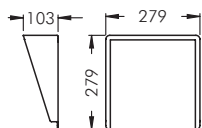
² premium

- 3-year limited warranty.
- Complete warranty terms available at ElectrixIllumination.com

ACCESSORIES

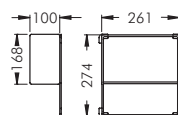
COWL

Stainless steel, to avoid glare



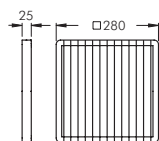
BARN DOORS

Aluminum, to avoid glare



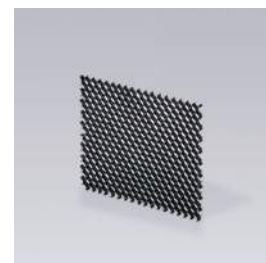
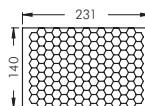
VERTICAL LOUVER

Stainless steel, to avoid glare



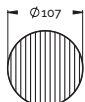
HONEYCOMB LOUVER

Internal accessory, to avoid glare



RIBBED GLASS

Internally fitted, for linear beam control, continuously adjustable 360°



KALYPSO White High Efficiency HD IP67

TYPE XL-01

Area: **Outdoor Luminaires**

Category: **Grazer**

Mounting: **Surface Mounting fixed horizontal / Surface Mounting fixed vertical / Surface Mounting adjustable / Wall Mounted adjustable**



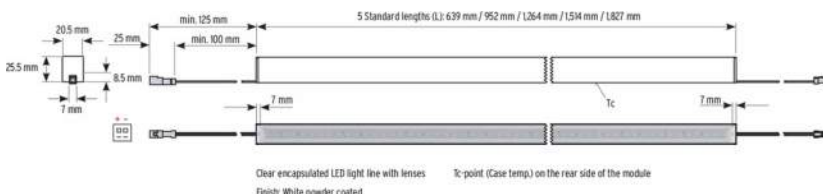
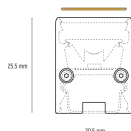
Compact and robust grazing luminaire in a small form factor. KALYPSO is designed with a cable groove that makes it possible to install the fixture without cables and clips disturbing the finish.

- High lumen output in minimalistic design with a small cross section of (W x H) 20.5 mm x 25.5 mm.
- Screwed translucent end caps for continuous rows and an optimal sealing at both ends of the luminaire.
- Robust polyurethane encapsulated fixture with IP67 and IK10 classification.

Detailed specification text in download section.

DIMENSIONS & AVAILABLE LENGTHS

20.5 mm x 25.5 mm



5 Standard lengths (L): 639 mm / 952 mm / 1,264 mm / 1,514 mm / 1,827 mm

TECHNICAL SPECIFICATIONS

Certifications



Family Key Features

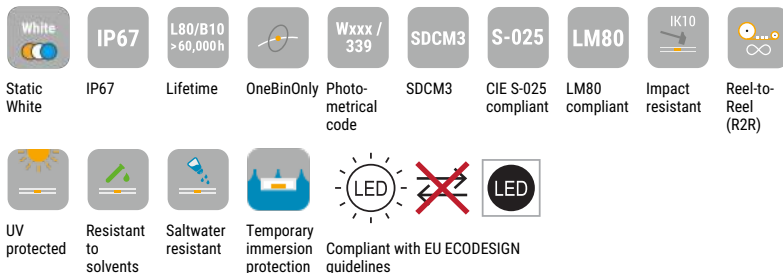


Continuous row
 Surface-mounted / Ceiling

Awards



Technical Data/Performance



Contact:
 MMLD
 Molly McKnight
 6930 E Soyaluna Pl
 Tucson AZ 85715
 p: 917 856 6683
 e: molly.mcknight@mmlid.co

ELECTRICAL & OUTPUT DATA

Voltage	24 Volt (23 V _{min} , 25 V _{max})
Case Temperature (T _{cmin} & T _{cmax})	T _{cmin} = -25°C, T _{cmax} = specific, see Table below
Storage Temperature (T _{smin} & T _{smax})	T _{smin} = -30°C, T _{smax} = 85°C
Ambient Temperature (T _{amin} & T _{amax})	T _{amin} = -25°C, T _{amax} = specific, see Table below

KALYPSO White High Efficiency HD IP67	HD6	HD10	HD15	HD25	HD36
Power (W/m) ^A	6	10	15	25	36
Efficacy (lm/W) ^A	113	113	120	118	119
max. length (m)	1.83	1.83	1.83	1.83	1.83
max. serial run length (m)	5.0	5.0	4.0	3.0	2.0
CRI / R9 (up to)	96 / 81	96 / 81	86 / 36	86 / 36	86 / 36
Temperature Tc-point (T _{cmax}) ^B	70°C	70°C	70°C	75°C	85°C
max. ambient temp. (T _{amax})	50°C	50°C	50°C	45°C	35°C

low output			high output		
KALYPSO White High Efficiency HD IP67	HD6	HD10	HD15	HD25	HD36
Color temperature ^C	luminaire lumens/meter (lm/m) ^A @ 10° Diffuse				
Order Code	Delivered CCT				
● W820	2,000K	390	650	1040	1830
● W822	2,200K	450	750	1200	1940
● W825	2,500K	510	860	1370	2220
● W927	W927 2,700K	460	770	1450	2360
● W930	W930 3,000K	470	780	1540	2510
● W935	W935 3,500K	480	800	1620	2630
● W940	W940 4,000K	490	820	1660	2690
● W850	5,000K	680	1130	1800	2940

! To configure the specific luminaire please use the online configurator.

Please note: The orange values are CRI 90 specifications.

^AThe given data are typical values. Due to tolerances of the production process and the electrical components, photometric values and electrical power can vary up to 10%.

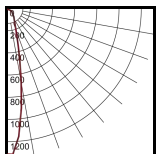
^BThe Tc-point should be measured in thermal equilibrium according to IEC EN 60598-1.

^CIn case of IP67 products, tolerances in the color temperature can occur.

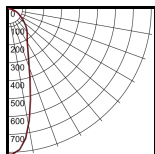
! Note: ~40% luminous flux at opal and ~25% with diffuse cover.

AVAILABLE OPTICS (FAMILY)

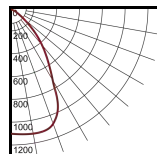
Lens 10°



Lens 30°



Lens 60°



ORDER CODE

Example:

KALYPSO HYD **HD6 W820/0639-100** IP67

CONFIGURE NOW!

Options for the order code:

Your selections ☐ :

LED tape

- HD6 (6 W/m) ☐ HD6
- HD10 (10 W/m) ☐ HD10
- HD15 (15 W/m) ☐ HD15
- HD25 (25 W/m) ☐ HD25
- HD36 (36 W/m) ☐ HD36

Color temperature

- 2,000 K ☐ W820
- 2,200 K ☐ W822
- 2,500 K ☐ W825
- 2,700 K ☐ W927 / W927
- 3,000 K ☐ W930 / W930
- 3,500 K ☐ W935 / W935
- 4,000 K ☐ W940 / W940
- 5,000 K ☐ W850

Please note: The orange values are CRI 90 specifications.

Lengths

- 639 mm (2 clips recommended) ☐ 0639
- 952 mm (2 clips recommended) ☐ 0952
- 1264 mm (3 clips recommended) ☐ 1264
- 1514 mm (3 clips recommended) ☐ 1514
- 1827 mm (4 clips recommended) ☐ 1827

Optics

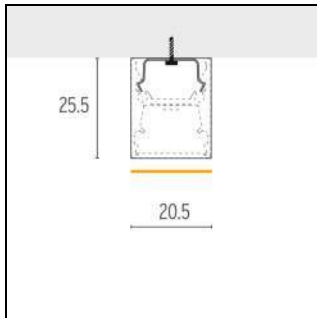
- 10° (degree) ☐ 10D
- 30° (degree) ☐ 30D
- 60° (degree) ☐ 60D

TYPICAL APPLICATIONS



MOUNTING

1. Surface Mounting fixed horizontal



Mounting accessories



VarioClip 010 Set
Art.-#: 13000202

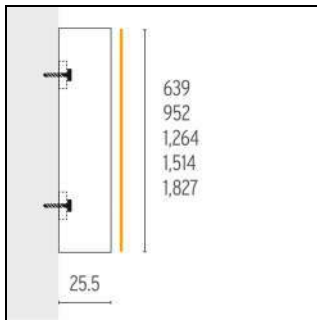
Description

Aluminum mounting clip with washer. Clips inside the fixture profile for invisible mounting. Use according to the mounting instruction

Example of application



2. Surface Mounting fixed vertical



Mounting accessories



Sliding block C010 Set. Incl. Screw
Art.-#: 13000287



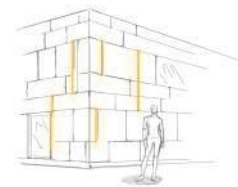
VarioClip 010 Set
Art.-#: 13000202

Description

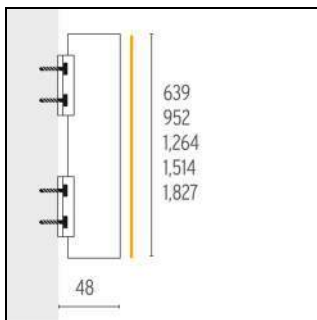
Metal mounting block with set screw for vertical applications. Install inside the fixture profile to stop the fixture from sliding. Recommended to use one mounting lock per fixture.

Aluminum mounting clip with washer. Clips inside the fixture profile for invisible mounting. Use according to the mounting instruction

Example of application



3. Surface Mounting adjustable



Mounting accessories



Sliding block C010 Set. Incl. Screw
Art.-#: 13000287



Adjustable Mounting Clip C007/C010 L140
silver - Length 140 mm
Art.-#: 13000265-SIL

Description

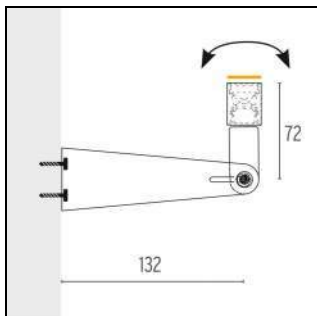
Metal mounting block with set screw for vertical applications. Install inside the fixture profile to stop the fixture from sliding. Recommended to use one mounting lock per fixture.

140 mm silver adjustable mounting clip with a tilt of 60° to each side. Recommended to use one mounting lock (#13000287) per horizontal installation.

Example of application



4. Wall Mounted adjustable



Mounting accessories

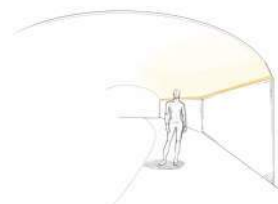


Contour 010 Adjustable Wall Mount Set
(+/- 60°) adjustable in both directions
Art.-#: 13000165

Description

Metal surface mounting adjustable wall arm. The set includes mounting block, mounting clip and adjusting screws. Tilts 140° in each direction and screw locks in position. Recommended to use for every 90 cm. Silver finish.

Example of application



POWER SUPPLY UNIT (PSU) & CONTROLS

Recommended PSU

VarioPSU 24V/90W IP67, 0-10V Black
Art.-#: 16000154



Dimensions (L x H x W): **171 mm x 37.5 mm x 63 mm**
Electrical Class: **SK II**
LED Drive: **CV**
Voltage (V): **24 V**
Rated Power (W): **90 W**
Input Voltage (Vac): **90 – 305**
Region: **WR**
Certificates: **ENEC, UL**
Schutzart: **IP67**
Indoor/Outdoor: **Outdoor**

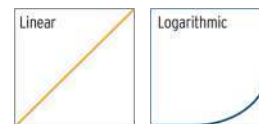
Recommended Control

IN.finite CASAMBI 2Ch CV
Art.-#: 16000267-EVO



Dimensions (L x H x W): **188 mm x 21 mm x 30 mm**
Channels: **2**
Dimming Options: **Casambi BLE**
Dimming: **PWM (f ~ 1600Hz)**
Dimming Curve: **Lin/Log/free conf.**
Dimming Range: **100% - 0%**
Voltage (V): **12-50V**
Certificates: **tbd**
Schutzart: **IP10**
Indoor/Outdoor: **Indoor**

Dimming



CABLING ACCESSORIES



VarioCon Female Mini 2 x 0.34 mm² 0.2 m IP67
Art.-#: **15000141**
Required quantity: -



VarioCon Female Mini 2x0,34mm² 2m IP67
Art.-#: **15000142**
Required quantity: -



VarioCon Extension Mini 2 x 0.34 mm² 0.1 m IP67
Art.-#: **15000143**
Required quantity: -



VarioCon Extension Mini 2x0,34mm² 2m IP67
Art.-#: **15000144**
Required quantity: -

VOLTAGE DROP INFORMATION FOR THE FEED-IN LINE (PSU / CONTROL TO FIXTURE)**0.34 mm² / AWG 22**

KALYPSO White High Efficiency HD IP67	HD6	HD10	HD15	HD25	HD36
Product run Length	max. cable length between PSU / Control unit and the luminaire				
1 m	32.3 m	19.4 m	12.9 m	7.7 m	5.3 m
2 m	16.1 m	9.7 m	6.4 m	3.8 m	2.6 m
3 m	10.7 m	6.4 m	4.3 m	2.5 m	-
4 m	8 m	4.8 m	3.2 m	-	-
5 m	6.4 m	3.8 m	-	-	-

1.5 mm² / AWG 15

KALYPSO White High Efficiency HD IP67	HD6	HD10	HD15	HD25	HD36
Product run Length	max. cable length between PSU / Control unit and the luminaire				
1 m	142.8 m	85.6 m	57.1 m	34.2 m	23.8 m
2 m	71.4 m	42.8 m	28.5 m	17.1 m	11.9 m
3 m	47.6 m	28.5 m	19 m	11.4 m	-
4 m	35.7 m	21.4 m	14.2 m	-	-
5 m	28.5 m	17.1 m	-	-	-

Calculation refers to the cable configuration on site.

The information listed in the table is only refers to the conductor-based voltage drop of max. 0.85V at 24V DC input voltage.

Regarding the electromagnetic compatibility (EMC) the maximum cable length is defined by the power supply manufacturer.

A cable length between power supply and planned product longer than indicated by the datasheet of the power supply is possible. However the electromagnetic compatibility can then be influenced by the conditions of the installation site. There is no data on electromagnetic compatibility for longer cable lengths, which might lead to the necessity of an evaluation of the electromagnetic compatibility by a third party.

Datasheets and mounting instructions of the components in combination with the planned product must be carefully read and followed.

**XP-01 EXISTING PEDESTRIAN POLE
MOUNTED LIGHT FIXTURE**

**XP-02 NEW PEDESTRIAN POLE MOUNTED
LIGHT FIXTURE TO MATCH EXISTING**

**PLACE HOLDER CUTSHEET UNTIL FIXTURE
SPECIFICATIONS ARE PROVIDED BY CoM**

LINEA 450 G2

Pole Mounted Luminaire

TYPE XP-03
.hess

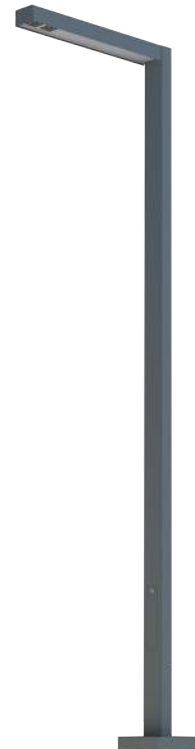
DESCRIPTION

The LINEA G2 leverages the latest in LED technology with distinctive design and exceptional versatility to perceptively capture today's minimalist design philosophy. The well-proportioned reduced form continues retain its validity far into the future. Available in single or twin mounting configurations, the pedestrian-scale model is 15' tall, with complementary models in intermediate and taller heights of 20' and 26' for proper scale in a variety of applications. A selection of LED illuminating bollards for performance or ambience complements the product family. All hardware is stainless steel. CSA Listed for Wet Locations.

PROTECTED BY

PRIMAR®

Date: _____	Type: _____	Catalog Number: _____
Project Name: _____		



ORDERING INFORMATION

LUMINAIRE									
MODEL	SOURCE	CCT	DISTRIBUTION	VOLT	MOUNTING	POLE	POLE MAT	FINISH (Primar™)	OPTION
LN450G	1LVC- 1 LEVO C Module	WW - 3000K	T2 - Type II	UNV - 120-277v	A - Single Mount	15SR - 15' Straight Rectangular	A - Aluminum	SG - Silver Grey	3PR - 3-pin NEMA Photocontrol Receptacle
	2LVC- 2 LEVO C Modules	NW - 4000K	T3 - Type III		B - Twin Mount	X - Other (Specify)	S - Steel	DG - Dark Grey	5PR - 5-pin NEMA Photocontrol Receptacle
			T4 - Type IV					GG - Graphite Grey	7PR - 7-pin NEMA Photocontrol Receptacle
								MB - Matte Black	DIM - 0-10v dimming
								DB - Dark Bronze	GFCI - GFCI Outlet
								CC - Custom RAL Color (non-Primar)	HSS - House Side Shield
									MS - Motion Sensor
									TVSS10 10KV Surge Suppressor
									TVSS20 20KV Surge Suppressor

Contact:
MMLD
Molly McKnight
6930 E Soyaluna Pl
Tucson AZ 85715
p: 917 856 6683
e: molly.mcknight@mmlld.co

EXPERIENCE
BRANDS

www.hessamerica.com (For other Experience Brands companies, please visit www.experiencebrandsusa.com)
In a continuing effort to offer the best product possible, we reserve the right to change, without notice, specifications or materials. Technical specification sheets that appear on www.hessamerica.com are the most recent ones available.

1/5

Rev 20220919

SPECIFICATIONS

HOUSING

Rectangular luminaire housing with integral fitter is extruded 6061 aluminum with T6 temper and shows no visible welds. Individual LED arrays are sealed by the lens and a one-piece silicone gasket making a weather tight modular assembly. 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 consist of 1 or 2 LED light engines. Each light engine 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. Optional house side shields for the individual modules are available on request.

LED DELIVERED LUMEN OUTPUT / BUG RATING

2 Modules: 72 watts

Type II - 3000k: 7185 lms / B2-U0-G2	Type II - 4000k: 7789 lms / B2-U0-G2
Type III - 3000k: 7196 lms / B2-U0-G2	Type III - 4000k: 7800 lms / B2-U0-G2
Type IV - 3000k: 6813 lms / B2-U0-G2	Type IV - 4000k: 7405 lms / B2-U0-G2

2 Modules w/ House Side Shield: 72 watts

Type II - 3000k: 6814 lms / B1-U0-G1	Type II - 4000k: 7386 lms / B1-U0-G2
Type III - 3000k: 6805 lms / B2-U0-G1	Type III - 4000k: 7377 lms / B2-U0-G1
Type IV - 3000k: 6407 lms / B1-U0-G2	Type IV - 4000k: 6945 lms / B1-U0-G2

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

Each LED module is driven by an independent electronic driver. Input voltage range is 120v through 277v at 50/60Hz. Each driver supplies 700mA drive current to its respective LED module. Power consumption for single driver is 36 watts and 72 watts for models with two LED light engines. Optional 0-10v DC dimming is available on request.

LUMINAIRE WEIGHT: 22 lbs.

LUMINAIRE EPA: 1.3 sq. ft

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" radiused 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 3/8" radiused corners. Pole shall show no seam along the shaft. Flush mounted hand hole cover is plasma cut with kerf not to exceed 1/16" 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:

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

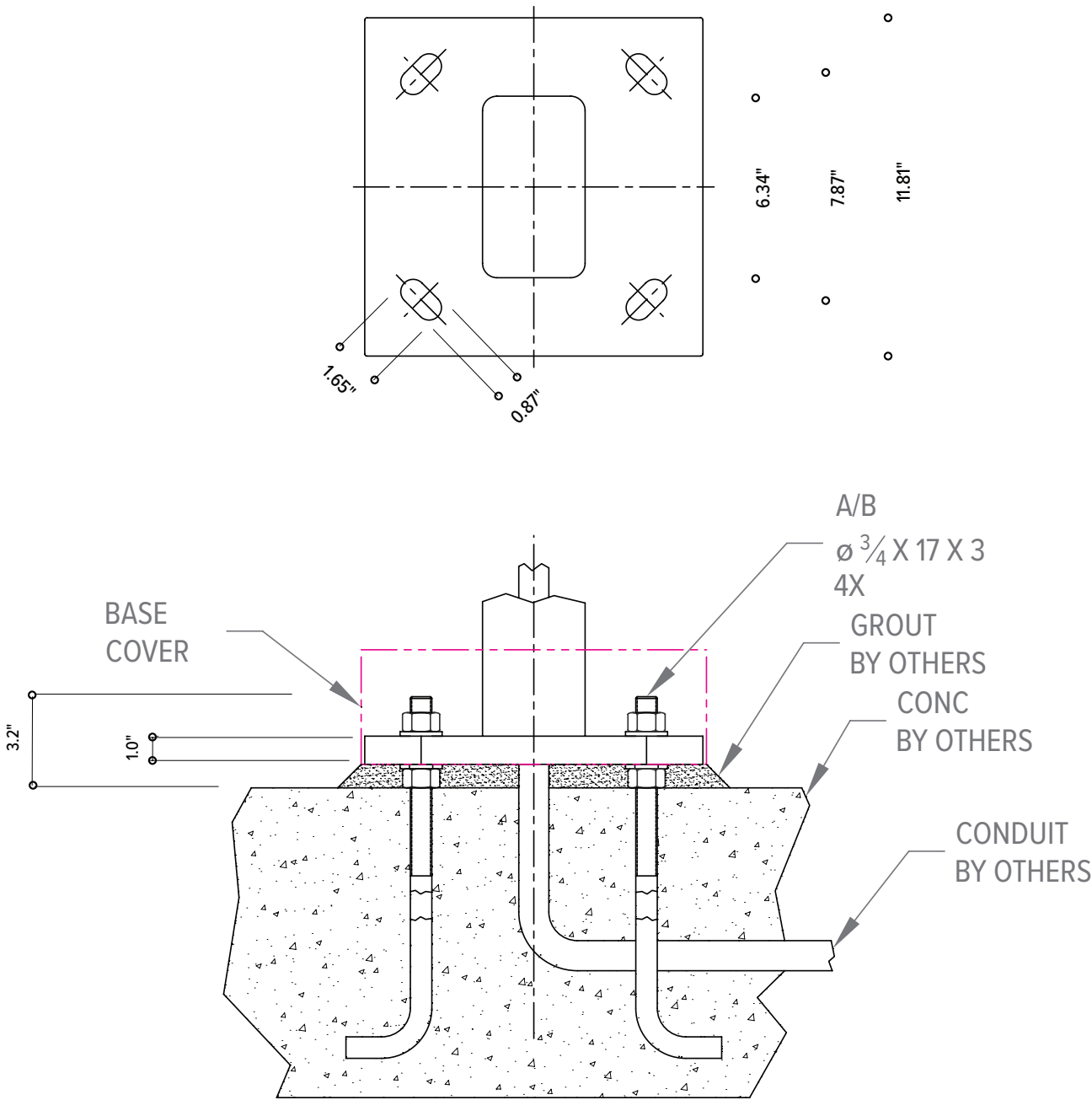
INGRESS PROTECTION: IP65

WARRANTY

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

MOUNTING DETAILS

All dimensions are shown in inches unless otherwise noted.



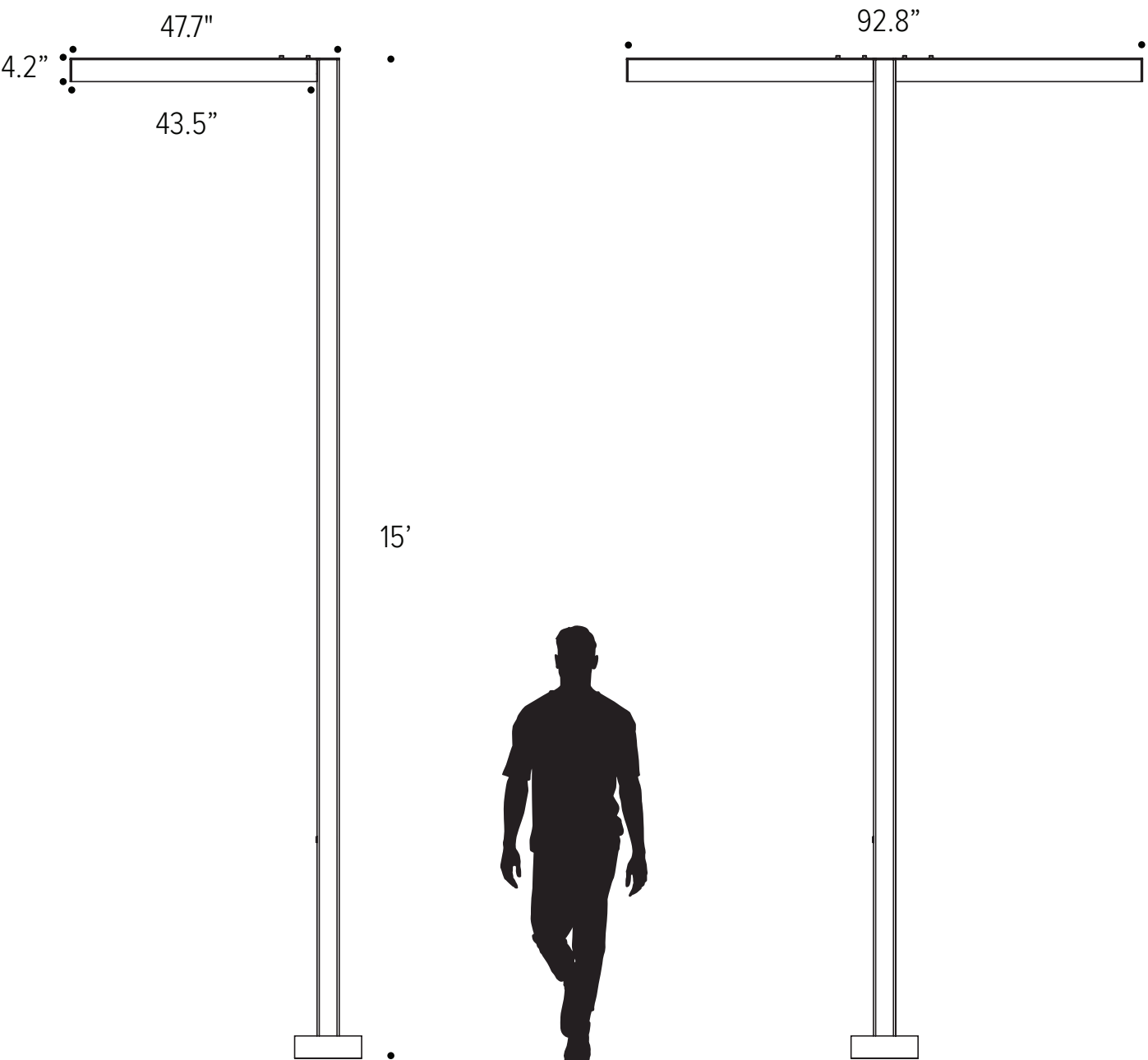
LINEA 450 G2

Pole Mounted Luminaire

.hess

DIMENSIONS

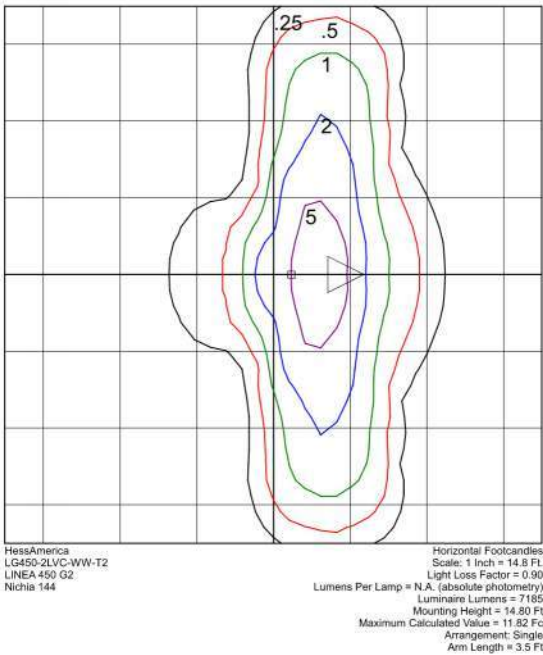
All dimensions are shown in inches unless otherwise noted.



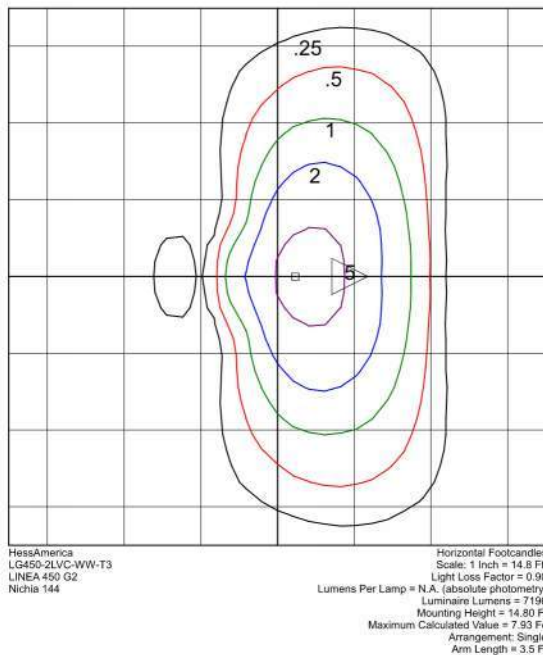
PHOTOMETRICS (3000K)

Mounting Height: 1" / Scale: Each square = 14.8'

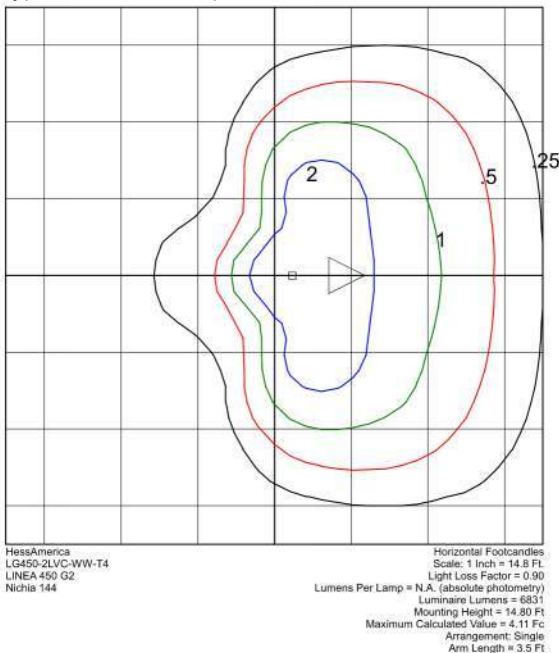
Type II - Standard Optics



Type III - Standard Optics



Type IV - Standard Optics



ISOLINES LEGEND:

Black	=	0.25 FC
Red	=	0.50 FC
Green	=	1.0 FC
Blue	=	2.0 FC
Purple	=	5.0 FC

ARTISTAR LED (INTEGRAL TRANSFORMER)

IP66 RATED

DATE:	PROJECT:	TYPE:
-------	----------	-------

CATALOG NUMBER LOGIC:



*Please see Adjust-e-Lume photometry to determine desired intensity.

**Base height limited to 6" max with Brass and Stainless Steel Canopy.

CATALOG NUMBER LOGIC

Example: B - AR - LED - TR - e64 - NSP - A9 - BLP - 12 - 11 - A - 12 - PP

MATERIAL

(Blank) - Aluminum B - Brass S - Stainless Steel

SERIES

AR - ArtiStar

SOURCE

LED - with Integral Driver

SOURCE

TR - Integral Transformer

LED TYPE

e64 - 7W LED/2700K e66 - 7W LED/4000K

e65 - 7W LED/3000K e74 - 7W LED/Amber

OPTICS

NSP - Narrow Spot (13°) MFL - Medium Flood (23°)

SP - Spot (16°) WFL - Wide Flood (31°)

ADJUST-E-LUME OUTPUT INTENSITY**

A9 (Standard), A8, A7, A6, A5, A4, A3, A2, A1

FINISH (See page 2 for full-color swatches)

Standard Finishes (BZP, BZW, BLP, BLW, WHP, WHW, SAP, VER)

Premium Finish (ABP, AMG, AQW, BCM, BGE, BPP, CAP, CMG, CRI, CRM, HUG, MDS, NBP, OCP, RMG, SDS, SMG, TXF, WCP, WIR)

Also available in RAL Finishes

Brass Finishes (MAC, POL, MIT)

Stainless Steel Finishes (MAC, POL)

LENS TYPE

12 - Soft Focus 13 - Rectilinear

SHIELDING

11 - Honeycomb Baffle

CAP STYLE

A - 45°

B - 90°

C - Flush Lens

D - 45° Less Weephole (Interior use only)

E - 90° Less Weephole (Interior use only)

F - 90° with Flush Lens

BASE HEIGHT

6" (Standard), 12", 18", & 24" with Anchor Base

MOUNTING OPTION

PP - 18" Power Pipe Stake Mount

SF - Stability Flange (For use with Power Pipe)

WM - Wall or Ceiling Mount with 5" dia. Machined Canopy**

Contact:
MMLD
Molly McKnight
6930 E Soyaluna Pl
Tucson AZ 85715
p: 917 856 6683
e: molly.mcknight@mml.com

B-K LIGHTING**MADE IN THE USA**

559.438.5800 | INFO@BKLIGHTING.COM | BKLIGHTING.COM

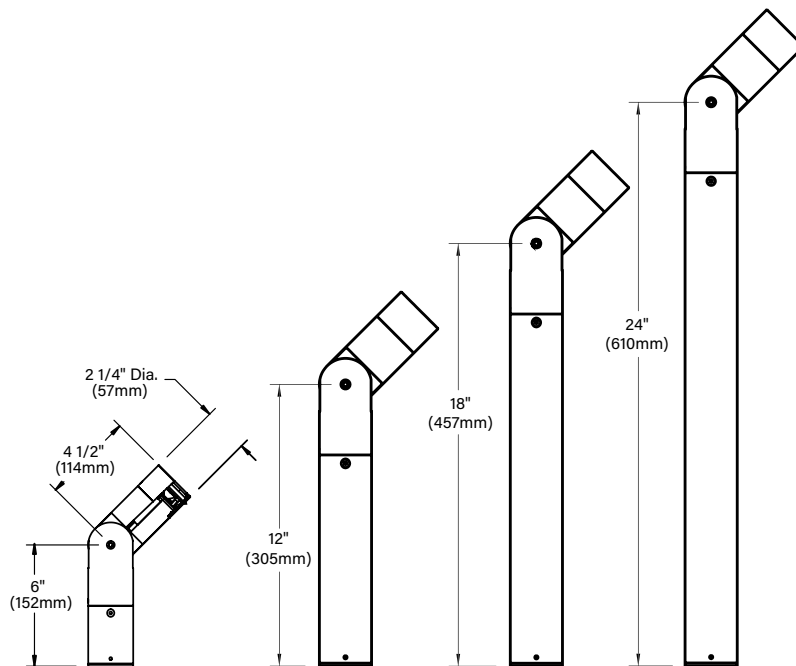
THIS DOCUMENT CONTAINS PROPRIETARY INFORMATION OF B-K LIGHTING, INC. AND ITS RECEIPT OR POSSESSION DOES NOT CONVEY ANY RIGHTS TO REPRODUCE, DISCLOSE ITS CONTENTS, OR TO MANUFACTURE, USE OR SELL ANYTHING IT MAY DESCRIBE. REPRODUCTION, DISCLOSURE OR USE WITHOUT SPECIFIC WRITTEN AUTHORIZATION OF B-K LIGHTING, INC. IS STRICTLY FORBIDDEN.

01/16/2020 SKU-669
SUB001108

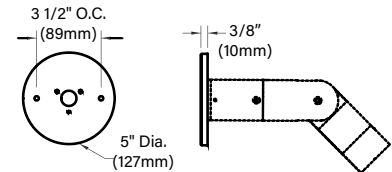
DATE:

PROJECT:

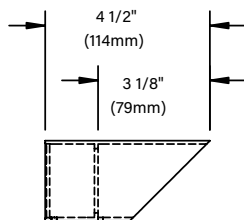
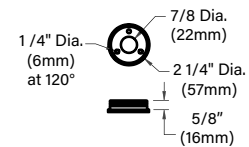
TYPE:



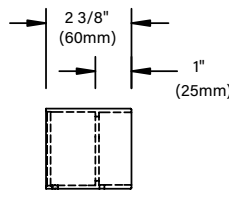
WALL MOUNT CANOPY



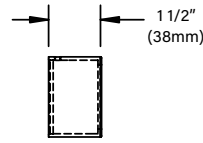
STANDARD BASE



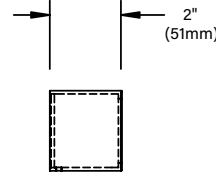
A/D CAP



B/E CAP

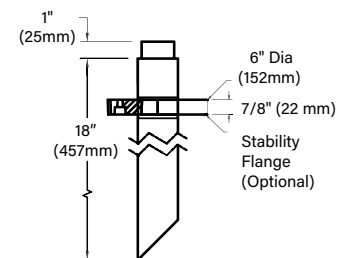


C CAP



F CAP

POWER PIPE

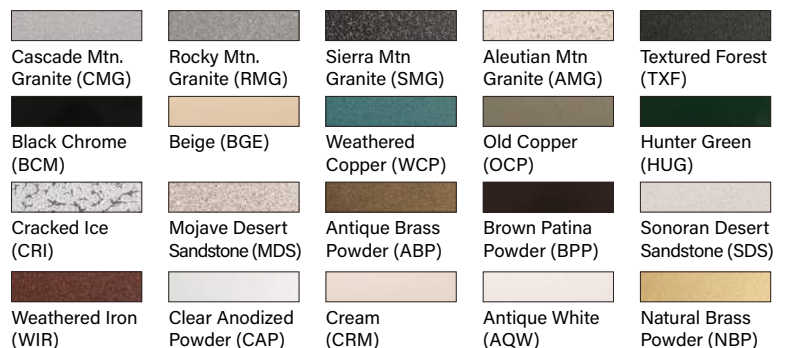


STANDARD FINISHES



[Click Here](#) to view larger, full-color swatches of all available finishes on our website.

PREMIUM FINISHES

**B-K LIGHTING****MADE IN THE USA**559.438.5800 | INFO@BKLIGHTING.COM | BKLIGHTING.COM

DATE:	PROJECT:	TYPE:
-------	----------	-------

Accessories (Configure separately)

SPECIFICATIONS

ELECTRICAL	WATTAGE	7W LED
	WIRING	XLPE, 18GA,150C,600V, rated and certified to UL3321.
	TRANSFORMER	Integral, electronic transformer. 105-300VAC primary voltage. 50/60Hz. Non Dimming. 20VA maximum load.
PHYSICAL	MATERIALS	Furnished in copper-free aluminum (6061-T6), brass (360) or stainless steel (304).
	BODY	Unibody design with enclosed, water-proof wireway and integral heat sink is fully machined from solid billet.
	KNUCKLE	Aim & Lock knuckle is integral to the body and features an interior taper machined from solid billet and a reverse angle taper allowing full 18° vertical adjustment without the use of aim-limiting serrated teeth. High temperature, silicone 'O' Ring provides water-tight seal and compressive resistance to maintain fixture position. Design withstands 73 lbs. static load prior to movement for optical alignment with a ½" pipe thread for mounting. Optional 360SL provides biaxial source control with 360° horizontal rotation in addition to vertical adjustment.
	CAP	Fully machined and accommodates one (1) lens or louver media.
	LENS	Shock-resistant, tempered glass lens is factory adhered to fixture cap and provides hermetically sealed optical compartment.
	LED	Integrated solid state system and modular design with electrical disconnects allow for easy field upgrade and maintenance. LM-80 certified. Minimum 50,000 hour rated life at 70% of initial lumens (L70). LED technology provides long life, significant energy reduction and exceptional thermal management.
	DIMMING	Line voltage dimmable via magnetic low voltage dimmer with dedicated neutral conductor. Remote magnetic transformer with LED loads should be loaded to 25% of the transformer VA (watts) rated value.
	OPTICS	Interchangeable OPTIKIT modules permit optical field changes. Color-code: Narrow Spot (NSP) = red; Spot (SP) = green; Medium Flood (MFL) = yellow; Wide Flood (WFL) = blue.
	ADJUST-E-LUME	Integral electronics allows dynamic lumen response at the individual fixture. Indexed (100% to 25% nom.) lumen output. Maintains output at desired level or may be changed. Specify factory preset output intensity.
	INSTALLATION	Available for installation in three distinct mounting conditions:
	ANCHOR BASE (STANDARD)	Machined anchor base with 7/8" dia. slip conduit hole and (3) 3/16" dia. anchor bolt holes (hardware by others).
	POWER PIPE (OPTIONAL)	Provides a clean transition from wiring system to fixture. Schedule 80, 18" PVC housing for direct burial into soil or concrete. Machined 2 1/4" dia. cap for fixture mounting with stainless steel hardware. Optional 6" dia., molded stability flange, to simplify installation and projects into substrate to reinforce housing stability.
	WALL MOUNT CANOPY (OPTIONAL)	Optional 5" dia. machined canopy permits mounting to junction box (gasket by others). 8" maximum base height for canopy-mounted brass or stainless steel fixture.
	HARDWARE	Tamper-resistant, stainless steel hardware. Knuckle vertical aiming screw is black oxide treated for additional corrosion resistance.
	FINISH	StarGuard, our 15-stage chromate-free process cleans and conversion coats aluminum components prior to application of Class 'A' TGIC polyester powder coating and is RoHS compliant. Powder coat or metal finish options available for brass material and metal finish option only for stainless steel material.
	WARRANTY	5-year limited warranty.
	CERTIFICATION & LISTING	ITL tested to IESNA LM-79. UL Listed. Certified to CAN/CSA/ANSI Standards. RoHS compliant. Suitable for indoor or outdoor use, in wet locations, and for installation within 4' of the ground. IP66 Rated. Made in the USA with sustainable processes.

LAMP & DRIVER DATA (e64, e65, e66, e74)

DATE:

PROJECT:

TYPE:

CATALOG NUMBER LOGIC:

DRIVER DATA	Input Volts	InRush Current	Operating	Dimmable	Operation Ambient Temperature
	12VAC/DC 50/60Hz	<250mA (non-dimmed)	700mA	Magnetic Low Voltage Dimmer	-22°F-194°F (-30°C - 90°C)

LM79 DATA				L70 DATA		OPTICAL DATA			
BK No.	CCT (Typ.)	CRI (Typ.)	Input Watts (Typ.)	Minimum Rated Life (hrs.) 70% of initial lumens (L ₇₀)		Angle	CBCP	Delivered Lumens	Multiplier
e64	2700K	80	7	50,000		13°	5993	456	0.87
	2700K	80	7	50,000		16°	4546	445	0.87
	2700K	80	7	50,000		23°	1726	397	0.87
	2700K	80	7	50,000		31°	1131	399	0.87
e65	3000K	80	7	50,000		13°	6131	466	0.89
	3000K	80	7	50,000		16°	4650	455	0.89
	3000K	80	7	50,000		23	1766	406	0.89
	3000K	80	7	50,000		31°	1157	409	0.89
e66	4000K	80	7	50,000		13°	6889	524	
	4000K	80	7	50,000		16°	5225	511	
	4000K	80	7	50,000		23°	1984	456	
	4000K	80	7	50,000		31°	1300	459	
e74	Amber	80	7	50,000		13°	3,927	299	0.57
	Amber	80	7	50,000		16°	2,978	291	0.57
	Amber	80	7	50,000		23°	1,131	260	0.57
	Amber	80	7	50,000		31°	741	262	0.57

OPTICS	
Optic	Angle
NSP - Narrow Spot	13°
SP - Spot	16°
MFL - Medium Flood	23°
WFL - Wide Flood	31°

THIS DOCUMENT CONTAINS PROPRIETARY INFORMATION OF B-K LIGHTING, INC. AND ITS RECEIPT OR POSSESSION DOES NOT CONVEY ANY RIGHTS TO REPRODUCE, DISCLOSE ITS CONTENTS, OR TO MANUFACTURE, USE OR SELL ANYTHING IT MAY DESCRIBE. REPRODUCTION, DISCLOSURE OR USE WITHOUT SPECIFIC WRITTEN AUTHORIZATION OF B-K LIGHTING, INC. IS STRICTLY FORBIDDEN.

ARTISTAR - PALM TREE RING LED (INTEGRAL)

IP66 RATED

DATE:	PROJECT:	TYPE:
-------	----------	-------

CATALOG NUMBER LOGIC:



*For use with 120.

CATALOG NUMBER LOGIC

Example: PTR - 4 - 26 - AR - LED - TR - x53 - SP - BZW - 12 - 11 - B - INC - MT

MATERIAL

Aluminum

SERIES

PTR - Palm Tree Ring

FIXTURE QUANTITY

2 - 2 @ 180° 4 - 4 @ 90°

3 - 3 @ 120° 6 - 6 @ 60°

STRAP SIZES

16 - 16" min. to 22" max. tree diameter

21 - 21" min. to 27" max. tree diameter

26 - 26" min. to 32" max. tree diameter

31 - 31" min. to 38" max. tree diameter

FIXTURE

AR - ArtiStar

SOURCE

LED - Chip on Board Technology

HOUSING

TR - Integral Transformer

LED TYPE

x52 - 10W LED/2700K x53 - 10W LED/3000K x54 - 10W LED/4000K

OPTICS

SP - Spot (20°) FL - Flood (40°) MFL - Medium Flood (60°)

FINISH (See page 2 for full-color swatches)

Standard Finishes (BZP, BZW, BLP, BLW, WHP, WHW, SAP, VER)

Premium Finish (ABP, AMG, AQW, BCM, BGE, BPP, CAP, CMG, CRI, CRM, HUG, MDS, NBP, OCP, RMG, SDS, SMG, TXF, WCP, WIR)

Also available in RAL Finishes

LENS TYPE

12 - Soft Focus 13 - Rectilinear

SHIELDING

11 - Honeycomb Baffle (per fixture)

CAP STYLE

A - 45° (per fixture)

B - 90° (per fixture)

C - Flush

F - 90° Cutoff with Flush Lens (per fixture)

CONTROL TYPE

010 - 0-10 Dimming

INC - Dimming Driver (For use with incandescent dimmer)*

INPUT VOLTAGE

MT - 120-277 VAC Input

Contact:
MMLD
Molly McKnight
6930 E Soyaluna Pl
Tucson AZ 85715
p: 917 856 6683
e: molly.mcknight@mmlid.co

B-K LIGHTING**MADE IN THE USA**

559.438.5800 | INFO@BKLIGHTING.COM | BKLIGHTING.COM

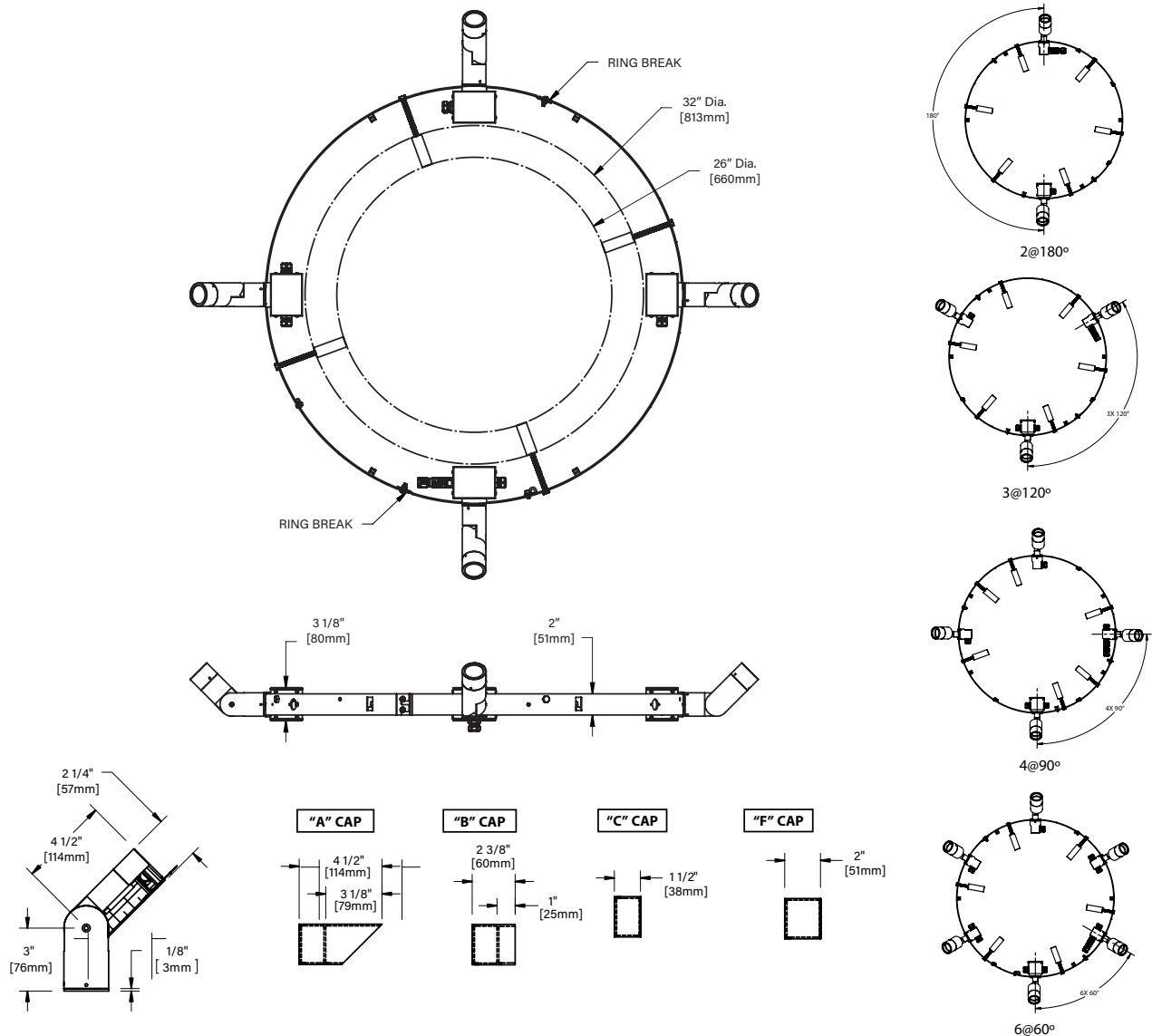
THIS DOCUMENT CONTAINS PROPRIETARY INFORMATION OF B-K LIGHTING, INC. AND ITS RECEIPT OR POSSESSION DOES NOT CONVEY ANY RIGHTS TO REPRODUCE, DISCLOSE ITS CONTENTS, OR TO MANUFACTURE, USE OR SELL ANYTHING IT MAY DESCRIBE. REPRODUCTION, DISCLOSURE OR USE WITHOUT SPECIFIC WRITTEN AUTHORIZATION OF B-K LIGHTING, INC. IS STRICTLY FORBIDDEN.

12/14/2021 SKU - 1329
SUB-2810-00

ARTISTAR - PALM TREE RING LED (INTEGRAL)

IP66 RATED

DATE:	PROJECT:	TYPE:
-------	----------	-------

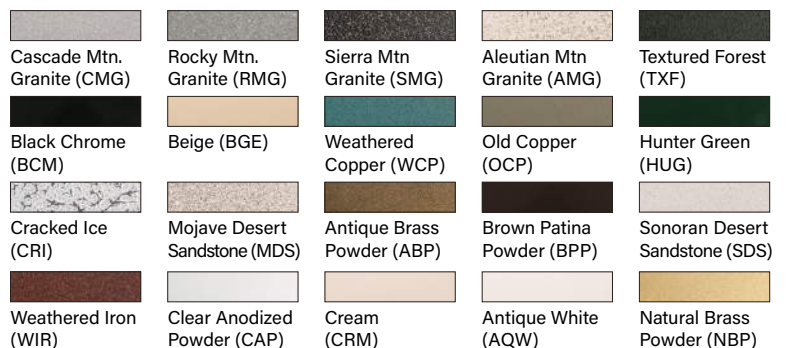


STANDARD FINISHES



[Click Here](#) to view larger, full-color swatches of all available finishes on our website.

PREMIUM FINISHES



B-K LIGHTING

MADE IN THE USA

559.438.5800 | INFO@BKLIGHTING.COM | BKLIGHTING.COM

THIS DOCUMENT CONTAINS PROPRIETARY INFORMATION OF B-K LIGHTING, INC. AND ITS RECEIPT OR POSSESSION DOES NOT CONVEY ANY RIGHTS TO REPRODUCE, DISCLOSE ITS CONTENTS, OR TO MANUFACTURE, USE OR SELL ANYTHING IT MAY DESCRIBE. REPRODUCTION, DISCLOSURE OR USE WITHOUT SPECIFIC WRITTEN AUTHORIZATION OF B-K LIGHTING, INC. IS STRICTLY FORBIDDEN.

12/14/2021 SKU - 1329
SUB-2810-00

ARTISTAR - PALM TREE RING LED (INTEGRAL)

IP66 RATED

DATE:	PROJECT:	TYPE:
-------	----------	-------

Accessories (Configure separately)

SPECIFICATIONS

ELECTRICAL	WATTAGE	10W LED
	WIRING	Fixture factory pre-wired with SEOWW16/3GA105C,600V. Nylon Cord Grip for primary wiring from power line. (Primary wiring by Others.) Min. Cable Dia .230 h Max. Cable Dia .546 h.
	DRIVER	[1] 350mA, Class A, constant current driver. 120VAC / 277VAC (nominal) primary input voltage. 50/60Hz. .090 Power Factor, 10.0A in-rush current, 0.14A input current, .20%THD (nominal at 120VAC full load). Output over-voltage, over-current, and short circuit protection with auto recovery. EMC:FCC47CFR Part 15 Class B compliant. Dimming driver for use with standard incandescent dimmers. 10-100% range.
PHYSICAL	MATERIALS	Palm Tree Ring - 1/8" thick AISI 304 stainless steel. Fixture - copper-free aluminum (6061-T6).
	BODY	Unibody design is fully machined from solid billet and provides enclosed, water-proof wireway and integral heat sink for maximum component life. Integral knuckle for maximum mechanical strength. High temperature, silicone 'O' Ring provides water-tight seal.
	KNUCKLE	Aim & Lock knuckle is integral to the body and machined from solid billet. It features an interior, machined taper and a second, reverse angle taper. The resultant mechanical taper-lock allows a full 180° vertical adjustment without the use of aim-limiting serrated teeth. High temperature, silicone 'O' Ring provides water-tight seal and compressive resistance to maintain fixture position. Design withstands 73 lbs. static load prior to movement to ensure decades of optical alignment. Biaxial source control with 360° horizontal rotation in addition to vertical adjustment.
	CAP	Fully machined and accommodates two (2) lens or louver media.
	LENS	Shock-resistant, tempered glass lens is factory adhered to fixture cap and provides hermetically sealed optical compartment.
	LED	Integrated solid state system and modular design with electrical quick disconnects is scalable for field upgrade and maintenance. Minimum 50,000 hour rated life at 70% of initial lumens (L70). LED technology provides long life, significant energy reduction and exceptional thermal management.
	COLOR MANAGEMENT	Chip On Board technology delivers natural white light. Exact color point conformity exceeds ANSI C78.377 standard. Module exceeds 80 CRI (RA>80, R916). Color point uniformity 2 SDCM color control for 2700K-4000K CCT.
	OPTICS	Interchangeable, color-coded OPTIKIT modules permit field changes to optical distribution.
	HARDWARE	Tamper-resistant, stainless steel hardware. LOCK aiming screw is black oxide treated for additional corrosion resistance.
	FINISH	StarGuard, our 15-stage chromate-free process cleans and conversion coats aluminum components prior to application of Class 'A' TGIC polyester powder coating and is RoHS compliant. Powder coat or metal finish options available for brass material and metal finish option only for stainless steel material.
	WARRANTY	5-year limited warranty.
	CERTIFICATION & LISTING	ITL tested to IESNA LM-79. UL Listed. Certified to CAN/CSA/ANSI Standards. RoHS compliant. Suitable for indoor or outdoor use and in wet locations. IP66 Rated. Made in the USA with sustainable processes.



RoHS



B-K LIGHTING

MADE IN THE USA

559.438.5800 | INFO@BKLIGHTING.COM | BKLIGHTING.COM

THIS DOCUMENT CONTAINS PROPRIETARY INFORMATION OF B-K LIGHTING, INC. AND ITS RECEIPT OR POSSESSION DOES NOT CONVEY ANY RIGHTS TO REPRODUCE, DISCLOSE ITS CONTENTS, OR TO MANUFACTURE, USE OR SELL ANYTHING IT MAY DESCRIBE. REPRODUCTION, DISCLOSURE OR USE WITHOUT SPECIFIC WRITTEN AUTHORIZATION OF B-K LIGHTING, INC. IS STRICTLY FORBIDDEN.

12/14/2021 SKU - 1329
SUB-2810-00

LAMP & DRIVER DATA (x52, x53, x54)

DATE:	PROJECT:	TYPE:
-------	----------	-------

LM79 DATA

BK No.	LUMENS (Source)	CCT (Typ.)	CRI (Ra. Typ.)	Input Watts (Typ.)
x52	1180	2700K	80	10
x53	1230	3000K	80	10
x54	1280	4000K	80	10

L70 DATA

Minimum Rated Life (hrs.) 70% of initial lumens (L70)
50,000
50,000
50,000

OPTICAL DATA

Beam Type	Angle	CBCP
Spot	20°	2680
Flood	40°	1744
Wide Flood	60°	640

B-K LIGHTING

MADE IN THE USA

559.438.5800 | INFO@BKLIGHTING.COM | BKLIGHTING.COM

THIS DOCUMENT CONTAINS PROPRIETARY INFORMATION OF B-K LIGHTING, INC. AND ITS RECEIPT OR POSSESSION DOES NOT CONVEY ANY RIGHTS TO REPRODUCE, DISCLOSE ITS CONTENTS, OR TO MANUFACTURE, USE OR SELL ANYTHING IT MAY DESCRIBE. REPRODUCTION, DISCLOSURE OR USE WITHOUT SPECIFIC WRITTEN AUTHORIZATION OF B-K LIGHTING, INC. IS STRICTLY FORBIDDEN.