

SHOP DRAWING REVIEW

CES DESIGN GROUP, INC.



- ☐ NO EXCEPTION TAKEN
- ☒ NOTE MARKING
- ☐ RE-SUBMIT
- ☐ REJECTED
- ☐ FOR INFORMATION ONLY

REVIEW IS FOR GENERAL CONFORMANCE WITH THE
DESIGN CONCEPT AND CONTRACT DOCUMENTS

Markings or comments shall not be construed as relieving the CONTRACTOR from compliance with the project plans and specifications, nor departure therefrom. The CONTRACTOR remains responsible for details and accuracy for confirming and correlating all quantities, job conditions and dimensions, for selecting fabrication process, for technique of assembly and construction, and for performing his work in a safe manner.

BY CES

DATE 6/13/2023

Job Name
ORIANO'S 1 EAST MCNAB
GENLIGHT23-51835
POMPANO BEACH FL

DRC

PZ23-12000020

08/02/2023



Date: Jun 12, 2023

Genesis Lighting
14101 NW 8th street
Sunrise FL 33325
Phone: (954) 306-3931
Fax:

Job Name
ORIANO'S 1 EAST MCNAB
GENLIGHT23-51835
POMPANO BEACH FL

Bid Date
Jun 12, 2023

Submittal Date
Jun 12, 2023

Engineer:
KAMM CONSULTING
1407 W Newport Center Dr
DEERFIELD BEACH FL 33442

DRC

PZ23-12000020
08/02/2023



Transmittal

Genesis Lighting
 14101 NW 8th street
 Sunrise FL 33325
 Phone: (954) 306-3931
From: CHRISTINE SCHUSTER

Project ORIANO'S 1 EAST MCNAB
Quote# GENLIGHT23-51835
Location POMPANO BEACH FL
 Contact:

ATTACHED WE ARE SENDING YOU 1 COPY OF THE FOLLOWING ITEM:

- | | | |
|-----------------------------------|---|--------|
| <input type="checkbox"/> Drawings | <input type="checkbox"/> Specifications | Other: |
| <input type="checkbox"/> Prints | <input type="checkbox"/> Information | |
| <input type="checkbox"/> Plans | <input type="checkbox"/> Submittals | |

THESE ARE TRANSMITTED FOR:

- | | | |
|--|---|---------------------------------|
| <input type="checkbox"/> Prior Approval | <input type="checkbox"/> Resubmittal for Approval | <input type="checkbox"/> Record |
| <input checked="" type="checkbox"/> Approval | <input type="checkbox"/> Corrections | Bids due on: |
| <input type="checkbox"/> Approval as Submitted | <input type="checkbox"/> Your Use | Other: |
| <input type="checkbox"/> Approval as Noted | <input type="checkbox"/> Review and Comment | |

Type	MFG	Part
P1	RAGNI LIGHTING	BAZAS-32-35-4-T4-480-LAT-XX
P1	RAGNI LIGHTING	S-1200-60608Y4-D1-SC-PC-AB-NCD
SB	LSI INDUSTRIES	MRS-LED-9L-SIL-5W-XX-DIM-40-70CRI-XX
SB	LSI INDUSTRIES	BKA-ASF-XX
SA	LSI INDUSTRIES	MRS-LED-12L-SIL-FT-XX-DIM-40-70CRI-XX-IL
SA	LSI INDUSTRIES	BKA-ASF-XX
WA	LSI INDUSTRIES	XWM-3-LED-06L-40-XX-XX

DRC

PZ23-12000020

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Jun 12, 2023

RE: ORIANO'S 1 EAST MCNAB
POMPANO BEACH FL

Type	MFG	Part
P1	RAGNI LIGHTING	BAZAS-32-35-4-T4-480-LAT-XX
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SA	LSI INDUSTRIES	BKA-ASF-XX
WA	LSI INDUSTRIES	XWM-3-LED-06L-40-XX-XX

DRC

PZ23-12000020

08/02/2023



Date: Jun 12, 2023

Job Name: ORIANO'S 1 EAST MCNAB

BAZAS-32-35-4-T4-480-LAT-XX

TYPE: P1

Bid Date: Jun 12, 2023

Submittal Date: Jun 12, 2023

DRC

PZ23-12000020

08/02/2023

Submitted by Genesis Lighting



Job Name:

ORIANO'S 1 EAST MCNAB
Engineer: KAMM CONSULTING
(DEERFIELD BEACH)

Catalog Number:

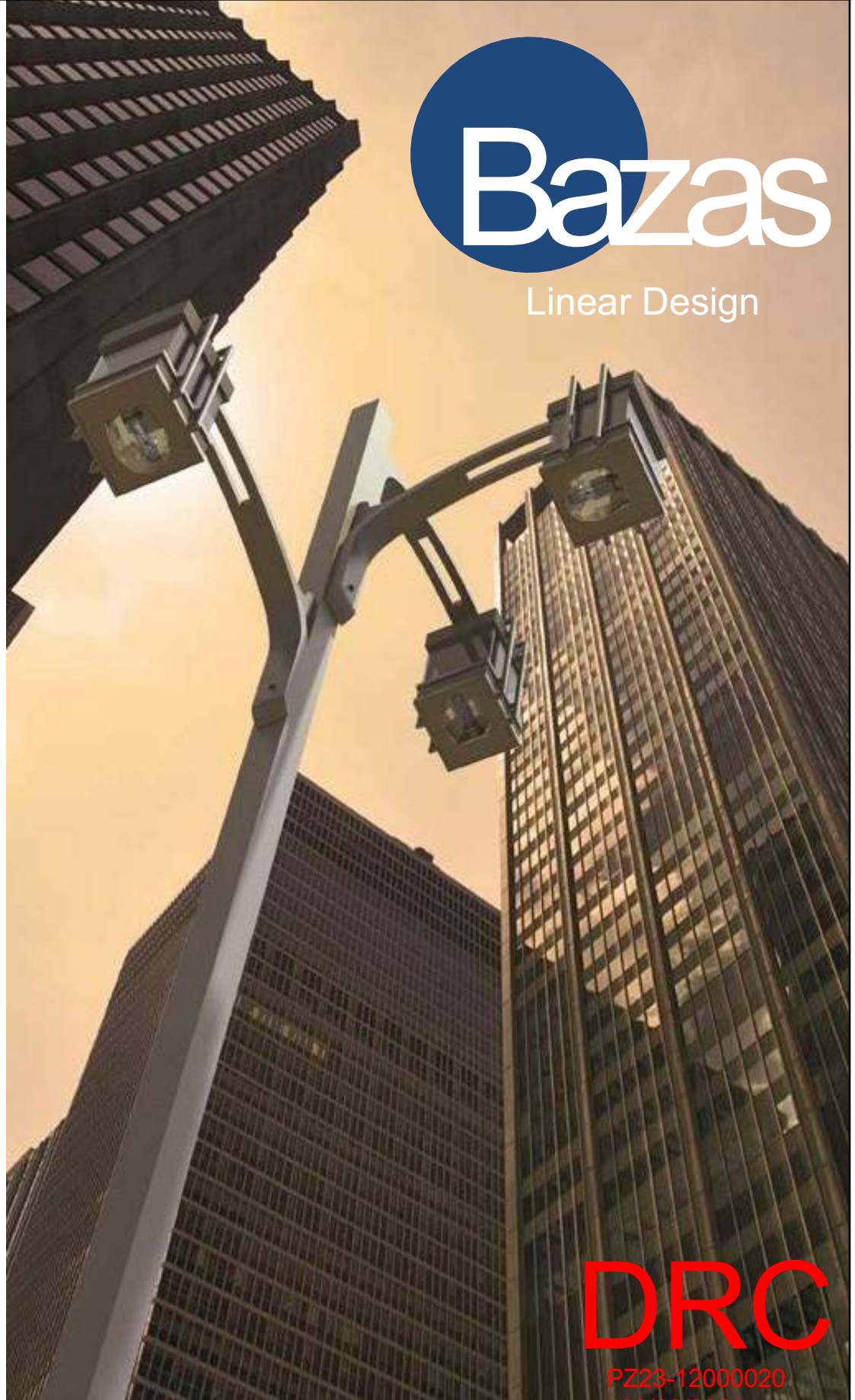
BAZAS-32-35-4-T4-480-LAT-XX

Notes:

Type:

P1

GENLIGHT23-51835



Linear Design

DRC

PZ23-12000020

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Job Name:

ORIANO'S 1 EAST MCNAB
Engineer: KAMM CONSULTING
(DEERFIELD BEACH)

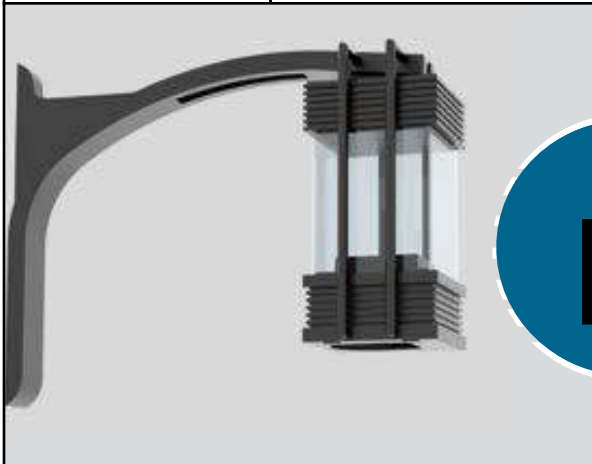
Catalog Number:

BAZAS-32-35-4-T4-480-LAT-XX

Notes:

Type:**P1**

GENLIGHT23-51835



Linear Design



Highlights

- EVO2 Module
- Architectural lines between two eras
- Two distinct light sources: candle effect + street lighting
- 100% cast aluminum
- Double thermal compartments



Technical characteristics

Materials:

Fixture: Cast aluminum
Protection: ME and tempered glass
Bracket: Cast aluminum

Protection Shape:

Standard: Flat or 4 sides

Protection Finish:

Standard: Transparent

Optic:

EVO2

Maximum Power:

EVO2: 48 LED at 700 mA

Mounting:

Center to center for side mount or mural: 27"

Color Options:

Standard colors (White, Silver, Bronze and Black), all RAL colors available upon request.

DRC

Job Name:

ORIANO'S 1 EAST MCNAB
Engineer: KAMM CONSULTING
(DEERFIELD BEACH)

Catalog Number:

BAZAS-32-35-4-T4-480-LAT-XX

Notes:

Type:**P1**

GENLIGHT23-51835

Bazas

Linear Design



- Electronic control gear in the upper part



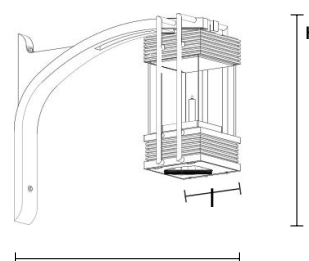
- 20W CDM-tm lamp PGJ5 socket



- Asymmetric reflector on lower part

Electric class

I and II

**Bazas**

Bazas	
Weight (lbs)	
Luminaire	60
Bracket	24
EPA (ft ²)	3.01
Protection Index	
Optical Unit	IP 66
Electrical Housing	IP 44
Shock Resistance	IK 08

	L	H	I
Dimensions	1200	900	395

Option

IK 10 on request



DRC

www.pzgi-lighting.com

P23-1200920

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Submitted by Genesis Lighting	Job Name: ORIANO'S 1 EAST MCNAB Engineer: KAMM CONSULTING (DEERFIELD BEACH)	Catalog Number: BAZAS-32-35-4-T4-480-LAT-XX Notes:	Type: P1 GENLIGHT23-51835
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POWER AND LUMINOUS INTENSITIES PER MODULE - LUMINAIRE OUTPUT DATA

3000 K		350 mA			500 mA			700 mA		
Number of LED		P _t (W)	Φ (lm)	(lm/W)	P _t (W)	Φ (lm)	(lm/W)	P _t (W)	Φ (lm)	(lm/W)
EVO 2	16	21.4	1988	93	28.2	2867	102	36	3636	101
	24	26.6	2982	112	37.4	4302	115	52.4	5455	104
	32	34.4	3976	116	48.8	5734	118	68.9	7271	106
	48	51	5964	117	72.6	8601	118	102.3	10907	107

4000 K		350 mA			500 mA			700 mA		
Number of LED		P _t (W)	Φ (lm)	(lm/W)	P _t (W)	Φ (lm)	(lm/W)	P _t (W)	Φ (lm)	(lm/W)
EVO 2	16	21.4	2147	100	28.2	3097	110	36	3932	109
	24	26.6	3220	121	37.4	4646	124	52.4	5897	113
	32	34.4	4294	125	48.8	6193	127	68.9	7863	114
	48	51	6441	126	72.6	9290	128	102.3	11795	115

ORDERING INFORMATION

Model	# LED	Current (mA)	CCT (K)	Distribution	Line Voltage	Mounting	Color
BAZAS							MUST SPECIFY
	16	35 – (350 mA)	3 - (3000K)	T1	1- (120-277)	LAT- (Lateral)	BLK – (Black)
	32	50 – (500 mA)	4 - (4000K)	T2	3- (347-480)	WAL-(Wall mount)	BRZ – (Bronze)
	48	70 – (700 mA)		T3			SLV – (Silver)
		Custom		T4			WHT – (White)
				T5			(RAL #)

DRC

www.pzgi-lighting.com

P23-1200620

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Date: Jun 12, 2023

Job Name: ORIANO'S 1 EAST MCNAB

S-1200-60608Y4-D1-SC-PC-AB-NCD

TYPE: P1

Bid Date: Jun 12, 2023

Submittal Date: Jun 12, 2023

DRC

PZ23-12000020

08/02/2023

Job Name:

ORIANO'S 1 EAST MCNAB
Engineer: KAMM CONSULTING
(DEERFIELD BEACH)

Catalog Number:

S-1200-60608Y4-D1-SC-PC-AB-NCD

Type:**P1**

Notes:

GENLIGHT23-51835

valmont 
STRUCTURES

**8' to 35' SOFT SQUARE
NON-TAPERED ALUMINUM
4-Bolt Anchor Base**

Job Name: _____	Client Name: _____
Job Location - City: _____ State: _____	Created By: _____ Date: _____
Product: _____ Quote: _____	Customer Approval: _____ Date: _____

SPECIFICATIONS

Pole - The pole shaft is extruded from 6000 series alloy aluminum.

Pole Top - A pole top tenon is provided for top mount luminaire and/or bracket. A removable pole cap is available for poles receiving drilling patterns for side-mount luminaire arm assemblies.

Handhole - A covered handhole with hardware and grounding provision are provided.

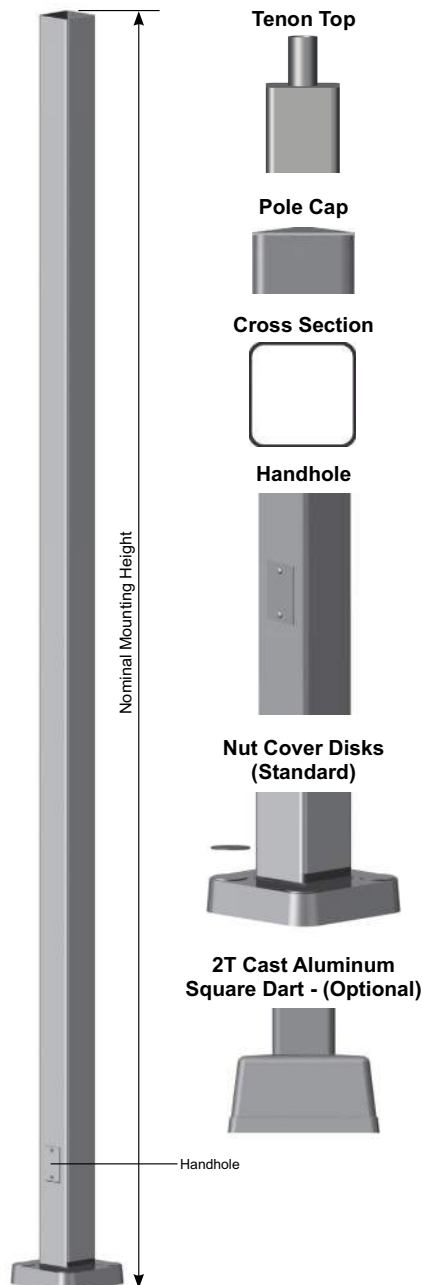
Base Cover - Optional Dart Square - 2T cast aluminum and decorative base covers available as special order.

Anchor Base - The anchor base is cast from 356 alloy aluminum. The completed assembly is heat-treated to a T6 temper. Tamper resistant aluminum nut cover discs are included with anchor base unless otherwise specified.

Anchor Bolts - Anchor bolts conform to ASTM F1554 Grade 55 and are provided with two hex nuts and two flat washers. Bolts have an "L" bend on one end and are galvanized a minimum of 12" on the threaded end.

Finish - The standard finish for the pole assembly and components is satin brushed, natural anodize, duranodic or polyester powder applied coating in accordance with Valmont's Specifications. Additional finish options available upon request.

Design Criteria - Please reference Design Criteria Specification for appropriate design conditions.




Poles - Aluminum

SNTA / 4-Bolt Anchor Base

8' to 35'

DRC

Submitted by Genesis Lighting



Job Name:
ORIANO'S 1 EAST MCNAB
Engineer: KAMM CONSULTING
(DEERFIELD BEACH)

Catalog Number:
S-1200-60608Y4-D1-SC-PC-AB-NCD

Type:
P1
GENLIGHT23-51835

Notes:

Poles - Aluminum

8' to 35' SOFT SQUARE NON-TAPERED ALUMINUM 4-Bolt Anchor Base

valmont

STRUCTURES

Job Name: _____

Client Name: _____

Job Location - City: _____ State: _____

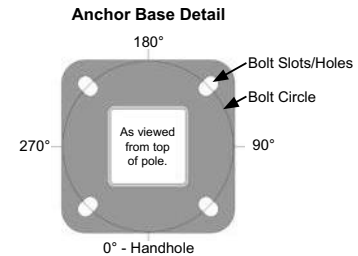
Created By: _____ Date: _____

Product: _____ Quote: _____

Customer Approval: _____ Date: _____

ANCHORAGE DATA

POLE		BASE PLATE				ANCHOR BOLTS		
BASE SQUARE OD (IN)	WALL THK (GA)	BOLT CIRCLE		SQUARE (IN)	THK (IN)	DIA X LENGTH X HOOK (IN)	PROJECTION (IN)	+/- (IN)
		DIA (IN)	± (IN)					
4.00	0.125	9.00	0.50	9.94	0.375	0.75 x 17.00 x 3.00	3.13	N/A
4.00	0.188	9.00	0.50	9.94	0.375	0.75 x 17.00 x 3.00	3.13	N/A
5.00	0.188	11.00	0.50	11.56	0.500	0.75 x 17.00 x 3.00	3.25	N/A
6.00	0.188	12.50	0.44	12.75	0.563	1.00 x 36.00 x 4.00	4.00	N/A
6.00	0.250	12.50	0.44	12.75	0.563	1.00 x 36.00 x 4.00	4.00	N/A
6.75	0.250	14.63	0.50	15.13	0.750	1.00 x 36.00 x 4.00	4.25	N/A



LOAD AND DIMENSIONAL DATA

DESIGN INFORMATION												POLE DIMENSIONS				
NOMINAL MOUNTING HEIGHT	70 MPH w/1.3 GUST		80 MPH w/1.3 GUST		90 MPH w/1.3 GUST		100 MPH w/1.3 GUST		110 MPH w/1.3 GUST		POLE HEIGHT	BASE SQUARE OD (IN)	TOP SQUARE OD (IN)	WALL THK (IN)	STRUCTURE WEIGHT* (LBS)	MODEL NUMBER
	MAX EPA' (SQ FT)	MAX WEIGHT (LBS)	MAX EPA' (SQ FT)	MAX WEIGHT (LBS)	MAX EPA' (SQ FT)	MAX WEIGHT (LBS)	MAX EPA' (SQ FT)	MAX WEIGHT (LBS)	MAX EPA' (SQ FT)	MAX WEIGHT (LBS)						
8'-0"	24.3	350	18.2	350	14.0	350	10.9	350	8.7	350	8'-0"	4.00	4.00	0.125	24	080040404Y4
10'-0"	18.9	260	13.9	260	10.5	260	8.0	260	6.2	260	10'-0"	4.00	4.00	0.125	28	100040404Y4
12'-0"	14.7	260	10.6	260	7.7	260	5.7	260	4.2	260	12'-0"	4.00	4.00	0.125	33	120040404Y4
14'-0"	11.9	200	8.3	200	5.8	200	4.1	200	2.8	200	14'-0"	4.00	4.00	0.125	37	140040404Y4
15'-0"	8.3	200	5.7	200	3.8	200	2.6	200	1.6	200	15'-0"	4.00	4.00	0.125	39	150040404Y4
16'-0"	7.3	200	4.8	200	3.1	200	1.9	200	1.0	200	16'-0"	4.00	4.00	0.125	42	160040404Y4
18'-0"	5.9	100	3.6	100	2.1	100	N/A	100	N/A	100	18'-0"	4.00	4.00	0.125	46	180040404Y4
20'-0"	10.1	150	6.8	150	4.6	150	3.0	150	1.8	150	20'-0"	4.00	4.00	0.188	66	180040406Y4
22'-0"	18.0	260	12.7	260	9.0	260	6.4	260	4.4	260	22'-0"	5.00	5.00	0.188	85	180050506Y4
24'-0"	4.1	150	2.1	150	N/A	150	N/A	150	N/A	150	24'-0"	4.00	4.00	0.125	51	200040404Y4
26'-0"	8.1	150	5.2	150	3.1	150	1.7	150	N/A	150	26'-0"	4.00	4.00	0.188	73	200040406Y4
28'-0"	15.4	150	10.5	150	7.1	150	4.7	150	2.9	150	28'-0"	5.00	5.00	0.188	93	200050506Y4
30'-0"	24.8	150	17.4	150	12.3	150	8.7	150	6.0	150	30'-0"	6.00	6.00	0.188	114	200060606Y4
32'-0"	33.8	260	24.3	260	17.8	260	13.2	260	9.7	260	32'-0"	6.00	6.00	0.250	148	200060608Y4
34'-0"	9.5	100	5.6	100	3.0	100	1.0	100	N/A	100	34'-0"	5.00	5.00	0.188	115	250050506Y4
36'-0"	15.8	260	10.1	260	6.1	260	3.3	260	1.3	260	36'-0"	6.00	6.00	0.188	139	250060606Y4
38'-0"	23.3	260	15.8	260	10.7	260	7.0	260	4.3	260	38'-0"	6.00	6.00	0.250	182	250060608Y4
40'-0"	14.2	260	8.6	260	4.8	260	2.0	260	N/A	260	40'-0"	6.00	6.00	0.250	216	+300060608Y4
42'-0"	20.3	260	13.0	260	8.0	260	4.4	260	1.7	260	42'-0"	6.75	6.75	0.250	250	+30006688Y4
44'-0"	12.2	150	6.9	150	3.2	150	N/A	150	N/A	150	44'-0"	6.00	6.00	0.250	229	+320060608Y4
46'-0"	9.1	100	4.2	100	N/A	100	N/A	100	N/A	100	46'-0"	6.00	6.00	0.250	250	+350060608Y4
48'-0"	13.6	150	7.3	150	3.0	150	N/A	150	N/A	150	48'-0"	6.75	6.75	0.250	288	+35006688Y4

- EPA represents the Effective Projected Area of each luminaire. Designs are limited to top mount or side-mount luminaires. Variations from sizes above are available upon inquiry at the factory. Satisfactory performance of poles is dependent upon the pole being properly attached to a supporting foundation of adequate design.
- Structure weight is a nominal value which includes the pole shaft and base plate.
 - + Pole includes factory installed vibration damper.

PRODUCT ORDERING CODES

CROSS SECTION	MODEL NUMBER		FIXTURE MOUNTING	COLOR		OPTIONS
S			--		--	
S = Square						
	080040404Y4	250060606Y4	Drill Mounting	Polyester Powder	Anodized	See Accessories at valmontstructures.com (Please Specify with Code)
	100040404Y4	250060608Y4	D1 = 1 Luminaire	DWH = White	204 = Clear Natural	
	120040404Y4	+300060608Y4	D2 = 2 @ 180°	DSS = Sandstone	311 = Light Bronze*	
	140040404Y4	+300068688Y4	D4 = 4 @ 90°	BR = Burgundy	312 = Medium Bronze*	
	150040404Y4	+320068688Y4	D5 = 2 @ 90°	HG = Hunter Green	313 = Dark Bronze*	
	160040404Y4	+350060608Y4	D6 = 3 @ 90°	DNA = Natural Aluminum	335 = Black*	
	160040406Y4	+350068688Y4		DCG = Charcoal Gray	*Duranodic Anodize	
	180040404Y4		Tenon Mounting	DMB = Medium Bronze		
	180040406Y4		P2 = 2.38" OD x 4.00"	SBN = Sanded Brown		
	180050506Y4		P3 = 3.50" OD x 6.00"	DNB = New Dark Bronze		
	200040404Y4		P4 = 4.00" OD x 6.00"	DDB = Dark Bronze	Brushed	
	200040406Y4		P5 = 2.88" OD x 4.00"	SBK = Sanded Black	SBF = Satin Brushed	
	200040406Y4		P7 = 2.38" OD x 5.00"	DBL = Black		
	200050506Y4		PQ = 2.38" OD x 12.00"	DSB = Steel Blue		
	200060606Y4		PD = 3.00" OD x 3.00"	DTG = Dark Green		
	200060608Y4		-- = Plain Top	DBR = Red		
	250050506Y4		P9 = Other Tenon (Contact Factory)	SC = Special Color (Contact Factory)		



Date: Jun 12, 2023

Job Name: ORIANO'S 1 EAST MCNAB

MRS-LED-9L-SIL-5W-XX-DIM-40-70CRI-XX
TYPE: SB

Bid Date: Jun 12, 2023

Submittal Date: Jun 12, 2023

DRC

PZ23-12000020

08/02/2023



Catalog #: _____ Project: _____
 Prepared By: _____ Date: _____

Mirada Small Area (MRS)

Outdoor LED Area Light



OVERVIEW	
Lumen Package	6,000 - 24,000
Wattage Range	41 - 196
Efficacy Range (LPW)	112 - 156
Fixture Weight lbs (kg)	20 (9.1)

QUICK LINKS

[Ordering Guide](#)
[Performance](#)
[Photometrics](#)
[Dimensions](#)

FEATURES & SPECIFICATIONS

Construction

- Rugged die-cast aluminum housing contains factory prewired driver and optical unit. Cast aluminum wiring access door located underneath.
- Fixtures are finished with LSI's DuraGrip[®] polyester powder coat finishing process. The DuraGrip finish withstands extreme weather changes without cracking or peeling. Other standard LSI finishes available. Consult factory.
- Shipping weight: 27 lbs in carton.

Optical System

- State-of-the-Art one piece silicone optic sheet delivers industry leading optical control with an integrated gasket to provide IP66 rated seal.
- Proprietary silicone refractor optics provide exceptional coverage and uniformity in distribution types 2, 3, 5W, and FT.
- Silicone optical material does not yellow or crack with age and provides a typical light transmittance of 93%.
- Zero uplight.
- Available in 5000K, 4000K, and 3000K color temperatures per ANSI C78.377
- Minimum CRI of 70.
- Integral louver (IL) and integral half louver (IH) options available for enhanced backlight control.

Electrical

- High-performance driver features over-voltage, under-voltage, short-circuit and over temperature protection.
- 0-10V dimming (10% - 100%) standard.
- Standard Universal Voltage (120-277 VAC) Input 50/60 Hz or optional High Voltage (347-480 VAC).
- L70 Calculated Life: >60k Hours
- Total harmonic distortion: <20%
- Operating temperature: -40°C to +50°C (-40°F to +122°F).
- Power factor: >.90
- Input power stays constant over life.
- Field replaceable 10kV surge protection device meets a minimum Category C Low operation (per ANSI/IEEE C62.41.2).
- High-efficacy LEDs mounted to metal-core circuit board to maximize heat dissipation
- Driver is fully encased in potting material for moisture resistance and complies with FCC standards. Driver and key electronic components can easily be accessed.

Controls

- Optional integral passive infrared Bluetooth[™] motion and photocell sensor. Fixtures operate independently and can be commissioned via iOS or Android configuration app.
- LSI's AirLink[™] wireless control system options reduce energy and maintenance costs while optimizing light quality 24/7.

Installation

- Designed to mount to square or round poles.
- A single fastener secures the hinged door, underneath the housing and provides quick & easy access to the electrical compartment.
- Included terminal block accepts up to 12 ga. wire.
- Utilizes LSI's traditional B3 drill pattern.

Warranty

- LSI luminaires carry a 5-year limited warranty. Refer to <https://www.lsicorp.com/resources/terms-conditions-warranty/> for more information.

Listings

- Listed to UL 1598 and UL 8750.
- Meets Buy American Act requirements.
- IDA compliant; with 3000K color temperature selection.
- Title 24 Compliant; see local ordinance for qualification information.
- Suitable for wet locations.
- IP66 rated Luminaire per IEC 60598-1.
- 3G rated for ANSI C136.31 high vibration applications are qualified.
- IK08 rated luminaire per IEC 66262 mechanical impact code
- DesignLights Consortium[®] Listings in progress.



Submitted by Genesis Lighting	Job Name: ORIANO'S 1 EAST MCNAB Engineer: KAMM CONSULTING (DEERFIELD BEACH)	Catalog Number: MRS-LED-9L-SIL-5W-XX-DIM-40-70CRI-XX Notes:	Type: <div style="font-size: 2em; font-weight: bold;">SB</div> GENLIGHT23-51835
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Mirada Small Area Light (MRS)

Have questions? Call us at (800) 436-7800

Type: _____

ORDERING GUIDE

[Back to Quick Links](#)

TYPICAL ORDER EXAMPLE: MRS LED 18L SIL FT UNV DIM 40 70CRI ALBCS1 BLK IH

Prefix	Light Source	Lumen Package	Lens	Distribution	Orientation ²	Voltage	Driver
MRS - Mirada Small Area Light	LED	6L - 6,000 lms 9L - 9,000 lms 12L - 12,000 lms 15L - 15,000 lms 18L - 18,000 lms 21L - 21,000 lms 24L - 24,000 lms Custom Lumen Packages ¹	SIL - Silicone	2 - Type 2 3 - Type 3 5W - Type 5 Wide FT - Forward Throw	(blank) - standard L - Optics rotated left 90° R - Optics rotated right 90°	UNV - Universal Voltage (120-277V) HV - High Voltage (347-480V) MUST SPECIFY	DIM - 0-10V Dimming (0-10%)
Color Temp	Color Rendering	Controls (Choose One)				Finish	Options
50 - 5,000 CCT 40 - 4,000 CCT 30 - 3,000 CCT	70CRI - 70 CRI	(Blank) - None Wireless Controls System ALSC - AirLink Synapse Control System ALSCS2 - AirLink Synapse Control System with 12-20' MH Motion Sensor ALSCS4 - AirLink Synapse Control System with 20-40' MH Motion Sensor ALBCS1 - AirLink Blue Wireless Motion & Photo Sensor Controller (8-24' MH) ALBCS2 - AirLink Blue Wireless Motion & Photo Sensor Controller (25-40' MH) Stand-Alone Controls EXT - 0-10v Dimming leads extended to housing exterior CR7P - 7 Pin Control Receptacle ANSI C136.41 ³ IMSBT1 - Integral Bluetooth™ Motion and Photocell Sensor (8-24' MH) ⁴ IMSBT2 - Integral Bluetooth™ Motion and Photocell Sensor (25-40' MH) ⁴				BLK - Black BRZ - Dark Bronze GMG - Gun Metal Gray GPT - Graphite MSV - Metallic Silver PLP - Platinum Plus SVG - Satin Verde Green WHT - White MUST SPECIFY	(Blank) - None IH - Integral Half Louver (Moderate Spill Light Cutoff) ² IL - Integral Louver (Sharp Spill Light Cutoff) ²



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Have additional questions?
Call us at (800) 436-7800



Accessory Ordering Information⁵

CONTROLS ACCESSORIES		FUSING OPTIONS ⁷		SHIELDING OPTIONS	
Description	Order Number	Description	Order Number	Description	Order Number
Twist Lock Photocell (120V) for use with CR7P	122514	Single Fusing (120V)	See Fusing Accessory Guide	Mirada Small	See Shielding Guide
Twist Lock Photocell (208-277) for use with CR7P	122515	Single Fusing (277V)		Mirada Medium	
Twist Lock Photocell (347V) for use with CR7P	122516	Double Fusing (208V, 240V)		Mirada Large	
Twist Lock Photocell (480V) for use with CR7P	1225180	Double Fusing (480V)		Zone Medium	
AirLink 5 Pin Twist Lock Controller	661409	Double Fusing (347V)		Zone Large	
AirLink 7 Pin Twist Lock Controller	661410			Slice Medium	
Shorting Cap for use with CR7P	149328				

- Custom lumen and wattage packages available, consult factory. Values are within industry standard tolerances but not DLC listed.
- Not available on "Type 5W" distribution.
- Control device or shorting cap must be ordered separately. See Accessory Ordering Information.
- IMSBT is field configurable via the LSI app that can be downloaded from your smartphone's native app store.
- Accessories are shipped separately and field installed.
- "CLR" denotes finish. See Finish options.
- Fusing must be located in hand hole of pole. See [Fusing Accessory Guide](#) for compatibility.

Mirada Small Area Light (MRS)

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Type: _____

PERFORMANCE

[Back to Quick Links](#)

DELIVERED LUMENS*												
Lumen Package	Distribution	CRI	3000K CCT			4000K CCT			5000K CCT			Wattage
			Delivered Lumens	Efficacy	BUG Rating	Delivered Lumens	Efficacy	BUG Rating	Delivered Lumens	Efficacy	BUG Rating	
6L	2	70	6045	148	B2-U0-G1	6268	154	B2-U0-G1	6253	153	B2-U0-G1	41
	3		6145	151	B1-U0-G2	6372	156	B1-U0-G2	6357	156	B1-U0-G2	
	5W		5812	142	B3-U0-G1	6,026	148	B3-U0-G1	6012	147	B3-U0-G1	
	FT		5947	146	B1-U0-G1	6166	151	B1-U0-G1	6152	151	B1-U0-G1	
9L	2	70	9091	145	B2-U0-G2	9484	152	B2-U0-G2	9462	151	B2-U0-G2	63
	3		9241	148	B2-U0-G2	9641	154	B2-U0-G2	9619	154	B2-U0-G2	
	5W		8740	140	B3-U0-G2	9,118	146	B3-U0-G2	9097	144	B3-U0-G2	
	FT		8943	143	B2-U0-G2	9330	149	B2-U0-G2	9308	149	B2-U0-G2	
12L	2	70	12132	141	B3-U0-G2	12685	148	B3-U0-G2	12514	146	B3-U0-G2	86
	3		12333	143	B2-U0-G2	12894	150	B2-U0-G2	12721	148	B2-U0-G2	
	5W		11664	136	B4-U0-G2	12195	142	B4-U0-G2	12031	140	B4-U0-G2	
	FT		11935	139	B2-U0-G2	12479	145	B2-U0-G2	12311	143	B2-U0-G2	
15L	2	70	14220	128	B3-U0-G2	15167	137	B3-U0-G2	14488	131	B3-U0-G2	111
	3		14938	135	B2-U0-G2	15933	144	B2-U0-G2	15219	137	B2-U0-G2	
	5W		14304	129	B4-U0-G2	15257	137	B4-U0-G2	14574	131	B4-U0-G2	
	FT		14342	129	B2-U0-G2	15297	138	B2-U0-G2	14612	132	B2-U0-G2	
18L	2	70	16438	122	B3-U0-G3	17532	130	B3-U0-G3	16747	124	B3-U0-G3	135
	3		17267	128	B3-U0-G3	18417	137	B3-U0-G3	17592	131	B3-U0-G3	
	5W		16535	123	B4-U0-G2	17636	133	B5-U0-G3	16846	125	B4-U0-G2	
	FT		16578	123	B3-U0-G3	17682	131	B3-U0-G3	16890	125	B3-U0-G3	
21L	2	70	19488	118	B3-U0-G3	20786	126	B3-U0-G3	19885	120	B3-U0-G3	165
	3		20472	124	B3-U0-G3	21835	132	B3-U0-G3	20857	126	B3-U0-G3	
	5W		19604	119	B5-U0-G3	20,909	126	B5-U0-G3	19973	121	B5-U0-G3	
	FT		19655	119	B3-U0-G3	20964	127	B3-U0-G3	20025	121	B3-U0-G3	
24L	2	70	21976	112	B3-U0-G3	23439	120	B3-U0-G3	22390	114	B3-U0-G3	196
	3		23085	118	B3-U0-G3	24622	126	B3-U0-G3	23519	120	B3-U0-G3	
	5W		22105	113	B5-U0-G3	23578	120	B5-U0-G3	22522	115	B5-U0-G3	
	FT		22164	113	B3-U0-G3	23640	121	B3-U0-G3	22581	115	B3-U0-G3	

*LEDs are frequently updated therefore values are nominal.

ELECTRICAL DATA (AMPS)*						
Lumens	120V	208V	240V	277V	347V	480V
6L	0.34	0.20	0.17	0.15	0.12	0.09
9L	0.52	0.30	0.26	0.23	0.18	0.13
12L	0.72	0.41	0.36	0.31	0.25	0.18
15L	0.93	0.53	0.46	0.40	0.32	0.23
18L	1.12	0.65	0.56	0.49	0.39	0.28
21L	1.38	0.80	0.69	0.60	0.48	0.34
24L	1.63	0.94	0.82	0.71	0.56	0.41

*Electrical data at 25°C (77°F). Actual wattage may differ by +/-10%

RECOMMENDED LUMEN MAINTENANCE ¹					
Ambient Temp	Lumen Multiplier				
	0 hrs. ²	25K hrs. ²	50K hrs. ²	75K hrs. ³	100K hrs. ³
C	100%	95%	89%	84%	79%
0 C - 25 C	100%	95%	89%	84%	79%
40 C	100%	94%	87%	80%	74%

- Lumen maintenance values at 25°C are calculated per TM-21 based on LM-80 data and in-situ luminaire testing.
- In accordance with IESNA TM-21-11, Projected Values represent interpolated value based on time durations that are within six times (6X) the IESNA LM-80-08 total test duration (in hours) for the device under testing (DUT) i.e. the packaged LED chip).
- In accordance with IESNA TM-21-11, Calculated Values represent time durations that exceed six times NA LM-80-08 total test duration (in hours) for the device under testing (DUT) i.e. the packaged LED chip).

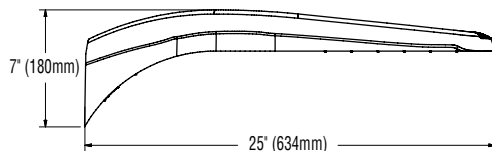
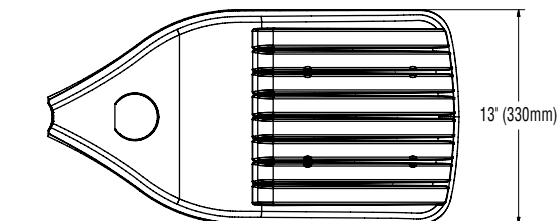
Mirada Small Area Light (MRS)







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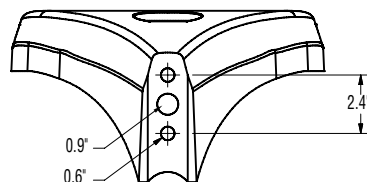
Type: _____

PRODUCT DIMENSIONS

[Back to Quick Links](#)



LUMINAIRE EPA CHART - MRS								
Tilt Degree		0°	30°	45°	Tilt Degree	0°	30°	45°
	Single	0.5	1.3	1.8		T90°	1.4	2.3
	D180°	0.9	1.3	1.8		TN120°	1.4	1.9
	D90°	0.9	1.8	2.2		Q90°	1.4	2.3



B3 Drill Pattern

CONTROLS

AirLink Wireless Lighting Controller

The AirLink integrated controller is a California Title 24 compliant lighting controller that provides real-time light monitoring and control with utility-grade power monitoring. It includes a 24V sensor input and power supply to connect a sensor into the outdoor AirLink wireless lighting system. The wireless integrated controller is compatible with this fixture.

[Click here to learn more about AirLink.](#)

Integral Bluetooth™ Motion and Photocell Sensor (IMSBT)

Slim low profile sensor provides multi-level control based on motion and/or daylight. Sensor controls 0-10 VDC LED drivers and is rated for cold and wet locations (-30° C to 70° C). Two unique PIR lenses are available and used based on fixture mounting height. All control parameters are adjustable via an iOS or Android App capable of storing and transmitting sensor profiles.

[Click here to learn more about IMSBT.](#)

AirLink Blue

Wireless Bluetooth Mesh Outdoor Lighting Control System that provides energy savings, code compliance and enhanced safety/security for parking lots and parking garages. Three key components; Bluetooth wireless radio/sensor controller, Time Keeper and an iOS App. Capable of grouping multiple fixtures and sensors as well as scheduling time-based events by zone. Radio/Sensor Controller is factory integrated into Area/Site, Wall Mounted, Parking Garage and Canopy luminaires.

[Click here to learn more about AirLink Blue.](#)





Date: Jun 12, 2023

Job Name: ORIANO'S 1 EAST MCNAB

BKA-ASF-XX

TYPE: SB

Bid Date: Jun 12, 2023

Submittal Date: Jun 12, 2023

DRC

PZ23-12000020

08/02/2023

Job Name:

ORIANO'S 1 EAST MCNAB
Engineer: KAMM CONSULTING
(DEERFIELD BEACH)

Catalog Number:

BKA-ASF-XX

Notes:

Type:**SB**

GENLIGHT23-51835



Catalog #: _____ Project: _____ Type: _____

Prepared By: _____ Date: _____

BKA-ASF (Adjustable Slip Fitter)

Area Light Bracket

**OVERVIEW**

EPA	0.2
Size (LxWxH)	3.5x3.9x8.9
Weight lbs	5

**FEATURES & SPECIFICATIONS**

- Designed to mount LSI luminaires onto a 2" (51mm) IP, 2.375" (60mm) O.D. tenon.
- Can be rotated 180° allowing for tilting LSI luminaires up to 45 degrees for higher vertical illumination and 90° when using a vertical tenon
- Separate wireways for both line voltage and dimming wires
- Rugged 3pc Die Cast Aluminum construction, silicone pole gasket, fixture mounting studs, stainless steel visible hardware, and self-drilling screw for extra security
- 3G rated for ANSI C136.31 high vibration applications in both Vertical and Horizontal mountings
- Bracket finished with LSI's DuraGrip® polyester powder coat finishing process. The DuraGrip finish withstands extreme weather changes without cracking or peel-

COMPATIBLE FIXTURES

MRL/ZNL

MRM/ZNM

SLM

TYPICAL ORDER EXAMPLE: BKA ASF BLK**Prefix**

BKA ASF - Adjustable Slip Fitter

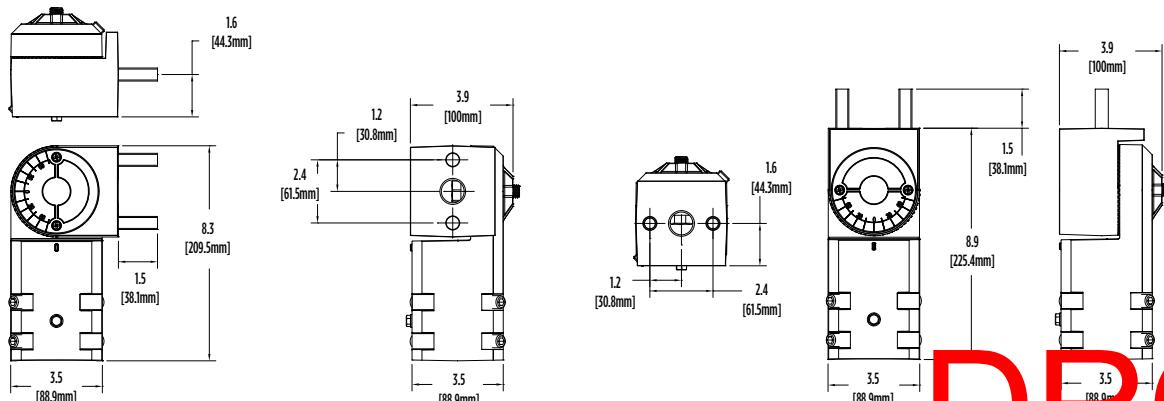
Finish**MUST SPECIFY**

BRZ - Bronze
BLK - Black
MSV - Metallic Silver
GPT - Graphite
WHT - White
SVG - Satin Verde Green
PLP - Platinum Plus



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**PRODUCT DIMENSIONS**

DRC



Date: Jun 12, 2023

Job Name: ORIANO'S 1 EAST MCNAB

**MRS-LED-12L-SIL-FT-XX-DIM-40-70CRI-XX-IL
TYPE: SA**

Bid Date: Jun 12, 2023

Submittal Date: Jun 12, 2023

DRC

PZ23-12000020

08/02/2023



Catalog #: _____ Project: _____
 Prepared By: _____ Date: _____

Mirada Small Area (MRS)

Outdoor LED Area Light



IP66 IK08



OVERVIEW	
Lumen Package	6,000 - 24,000
Wattage Range	39-196
Efficacy Range (LPW)	112-158
Fixture Weight lbs (kg)	20 (9.1)

QUICK LINKS

[Ordering Guide](#)
[Performance](#)
[Photometrics](#)
[Dimensions](#)

FEATURES & SPECIFICATIONS

Construction

- Rugged die-cast aluminum housing contains factory prewired driver and optical unit. Cast aluminum wiring access door located underneath.
- Fixtures are finished with LSI's DuraGrip[®] polyester powder coat finishing process. The DuraGrip finish withstands extreme weather changes without cracking or peeling. Other standard LSI finishes available. Consult factory.
- Shipping weight: 27 lbs in carton.

Optical System

- State-of-the-Art one piece silicone optic sheet delivers industry leading optical control with an integrated gasket to provide IP66 rated seal.
- Proprietary silicone refractor optics provide exceptional coverage and uniformity in distribution types 2, 3, 5W, and FT.
- Silicone optical material does not yellow or crack with age and provides a typical light transmittance of 93%.
- Zero uplight.
- Available in 5000K, 4000K, and 3000K color temperatures per ANSI C78.377
- Minimum CRI of 70.
- Integral louver (IL) and integral half louver (IH) options available for enhanced backlight control.

Electrical

- High-performance driver features over-voltage, under-voltage, short-circuit and over temperature protection.
- 0-10V dimming (10% - 100%) standard.
- Standard Universal Voltage (120-277 VAC) Input 50/60 Hz or optional High Voltage (347-480 VAC).
- L70 Calculated Life: >60k Hours
- Total harmonic distortion: <20%
- Operating temperature: -40°C to +50°C (-40°F to +122°F).
- Power factor: >.90
- Input power stays constant over life.
- Field replaceable 10kV surge protection device meets a minimum Category C Low operation (per ANSI/IEEE C62.41.2).
- High-efficacy LEDs mounted to metal-core circuit board to maximize heat dissipation
- Driver is fully encased in potting material for moisture resistance and complies with FCC standards. Driver and key electronic components can easily be accessed.

Controls

- Optional integral passive infrared Bluetooth[™] motion and photocell sensor. Fixtures operate independently and can be commissioned via iOS or Android configuration app.
- LSI's AirLink[™] wireless control system options reduce energy and maintenance costs while optimizing light quality 24/7.

Installation

- Designed to mount to square or round poles.
- A single fastener secures the hinged door, underneath the housing and provides quick & easy access to the electrical compartment.
- Included terminal block accepts up to 12 ga. wire.
- Utilizes LSI's traditional B3 drill pattern.

Warranty

- LSI luminaires carry a 5-year limited warranty. Refer to <https://www.lsicorp.com/resources/terms-conditions-warranty/> for more information.

Listings

- Listed to UL 1598 and UL 8750.
- Meets Buy American Act requirements.
- IDA compliant; with 3000K color temperature selection.
- Title 24 Compliant; see local ordinance for qualification information.
- Suitable for wet locations.
- IP66 rated Luminaire per IEC 60598-1.
- 3G rated for ANSI C136.31 high vibration applications are qualified.
- IK08 rated luminaire per IEC 66262 mechanical impact code
- DesignLights Consortium[®] (DLC) qualified product. Not all versions of this product may be DLC qualified. Please check the DLC Qualified product list at www.designlights.org/QPL to confirm which versions are qualified.



LSI Industries Inc. 10000 Alliance Rd. Cincinnati, OH 45242 • (513) 372-3200 • www.lsicorp.com
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DRC

Page 1/7 Rev. 04/06/23
 SPEC 1046.B.1122

PZ23-12000020

08/02/2023 Index Page

Submitted by Genesis Lighting	Job Name: ORIANO'S 1 EAST MCNAB Engineer: KAMM CONSULTING (DEERFIELD BEACH)	Catalog Number: MRS-LED-12L-SIL-FT-XX-DIM-40-70CRI-XX-IL Notes:	Type: <div style="font-size: 2em; font-weight: bold;">SA</div> GENLIGHT23-51835
-------------------------------	---	--	---

Mirada Small Area Light (MRS)

Have questions? Call us at (800) 436-7800

Type: _____

ORDERING GUIDE

[Back to Quick Links](#)

TYPICAL ORDER EXAMPLE: MRS LED 18L SIL FT UNV DIM 40 70CRI ALBCS1 BLK IH							
Prefix	Light Source	Lumen Package	Lens	Distribution	Orientation²	Voltage	Driver
MRS - Mirada Small Area Light	LED	6L - 6,000 lms 9L - 9,000 lms 12L - 12,000 lms 15L - 15,000 lms 18L - 18,000 lms 21L - 21,000 lms 24L - 24,000 lms Custom Lumen Packages¹	SIL - Silicone	2 - Type 2 3 - Type 3 5W - Type 5 Wide FT - Forward Throw	(blank) - standard L - Optics rotated left 90° R - Optics rotated right 90°	UNV - Universal Voltage (120-277V) HV - High Voltage (347-480V)	DIM - 0-10V Dimming (0-10%)
Color Temp	Color Rendering	Controls (Choose One)				Finish	Options
50 - 5,000 CCT 40 - 4,000 CCT 30 - 3,000 CCT	70CRI - 70 CRI	(Blank) - None Wireless Controls System ALSC - AirLink Synapse Control System ALSCS2 - AirLink Synapse Control System with 12-20' MH Motion Sensor ALSCS4 - AirLink Synapse Control System with 20-40' MH Motion Sensor ALBCS1 - AirLink Blue Wireless Motion & Photo Sensor Controller (8-24' MH) ALBCS2 - AirLink Blue Wireless Motion & Photo Sensor Controller (25-40' MH) Stand-Alone Controls EXT - 0-10v Dimming leads extended to housing exterior CR7P - 7 Pin Control Receptacle ANSI C136.41³ IMSBT1 - Integral Bluetooth™ Motion and Photocell Sensor (8-24' MH)⁴ IMSBT2 - Integral Bluetooth™ Motion and Photocell Sensor (25-40' MH)⁴				BLK - Black BRZ - Dark Bronze GMP - Gun Metal Gray GPT - Graphite MSV - Metallic Silver PLP - Platinum Plus SVG - Satin Verde Green WHT - White	(Blank) - None IH - Integral Half Louver (Moderate Spill Light Cutoff²) IL - Integral Louver (Sharp Spill Light Cutoff)²

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Twist Lock Photocell (208-277) for use with CR7P	122515	Single Fusing (277V)		Mirada Medium	
Twist Lock Photocell (347V) for use with CR7P	122516	Double Fusing (208V, 240V)		Mirada Large	
Twist Lock Photocell (480V) for use with CR7P	1225180	Double Fusing (480V)		Zone Medium	
AirLink 5 Pin Twist Lock Controller	661409	Double Fusing (347V)		Zone Large	
AirLink 7 Pin Twist Lock Controller	661410			Slice Medium	
Shorting Cap for use with CR7P	149328				

1. Custom lumen and wattage packages available, consult factory. Values are within industry standard tolerances but not DLC listed.
 2. Not available on "Type 5W" distribution.
 3. Control device or shorting cap must be ordered separately. See Accessory Ordering Information.
 4. IMSBT is field configurable via the LSI app that can be downloaded from your smartphone's native app store.
 5. Accessories are shipped separately and field installed.
 6. "CLR" denotes finish. See Finish options.
 7. Fusing must be located in hand hole of pole. See [Fusing Accessory Guide](#) for compatibility.

Mirada Small Area Light (MRS)

 Have questions? Call us at (800) 436-7800

Type: _____

PERFORMANCE

[Back to Quick Links](#)

DELIVERED LUMENS*												
Lumen Package	Distribution	CRI	3000K CCT			4000K CCT			5000K CCT			Wattage
			Delivered Lumens	Efficacy	BUG Rating	Delivered Lumens	Efficacy	BUG Rating	Delivered Lumens	Efficacy	BUG Rating	
6L	2	70	5918	149	B2-U0-G1	6136	155	B2-U0-G1	6122	155	B2-U0-G1	39
	3		6016	152	B1-U0-G2	6238	158	B1-U0-G2	6224	157	B1-U0-G2	
	5W		5690	144	B3-U0-G1	5899	149	B3-U0-G1	5886	149	B3-U0-G1	
	FT		5822	147	B1-U0-G1	6037	152	B1-U0-G1	6023	152	B1-U0-G1	
9L	2	70	9091	145	B2-U0-G2	9484	152	B2-U0-G2	9462	151	B2-U0-G2	63
	3		9241	148	B2-U0-G2	9641	154	B2-U0-G2	9619	154	B2-U0-G2	
	5W		8740	140	B3-U0-G2	9118	146	B3-U0-G2	9097	144	B3-U0-G2	
	FT		8943	143	B2-U0-G2	9330	149	B2-U0-G2	9308	149	B2-U0-G2	
12L	2	70	12132	141	B3-U0-G2	12685	148	B3-U0-G2	12514	146	B3-U0-G2	86
	3		12333	143	B2-U0-G2	12894	150	B2-U0-G2	12721	148	B2-U0-G2	
	5W		11664	136	B4-U0-G2	12195	142	B4-U0-G2	12031	140	B4-U0-G2	
	FT		11935	139	B2-U0-G2	12479	145	B2-U0-G2	12311	143	B2-U0-G2	
15L	2	70	14220	128	B3-U0-G2	15167	137	B3-U0-G2	14488	131	B3-U0-G2	111
	3		14938	135	B2-U0-G2	15933	144	B2-U0-G2	15219	137	B2-U0-G2	
	5W		14304	129	B4-U0-G2	15257	137	B4-U0-G2	14574	131	B4-U0-G2	
	FT		14342	129	B2-U0-G2	15297	138	B2-U0-G2	14612	132	B2-U0-G2	
18L	2	70	16438	122	B3-U0-G3	17532	130	B3-U0-G3	16747	124	B3-U0-G3	135
	3		17267	128	B3-U0-G3	18417	137	B3-U0-G3	17592	131	B3-U0-G3	
	5W		16535	123	B4-U0-G2	17636	133	B5-U0-G3	16846	125	B4-U0-G2	
	FT		16578	123	B3-U0-G3	17682	131	B3-U0-G3	16890	125	B3-U0-G3	
21L	2	70	19488	118	B3-U0-G3	20786	126	B3-U0-G3	19885	120	B3-U0-G3	165
	3		20472	124	B3-U0-G3	21835	132	B3-U0-G3	20857	126	B3-U0-G3	
	5W		19604	119	B5-U0-G3	20,909	126	B5-U0-G3	19973	121	B5-U0-G3	
	FT		19655	119	B3-U0-G3	20964	127	B3-U0-G3	20025	121	B3-U0-G3	
24L	2	70	21976	112	B3-U0-G3	23439	120	B3-U0-G3	22390	114	B3-U0-G3	196
	3		23085	118	B3-U0-G3	24622	126	B3-U0-G3	23519	120	B3-U0-G3	
	5W		22105	113	B5-U0-G3	23578	120	B5-U0-G3	22522	115	B5-U0-G3	
	FT		22164	113	B3-U0-G3	23640	121	B3-U0-G3	22581	115	B3-U0-G3	

*LEDs are frequently updated therefore values are nominal.

ELECTRICAL DATA (AMPS)*						
Lumens	120V	208V	240V	277V	347V	480V
6L	0.34	0.20	0.17	0.15	0.12	0.09
9L	0.52	0.30	0.26	0.23	0.18	0.13
12L	0.72	0.41	0.36	0.31	0.25	0.18
15L	0.93	0.53	0.46	0.40	0.32	0.23
18L	1.12	0.65	0.56	0.49	0.39	0.28
21L	1.38	0.80	0.69	0.60	0.48	0.34
24L	1.63	0.94	0.82	0.71	0.56	0.41

*Electrical data at 25°C (77°F). Actual wattage may differ by +/-10%

RECOMMENDED LUMEN MAINTENANCE ¹					
Ambient Temp	Lumen Multiplier				
	0 hrs. ²	25K hrs. ²	50K hrs. ²	75K hrs. ³	100K hrs. ³
C	100%	95%	89%	84%	79%
0 C - 25 C	100%	95%	89%	84%	79%
40 C	100%	94%	87%	80%	74%

- Lumen maintenance values at 25°C are calculated per TM-21 based on LM-80 data and in-situ luminaire testing.
- In accordance with IESNA TM-21-11, Projected Values represent interpolated value based on time durations that are within six times (6X) the IESNA LM-80-08 total test duration (in hours) for the device under testing ((DUT) i.e. the packaged LED chip).
- In accordance with IESNA TM-21-11, Calculated Values represent time durations that exceed six times NA LM-80-08 total test duration (in hours) for the device under testing ((DUT) i.e. the packaged LED chip).

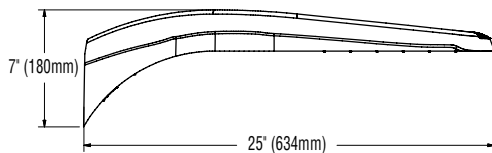
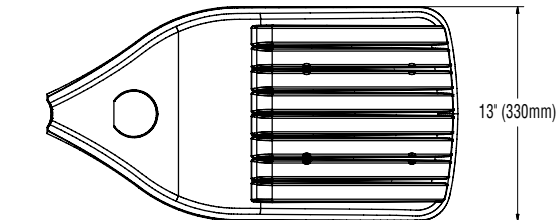
Mirada Small Area Light (MRS)







 **Have questions?** Call us at (800) 436-7800

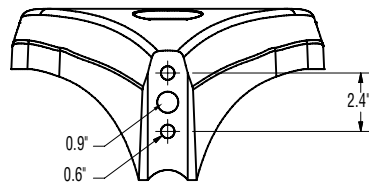
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PRODUCT DIMENSIONS

[Back to Quick Links](#)



LUMINAIRE EPA CHART - MRS									
Tilt Degree		0°	30°	45°	Tilt Degree		0°	30°	45°
	Single	0.5	1.3	1.8		T90°	1.4	2.3	2.6
	D180°	0.9	1.3	1.8		TN120°	1.4	1.9	2.3
	D90°	0.9	1.8	2.2		Q90°	1.4	2.3	2.6



B3 Drill Pattern

CONTROLS

AirLink Wireless Lighting Controller

The AirLink integrated controller is a California Title 24 compliant lighting controller that provides real-time light monitoring and control with utility-grade power monitoring. It includes a 24V sensor input and power supply to connect a sensor into the outdoor AirLink wireless lighting system. The wireless integrated controller is compatible with this fixture.

[Click here to learn more about AirLink.](#)

Integral Bluetooth™ Motion and Photocell Sensor (IMSBT)

Slim low profile sensor provides multi-level control based on motion and/or daylight. Sensor controls 0-10 VDC LED drivers and is rated for cold and wet locations (-30° C to 70° C). Two unique PIR lenses are available and used based on fixture mounting height. All control parameters are adjustable via an iOS or Android App capable of storing and transmitting sensor profiles.

[Click here to learn more about IMSBT.](#)

AirLink Blue

Wireless Bluetooth Mesh Outdoor Lighting Control System that provides energy savings, code compliance and enhanced safety/security for parking lots and parking garages. Three key components; Bluetooth wireless radio/sensor controller, Time Keeper and an iOS App. Capable of grouping multiple fixtures and sensors as well as scheduling time-based events by zone. Radio/Sensor Controller is factory integrated into Area/Site, Wall Mounted, Parking Garage and Canopy luminaires.

[Click here to learn more about AirLink Blue.](#)





Date: Jun 12, 2023

Job Name: ORIANO'S 1 EAST MCNAB

BKA-ASF-XX

TYPE: SA

Bid Date: Jun 12, 2023

Submittal Date: Jun 12, 2023

DRC

PZ23-12000020

08/02/2023

Job Name:

ORIANO'S 1 EAST MCNAB
Engineer: KAMM CONSULTING
(DEERFIELD BEACH)

Catalog Number:

BKA-ASF-XX

Notes:

Type:**SA**

GENLIGHT23-51835



Catalog #: _____ Project: _____ Type: _____

Prepared By: _____ Date: _____

BKA-ASF (Adjustable Slip Fitter)

Area Light Bracket

**OVERVIEW**

EPA	0.2
Size (LxWxH)	3.5x3.9x8.9
Weight lbs	5

**FEATURES & SPECIFICATIONS**

- Designed to mount LSI luminaires onto a 2" (51mm) IP, 2.375" (60mm) O.D. tenon.
- Can be rotated 180° allowing for tilting LSI luminaires up to 45 degrees for higher vertical illumination and 90° when using a vertical tenon
- Separate wireways for both line voltage and dimming wires
- Rugged 3pc Die Cast Aluminum construction, silicone pole gasket, fixture mounting studs, stainless steel visible hardware, and self-drilling screw for extra security
- 3G rated for ANSI C136.31 high vibration applications in both Vertical and Horizontal mountings
- Bracket finished with LSI's DuraGrip® polyester powder coat finishing process. The DuraGrip finish withstands extreme weather changes without cracking or peel-

COMPATIBLE FIXTURES

MRL/ZNL

MRM/ZNM

SLM

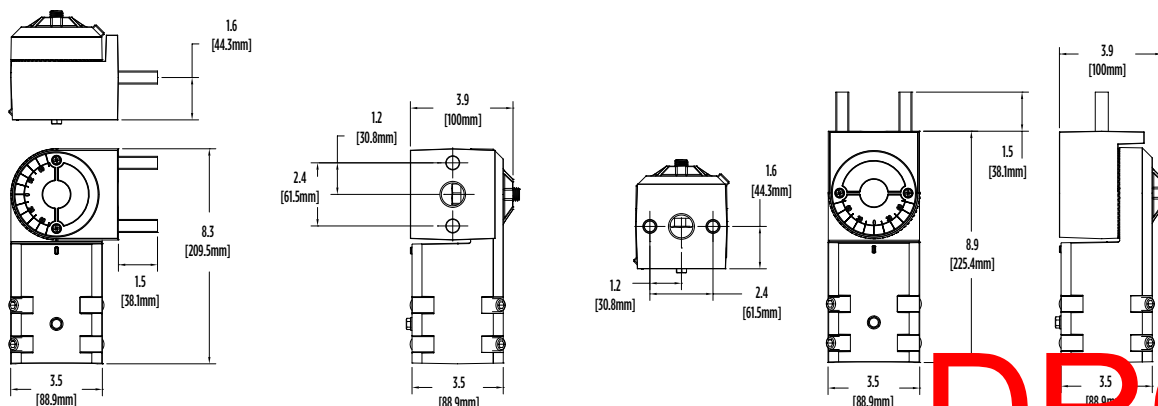
TYPICAL ORDER EXAMPLE: BKA ASF BLK

Prefix	Finish	MUST SPECIFY
BKA ASF - Adjustable Slip Fitter	BRZ - Bronze BLK - Black MSV - Metallic Silver GPT - Graphite WHT - White SVG - Satin Verde Green PLP - Platinum Plus	



Need more information?
[Click here for our glossary](#)

Have additional questions?
Call us at (800) 436-7800

**PRODUCT DIMENSIONS**

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SPEC 1121.A.0323

PZ23-12000020

08/02/2023 Index Page



Date: Jun 12, 2023

Job Name: ORIANO'S 1 EAST MCNAB

XWM-3-LED-06L-40-XX-XX

TYPE: WA

Bid Date: Jun 12, 2023

Submittal Date: Jun 12, 2023

DRC

PZ23-12000020

08/02/2023



Catalog #: _____ Project: _____

Prepared By: _____ Date: _____ Type: _____

Mirada Medium Wall Sconce (XWM)

Outdoor Wall Sconce



IK08



OVERVIEW	
Lumen Range	3,000 - 21,000
Wattage Range	23 - 175
Efficacy Range (LPW)	125 - 158
Weight lbs(kg)	30 (13.6)

QUICK LINKS

Ordering Guide

Performance

Photometrics

Dimensions

FEATURES & SPECIFICATIONS

Construction

- Rugged die-cast aluminum housing contains factory prewired driver and optical unit. Hinged die-cast aluminum wiring access door located underneath.
- Galvanized-steel universal wall mount bracket comes standard with hinging mechanism to easily access the junction box wire connections without removing the luminaire.
- Optional pole-mounting bracket (XPMa) permits mounting to standard poles.
- Fixtures are finished with LSI's DuraGrip® polyester powder coat finishing process. The DuraGrip finish withstands extreme weather changes without cracking or peeling. Other standard LSI finishes available. Consult factory.
- Shipping weight: 30 lbs in carton.

Optical System

- State-of-the-Art one piece silicone optic sheet delivers industry leading optical control with an integrated gasket to provide IP65 rated sealed optical chamber in 1 component.
- Proprietary silicone refractor optics provide exceptional coverage and uniformity in Types 2, 3, and Forward Throw (FT) distributions.
- Silicone optical material does not yellow or crack with age and provides a typical light transmittance of 93%.
- Zero uplight.
- Available in 5000K, 4000K and 3000K color temperatures per ANSI C78.377. Also Available in Phosphor Converted Amber with Peak intensity at 610nm.
- Minimum CRI of 70.

Electrical

- High-performance programmable driver features over-voltage, under-voltage, short-

circuit and over temperature protection. Custom lumen and wattage packages available.

- 0-10V dimming (10% - 100%) standard.
- Standard Universal Voltage (120-277 Vac) Input 50/60 Hz or optional High Voltage (347-480 Vac).
- L80 Calculated Life: >100k Hours
- Total harmonic distortion: <20%
- 3L to 12L operating temperature: -40°C to +50°C (-40°F to +122°F)
- 15L operating temperature: -40°C to +45°C (-40°F to +113°F).
- 18L operating temperature: -40°C to +40°C (-40°F to +104°F).
- 21L operating temperature: -40°C to +35°C (-40°F to + 95°F).
- Power factor: >.90
- Input power stays constant over life.
- Optional 10kV surge protection device meets a minimum Category C Low operation (per ANSI/IEEE C62.41.2).
- High-efficacy LEDs mounted to metal-core circuit board to maximize heat dissipation
- Components are fully encased in potting material for moisture resistance. Driver complies with FCC standards. Driver and key electronic components can easily be accessed via hinged door.
- Optional integral emergency battery pack provides 90-minutes of constant power to the LED system, ensuring code compliance. A test switch/indicator button is installed on the housing for ease of maintenance. The fixture delivers 1500 lumens during emergency mode.

Controls

- Integral passive infrared Bluetooth™ motion and photocell sensor options. Fixtures operate independently and can be commissioned via an iOS or Android configuration app. Updates and modifications to the control strategy are

easily implemented via an intuitive app.

- LSI's AirLink™ Blue lighting control system is a simple feature rich wireless Bluetooth mesh network. The integrated fixture sensor module provides wireless control of grouped fixtures based on motion sensors, daylight or a fully customizable schedule.

Installation

- Universal wall mounting plate easily mounts directly to 4" octagonal or square junction box.
- 2 fasteners secure the hinged door underneath the housing and provide quick & easy access to the electrical compartment for installing/servicing.
- Optional terminal block accepts up to 12 ga wire.

Warranty

- LSI LED Fixtures carry a 5-year warranty.
- 1 Year warranty on Battery Back-up option.

Listings

- Listed to UL 1598 and UL 8750.
- Meets Buy American Act requirements.
- IDA compliant; with 3000K or lower color temperature selection.
- Title 24 Compliant; see local ordinance for qualification information.
- Suitable for wet Locations.
- IP65 rated luminaire per IEC 60598.
- 3G rated for ANSI C136.31 high vibration applications when pole mounted (using optional XPMa bracket) or wall mounted.
- IK08 rated luminaire per IEC 66262 mechanical impact code
- DesignLights Consortium® (DLC) qualified product. Not all versions of this product may be DLC qualified. Please check the DLC Qualified Products List at www.designlights.org/QPL to confirm which version are qualified.



Submitted by Genesis Lighting	Job Name: ORIANO'S 1 EAST MCNAB Engineer: KAMM CONSULTING (DEERFIELD BEACH)	Catalog Number: XWM-3-LED-06L-40-XX-XX Notes:	Type: WA GENLIGHT23-51835
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Type: _____

Mirada Wall Sconce (XWM)

ORDERING GUIDE

[Back to Quick Links](#)

TYPICAL ORDER EXAMPLE:	XWM 2 LED 03L 30 UE BRZ ALSC
------------------------	-------------------------------------

Family	Distribution	LED Technology	Lumen Package	Color Temperature	Voltage
XWM - Mirada Medium Wall Sconce	2 - Type 2 3 - Type 3 FT - Type 4 Forward Throw	LED	3L - 3,000 lms 4L - 4,000 lms 6L - 6,000 lms 8L - 8,000 lms 12L - 12,000 lms 15L - 15,000 lms 18L - 18,000 lms 21L - 21,000 lms Custom Lumen Packages ⁶	30 - 3000K 40 - 4000K 50 - 5000K AMB - Phosphor Converted Amber ¹	UE - Universal Voltage (120-277V) HV - High Voltage (347-480V) MUST SPECIFY

Finish	Controls (Choose One)	Options
BLK - Black BRZ - Dark Bronze GMG - Gun Metal Gray GPT - Graphite MSV - Metallic Silver PLP - Platinum Plus SVG - Satin Verde Green WHT - White MUST SPECIFY	Wireless Controls ALSC - AirLink Synapse Control System ALSC001 - AirLink Synapse Control System with 8-12' Motion Sensor ALSC002 - AirLink Synapse Control System with 12-20' Motion Sensor ALBCS1 - AirLink Blue Wireless Motion & Photo Sensor Controller (8-24' mounting height) ALBCS2 - AirLink Blue Wireless Motion & Photo Sensor Controller (25-40' mounting height) Standalone Controls DIM - 0-10v Dimming leads extended to housing exterior IMSBT1 - Integral Bluetooth™ Motion and Photocell Sensor max 8-24' mounting height ⁴ IMSBT2 - Integral Bluetooth Motion and Photocell Sensor max 25-40' mounting height ⁴ Button Type Photocells PC120 - 120V PC208-277 - 208 -277V PC347 - 347V	BB - Battery Back-up (0°C) ² CWBB - Cold Weather Battery Backup (-20°C) ² XPMA - Pole Mounting Bracket SPI - 10kV Surge Protection TB - Terminal Block

ACCESSORY ORDERING INFORMATION⁷

Description	Order Number	Description	Order Number
XWM Surface Wiring Box	356915CLR	FK347 - Single Fusing	FK347 ⁵
10' Linear Bird Spike Kit (2' Recommended per Luminaire)	751632	DFK - Double Fusing	DFK208 ⁵
FK120 - Single Fusing	FK120 ⁵	DFK - Double Fusing (240V)	DFK240 ⁵
FK277 - Single Fusing	FK277 ⁵	DFK - Double Fusing (480V)	DFK480 ⁵

- Only available in 6L Lumen Package. Consult factory for lead time and availability.
- Not available in HV.
- Consult Factory for Site Layout.
- IMSBT is field configurable via the LSI app that can be downloaded from your smartphone's native app store.
- Fusing must be located in a hand hole for pole or in the junction box.
- Custom lumen and wattage packages available consult factory. Values are within industry standard tolerances but not DLC listed.
- Accessories are shipped separately and field installed.



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 SPEC 1024.A.0420

PZ23-12000020

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Submitted by Genesis Lighting	Job Name: ORIANO'S 1 EAST MCNAB Engineer: KAMM CONSULTING (DEERFIELD BEACH)	Catalog Number: XWM-3-LED-06L-40-XX-XX Notes:	Type: WA GENLIGHT23-51835
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Type: _____

Mirada Wall Sconce (XWM)

PERFORMANCE

[Back to Quick Links](#)

DELIVERED LUMENS*												
Lumen Package	Distribution	CRI	3000K			4000K			5000K			Wattage
			Delivered Lumens	Efficacy	BUG Rating	Delivered Lumens	Efficacy	BUG Rating	Delivered Lumens	Efficacy	BUG Rating	
03L	2	70	3178	138	B1-U0-G1	3368	146	B1-U0-G1	3313	143	B1-U0-G1	23
	3	70	3224	140	B1-U0-G1	3416	148	B1-U0-G1	3361	145	B1-U0-G1	
	FT	70	3160	137	B1-U0-G1	3349	145	B1-U0-G1	3294	143	B1-U0-G1	
04L	2	70	4230	139	B1-U0-G1	4483	147	B1-U0-G1	4410	145	B1-U0-G1	30
	3	70	4291	141	B1-U0-G1	4547	150	B1-U0-G1	4473	147	B1-U0-G1	
	FT	70	4206	138	B1-U0-G1	4458	147	B1-U0-G1	4385	144	B1-U0-G1	
06L	2	70	6326	134	B2-U0-G1	6704	142	B2-U0-G2	6595	140	B2-U0-G2	47
	3	70	6417	136	B1-U0-G2	6800	144	B1-U0-G2	6689	142	B1-U0-G2	
	FT	70	6290	134	B2-U0-G2	6666	142	B2-U0-G2	6557	139	B2-U0-G2	
08L	2	70	8166	128	B2-U0-G2	8654	135	B2-U0-G2	8513	133	B2-U0-G2	64
	3	70	8283	129	B2-U0-G2	8778	137	B2-U0-G2	8635	134	B2-U0-G2	
	FT	70	8120	126	B2-U0-G2	8605	134	B2-U0-G2	8465	132	B2-U0-G2	
12L	2	70	11902	146	B3-U0-G2	12358	151	B3-U0-G2	12927	158	B3-U0-G2	82
	3	70	11834	145	B2-U0-G2	12287	150	B2-U0-G2	12853	157	B2-U0-G2	
	FT	70	11737	143	B2-U0-G2	12186	149	B2-U0-G2	12747	156	B2-U0-G2	
15L	2	70	14662	140	B3-U0-G3	15223	145	B3-U0-G3	15924	152	B3-U0-G3	105
	3	70	14603	139	B2-U0-G2	15162	145	B2-U0-G3	15860	151	B2-U0-G3	
	FT	70	14502	139	B2-U0-G3	15057	144	B2-U0-G3	15750	150	B2-U0-G3	
18L	2	70	17403	134	B3-U0-G3	18069	139	B3-U0-G3	18901	145	B3-U0-G3	130
	3	70	17438	134	B3-U0-G3	18106	139	B3-U0-G3	18940	146	B3-U0-G3	
	FT	70	17259	133	B3-U0-G3	17920	138	B3-U0-G3	18745	144	B3-U0-G3	
21L	2	70	20380	127	B3-U0-G3	21160	132	B3-U0-G3	22134	138	B4-U0-G3	161
	3	70	20375	125	B3-U0-G3	21155	131	B3-U0-G3	22129	131	B3-U0-G3	
	FT	70	20215	126	B3-U0-G3	20989	130	B3-U0-G3	21955	136	B3-U0-G3	

*LEDs are frequently updated therefore values are nominal.

ELECTRICAL DATA*							
Lumen Package	120V	208V	240V	277V	347V	480V	
03L	0.19	0.11	0.10	0.08	0.07	0.05	
04L	0.25	0.15	0.13	0.11	0.09	0.06	
06L	0.39	0.23	0.20	0.17	0.14	0.10	
08L	0.54	0.31	0.27	0.23	0.19	0.13	
12L	0.68	0.39	0.34	0.30	0.24	0.17	
15L	0.87	0.50	0.44	0.38	0.30	0.22	
18L	1.08	0.63	0.54	0.47	0.37	0.27	
21L	1.34	0.77	0.67	0.58	0.46	0.34	

*Electrical data at 25C (77F). Actual wattage may differ by +/-10%.

RECOMMENDED LUMEN MAINTENANCE (3L-8L) ¹						
Ambient Temperature C	Initial ²	25K hrs. ²	50K hrs. ³	75K hrs. ³	100K hrs. ³	
0 C - 50 C	100%	98%	95%	93%	90%	

DELIVERED LUMENS*					
Lumen Package	Distribution	Amber			Wattage
		Delivered Lumens	Efficacy	BUG Rating	
6L	2	3325	76	B1-U0-G1	43.5
	3	3385	78	B1-U0-G1	
	FT	3343	77	B1-U0-G1	

RECOMMENDED LUMEN MAINTENANCE (12L-21L) ¹						
Ambient Temperature C	Initial ²	25K hrs. ²	50K hrs. ³	75K hrs. ³	100K hrs. ³	
0 - 35 C	99%	97%	95%	93%	91%	

1 - Lumen maintenance values at 25C are calculated per TM-21 based on LM-80 data and in-situ testing.

2 - In accordance with IESNA TM-21-11, Projected Values represent interpolated value based on time durations that are within six times the IESNA LM-80-08 total test duration for the device under testing.

3 - Lumen maintenance values at 25C are calculated per TM-21 based on LM-80 data and in-situ testing times the IESNA LM-80-08 total test duration for the device under testing

Submitted by Genesis Lighting	Job Name: ORIANO'S 1 EAST MCNAB Engineer: KAMM CONSULTING (DEERFIELD BEACH)	Catalog Number: XWM-3-LED-06L-40-XX-XX Notes:	Type: WA GENLIGHT23-51835
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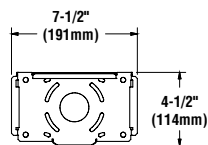
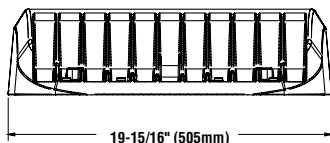
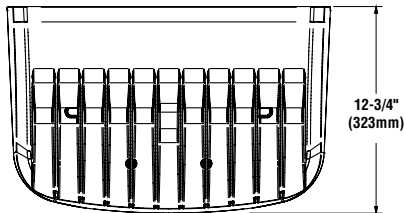


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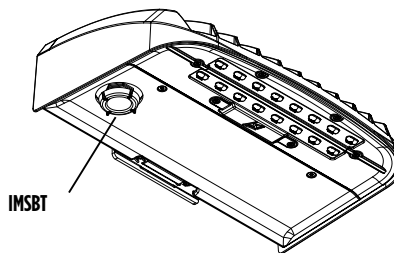
Mirada Wall Sconce (XWM)

PRODUCT DIMENSIONS

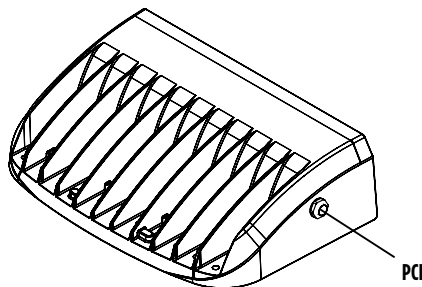
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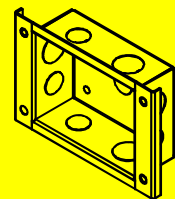
Luminaire Shown with IMSBT



Luminaire Shown with PCI



Surface Wiring Box



Wet location rated surface wiring box features 1/2" and 3/4" knockouts for surface conduit

CONTROLS

AirLink Wireless Lighting Controller

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[Click here to learn more about AirLink Blue.](#)



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