

EXIST. BLDG. 14

EXIST. BLDG. 2

PROPOSED BRIDGE

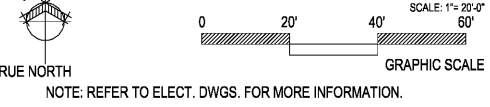
PROPOSED STEM BLDG. #20
13,171 G.S.F.
6778 SF 1ST FLR.
6393 SF 2ND FLR.

EXIST. BLDG. 15

EXIST. BLDG. 13

EXIST. BLDG. 16

PARTIAL SITE PLAN-LIGHTING PLAN



H1 **wet BEAM4 LED** RECESSED MOUNT & SURFACE MOUNTED

Project: _____
Type: _____
Notes: _____

PERFORMANCE FOR LINDAS POOR AT 3000K

Beam Angle	Beam Diameter @ 100'	Beam Diameter @ 200'	Beam Diameter @ 300'
2°	1.5 ft	3.0 ft	4.5 ft
3°	2.0 ft	4.0 ft	6.0 ft
4°	2.5 ft	5.0 ft	7.5 ft
5°	3.0 ft	6.0 ft	9.0 ft
6°	3.5 ft	7.0 ft	10.5 ft
7°	4.0 ft	8.0 ft	12.0 ft
8°	4.5 ft	9.0 ft	13.5 ft
9°	5.0 ft	10.0 ft	15.0 ft
10°	5.5 ft	11.0 ft	16.5 ft
12°	6.5 ft	13.0 ft	19.5 ft
15°	8.0 ft	16.0 ft	24.0 ft
20°	11.0 ft	22.0 ft	33.0 ft
25°	14.0 ft	28.0 ft	42.0 ft
30°	17.0 ft	34.0 ft	51.0 ft
35°	20.0 ft	40.0 ft	60.0 ft
40°	23.0 ft	46.0 ft	69.0 ft
45°	26.0 ft	52.0 ft	78.0 ft
50°	29.0 ft	58.0 ft	87.0 ft
55°	32.0 ft	64.0 ft	96.0 ft
60°	35.0 ft	70.0 ft	105.0 ft
65°	38.0 ft	76.0 ft	114.0 ft
70°	41.0 ft	82.0 ft	123.0 ft
75°	44.0 ft	88.0 ft	132.0 ft
80°	47.0 ft	94.0 ft	141.0 ft
85°	50.0 ft	100.0 ft	150.0 ft
90°	53.0 ft	106.0 ft	159.0 ft

Ordering Guide:

Product No.	Color Temp.	Beam Angle	Mounting	Accessories
W100-01	3000K	5°	Recessed	None
W100-02	3000K	5°	Surface	None
W100-03	3000K	5°	Recessed	W100-01
W100-04	3000K	5°	Surface	W100-02
W100-05	3000K	5°	Recessed	W100-01, W100-03
W100-06	3000K	5°	Surface	W100-02, W100-04

Options:

- W100-01: 1000 lumens
- W100-02: 2000 lumens
- W100-03: 3000 lumens
- W100-04: 4000 lumens
- W100-05: 5000 lumens
- W100-06: 6000 lumens

Other Options:

- W100-07: 7000 lumens
- W100-08: 8000 lumens
- W100-09: 9000 lumens
- W100-10: 10000 lumens

Axis Lighting
www.axislighting.com

H1 LIGHT FIXTURE SCALE: N.T.S.

SA1 POLE

Composite Light Poles
South Florida Series 180 MPH

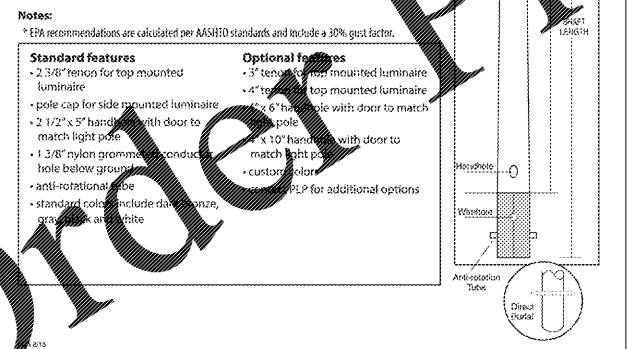
SFL-D320-1-5-BLK-H2

South Florida 300 Series Direct Bury Fiberglass Light Poles Top/Side Mount

Model No.	Nominal Mtg Height	Burial Depth	Shaft Length	Tip O.D. (in.)	Nominal Ground Level O.D. (in.)	Maximum Allowable Weight (lbs)	Maximum TPA 150 MPH
SFL-0320	20	5	75	4.5	6.5	75	3
SFL-0325	25	6	31	4.5	6.7	75	3
SFL-0330	30	6	36	5.4	8.6	125	3

South Florida 500 Series Direct Bury Fiberglass Light Poles Top/Side Mount

Model No.	Nominal Mtg Height	Burial Depth	Shaft Length	Tip O.D. (in.)	Nominal Ground Level O.D. (in.)	Maximum Allowable Weight (lbs)	Maximum TPA 150 MPH
SFL-0520	20	5	25	5.4	8.4	75	5
SFL-0525	25	6	31	5.4	8.5	75	5
SFL-0530	30	6	36	5.4	8.6	125	5



SA1 POLE Model Number Order Code System

Series	Model No.	Series	Model No.
SFL-0320	1	5	BLK
SFL-0325	1	5	BLK
SFL-0330	1	5	BLK
SFL-0520	1	5	BLK
SFL-0525	1	5	BLK
SFL-0530	1	5	BLK

PLP Composite Technologies, Inc.
57 Creamery Road • PO Box 428 • Fitzwilliam, NH 03447 • Tel: 603-585-9100 • Fax: 603-585-3470 • www.plpcomp.com

SA1 ORDERING INFORMATION

Product Family	Model No.	Series	Color	Mounting	Accessories	Notes
MSA-MESA	MSA-1-LED-E-BK	MSA-1	Black	Recessed	None	Standard
MSA-MESA	MSA-1-LED-E-WH	MSA-1	White	Recessed	None	Standard
MSA-MESA	MSA-1-LED-E-BK	MSA-1	Black	Surface	None	Standard
MSA-MESA	MSA-1-LED-E-WH	MSA-1	White	Surface	None	Standard

Dimensions: 2.5" Depth, 3" Height, 4.5" Dia. (at top), 5.4" Dia. (at base)

Mounting Accessories: W100-01, W100-02, W100-03, W100-04, W100-05, W100-06

Identification Data: MSA-1-LED-E-BK, 1000 lumens, 5° beam angle, 3000K, 20' height, 1" diameter, 5" diameter, Black finish, H2 mounting.

Energy Data: 1000 lumens, 5° beam angle, 3000K, 20' height, 1" diameter, 5" diameter, Black finish, H2 mounting.

Warranty: 5-year warranty

SA1 LIGHT FIXTURE SCALE: N.T.S.

SA1 MESA LED LIGHT FIXTURE

DESCRIPTION: The geometric form of MESA LED luminaire allows it to adapt to either recessed or surface mounting applications. Available in single or twin pole mounting configurations with optional wall mounting capability, the MESA LED luminaire's mounting options allow for customized site design whether at the entryway or in the parking lot. Utilized for use in wet locations.

Specification Features:

- Construction:** Die-cast aluminum multi housing and spider mount base maintain a minimum 0.125 wall thickness. Integral aluminum heat sink provides superior thermal heat transfer to 40°C ambient temperatures. GASKET: Gasket provides a nominal 0.125 gasket. Door includes a self-sealing interior hinge. GASKET: Continuous gasket provided to seal housing door assembly and optimize LED integrated acrylic cover cap. Each individually sealed for IP68 rating. HARDWARE: Four lower bearing cap underneath hood provides access to luminaire inserts. Standard stainless steel four finger latch allows door to lock in the open position.
- Optics:** Choice of twelve patented, high efficiency Acrylic Optics™ technology measurements from hood-mounted acrylic. Optics are provided designed to direct the light output, maximizing efficiency and application lighting. Acrylic Optics technology provide consistent distributions with the
- Electrical:** LED drivers require the cast aluminum back housing for optimal heat sinking, maximum efficiency, and prolonged life. Standard drivers feature electronic universal voltage 120-277V (50/60Hz), 307V, 60Hz or 480V 60Hz operation, greater than 0.8 power factor, less than 10% harmonic distortion, and is suitable for operation in -40°C to 60°C ambient environment. All fixtures are shipped standard with 100V/170V electronic – auto differential – mode surge protection. LightBARs feature and IP68 enclosure rating and maintain greater than 80,000 hours maintenance at 80,000 hours per
- MSA-TM-21:** Occupancy sensor and dimming options available.
- Mounting:** Four assembly mounts over 2" O.D. base and is secured via three concealed stainless steel set screws. Design of fiber glass/epoxy assemblies standard to 2" round poles. Additional mounting accessories include a dual fixture post and mounting arm and wall mount arm.
- Finish:** Housing is finished in five-stage primer primer powder coat paint, 2.5 mil nominal thickness for superior protection against fade and wear. LightBAR™ cover plates are standard white and may be specified to match finish of luminaire housing. Standard colors include black, bronze, grey, white, dark platinum and graphite metallic, PVI, and custom color matches available. Consult Catalogue Architecture Colors brochure for a complete selection.
- Warranty:** Five-year warranty.

Dimensions: 2.5" Depth, 3" Height, 4.5" Dia. (at top), 5.4" Dia. (at base)

Mounting Accessories: W100-01, W100-02, W100-03, W100-04, W100-05, W100-06

Identification Data: MSA-1-LED-E-BK, 1000 lumens, 5° beam angle, 3000K, 20' height, 1" diameter, 5" diameter, Black finish, H2 mounting.

Energy Data: 1000 lumens, 5° beam angle, 3000K, 20' height, 1" diameter, 5" diameter, Black finish, H2 mounting.

Warranty: 5-year warranty

SA1 LIGHT FIXTURE SCALE: N.T.S.

HARVARD JOLLY ARCHITECTURE
3047 VISTA PARKWAY, SUITE 100 | WEST PALM BEACH, FL 33411 | www.harvardjolly.com | A-C00019

STEM BUILDING
THE BENJAMIN SCHOOL - LOWER/MIDDLE SCHOOL
11000 Ellison Wilson Road, North Palm Beach, FL 33408
CONSTRUCTION DOCUMENTS

Comm. No: 16117.00
Date: 10-23-17
Drawn: MS

No.	Date	Revisions	Note

RENÉ TERCILLA, REPP © 2017 HARVARD JOLLY, INC.
LIGHT PLAN AS1.3