

Date: 6/20/2025

Region: 4C

FAC ID: WV046

CSS No.: 2966381

Maximo WO No.: 17672

Asset #: NA

Priority: Urgent



Original Work Request:

The 9 parking lot lights are in danger of falling and damaging a vehicle or hurting a person need a contractor to remove and replace with a metal pole and lights. The current light poles are fiberglass and not able to withstand the weight of the lights and solar panel. This center has very high winds which have made the poles very dangerous.

Description of Repairs Needed:

Remove and dispose of (9) nine light poles and (12) twelve solar lights. Install (9) nine new 5" square 20' poles on existing light bases. (3) three of the new poles will have a 2 light bullhorn style bracket to accept 2 light fixtures. Install (12) twelve new LED solar lights onto new poles. (6) six poles will have a single light. (3) three will have 2 lights. **Lead time will be 6 weeks.

Labor:	Labor Hrs	Labor Rate	Total
Technician 1	24	\$ 90.00	\$ 2,160.00
Technician 2	24	\$ 90.00	\$ 2,160.00
Technician 3	24	\$ 90.00	\$ 2,160.00

Material List:	Quantity	Cost	Total
9 ILP POLE SSS 5 7 TN2 BRZ NO BOLTS with delivery	9	\$ 2,696.68	\$ 24,270.16
3 UTI152-536-2DB Adaptor	3	\$ 344.98	\$ 1,034.94
SOLRP-SAL-30W-50K-SF-Db-G2 LED LLC	12	\$ 2,087.97	\$ 25,055.64
Miscellaneous Materials (nuts, bolts, brackets, wire, & etc)	1	\$ 500.00	\$ 500.00
CDL Truck Driver to haul equipment back & forth from site	1	\$ 240.00	\$ 240.00

Equipment List:	Quantity	Cost	Total
Lift	1	\$ 2,500.00	\$ 2,500.00
			\$ -
			\$ -

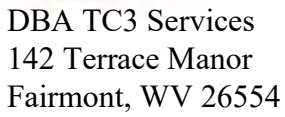
PM WO History:

NA

Estimate Summary:

Labor	Material	Equipment
\$ 6,480.00	\$ 51,100.74	\$2,500.00

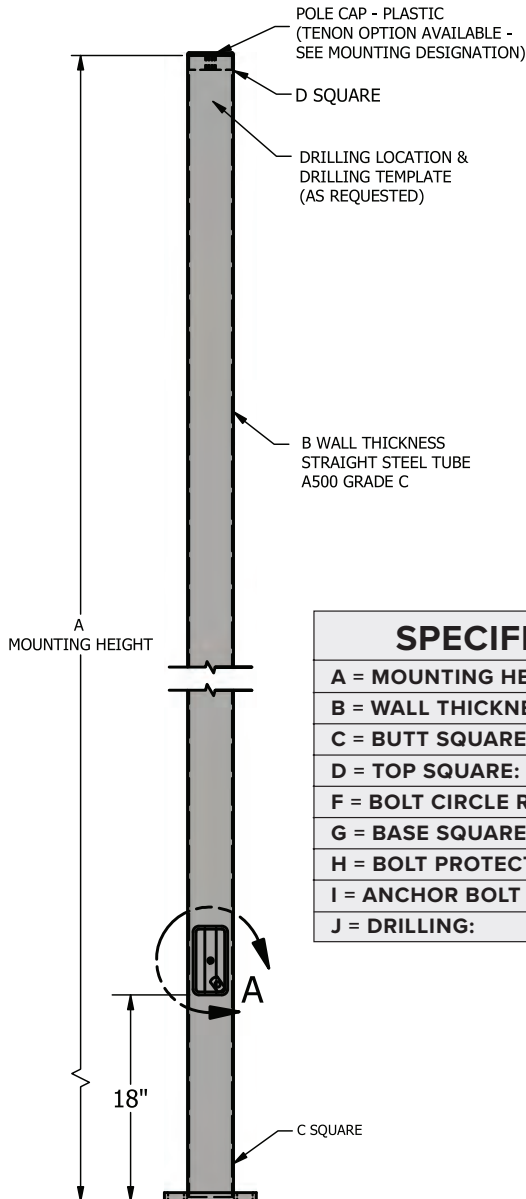
Sub Total	G&A 12%	Fee 6%	Total Estimate
\$60,080.74	\$7,209.69	\$3,604.84	\$70,895.28



Date	Estimate #
5/16/2025	1100

Description	Hours	Rate	Total
WV046 Parkersburg FEMS 02966381 WO 17672 Parking Lot Lights Remove and dispose of (9) nine light poles and (12) twelve solar lights. Install (9) nine new 5" square 20' poles on existing light bases. (3) three of the new poles will have a 2 light bullhorn style bracket to accept 2 light fixtures Install (12) twelve new LED solar lights onto new poles. (6) six poles will have a single light. (3) three will have 2 lights. Labor rate: \$90.00 an hour per electrician, 3 electricians per day for 3 days. Total hours: 72 Labor for CDL Truck driver to haul equipment back and forth from site: Materials: Light poles: 9 ILP POLE SSS 5 7 TN2 BRZ NO BOLTS with delivery (\$2,348.13 x 15% mark up) Bullhorns: 3 UTI152-536-2DB Adaptor (12) twelve SOLRP-SAL-30W-50K-SF-Db-G2 LED LLC (\$1,888.24 x 15% mark up) Misc. Materials (nuts, bolts, brackets, wire and etc) Equipment	72 <		

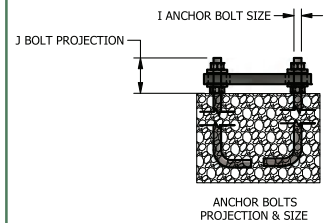
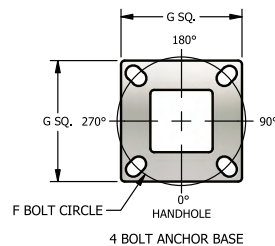
JOB NAME			PART NO.	
DESCRIPTION:			DRAWING NO.	
DRAWN BY:			APPROVED:	ECN:
			SCALE:	DATE:



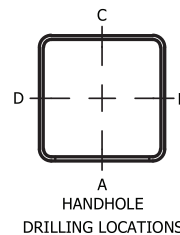
SPECIFICATIONS

A = MOUNTING HEIGHT:
B = WALL THICKNESS: 11 GA.
C = BUTT SQUARE: 5"
D = TOP SQUARE: 5"
F = BOLT CIRCLE RANGE: 10" - 12"
G = BASE SQUARE: 11"
H = BOLT PROTECTION: 4" X 1/4"
I = ANCHOR BOLT SIZE: 1" X 36" X 3"
J = DRILLING:

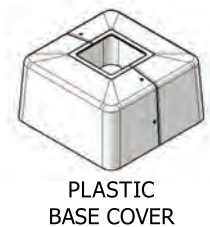
ANCHORAGE



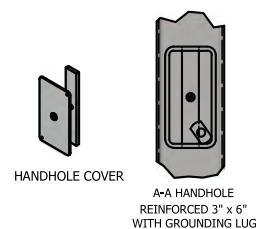
FIXTURE



BASE



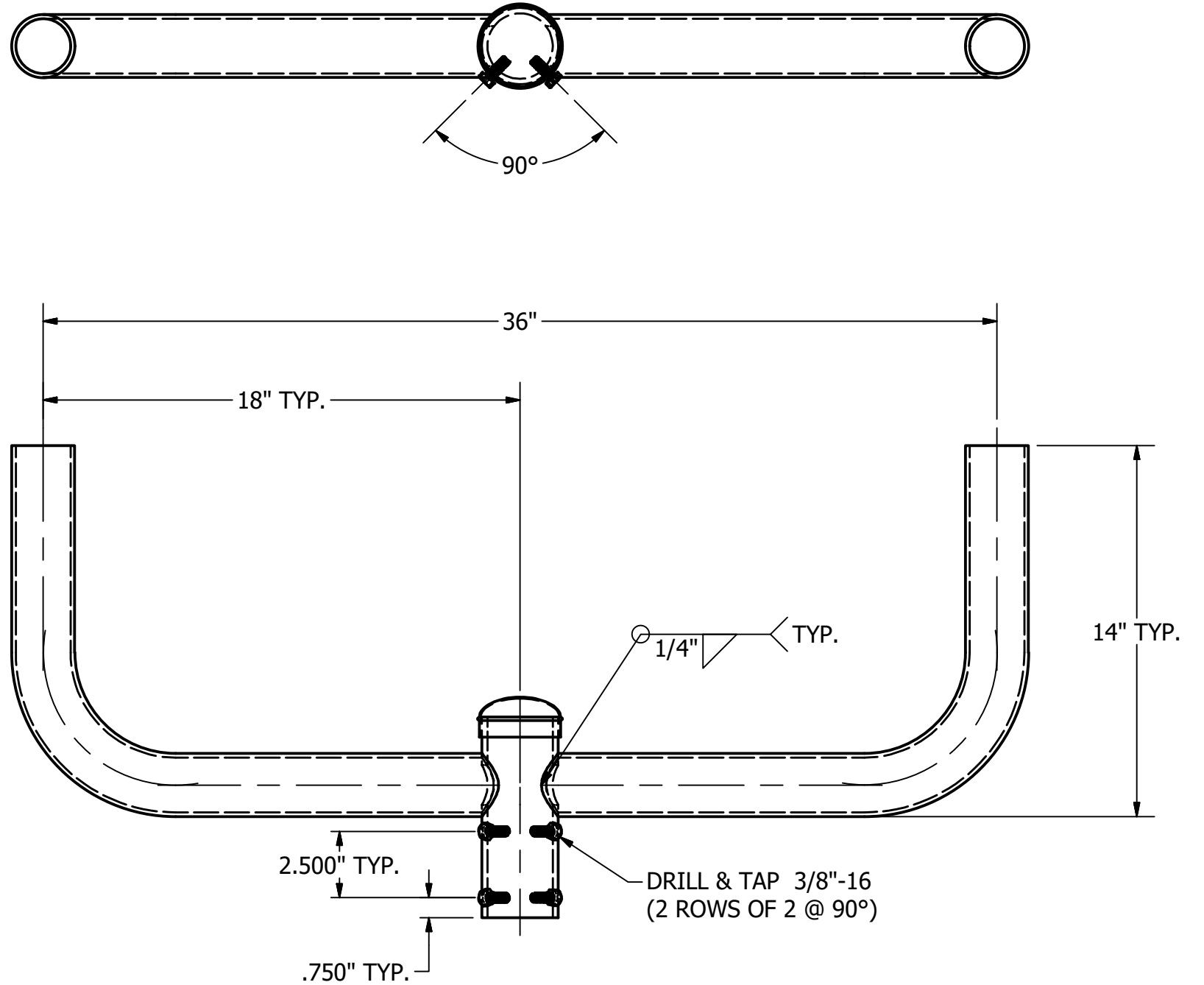
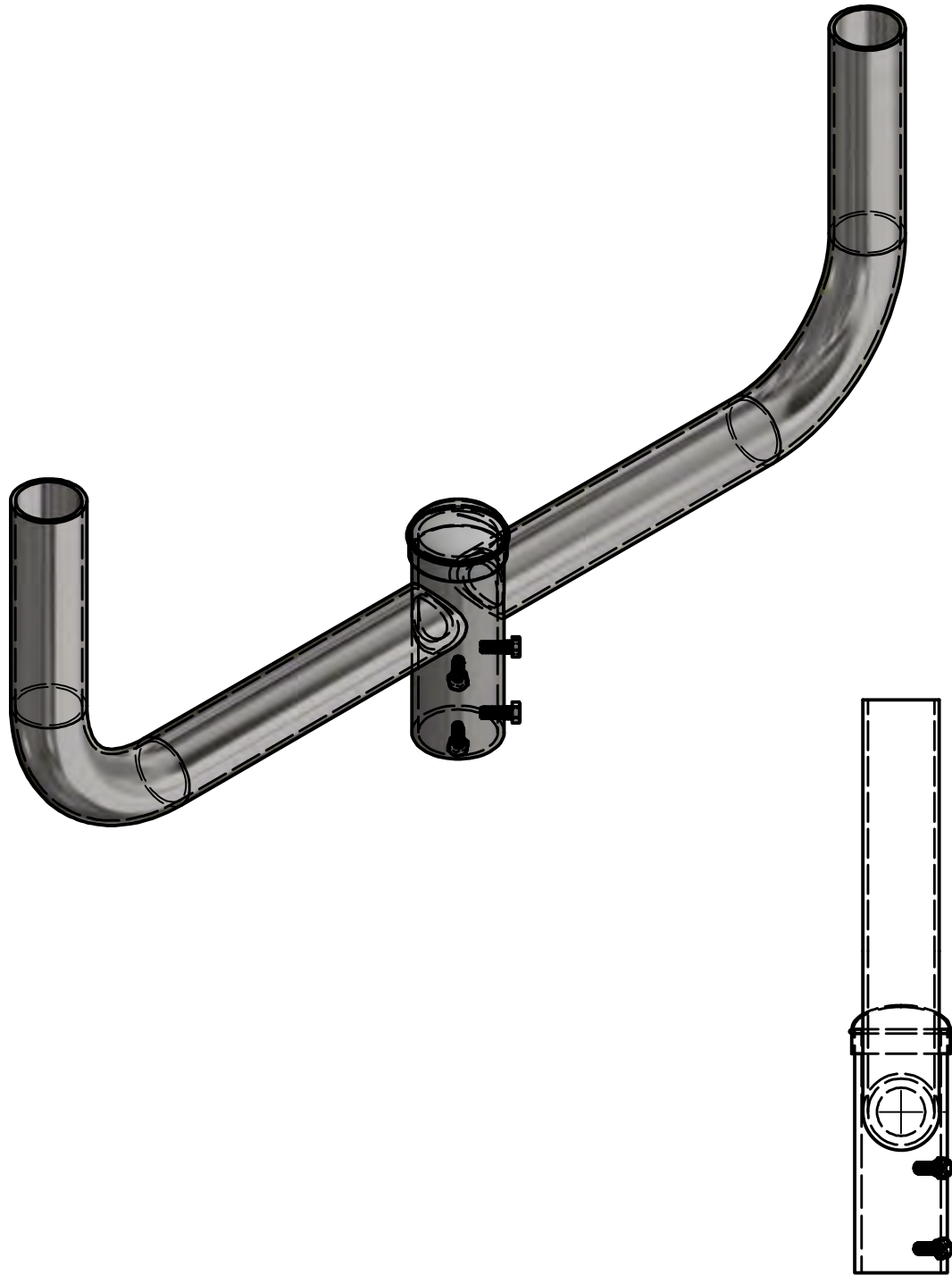
HANDHOLE



2013 AASHTO MAXIMUM EPA RATINGS WITH 3 SEC. WIND GUST

STEEL SQUARE STRAIGHT POLE SSS 5 11 SERIES

PART NUMBER	80 MPH SQ FT	90 MPH SQ FT	100 MPH SQ FT	110 MPH SQ FT	120 MPH SQ FT	130 MPH SQ FT	140 MPH SQ FT
SSS 5 11 20	21.22	15.48	11.38	8.34	6.03	4.23	1.65
SSS 5 11 25	12.94	8.68	5.63	3.38	1.66	0.33	0.0
SSS 5 11 30	7.52	4.03	1.54	0.0	0.0	0.0	0.0



TOTAL WT. = 20.420 lbmass

				THIS DOCUMENT CONTAINS PROPRIETARY INFORMATION. DUPLICATION OR DISCLOSURE IS PROHIBITED WITHOUT THE EXPRESSED WRITTEN CONSENT OF FABRICATED METALS LLC	TOLERANCES: UNLESS OTHERWISE SPECIFIED FRACTIONAL ±1/8" 2 PLACE DEC. ±.03 3 PLACE DEC. ±.005 ANGULAR ± 1°	DRAWN BY: P. DAUGHERTY		UTILITY METALS (A DIVISION OF FABRICATED METALS LLC.)	PART NO. S2-S36-2		
03	6-3-19	P.D.	CHANGED RAD. TO 5"			APPROVED: PD			DESCRIPTION: 2 LIGHT IN LINE 36" BULLHORN BRACKET	BKT000095	
02	9-25-18	P.D.	CHANGED PLACEMENT OF SEAM			ECN:				DWG NO. G-8044-03	REV 03
01	9-18-18	P.D.	ADDED PLACEMENT OF SEAM			SCALE: 3/16" = 1"					
REV	DATE	BY	DESCRIPTION			DATE: 2/7/2018					



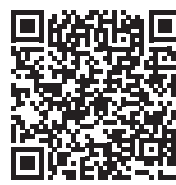
ALL-IN-ONE DESIGN



**NOW AVAILABLE IN
DARK BRONZE!**

The Solera Area Light features an all-in-one design. The solar panel, light engine and battery are built right into the LED fixture. No need for a power source, which eliminates the need for wiring and trenching. High performance solar controller maximizes solar charge under all conditions.

- Perfect for parks, parking lots, school campuses, etc.
- Advanced new LiFePO4 battery lasts at least 2000 charge cycles and will last three nights with one day charge (motion sensing mode).
- 8W comparable to 70W HID.
- 30W comparable to 250W HID.
- Easily programmable via remote control.
- Built-in motion sensor, photo control & status indicator.
- For photometric data, see pages 4 (8W) & 5 (30W).
- For cold weather projects use our SL-SAL products. (scan for more info below)



SCAN FOR INFO ON SL-SAL



BATTERY
CHARGE TIME



BATTERY
CHARGE TEMP



BATTERY
LIFE



REPLACEABLE
BATTERY



TYPE III
OPTICS



OPERATING TEMP



100,000hrs
RATED LIFE

PART #	UPC	COMPARABLE TO	LUMENS	CCT	EPA	FINISH	DIMENSIONS
RP-SAL-8W-50K-SF-GY-G2	844006080150	70W HID	1600	5000K	1.824	GREY	20 x 12 x 3 in.
RP-SAL-30W-50K-SF-GY-G2	844006080235	250W HID	6000		4.788		36 x 16.75 x 3.75 in.
RP-SAL-8W-50K-SF-DB-G2	844006088545	70W HID	1600		1.824	DARK BRONZE	20 x 12 x 3 in.
RP-SAL-30W-50K-SF-DB-G2	844006088552	250W HID	6000		4.788		36 x 16.75 x 3.75 in.

OPERATING MODES  TIMER  MOTION SENSING



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G2 SOLAR AREA LIGHT



OFF-GRID

PART NUMBER BUILDER

MFR	PRODUCT	WATTAGE	COLOR TEMP	BRACKET	FINISH	GENERATION
RP	SAL			SF		G2
(REMPHOS)	(SOLAR AREA LIGHT)	8W 30W	30K 50K 40K AMB	SF = ADJUSTABLE SLIP FITTER BRACKET	GY (GREY) DB (DARK BRONZE)	(GENERATION 2)

EXAMPLE PART NUMBER RP-SAL-8W-50K-SF-GY-G2

PLEASE NOTE, THE RP-SAL COMES STANDARD WITH THE ADJUSTABLE SLIP-FITTER BRACKET ONLY. SEE ORDERING GUIDE FOR ADDITIONAL BRACKETS AVAILABLE FOR PURCHASE.

ORDERING GUIDE - CASE QT = 1

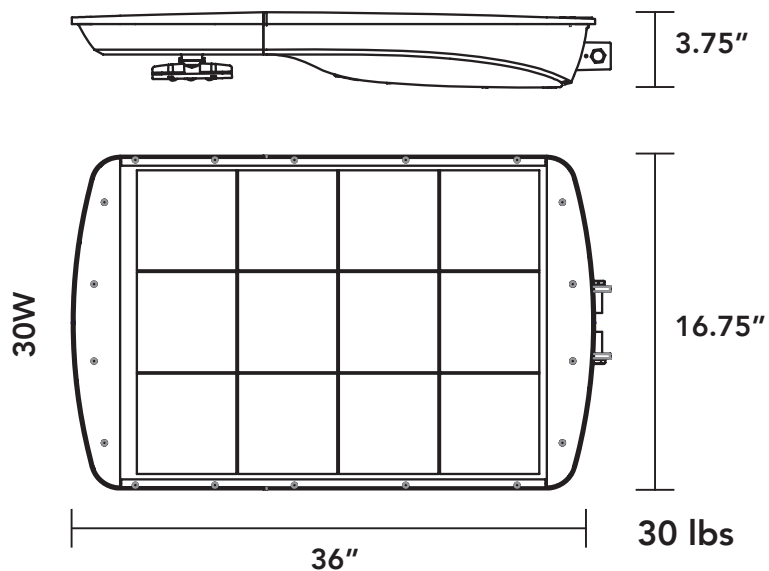
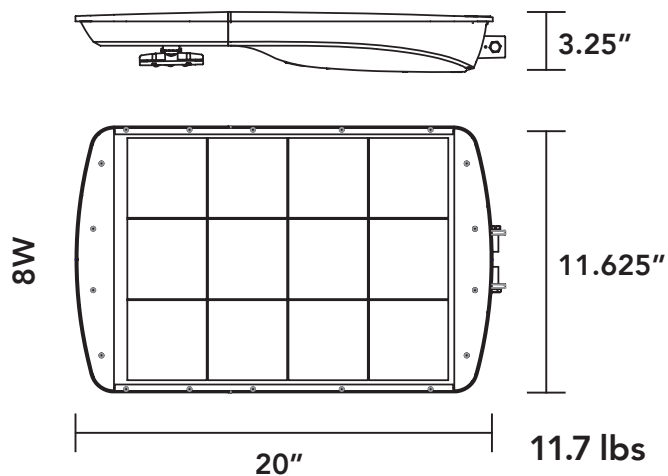
PART #	UPC	QUICK SHIP	LUMENS	WATTAGE	LPW	RECCOMENDED MOUNTING HEIGHT
RP-SAL-8W-30K-SF-GY-G2	844006080266		1600	8	200	15FT
RP-SAL-8W-40K-SF-GY-G2	844006080280		1600	8	200	15FT
RP-SAL-8W-50K-SF-GY-G2	844006080150	✓	1600	8	200	15FT
RP-SAL-30W-30K-SF-GY-G2	844006080327		6000	30	200	20FT
RP-SAL-30W-40K-SF-GY-G2	844006080334		6000	30	200	20FT
RP-SAL-30W-50K-SF-GY-G2	844006080235	✓	6000	30	200	20FT
 RP-SAL-8W-AMB-SF-GY-G2	844006080310		284	AMB	N/A	15FT
 RP-SAL-30W-AMB-SF-GY-G2	844006080358		806	AMB	N/A	20FT
RP-SAL-8W-30K-SF-DB-G2	197810001331		1600	8	200	15FT
RP-SAL-8W-40K-SF-DB-G2	197810001348		1600	8	200	15FT
RP-SAL-8W-50K-SF-DB-G2	844006088545	✓	1600	8	200	15FT
RP-SAL-30W-30K-SF-DB-G2	197810001317		6000	30	200	20FT
RP-SAL-30W-40K-SF-DB-G2	197810001324		6000	30	200	20FT
RP-SAL-30W-50K-SF-DB-G2	844006088552	✓	6000	30	200	20FT
 RP-SAL-8W-AMB-SF-DB-G2	844006088569		284	AMB	N/A	15FT
 RP-SAL-30W-AMB-SF-DB-G2	844006088576		806	AMB	N/A	20FT

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DIMENSIONS



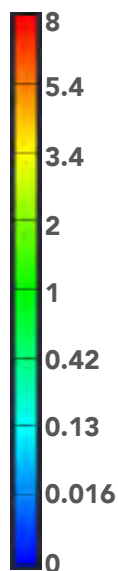
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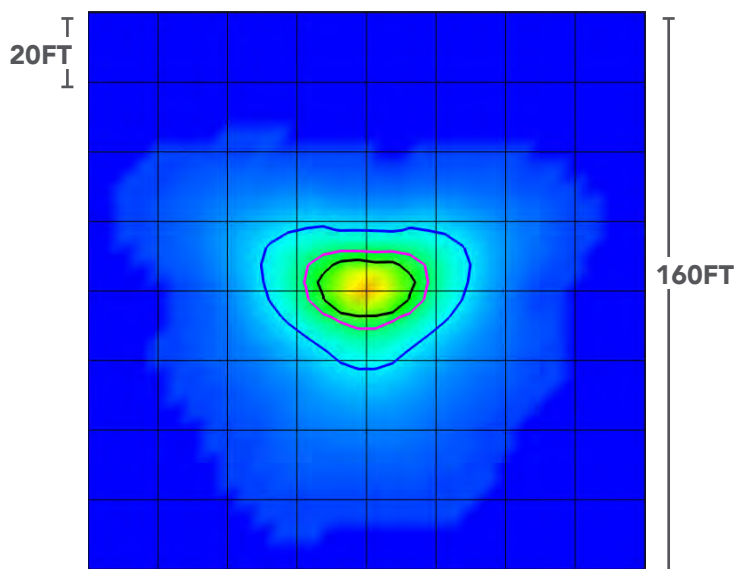
PHOTOMETRICS (8W)

FOOT CANDLES	ISO-LINE COLOR	
1 FC	BLACK	
0.5 FC	MAGENTA	
0.1 FC	BLUE	

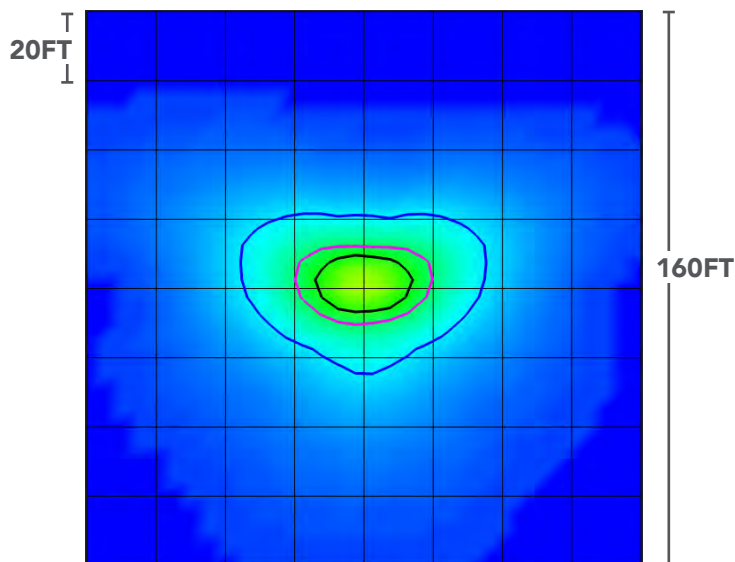
ILLUMINANCE (FC)



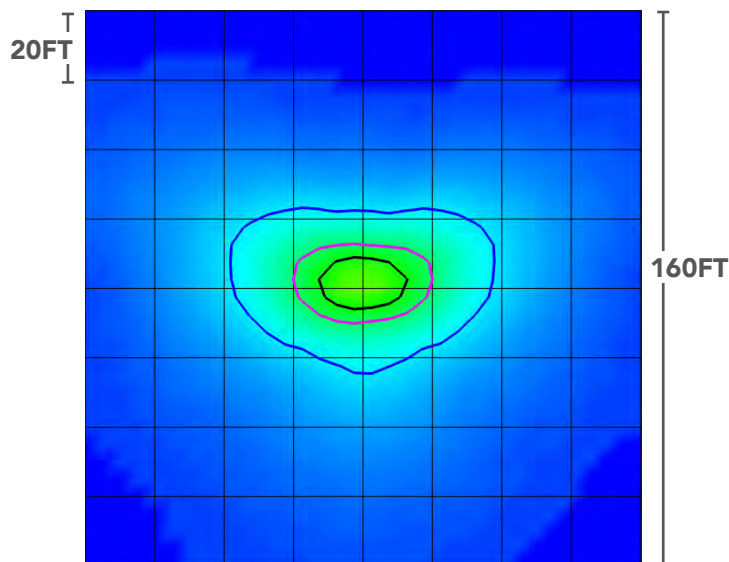
MOUNTING HEIGHT : 8FT



MOUNTING HEIGHT : 12FT



MOUNTING HEIGHT : 15FT



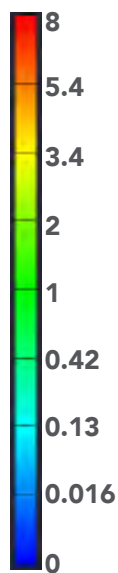
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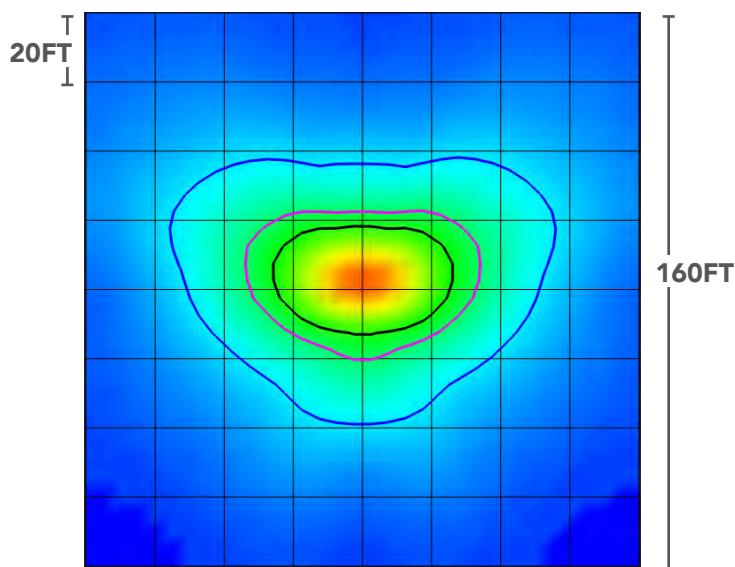
PHOTOMETRICS (30W)

FOOT CANDLES	ISO-LINE COLOR	
1 FC	BLACK	
0.5 FC	MAGENTA	
0.1 FC	BLUE	

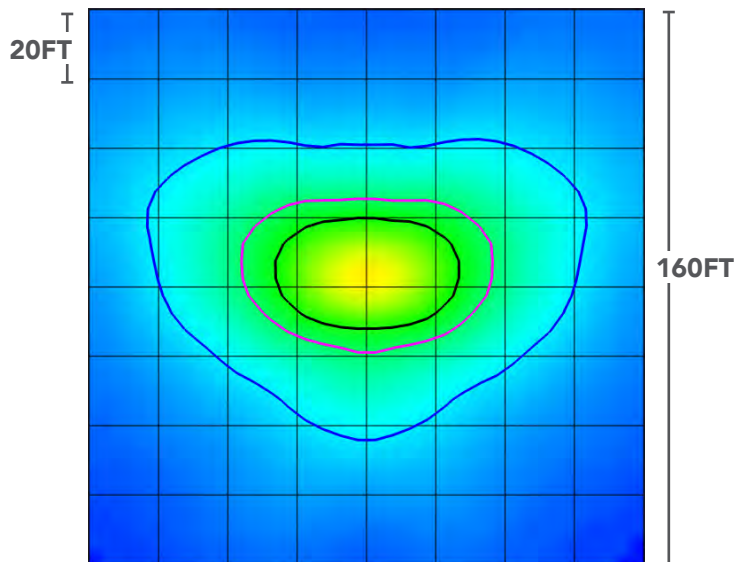
ILLUMINANCE (FC)



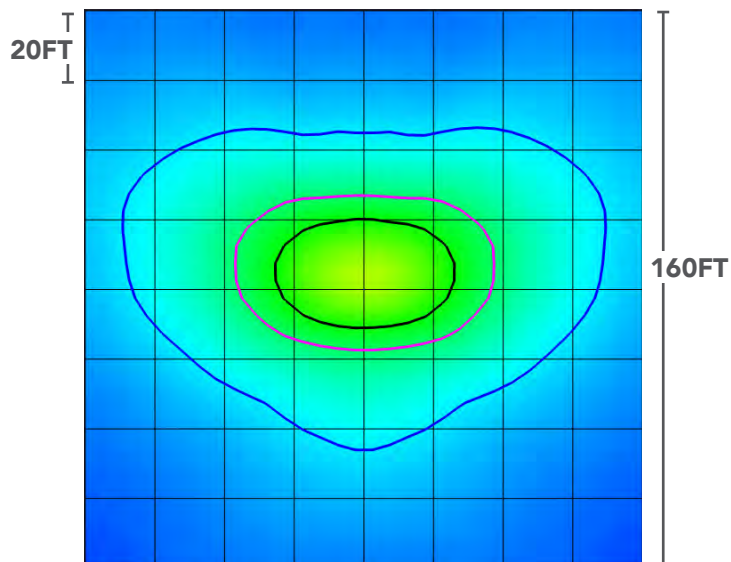
MOUNTING HEIGHT : 15FT



MOUNTING HEIGHT : 20FT



MOUNTING HEIGHT : 25FT



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SOLAR AREA LIGHT ACCESSORIES - CAN BE USED WITH G1 & G2 RP-SAL

PART #	DESCRIPTION	PART #	DESCRIPTION
RP-SAL-BKT-8W-RP-G1	8W ROUND POLE BRACKET - GREY	RP-SAL-BKT-8W-RP-DB	8W ROUND POLE BRACKET - DARK BRONZE
RP-SAL-BKT-8W-SP-G1	8W SQUARE POLE BRACKET - GREY	RP-SAL-BKT-8W-SP-DB	8W SQUARE POLE BRACKET - DARK BRONZE
RP-SAL-BKT-8W-TN-G1	8W TRUNNION BRACKET - GREY	RP-SAL-BKT-8W-TN-DB	8W TRUNNION BRACKET - DARK BRONZE
RP-SAL-BKT-30W-RP-G1	30W ROUND POLE BRACKET - GREY	RP-SAL-BKT-30W-RP-DB	30W ROUND POLE BRACKET - DARK BRONZE
RP-SAL-BKT-30W-SP-G1	30W SQUARE POLE BRACKET - GREY	RP-SAL-BKT-30W-SP-DB	30W SQUARE POLE BRACKET - DARK BRONZE
RP-SAL-BKT-30W-TN-G1	30W TRUNNION BRACKET - GREY	RP-SAL-BKT-30W-TN-DB	30W TRUNNION BRACKET - DARK BRONZE
RP-SAL-REMOTE-G1*	REMOTE CONTROL		
RP-SAL-BIRDBGUARD	DETERS BIRDS FROM PERCHING ON FIXTURE		
RP-SAL-CHARGER-G1-60W	AC CHARGER		
RP-SAL-BATTERY-8W-G1	REPLACEMENT BATTERY FOR 8W		
RP-SAL-BATTERY-30W-G1	REPLACEMENT BATTERY FOR 30W		

* INCLUDED STANDARD W/ EACH FIXTURE ORDERED.



ADJUSTABLE SLIP-FITTER
BRACKET (SF)
(included w/quick ship models)



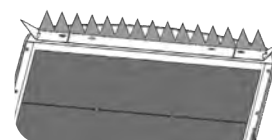
ROUND POLE BRACKET (RP)



SQUARE POLE BRACKET (SP)

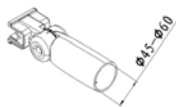
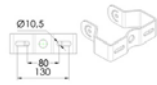
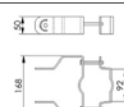
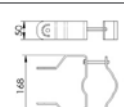
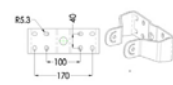
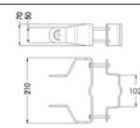
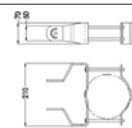


TRUNNION BRACKET (TN)



BIRD GUARD

BRACKET GUIDE

ITEM	SLIP FITTER MOUNTING	U-TRUNNION MOUNTING	SQUARE-HOOP MOUNTING	ROUND -HOOP MOUNTING
8W SOLAR AREA LIGHT		 1. WALL MOUNTED 2.SQUARE POLE ABOVE 3.94"	 1. ROUND POLE: 1.96" – 3.54" 2.SQUARE POLE: 1.96" – 3.54"	 1. ROUND POLE: 1.96" – 4.33"
30W SOLAR AREA LIGHT		 1. WALL MOUNTED 2.SQUARE POLE ABOVE 4.72"	 1. ROUND POLE: 2.36" – 3.94" 2.SQUARE POLE: 1.97" – 3.94"	 1. ROUND POLE: 1.96" – 4.72"

*NOTE - BRACKETS ARE ADJUSTABLE TO FIT ON POLES WITHIN THE DIMENSIONS SHOWN ABOVE
EX. SLIP FITTER BRACKET CAN FIT ON A POLE BETWEEN 1.77" – 2.36"

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