

PART NUMBER:



I-SERIES PROFESSIONAL-GRADE, SOLAR-POWERED LIGHTING SYSTEM FOR EVERY SEASON. Solera Solar Lighting is the new standard for solar light performance. You can expect a professional-grade, configurable, solar-powered lighting system that provides bright lighting where you want it. With the i-Series line, you can build and remotely program, control and monitor an intelligent solar lighting network. Graphically visualize usage and demand to make the most of your solar lighting.



WARRANTY



YEAR-ROUND
LIGHTING



LIFEPO4
BATTERY



BATTERY CHARGE
TEMPERATURE



OPERATING
TEMPERATURE



4G CONNECT
SOFTWARE + APP

PROJECT: _____

NOTES: _____

PART NUMBER BUILDER

BRAND	SERIES	TYPE	OPERATION	LUMENS	BATTERY	OPTICS	MODULE	COLOR	GENERATION	OPTIONS
SL / SOLERA	M / MODULAR	A1 / AREA LIGHT STYLE 1 A2 / AREA LIGHT STYLE 2	OG / OFF-GRID HYB / HYBRID	100 / 10,000 150 / 15,000	06 / 600 WH 12 / 1200 WH	2 / TYPE 2 3 / TYPE 3 4 / TYPE 4 5 / TYPE 5	4 / 4G (PRESENT)	DB / DARK BRONZE	1 / GEN 1	TAA / TAA (TRADE AGREEMENTS ACT)

PART NUMBER:



SPECIFICATIONS	SL-MA1-[OG/HYB]-1000634B1-TAA	SL-MA2-[OG/HYB]-1501234B1-TAA
LUMENS	ADJUSTABLE UP TO 10,000	ADJUSTABLE UP TO 15,000
CCT	3000K, 4000K, 5000K SELECTABLE	3000K, 4000K, 5000K SELECTABLE
LIGHT HEAD	STANDARD	HIGH OUTPUT
PANEL	(2) 55W	(1) 200W
BATTERY	600 WH	1200 WH
EPA	8.0	14.0

FEATURES	SL-MA1	SL-MA2
SWITCH BETWEEN BATTERY & GRID		
ADJUSTABLE CCT & LIGHT OUTPUT		
RETROFIT KITS OR COMPLETE POLE KITS AVAILABLE		
LIGHTER WEIGHT PANEL & BATTERY		
HIGH OUTPUT OPTION		
SOLERA CONNECT COMPATIBLE		
PROGRAM GROUPS & SCHEDULES REMOTELY		
MONITOR SOLAR HARVEST, BATTERY STATE & LIGHTING BEHAVIOR		
CAPTURE USAGE DATA FOR SUSTAINABILITY REPORTING		



STANDARD



OPTIONAL*



FULL POWER ALL NIGHT**



BATTERY CHARGE TIME



BATTERY LIFE**



BATTERY CHANGE TEMP



OPERATING TEMP



REPLACEABLE BATTERY



OPTIONAL MOTION SENSING



100,000hrs RATED LIFE

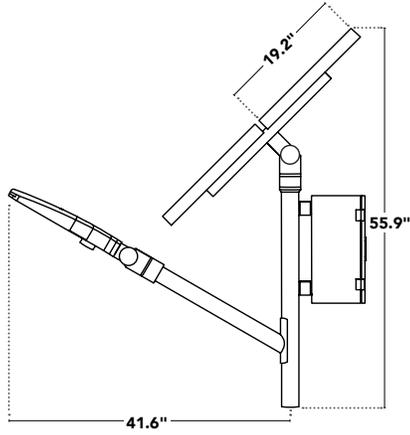
SOLAR AREA LIGHT ACCESSORIES

PART #	DESCRIPTION	PART #	DESCRIPTION
SL-AL1-SHIELD-1	BACK LIGHT SHIELD	SL-AL1-LENS-T3	LENS SET TYPE 3 OPTICS (STANDARD)
SL-AL1-SHIELD-2	FULL CUTOFF SHIELD	SL-AL1-LENS-T4	LENS SET TYPE 4 OPTICS
SL-AL1-LENS-T2	LENS SET TYPE 2 OPTICS	SL-AL1-LENS-T5	LENS SET TYPE 5 OPTICS

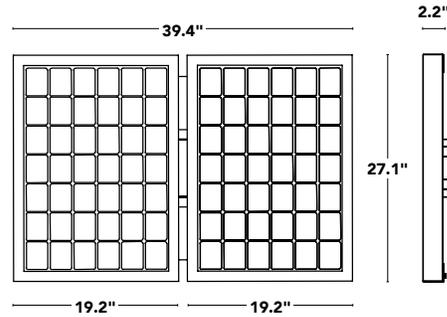
* OPTIONAL 10 YEAR WARRANTY WILL HAVE AN ADDED COST
 ** BATTERY LIFE DEPENDS ON ENVIRONMENT AND POWER SETTING

PART NUMBER:

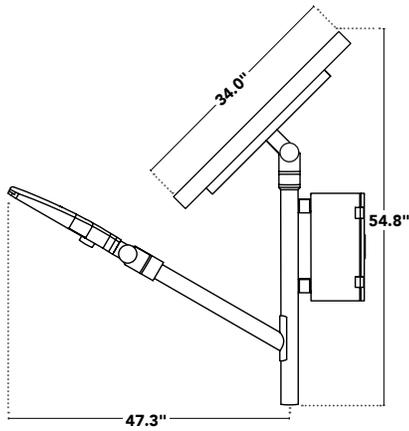
SL-MA1-[OG/HYB]-1000634B1-TAA DIMENSIONS



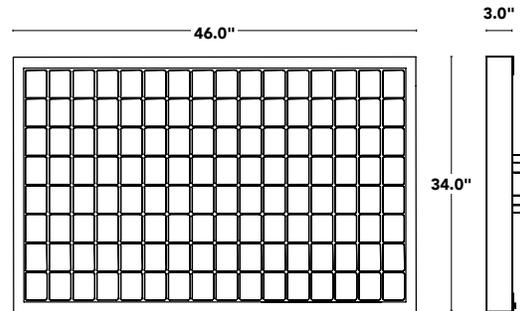
FITS ON A
2-3/8" TENON



SL-MA2-[OG/HYB]-1501234B1-TAA DIMENSIONS

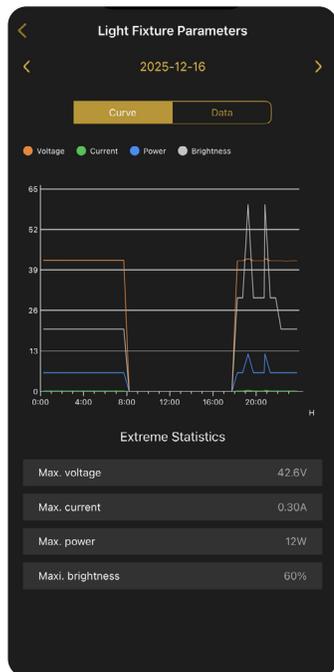
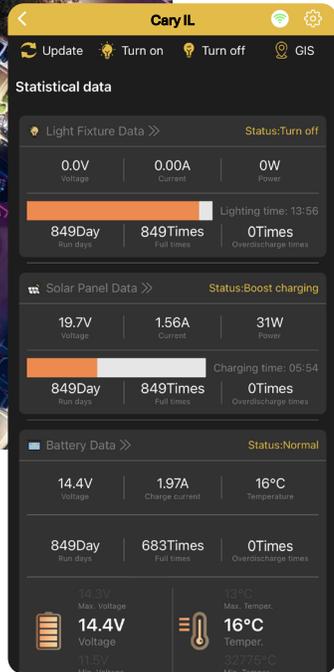


FITS ON A
4" TENON



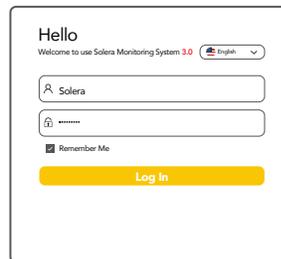
PART NUMBER:

Solera Connect provides real-time visibility into your solar lighting assets through web and mobile access. Using 4G connectivity, users can remotely monitor performance, adjust operating schedules, program lighting profiles and respond to alerts from any location.



- Remote monitoring and control via web portal or mobile app
- Carrier agnostic 4G LTE connectivity ensures connectivity across North America
- One cellular connection per fixture for independent, reliable monitoring
- Pre-commissioned fixtures from the factory simplify installation for easy in-field set up
- App available on Android and IOS
- GIS-based map displays fixture status, alarms and system health at a glance
- Preset programming modes simplify commissioning and seasonal adjustments
- Site grouping and zone-based controls for parks, roadways and campuses
- Automated alarms with work order generation and service confirmation
- Emissions reduction reporting supports sustainability and grant requirements

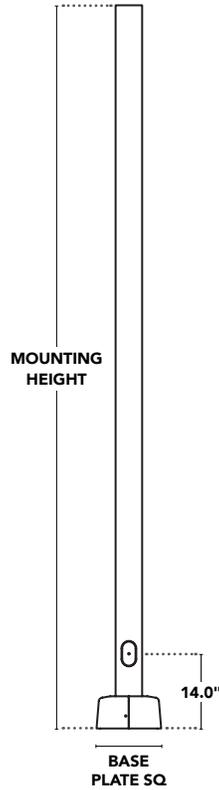
DOWNLOAD SOLERA CONNECT APPS



MOBILE APP Solera.
WEB APP lampmonitor.com

PART NUMBER:

RECOMMENDED POLE OPTIONS



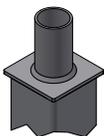
SQUARE, STRAIGHT STEEL ANCHOR BASE

PART #	MOUNTING HEIGHT	SHAFT DIAMETER	WALL THICKNESS	ANCHOR BOLT DIAMETER	BASE PLATE SQ	BASE PLATE HEIGHT
SL-RPSQ-20-5-7-AB-T2-XX	20 FT	5.0"	7 GA	1" X 40"	11.0"	1"
SL-RPSQ-25-6-7-AB-T2-XX	25 FT	6.0"				
SL-RPSQ-30-6-7-AB-T2-XX	30 FT	6.0"			12.0"	

SQUARE, STRAIGHT STEEL DIRECT BURIAL

PART #	MOUNTING HEIGHT	SHAFT DIAMETER	WALL THICKNESS	BURIAL DEPTH
SL-RPSQ-20-5-7-EMB-T2-XX	20 FT	5.0"	7 GA	4 FT
SL-RPSQ-25-6-7-EMB-T2-XX	25 FT	6.0"		5 FT
SL-RPSQ-30-6-7-EMB-T2-XX	30 FT	6.0"		

XX = FINISH COLOR, BK = BLACK, DB = DARK BRONZE, GR = GRAY



POLES INCLUDE 2.38" OD X 4.0" TENON ON THE TOP
POLES ARE CUSTOM MADE TO ORDER AND ARE NOT RETURNABLE



MODULAR SOLAR AREA LIGHT | i-SERIES

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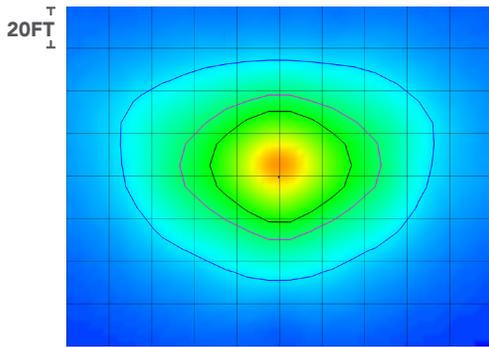
LIGHT ENGINE	SL-MA1-[OG/HYB]-1000634B1-TAA	SL-MA2-[OG/HYB]-1501234B1-TAA
ENGINE	AL-101	AL-200
LED	192 LED. 3030 HIGH EFFICACY	384 LED. 3030 HIGH EFFICACY
MAX. POWER	50W	100W
EFFICACY	160+ LUMENS PER WATT	160+ LUMENS PER WATT
CRI	70+	70+
MAX. LUMENS	10,000 LUMENS	15,000 LUMENS
CCT	3000K, 4000K, 5000K SELECTABLE	3000K, 4000K, 5000K SELECTABLE
CONTROLLER	MPPT CHARGE CONTROLLER	MPPT CHARGE CONTROLLER
HYBRID OPTION	AC HYBRID POWER	AC HYBRID POWER
4G OPTION	4G MODULE FOR SOLERA CONNECT	4G MODULE FOR SOLERA CONNECT
STANDARD OPTICS	TYPE 3	TYPE 3
OPTICS OPTIONS	TYPE 2, TYPE 3, TYPE 4, TYPE 5	TYPE 2, TYPE 3, TYPE 4, TYPE 5
SHIELD OPTIONS	BACK LIGHT SHIELD, FULL CUTOFF SHIELD	BACK LIGHT SHIELD, FULL CUTOFF SHIELD
RATED LIFE	L70 / 10,000 HOURS	L70 / 10,000 HOURS
SOLAR PANEL		
TYPE	MONOCRYSTALLINE	MONOCRYSTALLINE
WATTS	55W PER PANEL	200W
VOLTAGE	12V	12V
ADJUSTABLE	ANGLE AND ROTATION ARE FULLY ADJUSTABLE	ANGLE AND ROTATION ARE FULLY ADJUSTABLE
CHARGE TIME	6 HOURS	6 HOURS
DIMENSIONS	27.1" X 19.2" X 2.2" (NOT INCLUDING SLIP-FITTER)	46.0" X 34.0" X 3.0" (NOT INCLUDING SLIP-FITTER)
WEIGHT	38.50 LB	52 LB
INGRESS PROTECTION	IP65	IP65
BATTERY		
TYPE	LIFEPO4	LIFEPO4
CHARGING TEMP	-4° TO 140°F	-4° TO 140°F
DISCHARGING TEMP	-40° TO 140°F	-40° TO 140°F
CHARGING TIME	6 HRS	6 HRS
BATTERY LIFE	30 HRS (BASED ON ENV / PWR SETTINGS)	30 HRS (BASED ON ENV / PWR SETTINGS)
REPLACEABLE	YES	YES
CHARGE CYCLES	2000+	2000+
AMPERE-HOURS	47	94
WATT HOURS	600	1200
WEIGHT	11.4 LBS	42 LBS (INCL ENCLOSURE)
BMS SYSTEM	ONBOARD FULL PROTECTION	ONBOARD FULL PROTECTION
SAFETY	UN 38.3	UN 38.3
AREA LIGHT ASSEMBLY		
DESCRIPTION	MEDIUM	MEDIUM
SOLAR PANEL	2 X 55W	200W
BATTERY	600 WH	1200WH
LIGHT HEAD	50W / 10,000 LUMENS	100W / 15,000 LUMENS
EPA	8.0 FT ²	14.0 FT ²
WEIGHT	TBD	124 LBS

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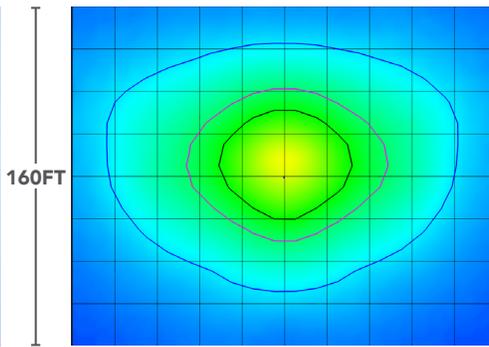
SL-MA1 PHOTOMETRICS

FOOT CANDLES	ISO-LINE COLOR	ILLUMINANCE (FC)
1 FC	BLACK 	 <p>8 5.4 3.4 2 1 0.42 0.13 0.016 0</p>
0.5 FC	MAGENTA 	
0.1 FC	BLUE 	

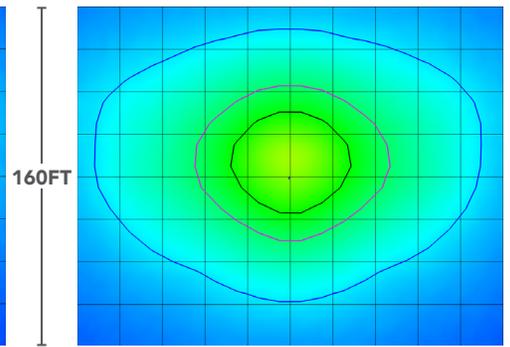
* T3 IS DEFAULT LENS W/ LIGHT OUTPUT SET TO 80%



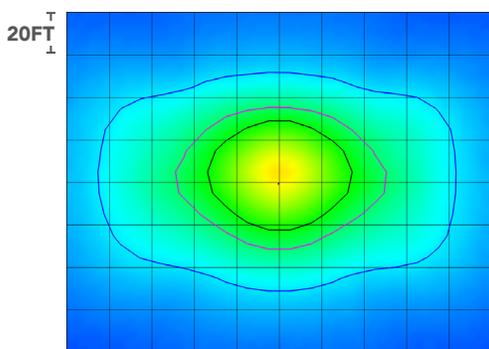
TYPE 3 OPTICS*
MOUNTING HEIGHT: 20 FT
SL-SAL-100L-T3



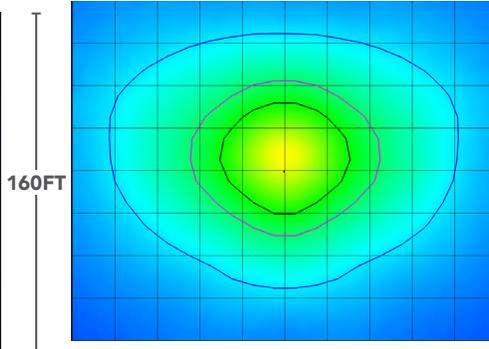
TYPE 3 OPTICS*
MOUNTING HEIGHT: 25 FT
SL-SAL-100L-T3



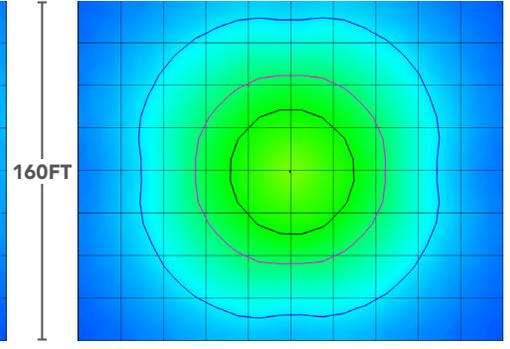
TYPE 3 OPTICS*
MOUNTING HEIGHT: 30 FT
SL-SAL-100L-T3



TYPE 2 OPTICS
MOUNTING HEIGHT: 25 FT
SL-AL1-LENS-T2



TYPE 4 OPTICS
MOUNTING HEIGHT: 25 FT
SL-AL1-LENS-T4



TYPE 5 OPTICS
MOUNTING HEIGHT: 25 FT
SL-AL1-LENS-T5