

## Solar OBI Light Bar



### FEATURES

- Single or Double Light Bar Solar Assembly
- Black, White, or Aluminum finishes
- Wide or Narrow lighting distribution
- Solar Panel Remote Mounted up to Thirty (30) feet
- Charge Duration Six (6) Hours
- Nineteen (19) Hour Output Duration
- Various Solar Panel Mounting Options

### APPLICATIONS

- Bus Stop
- Signage
- Storage
- Wall Washing
- Recreation

### CONSTRUCTION

The Solar OBI Light Bar is made with an Aluminum Alloy housing in a Black, White, or Aluminum finish. Paired with a Ternary Lithium Battery and remote Solar Panel, this assembly is perfect for all your solar lighting needs.

### WARRANTY

- Limited Three (3) and Five (5) Year Warranty standard

Three year warranty on the Battery

Five year warranty on the Lighting Unit

For more information regarding the limited warranty please contact the factory at (844) 202-5606 or email Customer Service at [LEDCustService@dascom.com](mailto:LEDCustService@dascom.com).

### ORDERING GUIDE

SERIES	WATTAGE	LENGTH <sup>1</sup>	BEAM ANGLE <sup>23</sup>	LENS	CRI	CCT	FINISH	VOLTAGE	ASSEMBLY <sup>4</sup>
SLB-4	030 30W	S 2 FOOT	N 30 DEGREE	C CLEAR	8 ≥80	40 4000K	BLK BLACK	L 12-24V	M1 SINGLE LIGHT BAR ASSEMBLY
	060 60W	M 4 FOOT	WW 120 DEGREE	F FROSTED		50 5000K	WHT WHITE ALM ALUMINUM		M2 DOUBLE LIGHT BAR ASSEMBLY

<sup>1</sup> "S" option only available for 30W model.

<sup>2</sup> "N" option only available for clear lens model.

<sup>3</sup> "WW" option only available for frosted lens model.

<sup>4</sup> "M2" option only available for 30W model.

LIGHT BAR MOUNT		PANEL MOUNT	
CACM	SWIVEL BRACKET PAIR	SPM	PANEL MOUNT BRACKET
WAM	1FT WALL ARM MOUNT	PSM	SIDE OF POLE MOUNT
		WAPM	WALL ARM PANEL MOUNT

## Solar OBI Light Bar

### SPECIFICATIONS

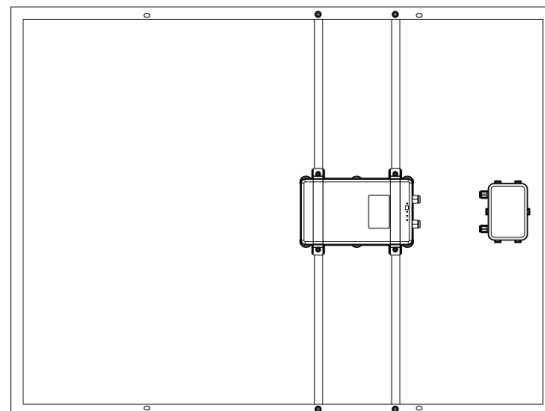
LED SPECIFICATION				4000K		5000K		FIXTURE WEIGHT (lbs.)	SOLAR PANEL WEIGHT (lbs.)	SOLAR PANEL EPA* (ft²)
MODEL	WATTS	OPTIC	LENS	LUMENS	EFFICACY	LUMENS	EFFICACY			
SLB-4030	29	N	C	3,227	111 lm/W	3,362	116 lm/W	2.25 / 3.75	M1: 16.25 M2: 23.05	M1: 8.41 M2: 12.89
	28	WW	F	4,058	145 lm/W	4,227	151 lm/W	2.25 / 3.75	M1: 16.25 M2: 23.05	M1: 8.41 M2: 12.89
SLB-4060	59	N	C	6,253	106 lm/W	6,514	110 lm/W	3.75	M1: 23.05	M1: 12.89
	57	WW	F	7,833	137 lm/W	8,160	143 lm/W	3.75	M1: 23.05	M1: 12.89

BATTERY SPECIFICATION	SLB-4030-M1	SLB-4030-M2	SLB-4060-M1
BATTERY TYPE	Ternary Lithium		
NOMINAL CAPACITY (AH)	24	40	40
BATTERY LIFE	Three (3) Years		
CYCLE LIFE	> 80% @ 25°C @ 1000		
NOMINAL VOLTAGE (V)	12.8	12.8	12.8
STANDARD DISCHARGE CURRENT (A)	3.2	5.0	3.2
DISCHARGE CUT-OFF VOLTAGE (V)	10.5	8.3	10.5
MAX CHARGE VOLTAGE (V)	14.4	14.6	14.4
OVERCHARGE DETECTION VOLTAGE (V)	3.65	4.1	3.65
OVERDISCHARGE DETECTION VOLTAGE (V)	2.1	2.7	2.1
OVERDISCHARGE DETECTION CURRENT (A)	5-10	12-20	5-10

PANEL SPECIFICATION	SLB-4030-M1	SLB-4030-M2	SLB-4060-M1
SOLAR PANEL RATED POWER (W)	110	175	110
NUMBER of SOLAR PANELS	1	1	1
MAXIMUM POWER VOLTAGE (Vmp V)	21.6	18.0	21.6
MAXIMUM POWER CURRENT (Imp I)	6.1	9.2	6.1
SHORT-CIRCUIT CURRENT (Voc)	21.6	22.9	21.6
SHORT-CIRCUIT CURRENT (Isc)	6.7	9.6	6.7
SYSTEM VOLTAGE (V)	1000	1000	1000
TOLERANCE	110-115	175-180	110-115
NUMBER OF SOLAR CELLS	36	36	36
DIMENSIONS (INCHES)	47.1 x 21.4 x 1.2	58.1 x 26.6 x 1.2	47.1 x 21.4 x 1.2

SPECIFICATION	VALUE	
PERFORMANCE	Power Consumption (W)	30 / 60
	Lumens Delivered (lm)	3,227 - 8,160
	Efficacy (lm/W)	106 - 151
	CRI	≥80
	Color Temperature (K)	4000 / 5000
	Full Charge Duration (hr)	6
	Lighting Output Duration (hr)	19
OPTICS	Input Voltage	12-24V
	Dimming	Non-dimmable
	Photocell Sensor	Yes, integrated in Solar Panel
	Motion Sensor	No
OPTICS	Beam Angle	30 / 120
	Glare Shield	No
	INSTALLATION	Standard Mount
Optional Mount		Wall Arm Mount, Various Solar Panel Mounts
Tilt		180°+ Vertically
CERTIFICATIONS	IP	65
	Environment	Indoor / Outdoor / Wet
	Charging Operating Temp.	0°C ~ +45°C / 32°F ~ +113°F
	Discharging Operating Temp.	-20°C ~ +60°C / -4°F ~ +140°F
	Warranty	Battery: 3 year Lighting Unit: 5 year

### BATTERY LOCATION (BACKSIDE OF PANEL)

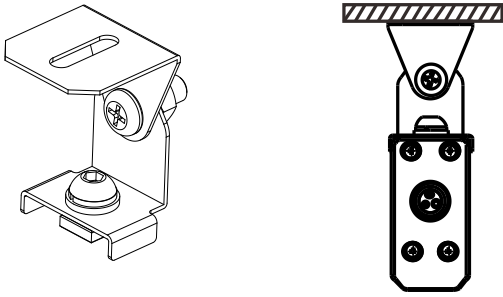


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### LIGHT BAR MOUNTING

#### CACM - SWIVEL MOUNT BRACKET PAIR

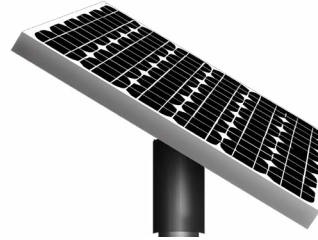
Adjustable Bracket Pair for Single Unit Mount. Can be rotated +180°.



### SOLAR PANEL MOUNTING

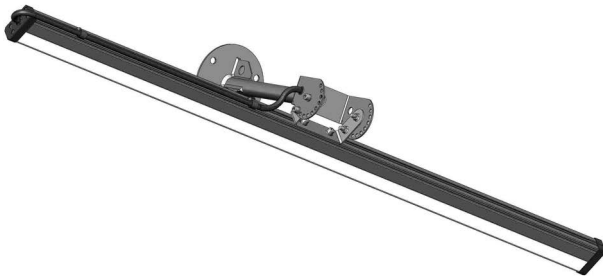
#### SPM - PANEL MOUNT BRACKET

Solar panel cradle for mounting on any 2-3/8" or less tenon.



#### WAM - 1FT WALL ARM MOUNTING BRACKET

Rotatable arm mounts directly to walls.



#### PSM - SIDE OF POLE MOUNTING BRACKET

One-piece mounting bracket clamps around any aluminum or steel pole. Additional pole arm required for a complete solution.



#### WAPM - WALL ARM PANEL MOUNTING BRACKET

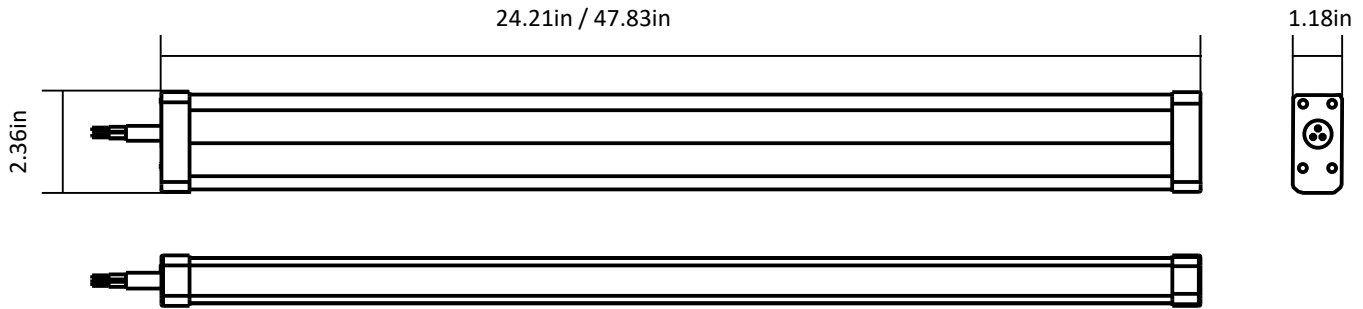
Wall arm mounting with integrated panel mounting for complete installation.



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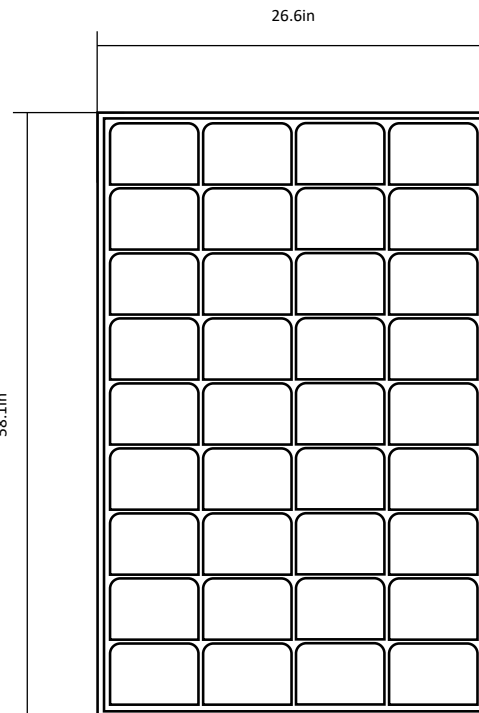
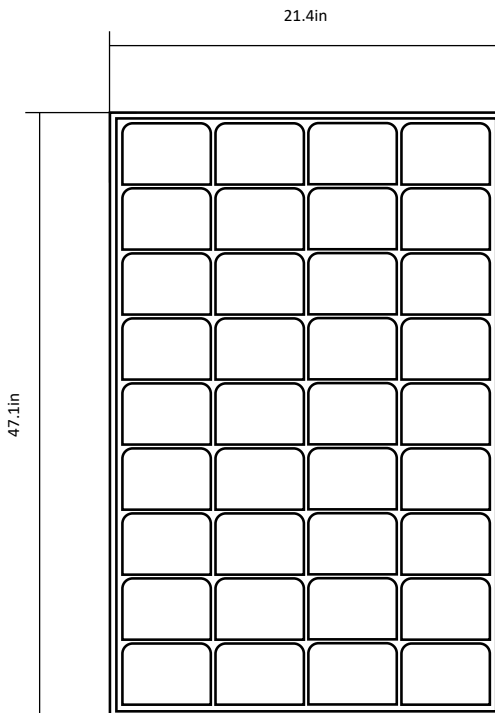
### DIMENSIONAL DRAWINGS

SLB-4030 & SLB-4060



### 110W SOLAR PANEL

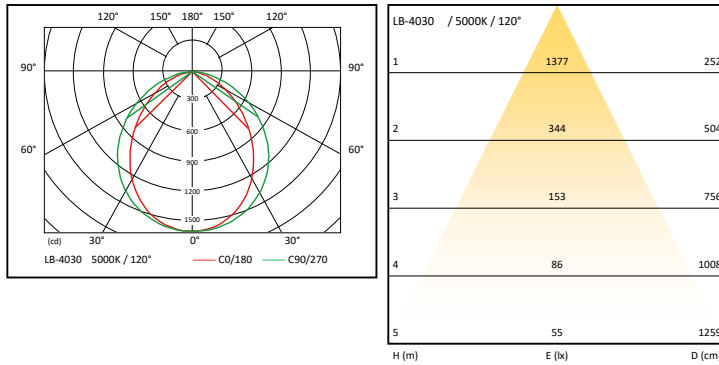
### 175W SOLAR PANEL



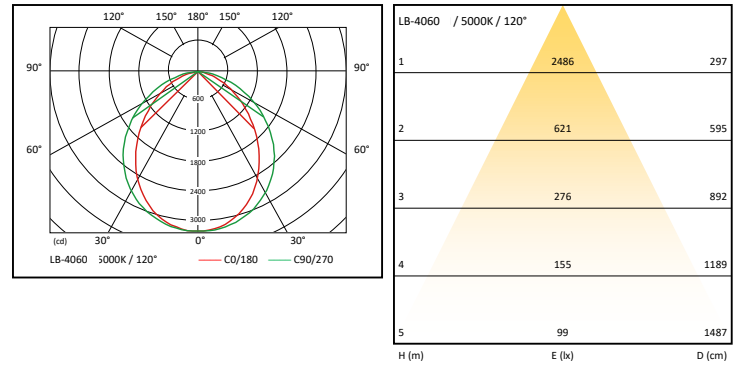
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### PHOTOMETRICS

#### SLB-4030



#### SLB-4060



### DISCHARGE DIAGRAM

The luminance of the Solar Obi Light Bar is on a set down dimming function. When the sensor in the solar panel senses dusk, the luminaire switches on at 100% output.

After two hours the output drops to 70%.

After another two hours the output drops down to 50%.

After just one more hour, the output stays at 20% until dawn.

This setting allows extended light output while requiring a lower charge duration. Please contact the factory for jobs where this settings needs modification. Step-down dimming function is not field adjustable.

