

## OBI LED LIGHT BAR

### INTEGRAL DRIVER VERSION

#### Exceptional Design and Construction for Moisture, Debris, and Impact Resistance

The best in design and quality construction qualify these fixtures to be rated IP66 and IK09 respectively. IP is a measure of how well the luminaire is protected against damage from steam, fumes, water contact, spray, condensation, or dust. IK is a measure of the fixture's resilience and protection against mechanical impact. Obi fixtures carry exceptional IP and IK ratings – evidence of their durability. Field tested to 3000 PSI.



#### Wide Range of Available Angles and Optics

Designed for a wide range of applications (including NSF rated models), these fixtures offer beam angles from 30 degrees to 130 degrees to fit narrow or wide light output distribution requirements. A choice of frosted or clear diffusers give the fixtures added flexibility and aesthetic appeal to match performance and durability.

#### Quality Core Components

Using the best core components, including high-quality chip sets and drivers results in a fixture that not only lasts a long time, but also in high efficacy and resulting lumen output.

#### Flexibility in Installation and Dimming

Obi's design lends itself to a variety of flexible combinations and methods of installation. The fixtures can be used as single luminaires or bracketed together in units of 1-5 Obi Light Bars, creating a uniquely versatile fixture to fit many applications. With standard dimming, and compatibility with a range of off-shelf dimmers, the Obi is one of the most flexible luminaires in the market. Further, the fixtures offer serial connection capability, helping to reduce the number of required electrical drops and working to incorporate the units into an integrated installation design.



#### Common Applications

Offices, Warehouses, Food Processing Plants, Car Washes, Natatoriums, Wall Wash and Indirect Lighting

## ORDERING GUIDE

MODEL	WATTAGE	LENGTH	BEAM ANGLE	DIFFUSER	VOLTAGE	CRI	CCT	FINISH
LB - 40	30 30W	2 24.25" (30W)	30 DEGREE	CL CLEAR	12 120-277V	8 ≥80	3 3000K	BLK BLACK
	50 50W		60 DEGREE				4 4000K	
	60 60W	4 47.87" (30-50-60W)	130 DEGREE	FR FROSTED			5 5000K	NSF ALUMINUM
			110 DEGREE					

#### POWER CORD ENTRY

**SN** SINGLE ENTRY - NO EXIT  
(SINGLE PRODUCT)

**SS** SINGLE ENTRY - SINGLE EXIT  
(MULTIPLE PRODUCTS)

#### POWER CORD LENGTH

**X** FEET (6' WHIP STANDARD)

#### MOUNTING ACCESSORIES

**CCM** SINGLE CEILING MOUNT WITH CHANNEL

**CACM** SINGLE CEILING ADJUSTABLE MOUNT WITH CHANNEL

**PCM** SINGLE PENDANT MOUNT WITH CHANNEL

**NSFM** SINGLE CEILING MOUNT WITHOUT CHANNEL

**M2** MOUNTING FOR 2 UNITS

**M3** MOUNTING FOR 3 UNITS

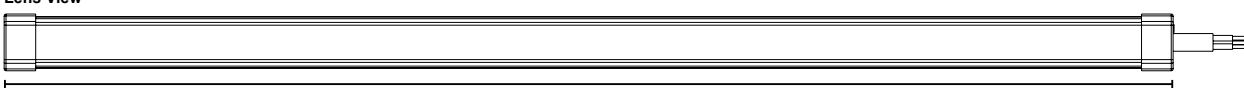
**M5** MOUNTING FOR 5 UNITS

## DIMENSIONS

#### Side View

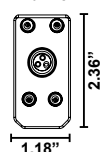


#### Lens View



24.25" / 47.87"

#### End View



1.18"

2.36"

## OBI LED LIGHT BAR

### INTEGRAL DRIVER VERSION

**BEAM ANGLE:** 30°, 60°, 110° & 130°

**INPUT VOLTAGE:** AC100-277V ~ 50/60Hz

**OPERATING TEMPERATURE:** -13°F ~ +113°F

**POWER SUPPLY:** INTEGRAL DRIVER

**POWER FACTOR:** >0.95

**LIFETIME:** ≥ 50,000hrs

**Housing:** The body of the Obi Light Bar is made of just a few extruded aluminum and polycarbonate pieces, making it both a rugged and resilient luminaire as well as one with an architectural aesthetic.

**Mounting Options:** Available options include pendant and flush mounting options for individual units. For combined units bracketed together there are additional options for both how they bracket together, as well as mount to fixed structures or pendant.

**Electrical:** The Obi Light Bar comes standard with a high-performance driver that goes from 100-277V, power factor of 90%+, internal to the fixture. (High voltage (347-480V) is also possible with an external driver.) The Obi Light Bar is rated for -20°C to +45°C (-4°F to +113°F), comes with 4kV surge protection, and 0-10V dimming as standard. 6' cord length is standard.

**Warranty:** Five (5) year warranty on entire system. For more details on warranty conditions, please contact factory.

**Lumen Maintenance:** The lumen packages are rated for 50,000+ hours (L70).

**Certifications:** ETL certified to UL1598. DLC listed. NSF certified for splash zones and non-food zones. Suitable for splash zones & non-food zones.

## MOUNTING OPTIONS

### SINGLE UNIT



For Single Unit  
Order No: CCM or PCM



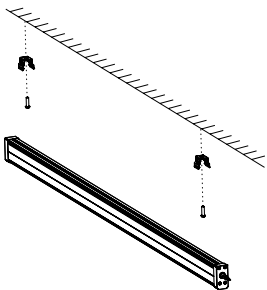
For Single Unit  
Order No: CACM



For Single Unit NSF  
Order No: NSFM

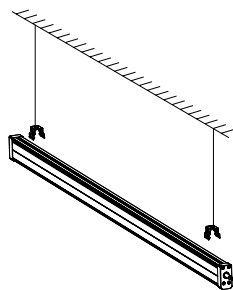
#### Ceiling Mount (CCM)

Install the bracket to the place where you want the light bar to be installed. Fasten the light bar by the clips on the installed bracket.



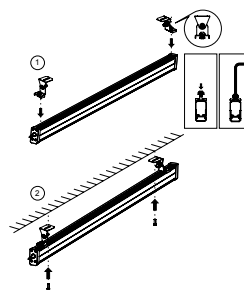
#### Pendant Mount (PCM)

Fasten the light bar into the installed clips.



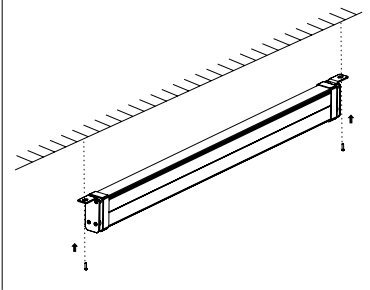
#### Ceiling Mount (CACM)

1. Install the bracket to the light bar.  
2. Secure the screw through the lamp holder and tighten up with the mounting surface. Connect to power.

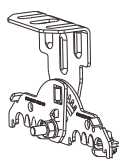


#### Ceiling Mount NSF (NSFM)

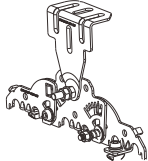
Secure the screw through the lamp holder and tighten up with the mounting surface.



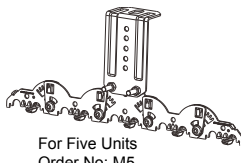
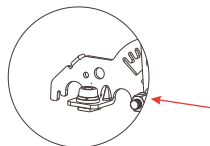
### MULTIPLE UNITS



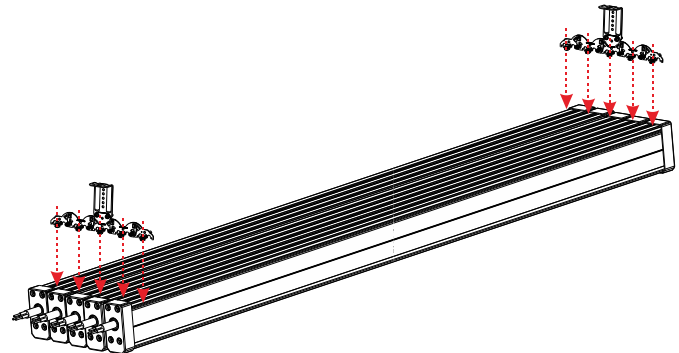
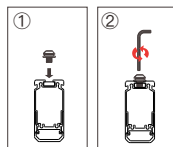
For Double Units  
Order No: M2



For Three Units  
Order No: M3



For Five Units  
Order No: M5

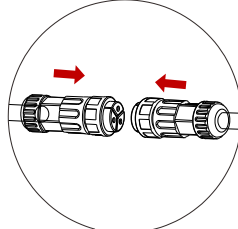


## OBI LED LIGHT BAR

INTEGRAL DRIVER VERSION

### POWER & CONNECTION

Follow the previous steps to install the Light Bars, then connect the serial connectors.



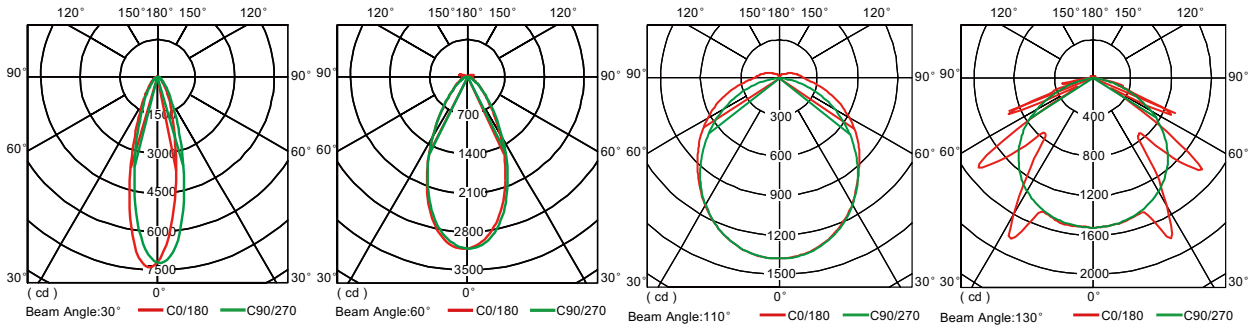
Note: Please be aware of the connection limitations (number of units) per below table.

Input Voltage	LB-4030	LB-4050	LB-4060
AC	@110V: ≤10pcs	@110V: ≤7pcs	@110V: ≤5pcs
	@220V: ≤20 pcs	@220V: ≤14 pcs	@220V: ≤10 pc
	@277V: ≤26 pcs	@277V: ≤17 pcs	@277V: ≤13 pcs
DC	DC: ≤6 pcs	DC: ≤4 pcs	DC: ≤3 pcs



### PHOTOMETRICS

#### LIGHT DISTRIBUTION CURVE 30 WATT



#### ILLUMINANCE DISTRIBUTION 30 WATT

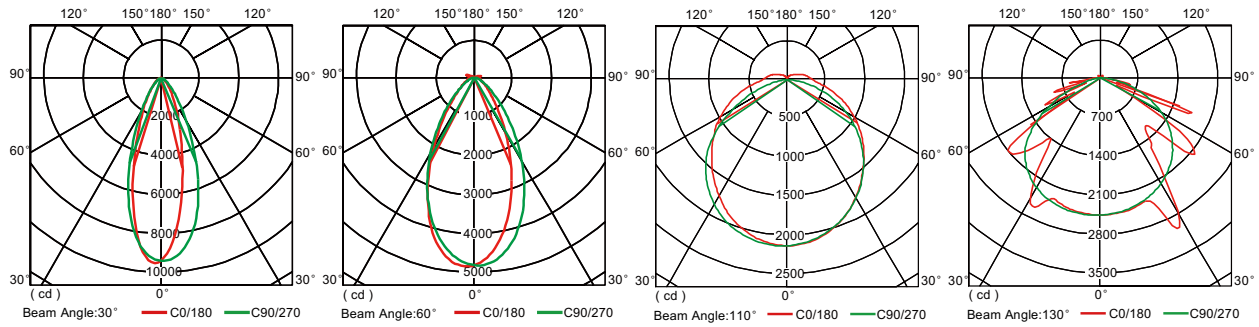
Beam Angle: 30°			Beam Angle: 60°			Beam Angle: 110°			Beam Angle: 130°		
H(m)	E lx	D(cm)	H(m)	E lx	D(cm)	H(m)	E lx	D(cm)	H(m)	E lx	D(cm)
1	7382	49	1	3177	97	1	1521	315	1	1377	252
2	1845	99	2	779	194	2	380	629	2	344	504
3	820	148	3	346	291	3	169	944	3	153	756
4	461	178	4	195	388	4	95	1259	4	86	1008
5	295	247	5	125	485	5	61	1573	5	55	1259
6	205	297	6	87	582	6	42	1888	6	38	1511
7	151	346	7	64	649	7	31	2203	7	28	1763
8	115	395	8	49	776	8	24	2518	8	22	2015
9	91	445	9	38	873	9	19	2832	9	17	2267
10	74	494	10	31	970	10	15	3147	10	14	2519

## OBI LED LIGHT BAR

### INTEGRAL DRIVER VERSION

### PHOTOMETRICS

#### LIGHT DISTRIBUTION CURVE 50 WATT



#### ILLUMINANCE DISTRIBUTION 50 WATT

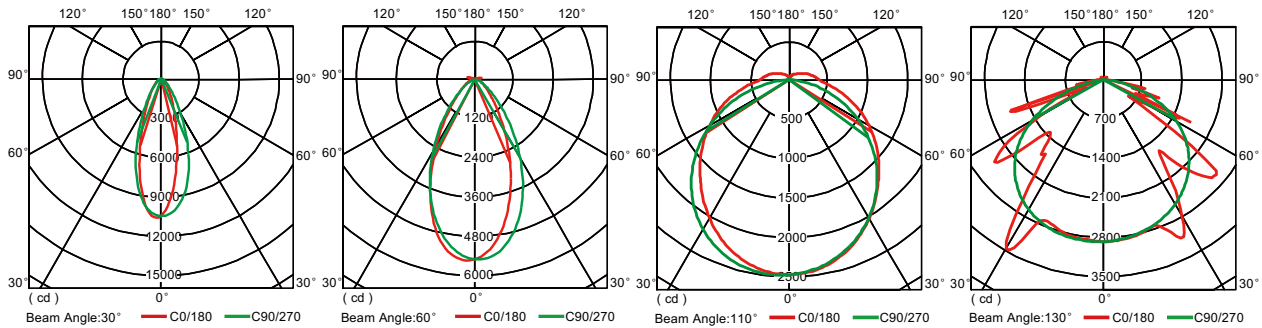
Beam Angle:30°		
1	9588	55
2	2397	110
3	1065	165
4	599	220
5	384	275
6	266	330
7	196	385
8	150	440
9	118	495
10	96	550
H(m)	E(lx)	D(cm)

Beam Angle:60°		
1	4846	94
2	1211	188
3	538	282
4	303	376
5	194	470
6	135	564
7	99	658
8	76	752
9	60	846
10	78	940
H(m)	E(lx)	D(cm)

Beam Angle:110°		
1	2127	289
2	532	578
3	236	867
4	133	1155
5	85	1444
6	59	1733
7	43	2022
8	33	2311
9	26	2600
10	21	2889
H(m)	E(lx)	D(cm)

Beam Angle:130°		
1	2467	338
2	617	677
3	274	1015
4	154	1691
5	99	1259
6	69	2030
7	50	2368
8	39	2706
9	30	3045
10	25	3383
H(m)	E(lx)	D(cm)

#### LIGHT DISTRIBUTION CURVE 60 WATT



#### ILLUMINANCE DISTRIBUTION 60 WATT

Beam Angle:30°		
1	10635	55
2	2659	110
3	1182	165
4	665	220
5	425	27
6	295	330
7	217	385
8	166	440
9	131.3	495
10	106	505
H(m)	E(lx)	D(cm)

Beam Angle:60°		
1	5527	94
2	1382	188
3	614	282
4	346	376
5	221	470
6	154	564
7	113	658
8	86	752
9	68	847
10	55	941
H(m)	E(lx)	D(cm)

Beam Angle:110°		
1	2486	297
2	621	595
3	276	892
4	155	1189
5	99	1487
6	69	1784
7	51	2081
8	39	2379
9	31	2676
10	25	2973
H(m)	E(lx)	D(cm)

Beam Angle:130°		
1	2891	359
2	723	718
3	321	1077
4	181	1437
5	116	1796
6	80	2155
7	59	2514
8	45	2873
9	36	3232
10	29	3292
H(m)	E(lx)	D(cm)