

# **LX** 500 Series

Extreme Application LED Lighting



## Advantages of LX500

- All-purpose **IP67 (water, dust & vapor-proof)** LED linear luminaire
- Glare-Free, **160° wide angle optics** reducing required fixtures by up to 25%
- Dimmable smart circuitry with **motion sensing** for maximum flexibility
- Lightweight low profile design with an **accessible junction box** for easy wiring and installation
- **High efficacy** fixture with durable construction and versatile mounting options
- Cost effective solution as a true LED replacement with a **short ROI Period**
- Ideal for environmentally-demanding locations with a **7 Year Limited Warranty**
- **Designed and engineered in USA**

## Application

- Food processing plants
- Chicken/livestock farming
- Clean Room
- Parking Structures
- Utility Lighting
- Mining
- Convenient Stores

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## Mounting Options



### SURFACE MOUNTING SYSTEM

#### Part Number

SMH-LX

#### Part Description

Surface Mounting System



### CHAIN CHANDELIER MOUNTING SYSTEM

#### Part Number

CH2-LX-45C

CH2-LX-90C

#### Part Description

2 Chain Chandelier System / 18" (45cm) / Stainless Steel

2 Chain Chandelier System / 36" (90cm) / Stainless Steel

# LX 500 Series

Extreme Application LED Lighting - 18Watt

## Ordering Information

LX	Series	Wiring	CCT	Driver	Mounting *
	050 = 500 100 = 1000	JS = J-Box in Series JP = J-Box in Parallel WS = Cable in Series WP = Cable in Parallel	30 = 3000K 40 = 4000K 50 = 5000K	ND = Non-Dimmable DM = Dimmable DS = Dimmable With Sensor	SMH = Surface Mount CH2 = 2 Chain

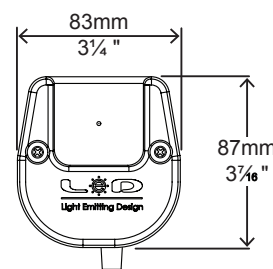
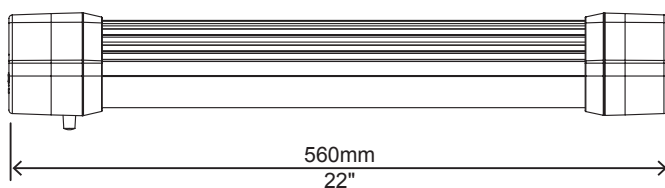
\*Surface Mount comes standard, please see accessories for additional mounting system options.

## Example

Part Number	Part Description
LX050-JS50DS-SMH	18Watt LED Linear Light / 90-277VAC / J-Box in Series / 5000K Cool White / Dimmable with Motion Sensor / Surface Mount

## External Dimensions

### LX500



## Packaging Information

Case Quantity	Dimensions (LxWxH)	Weight
12	61 x 54 x 41 cm 24 x 21 1/4 x 16 1/8 in	16.60 kg 36.60 lbs

# LX 500 Series

## Extreme Application LED Lighting - 18Watt

### Specification

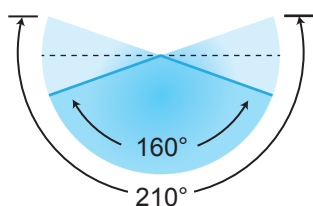
Input Voltage	90-277VAC 47~63Hz
System Watts *	18 Watt
Lumens (Total) *	2,070 Lumens
Efficacy *	115 Lumens / W
LED Model	Nichia
Number of LEDs & Driving Current	72@75mA
CRI	85
T <sub>s</sub> - Solder Point Temp *	46°C
L70 Rating @ T <sub>a</sub> 25°C	> 80K hours
Lighting Control	Dimmable (0-10V, PWM) / Motion Sensor
Warranty	7-Year Limited
Operational Temperature (T <sub>a</sub> )	-40°C ~ 55°C
Storage Temp. / Humidity	-40°C ~ 80°C / IP67 Waterproof Rated Fixture
Transient Surge Protection	4kV / 2kA

\* Test data @ 25°C

NOTE: All Values Have ±7% Tolerance



### Illumination Levels \*



Height	LUX	FC
2m / 6.5ft	143	13.3
3m / 9.8ft	71	6.6
4m / 13ft	38	3.5
5m / 16.5ft	23	2.2

\* Light Beam Angle: 210° Total / 160° @ 80% Flux

NOTE: Light Intensities Are Measured 22.5° from Vertical Center Below the Fixture

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## Photometry (LM79 Test Number LTL 355369)

Average Luminance Table (cd/m<sup>2</sup>)

Vertical Angle (°)	Horizontal Angle (°)		
	Along	45	Across
45	21137	16466	14819
55	18493	13310	11457
65	15438	10479	8845
75	11558	8328	7160
85	5216	7161	6350

NOTE: All Values Have ±7% Tolerance

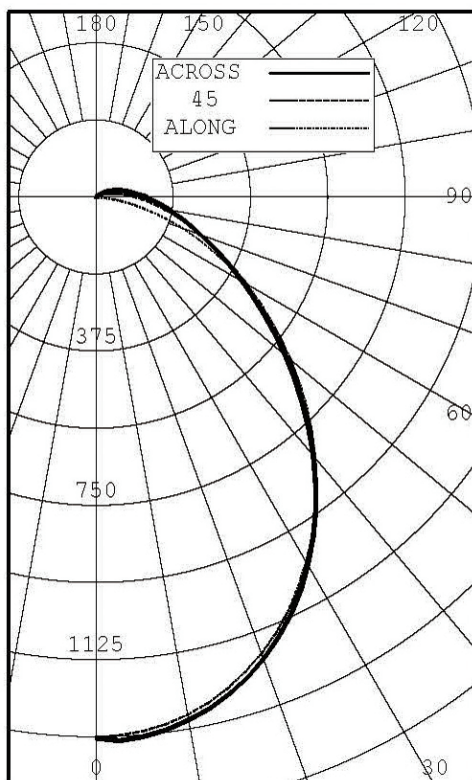
Lumen values may be lower than those indicated on the product specification page due to technological advancements.

Zonal Lumens and Percentages

Zone (°)	Lumens	% of Luminaire
0-30	983	29.30
0-40	1560	46.52
0-60	2568	76.56
0-90	3234	96.41
40-90	1673	49.89
60-90	666	19.85
90-180	120	3.59
0-180	3354	100.00

NOTE: All Values Have ±7% Tolerance

Polar Plot



Intensity(Candlepower) Summary

Angle	Along	22.5	45	67.5	Across	Output Lumens
0	1315	1315	1315	1315	1315	—
5	1305	1300	1304	1307	1317	126
15	1235	1233	1238	1241	1251	348
25	1106	1104	1108	1110	1119	509
35	928	926	928	926	929	578
45	723	719	720	711	707	552
55	513	510	517	504	498	456
65	316	325	343	339	335	331
75	145	180	214	222	223	213
85	22	82	127	145	149	122
90	0	50	96	116	121	—
95	0	29	71	92	98	67
105	0	6	34	55	61	34
115	0	0	13	29	34	15
125	0	0	1	11	14	5

NOTE: All Values Have ±7% Tolerance