SML 1500 Series
LED Linear Utility Lighting

LeD — Light Emitting Designs ®

5 YEAR LIMITED WARRANTY

Advantages of SML1500

- All-purpose utility lighting with **Short ROI Period**
- **Light weight** easy to install versatile design with various mounting options
- **Smart Circuitry System** gives greater protection when used in unstable electrical grids
- **Glare-Free, 240°** comfortable uniform lighting for all working environments
- **Patented Passive Air Cooling System** enables low LED junction temperatures (T_j) for maintenance free long life
- Easy Access Serviceable all-in-one junction box / LED driver
- **Cost effective Solution** as a true LED replacement with a 5-Year Warranty
- Designed and Engineered in the **USA** and manufactured in Taiwan

Application

- Manufacturing Plants
- Warehouses
- Parking Structures
- Utility Lighting

- Car Bays
- Convenient Stores
- Assembly Lines

Mounting Options

TUBE MOUNTING SYSTEM

Part Number	Part Description
TBH-SML	Tube Mounting System

SURFACE MOUNTING SYSTEM

Part Number	Part Description
SMH-SML	Surface Mounting System

External Dimensions

109mm
4¼"

73mm
2⅞"

845mm
33³⁄₁₆"
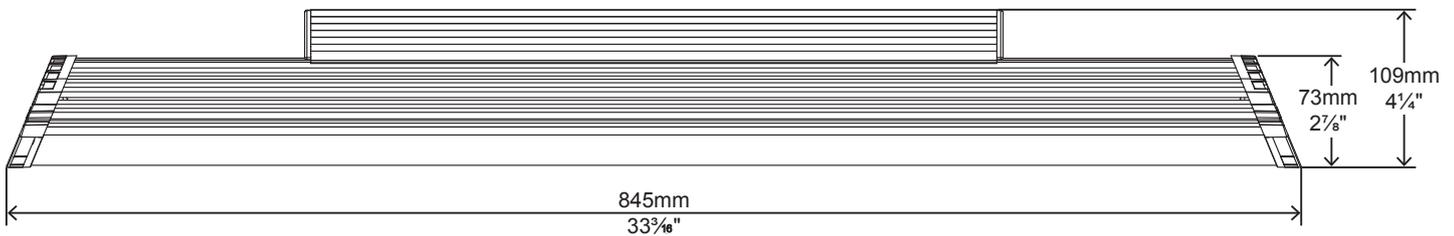
SML 1500 Series

LED Linear Utility Lighting - 38Watt

Ordering Information

SML

Series	CCT	Driver	Mounting *
050 = 500 100 = 1000 150 = 1500	30 = 3000K 40 = 4000K 50 = 5000K	ND = Non-Dimmable DM = Dimmable	TBH = Tube Mount SMH = Surface Mount

* Surface Mount comes standard, please see accessories for additional mounting system options.
Tube Hanging System is only available for SML1000 and SML1500 models.

Example

Part Number	Part Description
SML150-50DM-SMH	38Watt LED Surface Mount Luminaire / 90-277VAC / 5000K Cool White / Dimmable / Surface Mount

Packaging Information

Case Quantity	Dimensions (LxWxH)	Weight
16	98 x 39 x 44 cm 38⅝ x 15⅜ x 17¼ in	22.60 kg 49.72 lbs

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LED Linear Utility Lighting - 38Watt

Specification

Input Voltage	90-277VAC 47~63Hz
Fixture Watts *	38 W
Lumens (Total) *	4,180 Lumens
Efficacy *	110 Lumens / W
LED Model	Nichia
Number of LEDs & Driving Current	108@100mA
CRI	85
T_S - Solder Point Temp *	59°C
L70 Rating @ T_a 25°C	> 80K hours
Lighting Control	Dimmable (0-10V)
Warranty	5-Year Limited
Operational Temperature (T_a)	-40°C ~ 50°C
Storage Temp. / Humidity	-40°C ~ 80°C / 20 - 95% RH non - condensing

* Test data @ Ta: 25°C
NOTE: All Values Have ±7% Tolerance

Illumination Levels *

120°
210°
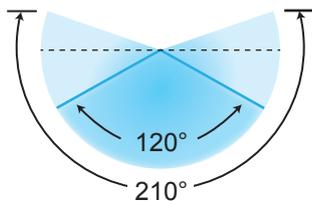
Height	LUX	FC
2m / 6.5ft	286	26.5
3m / 9.8ft	143	13
4m / 13ft	76	7
5m / 16.5ft	45	4.1

* Light Beam Angle: 210° Total / 120° @ 70% Flux

Photometry (LM79 Test Number LTL 355369)

Average Luminance Table (cd/m²)

Horizontal Angle (°)

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

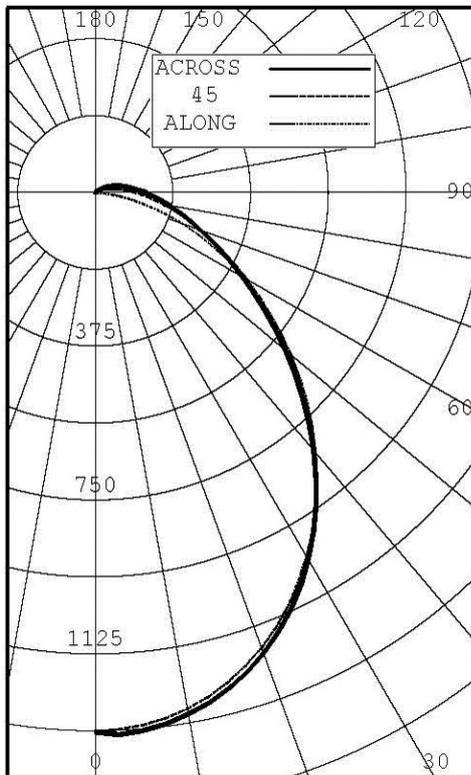NOTE: All Values Have ±7% Tolerance

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

ACROSS
45
ALONG

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