

DS-LED SERIES

occu-smart[®]
technology

DUAL-SENSOR LED

Job Name

Catalog Number

Notes

Type



features

- DS-LED is a unique bi-level LED luminaire controlled by 2 external infrared motion sensors, designed to provide safe, dependable illumination while conserving energy. Suitable for surface or chain mounting
- Bi-level fixtures operate at 20% standby light level, offering safety and security with full light output instantly upon occupancy with areas fully lit only as needed
- Ideal for stairwells, utility rooms and other areas where maximum light levels are not required on a constant basis
- Sensors are field adjustable for optimum coverage, range and time delay using optional IR remote control

construction

- Housings are die-formed of code gauge steel
- Ample knockouts are provided for convenient mounting with recessed or surface power feeds
- Meets ADA requirements for wall mounting
- Ships complete with hardware including junction box adapter plate, v-hooks and chain for convenient mounting
- All fixtures are U.L. listed

LED module

- 144 quality Nichia LED's providing a luminous flux of 1800 lm at 5000K

finish

- Powder coated white finish for quality and durability

electrical

- Operating input voltage - 100-277 Vac, 50/60Hz
- Electrical power consumption - 25W when fully on and 5W in standby mode
- Luminous Efficacy - 72lm/W
- Operating temperature - 0 - 40°C

sensor

- 360°/ 26' detection zone (when mounted at a height of 8' - 10')
- Highly sensitive infrared sensors feature a detection angle of 140° and are field adjustable for optimal detection coverage
- Time delay is factory preset to 5 min and is field adjustable to optional settings of 5, 10 or 30 sec and 1, 5 or 15 min using optional remote control
- Motion sensor range may be set to 20', 30' or 40' using optional remote control

warranty

- 4 years - part replacement only

LaMar
Lighting
Company, Inc.

Occu-smart is a registered trademark of LaMar Lighting Co., Inc.

ordering guide

NOTE: SOME ORDERING OPTIONS APPEAR ON PRODUCT LINE FOR OTHER OPTIONS, SEE LIST AT RIGHT

SAMPLE ORDER NUMBER

DSLED-48

SERIES LENGTH DIMENSIONS

LED ORDERING GUIDE

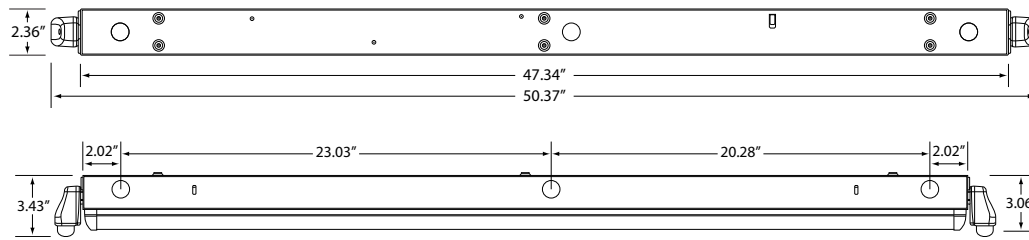
DSLED	48			3" x 48"	
DSLED	24			3" x 24"	~ Coming Soon
DSLED	48	EM		3" x 48"	~ Coming Soon
DSLED	24	EM		3" x 24"	~ Coming Soon

NOTE: EMERGENCY MODELS PROVIDE MINIMUM 90 MIN OF ILLUMINATION DURING POWER OUTAGES

dimensional data

NOTE: SPECIFICATIONS AND DIMENSIONAL DATA ARE SUBJECT TO CHANGE WITHOUT NOTICE

cross sections



photometrics

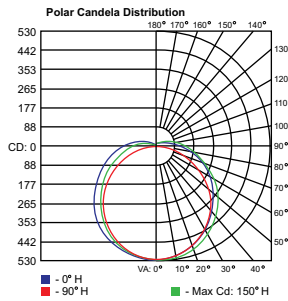
Photometric and Electrical Measurements at 25°C

Voltage (Vac)	Current (A)	Power (W)	Power Factor
120.0	0.2117	23.52	0.9258
Total Luminous Flux (lm)	Luminous Efficacy (lm/W)	Correlated Color Temperature (K)	Color Rendering Index / CRI
1911.4	81.27	4989	71.1
Chromaticity Coordinate x	Chromaticity Coordinate y	Chromaticity Coordinate u'	Chromaticity Coordinate v'
1911.4	81.27	4989	71.1

LM79 Report

High Mode - Full Output

LAMP OUTPUT: 1 Lamp(s), RATED LUMENS/LAMP: 1911.4
 INPUT WATTAGE: 23.5
 MAX CD: 524.4 AT HORIZONTAL: 150°, VERTICAL: 1°
 SPACING CRITERION: @ 0 = 1.27
 @ 90 = 1.26



DS-LED SERIES

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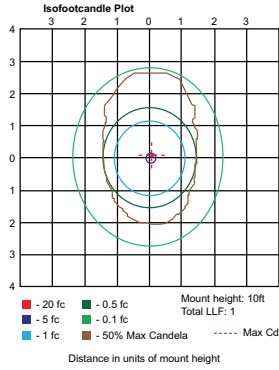
accessories

IRC-LED Infrared remote control

BEFORE INSTALLATION, PLEASE CONSULT YOUR LOCAL ORDINANCES AND BUILDING CODES FOR COMPLIANCE

High Mode - Full Output

LAMP OUTPUT: 1 Lamp(s), RATED LUMENS/LAMP: 1911.4
 INPUT WATTAGE: 23.5
 MAX CD: 524.4 AT HORIZONTAL: 150°, VERTICAL: 1°
 SPACING CRITERION: @ 0 = 1.27
 @ 90 = 1.26



DSLED High Mode Full Output

Illuminance at a Distance

Height (ft)	Center Beam Footcandle	Beam Spread (ft)		Field Spread (ft)	
		Horizontal	Vertical	Horizontal	Vertical
1.7	187.93 fc	4.8	7.6	17.9	
3.3	46.98 fc	9.7	15.3	35.7	
5.0	20.88 fc	14.5	22.9	53.6	
6.7	11.75 fc	19.4	30.6	71.4	
8.3	7.52 fc	24.2	38.2	89.3	
10.0	5.22 fc	29.0	45.9	107.1	

Beam Angle: 110.9° 132.9° 158.9° 230.1°
 Field Angle: 110.9° 132.9° 158.9° 230.1°

Indoor Photometric Report

DSLED Low Mode 20% Output

Illuminance at a Distance

Height (ft)	Center Beam Footcandle	Beam Spread (ft)		Field Spread (ft)	
		Horizontal	Vertical	Horizontal	Vertical
1.7	45.87 fc	4.8	7.6	17.5	
3.3	11.47 fc	9.6	15.1	35.0	
5.0	5.10 fc	14.4	22.7	52.5	
6.7	2.87 fc	19.2	30.3	70.1	
8.3	1.83 fc	24.0	37.8	87.6	
10.0	1.27 fc	28.8	45.4	105.1	

Beam Angle: 110.4° 132.5° 158.4° 228.0°
 Field Angle: 110.4° 132.5° 158.4° 228.0°

Indoor Photometric Report

Coefficients of Utilization - Zonal Cavity Method

RCC %	80				70				50				30				10				0			
	70	50	30	0	70	50	30	0	50	30	20		50	30	20		50	30	20		50	30	20	0
RCR: 0	1.17	1.17	1.17	1.17	1.13	1.13	1.13	.92	1.06	1.06	1.06		1.00	1.00	1.00		.94	.94	.94		.92	.92	.92	.92
1	1.05	.99	.94	.89	1.01	.96	.91	.73	.90	.86	.83		.85	.82	.79		.80	.77	.75		.72	.72	.72	.72
2	.94	.85	.78	.71	.91	.83	.76	.60	.78	.72	.67		.73	.68	.64		.69	.65	.61		.59	.59	.59	.59
3	.86	.74	.65	.58	.82	.72	.64	.50	.68	.61	.55		.64	.58	.53		.60	.55	.51		.49	.49	.49	.49
4	.78	.65	.56	.49	.75	.63	.55	.43	.60	.52	.47		.56	.50	.45		.53	.48	.43		.41	.41	.41	.41
5	.72	.58	.49	.42	.69	.57	.48	.37	.53	.46	.40		.51	.44	.39		.48	.42	.38		.35	.35	.35	.35
6	.66	.52	.43	.36	.64	.51	.42	.32	.48	.40	.35		.46	.39	.34		.43	.37	.33		.31	.31	.31	.31
7	.61	.47	.38	.32	.59	.46	.37	.29	.44	.36	.31		.41	.35	.30		.39	.34	.29		.27	.27	.27	.27
8	.57	.43	.34	.28	.55	.42	.34	.26	.40	.33	.27		.38	.31	.27		.36	.30	.26		.24	.24	.24	.24
9	.53	.39	.31	.25	.51	.38	.30	.23	.37	.29	.24		.35	.29	.24		.33	.28	.23		.21	.21	.21	.21
10	.50	.36	.28	.23	.48	.35	.28	.21	.34	.27	.22		.32	.26	.22		.31	.25	.21		.19	.19	.19	.19

Indoor Photometric Report



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LAMAR LIGHTING 485 Smith Street, Farmingdale, NY 11735 • Tel (631) 777-7700
 Fax (631) 777-7705 • Outside NY (800) 724-7743 • www.lamarlighting.com

