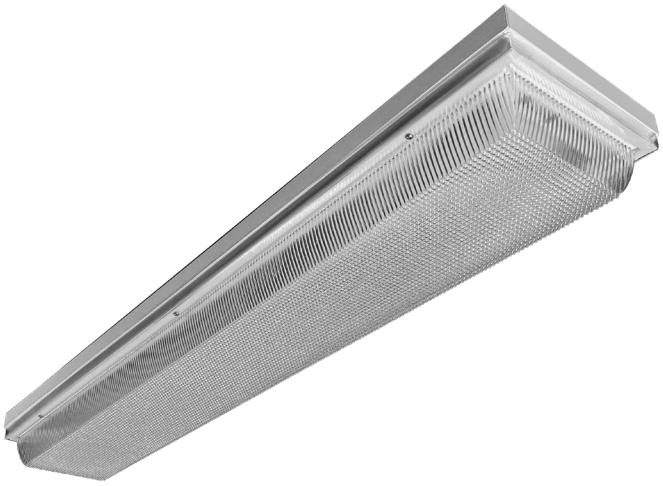
SECURITY LED
WSE500 (4FT) SERIES (2' AVAILABLE)
HIGH IMPACT WRAPAROUND SECURITY LUMINAIRE

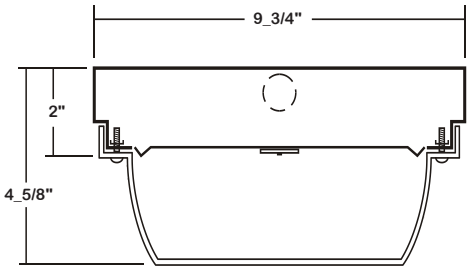
DATE	
JOB	

WWW.LALIGHTING.COM
626-454-8300

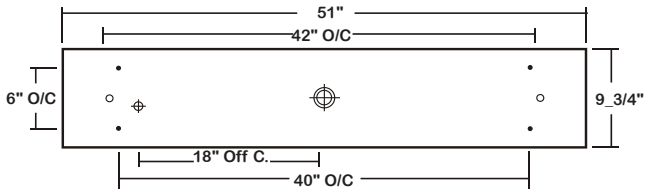
SURFACE / CEILING / WALL MOUNTED SECURITY LED LUMINAIRE



DIMENSIONS



• 3/8" MTG. K.O. ○ 11/16" STEM MTG. K.O. ⌖ 7/8" K.O. ⊕ 2" K.O.



APPLICATIONS
• Security, Vandal Resistant Areas, Commercial

FEATURES
• 0-10V dimming driver standard
• Supports California Title 24 compliance

OPTIONS
• Full customization available upon request
• Additional lumen packages and color temperatures
• Controls and sensors
• Wireless control options
• Emergency battery pack
• 10 kV surge protector

SPECIFICATIONS

CONSTRUCTION
• 20 ga. cold rolled steel welded housing
• Spot welded seams and corners
• Lens secured by 6 stainless steel captive tamper resistant screws
• One-way cross-linked polyethylene gasket standard

FINISH
• Baked white powder coated finish / welded and painted after fabrication / minimum reflectance 90%

OPTICAL
• Clear prismatic polycarbonate lens (nominal 0.187) standard

ELECTRICAL
• High efficiency drivers coupled with long-life LEDs
• Service life greater than 50,000 hours (L70)
• Universal voltage 120V through 277V (347V / 480V available)
• Power Factor (PF) ≥ 0.9
• Total Harmonic Distortion (THD) ≤ 20%

LISTING
• UL USA and Canada listed / suitable for damp locations

WARRANTY
• 5-year limited warranty

Los Angeles Lighting Mfg. Co.
Contact Us
T: 626-454-8300
F: 626-454-8399
www.lalighting.com
10141 Olney Street
El Monte, CA 91731
Made in the USA

RoHS COMPLIANT
CERTIFIED

Due to continued product improvements and enhancements, Los Angeles Lighting Manufacturing Company reserves the right to alter specifications, dimensions, data, and/or materials without notice. Please visit our website to view the most current information.

© 2025 LOS ANGELES LIGHTING MANUFACTURING CO. ALL RIGHTS RESERVED.

Revised: 10/2/2025

MADE IN THE USA
BABA/BAA Compliant

ORDERING INFORMATION

EXAMPLE: WSE500-4-4L-BPL1.5-DRDM-UNV-1/840

SERIES	LED LUMEN PACKAGE	EFFICACY	NOMINAL LENGTH	ELECTRICAL	DRIVER	VOLTAGE	# OF LED ROW	CRI / CCT
WSE500			**4L**					
WSE500 High Impact Wraparound Security LED Luminaire	**2** Nom. 2000 Lumens **4** Nom. 4000 Lumens **6** Nom. 6000 Lumens **8** Nom. 8000 Lumens **12** Nom. 12000 Lumens *Additional Lumen Packages Available	**(Blank)** Standard **HE** High Efficacy (Only 2000 / 4000 / 6000 / 12000 lumens Systems)	**4L** 4'	**BPL 1.5** Emergency Battery Pack, Nom. 1500 lm **SP10** 10 kV Surge Protector **MSHxx** Motion Sensor **WLC(LEDRU)** EnOcean Wireless Control *Leave Blank if Not Specified	**DRDM** 0-10V Dimming Driver	**UNV** 120V-277V	**1** One LED Row (Only 2000 / 4000 / 6000 / 8000 lumens Systems) **2** Two LED Rows (Only 12000 lumens System)	**830** 80+CRI / 3000K Color Temp. **835** 80+CRI / 3500K Color Temp. **840** 80+CRI / 4000K Color Temp. **850** 80+CRI / 5000K Color Temp. *Additional Color Temp. Available

SYSTEM DATA

THESE ARE THE MOST POPULAR LUMEN PACKAGES. PLEASE CONSULT FACTORY FOR ADDITIONAL SYSTEM DATA.

LED LUMEN PACKAGE	NORMAL AMBIENT TEMPERATURE PRODUCT CODE	DELIVERED LUMENS	SYSTEM WATTS	LUMINAIRE EFFICACY	AMBIENT TEMP.	FLUORESCENT EQUIVALENT	IES FILES
2000 Lumens (Nominal)	WSE500-2-4L-1DRDM-UNV-1/840	2085 lm	15.7 W	132.6 lm/W	-20°C / 35°C	1-F32T8	*
4000 Lumens (Nominal)	WSE500-4-4L-1DRDM-UNV-1/840	3982 lm	33.1 W	120.3 lm/W	-20°C / 35°C	2-F32T8, 1-F54T5HO	LA-T3190
6000 Lumens (Nominal)	WSE500-6-4L-1DRDM-UNV-1/840	5693 lm	52.3 W	108.8 lm/W	-20°C / 35°C	3-F32T8	*
8000 Lumens (Nominal)	WSE500-8-4L-1DRDM-UNV-1/840	7689 lm	52.6 W	146.1 lm/W	-20°C / 35°C	4-F32T8, 2-F54T5HO	LA-T3191
12000 Lumens (Nominal)	WSE500-12-4L-1DRDM-UNV-2/840	11391 lm	104.6 W	108.9 lm/W	-20°C / 35°C	6-F32T8, 3-F54T5HO	*

LED LUMEN PACKAGE	NORMAL AMBIENT TEMPERATURE (HIGH EFFICACY) PRODUCT CODE	DELIVERED LUMENS	SYSTEM WATTS	LUMINAIRE EFFICACY	AMBIENT TEMP.	FLUORESCENT EQUIVALENT	IES FILES
2000 Lumens (Nominal)	WSE500-2HE-4L-1DRDM-UNV-1/840	1978 lm	12.7 W	155.8 lm/W	-20°C / 35°C	1-F32T8	*
4000 Lumens (Nominal)	WSE500-4HE-4L-1DRDM-UNV-1/840	3937 lm	25.9 W	151.9 lm/W	-20°C / 35°C	2-F32T8, 1-F54T5HO	*
6000 Lumens (Nominal)	WSE500-6HE-4L-1DRDM-UNV-1/840	5841 lm	39.6 W	147.4 lm/W	-20°C / 35°C	3-F32T8	*
12000 Lumens (Nominal)	WSE500-12HE-4L-1DRDM-UNV-2/840	11685 lm	79.3 W	147.4 lm/W	-20°C / 35°C	6-F32T8, 3-F54T5HO	*

NOTE:
System data is based on 120V input voltage. Actual performance may differ as a result of end-user environment and application.

This fixture has been tested and listed in accordance with UL Standards. L.A. Lighting certifies that it will operate safely when installed properly, and within an ambient temperature range noted in the system data table.

Additional lumen packages and color temperatures available.

Los Angeles Lighting Mfg. Co.
Contact Us
T: 626-454-8300
F: 626-454-8399
www.lalighting.com
10141 Olney Street
El Monte, CA 91731
Made in the USA

Due to continued product improvements and enhancements, Los Angeles Lighting Manufacturing Company reserves the right to alter specifications, dimensions, data, and/or materials without notice.
Please visit our website to view the most current information.
© 2025 LOS ANGELES LIGHTING MANUFACTURING CO. ALL RIGHTS RESERVED.

Revised: 10/2/2025

MADE IN THE USA
BABA/BAA Compliant

DRIVER OPTIONS

PLEASE CONSULT FACTORY TO SEE IF YOUR SELECTED DRIVER OPTION WORKS WITH THIS FIXTURE.

DRDM (TY) UNV

VOLTAGE

120V	120 Volt
277V	277 Volt
UNV	Universal 120-277 Volt *
347V	347 Volt
480V	480 Volt

TY

TY	10-Years Limited Warranty

DRIVER TYPE

DRDM	0-10V Dimming Driver *
DRDM1	0-10V Dimming Driver, 1% Dimming
DRDM2C	2-Channel 0-10V Dimming Driver (for Color Tunable White)
DR2W	2-Wire Phase Dimming Driver
DRDA	Digital Addressable DALI Dimming Driver
DRDA2C	Digit Digital Addressable DALI Type8 2-Channel Driver (for Color Tunable White)
DRDA2.0	Digital Addressable DALI 2.0 Dimming Driver
DRDA2.02C	Digital Addressable DALI 2.0 Type8 2-Channel Driver (for Color Tunable White)
DRSD	Step Dimming Driver
DR(LTEA2W)	Lutron® 2-Wire 1% Dimming Driver (120V Forward Phase only)
DR(LDE1)	Lutron® EcoSystem 1% Soft-On, Fade-to-Black™ Dimming Driver
DR(LDE5)	Lutron® EcoSystem 5% Dimming Driver
DR(PEQ0E)	Lutron® EcoSystem 0.1% Soft-On, Fade-to-Black Dimming Driver
DR(PSQ020)	Lutron® T-Series Digital 1% Dimming 2-Channel Driver (for Color Tunable White)
DRCR	Control Ready Driver
DRCR(DXL)	Osram Dexal Driver
DRCR(SR)	Philips Sensor Ready Driver

BATTERY PACK OPTIONS

PLEASE CONSULT FACTORY TO SEE IF YOUR SELECTED BATTERY PACK OPTION WORKS WITH THIS FIXTURE.

LED EMERGENCY BATTERY PACKS
(Operate for 90 minutes unless otherwise specified)

BPL SL 1.5 (2H)

NOTE

2H	2 hours

LUMEN PACKAGE

0.7	Nominal 750 Lumens
1.5	Nominal 1500 Lumens *
3.0	Nominal 3000 Lumens

**Additional lumen packages available*

TYPE

(Blank)	Normal Ambient Temp. / Standard Operation
C	Cold Environment (-20°C)
F	With Flex for Remote Mounting
SL	Slim Casing
ST	Self Test / Diagnostic

* Normal Stock Item

Los Angeles Lighting Mfg. Co.
Contact Us
T: 626-454-8300
F: 626-454-8399
www.lalighting.com
10141 Olney Street
El Monte, CA 91731
Made in the USA

Due to continued product improvements and enhancements, Los Angeles Lighting Manufacturing Company reserves the right to alter specifications, dimensions, data, and/or materials without notice.
Please visit our website to view the most current information.
© 2025 LOS ANGELES LIGHTING MANUFACTURING CO. ALL RIGHTS RESERVED.

Revised: 10/2/2025

MADE IN THE USA
BABA/BAA Compliant

SENSOR OPTIONS

MSH - Motion Sensor High Frequency (Microwave)
- Super high frequency motion sensor (also known as microwave sensor) which detects movement when installed behind low density fixture materials, such as polycarbonate, acrylic and glass diffusers
- Turns light ON/OFF based on motion detection
- Universal Voltage (120V-277V)

CONTROLS AND SENSORS

WLC(LEDRU) - EnOcean® LED Relay Zone Controller
- Supports a single LED fixture or multiple daisy chained LED fixtures
- Module installed inside lighting fixture

ESRPU-W-EO - EnOcean® Rocker Switch – Single – Surface Mount
- Wireless single rocker switch with mounting plate
- No batteries needed

EDRPU-W-EO - EnOcean® Rocker Switch – Double – Surface Mount
- Wireless double rocker switch with mounting plate
- No batteries needed

S3054-N300 - EnOcean® Navigan NWC 300U – Commissioning Tool
- Navigan Wireless Commissioner is used to configure EnOcean controllers & sensors
- It can be used to define link tables, change parameters/settings, and to edit & store projects
- Configuration settings can be saved and cloned to enable quick configuration
- Connectivity is through the NWC 300U USB Stick

EOSWU-W-EO - EnOcean® Occupancy Sensor – Wall Mount
- Wireless wall mounted occupancy sensor
- Solar powered - no batteries needed (coin battery operated in low light conditions)
- PIR motion sensor with both wide angle (50') and long range (100') options
- Mounting height: 6-8 feet

EOSCU-W-EO - EnOcean® Occupancy Sensor – Ceiling Mount
- Wireless ceiling mounted occupancy sensor
- Solar powered - no batteries needed (coin battery operated in low light conditions)
- PIR motion sensor with 360 degree viewing angle lens (34' diameter)
- Mounting height: 7-10 feet

ELLSU-W-EO - EnOcean® Light Level Sensor – Ceiling Mount
- Light Level sensor that measures and reports the level of available natural light
- Solar powered - no batteries needed (coin battery operated in low light conditions)
- Enables implementation of daylight harvesting control systems
- Mounting position: At the ceiling, close to ambient light source

Los Angeles Lighting Mfg. Co.
Contact Us
T: 626-454-8300
F: 626-454-8399
www.lalighting.com
10141 Olney Street
El Monte, CA 91731
Made in the USA

Due to continued product improvements and enhancements, Los Angeles Lighting Manufacturing Company reserves the right to alter specifications, dimensions, data, and/or materials without notice.
Please visit our website to view the most current information.
© 2025 LOS ANGELES LIGHTING MANUFACTURING CO. ALL RIGHTS RESERVED.

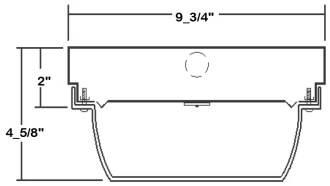
Revised: 10/2/2025

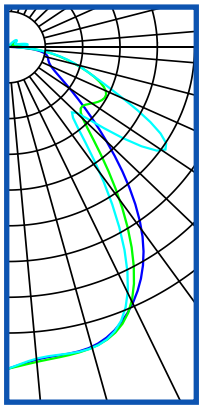
MADE IN THE USA
BABA/BAA Compliant

PHOTOMETRIC DATA - WSE500 SERIES

WSE500-4-4L-1DRDM-UNV-1/840

TEST NO. = LA-T3190
LED TYPE = 48 LED MODULE
NO. OF MODULE = 2
SYSTEM WATT (W) = 33.1
CRI ≥ 80
L70(Hrs.) ≥ 50,000
PHOTOMETRY TYPE = C





CANDLEPOWER

ANGLE	END	45	CROSS
0	1643	1643	1643
5	1658	1648	1634
15	1633	1643	1635
25	1520	1481	1410
35	1216	1001	805
45	711	529	494
55	338	498	950
65	171	532	640
75	147	351	360
85	100	136	141
90	39	47	46
95	24	74	86
115	16	38	41
125	8	41	54
135	3	17	48
145	1	2	10
155	0	0	0
165	0	0	0
175	0	0	0
180	0	0	0

ZONAL LUMEN SUMMARY

DEGREES	LUMENS	% LAMP	% FIXTURE
0-30	1303	30.4	32.7
0-40	1936	45.1	48.6
0-60	2887	67.4	72.5
0-90	3791	88.5	95.2
90-120	139.4	3.2	3.5
90-150	191.1	4.6	4.8
90-180	191.1	4.6	4.8
0-180	3982	92.9	100.00

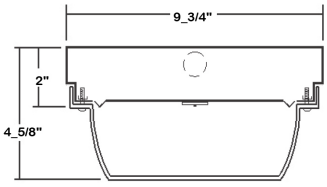
Luminaire Output= 3982 lumens
Luminaire Efficacy = 120.3 lm/W

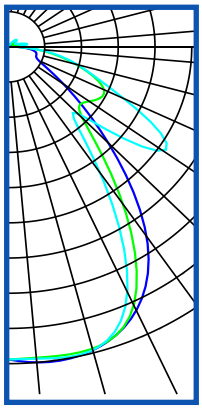
SPACING CRITERION

ALONG	ACROSS
1.21	1.07

WSE500-8-4L-1DRDM-UNV-1/840

TEST NO. = LA-T3191
LED TYPE=72 LED MODULE
NO. OF MODULE=2
SYSTEM WATT (W)=52.6
CRI ≥ 80
L70(Hrs.) ≥ 50,000
PHOTOMETRY TYPE=C





CANDLEPOWER

ANGLE	END	45	CROSS
0	3158	3158	3158
5	3201	3153	3163
15	3174	3157	3172
25	2938	2880	2733
35	2338	1941	1554
45	1373	1021	951
55	657	960	1833
65	329	1025	1235
75	285	677	697
85	193	261	270
90	78	91	87
95	46	144	163
115	32	75	75
125	17	79	102
135	7	35	95
145	1	2	18
155	0	0	0
165	0	0	0
175	0	0	0
180	0	0	0

ZONAL LUMEN SUMMARY

DEGREES	LUMENS	% LAMP	% FIXTURE
0-30	2522	30.0	32.8
0-40	3743	45.2	48.6
0-60	5579	67.4	72.5
0-90	7320	88.5	95.2
90-120	268.5	3.2	3.4
90-150	368.4	4.4	4.7
90-180	368.4	4.4	4.7
0-180	7689	92.9	100.00

Luminaire Output= 7689 lumens
Luminaire Efficacy = 146.1 lm/W

SPACING CRITERION

ALONG	ACROSS
1.23	1.07

LOS ANGELES LIGHTING MFG. CO.
10141 OLNEY ST. / EL MONTE, CA 91731
TEL 626-454-8300 | FAX 626-454-8399 | www.lalighting.com