ARCHITECTURAL LED

LST050 (8FT) SERIES (4' AVAILABLE)
LOUVERED STACK BAFFLED LUMINAIRE

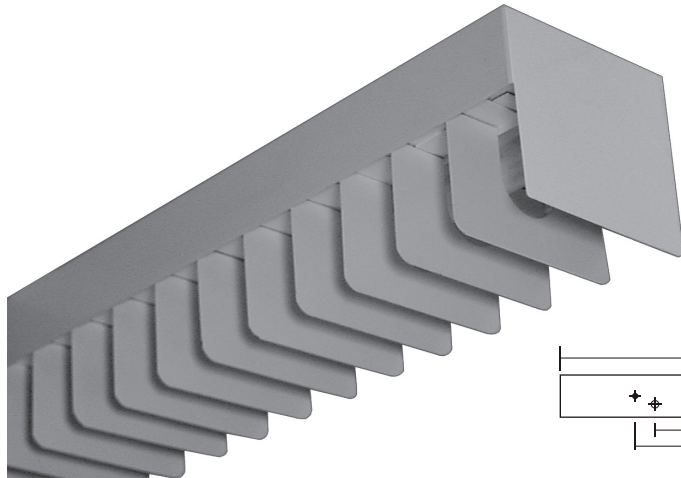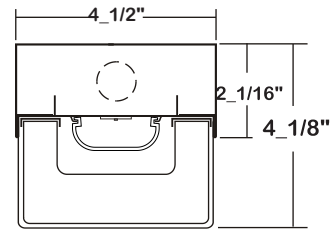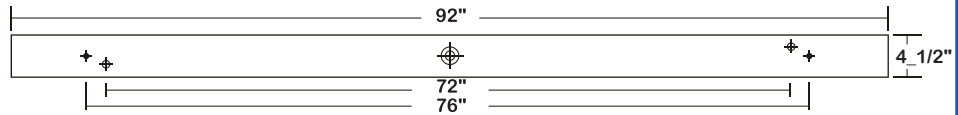**LA LIGHTING**

DATE	
JOB	

SURFACE / PENDANT MOUNTED LED LUMINAIRE

DIMENSIONS

4_1/2"
2_1/16"
4_1/8"

◆ 11/16" STEM MTG. K.O.   ⊕ 7/8" K.O.   ⊕ 2" K.O.

92"
72"
76"
4_1/2"

APPLICATIONS
• Library, Corridor, Task Lighting, Retail, Commercial

FEATURES
• Row mountable
• 0-10V dimming driver standard *(See DRIVER OPTIONS for other dimming types)*
• Supports California Title 24 compliance

OPTIONS
• Full customization available upon request
• Additional lumen packages and color temperatures available
• Wireless control options available *(See SENSOR OPTIONS for wireless controls)*
• Custom colors available *(See CUSTOM COLORS For standard and custom options)*
• Emergency battery pack available *(See BATTERY PACK OPTIONS for battery pack options)*
• Cable suspension systems available *(See ACCESSORIES for suspension options)*
• Tunable white available (2700K-6500K)

SPECIFICATIONS

CONSTRUCTION
• 20 ga. cold rolled steel housing and end caps
• 20 ga. cold rolled steel louver blade and rails

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

OPTICAL
• Frosted white acrylic lens (2 per fixture)

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

MADE IN USA   c(UL)us   RoHS COMPLIANT   Tunable White

MADE IN THE U.S.A.

Revised 08-02-19
WARNING

ORDERING INFORMATION

EXAMPLE: LST050-8-8L-FRWA-BPL1.5-DRDM-UNV-1/840

SERIES	LED LUMEN PACKAGE	EFFICACY	NOMINAL LENGTH	COLOR	OPTICAL	ELECTRICAL	DRIVER	VOLTAGE	# OF LED ROW	CRI / CCT
LST050			**8L**		**FRWA**		**DRDM**	**UNV**	**1**	
LST050 Rectangular Louvered Stack Baffled LED Luminaire	**4** Nom. 4000 Lumens **8** Nom. 8000 Lumens **12** Nom. 12000 Lumens **16** Nom. 16000 Lumens *Additional Lumen Packages Available*	**(Blank)** Standard **HE** High Efficacy (Only 4000 / 8000 / 12000 lumens Systems)	**8L** 8'	**(Blank)** Standard White **BLK** Matte Black **CS** Camaro Silver **BZ** Statuary Bronze See CUSTOM COLORS for Options *Additional Colors Available Upon Request*	**FRWA** Frosted White Acrylic	**BPL1.5** Emergency Battery Pack, Nom. 1500 lm *See BATTERY PACK OPTIONS for Options* **MSxx** Motion Sensor **WLC(LEDRU)** EnOcean Wireless Control *See SENSOR OPTIONS for Options* *Leave Blank if Not Specified* *Additional Electrical Options*	**DRDM** 0-10V Dimming Driver *See DRIVER OPTIONS for Options*	**UNV** 120V-277V *See DRIVER OPTIONS for Options*	**1** One LED Row	**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
4000 Lumens (Nominal)	LST050-4-8L-FRWA-DRDM-UNV-1/840	3113 lm	28.7 W	108.5 lm/W	-20°C / 35°C	2-F32T8	*
8000 Lumens (Nominal)	LST050-8-8L-FRWA-DRDM-UNV-1/840	6219 lm	61.4 W	101.3 lm/W	-20°C / 35°C	4-F32T8, 2-F54T5HO	LA-T3482
12000 Lumens (Nominal)	LST050-12-8L-FRWA-DRDM-UNV-1/840	9240 lm	104.6 W	88.4 lm/W	-20°C / 35°C	6-F32T8	*
16000 Lumens (Nominal)	LST050-16-8L-FRWA-DRDM-UNV-1/840	12228 lm	103.3 W	118.4 lm/W	-20°C / 35°C	8-F32T8, 4-F54T5HO	*

LED LUMEN PACKAGE	NORMAL AMBIENT TEMPERATURE (HIGH EFFICACY) PRODUCT CODE	DELIVERED LUMENS	SYSTEM WATTS	LUMINAIRE EFFICACY	AMBIENT TEMP.	FLUORESCENT EQUIVALENT	IES FILES
4000 Lumens (Nominal)	LST050-4HE-8L-FRWA-DRDM-UNV-1/840	3055 lm	22.5 W	135.9 lm/W	-20°C / 35°C	2-F32T8, 1-F54T5HO	*
8000 Lumens (Nominal)	LST050-8HE-8L-FRWA-DRDM-UNV-1/840	6035 lm	46.4 W	130.2 lm/W	-20°C / 35°C	4-F32T8, 2-F54T5HO	*
12000 Lumens (Nominal)	LST050-12HE-8L-FRWA-DRDM-UNV-1/840	9117 lm	73.7 W	123.8 lm/W	-20°C / 35°C	6-F32T8	*

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.

PERFORMANCE DATA

VIEW PHOTOMETRICS

Los Angeles Lighting Mfg. Co.
Headquarters
10141 Olney Street
El Monte, CA 91731
Made in the USA

Contact Us
T: 626-454-8300
F: 626-454-8399
www.lalighting.com

MADE IN THE U.S.A.

Revised 08-02-19
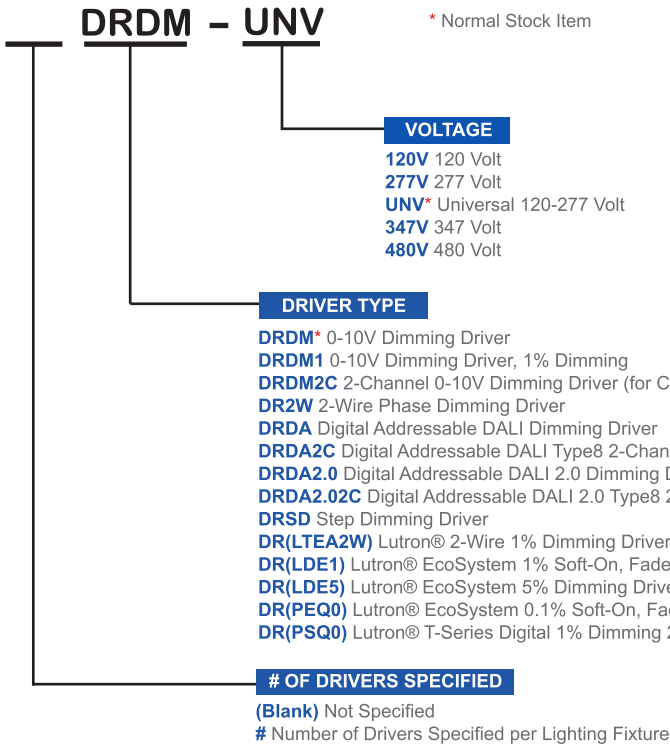**WARNING**

SENSOR OPTIONS

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
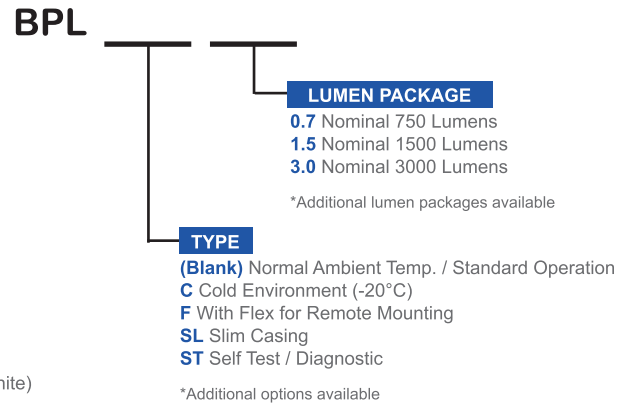• Mounting position: At the ceiling, close to ambient light source

DRIVER OPTIONS

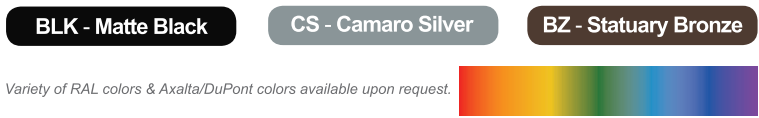**PLEASE CONSULT FACTORY TO SEE IF YOUR SELECTED DRIVER OPTION WORKS WITH THIS FIXTURE.**

___ DRDM – UNV   * Normal Stock Item

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

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 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(PEQ0) Lutron® EcoSystem 0.1% Soft-On, Fade-to-Black Dimming Driver
DR(PSQ0) Lutron® T-Series Digital 1% Dimming 2-Channel Driver (for Color Tunable White)

 # OF DRIVERS SPECIFIED
(Blank) Not Specified
Number of Drivers Specified per Lighting Fixture

BATTERY PACK OPTIONS

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

BPL ___ ___

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

*Additional options available

CUSTOM COLORS

BLK - Matte Black   **CS - Camaro Silver**   **BZ - Statuary Bronze**

Variety of RAL colors & Axalta/DuPont colors available upon request.

ACCESSORIES

CANOPY / CABLE SUSPENSION SYSTEM

• Self-locking, one-step adjustable suspension device with canopies
• Provides a full circumferential 360° swivel action
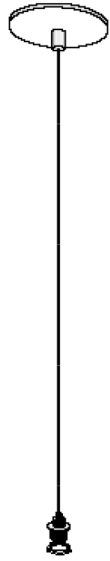
433B
• Blank canopy with cable
• No power cord
• Cable length 48" and 96"
• Max. weight 196 lbs. per set

433B - 48 W

COLOR
W White Standard
B Black

CABLE LENGTH
48" and **96"** Standard
(other lengths as specified)

444F
• Feed-in canopy with straight cord
• Includes power cord
• Cable length 48" and 96"
• Max. weight 196 lbs. per set

444F-48SW-2C

OF CIRCUIT
2C Two Circuits
LV 0-10V Dimming
Leave blank for one circuit

COLOR
W White Standard
B Black

CORD TYPE
S Straight Cord

CABLE LENGTH
48" and **96"** Standard
(other lengths as specified)

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.
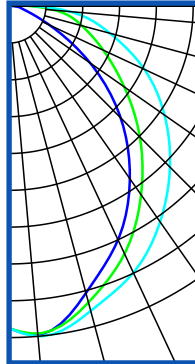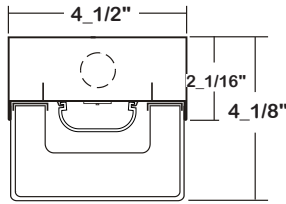Please visit our website to view the most current information.

MADE IN THE U.S.A.

Revised 08-02-19
WARNING

PHOTOMETRIC DATA - LST050_8FT SERIES

LST050-8-8L-FRWA-DRDM-UNV-1/840

TEST NO.=LA-T3482
LED TYPE= 48 LED MODULE
NO. OF MODULE=4
SYSTEM WATT (W)=61.4
CRI=>80
L70(Hrs.)=50,000
PHOTOMETRY TYPE=C

4_1/2"
2_1/16"
4_1/8"

CANDLEPOWER

ANGLE	END	45	CROSS
0	2277	2277	2277
5	2327	2319	2339
15	2083	2155	2219
25	1805	1915	2066
35	1467	1608	1845
45	1089	1287	1591
55	667	972	1323
65	279	715	1036
75	102	516	720
85	53	314	415
90	23	154	193
95	16	66	54
105	10	46	21
115	6	26	13
125	3	12	7
135	1	6	4
145	0	3	2
155	0	1	1
165	0	0	1
175	0	0	0
180	0	0	0

ZONAL LUMEN SUMMARY

DEGREES	LUMENS	% LAMP	% FIXTURE
0-30	1723	21	28
0-40	2748	33	44
0-60	4648	56	75
0-90	6079	74	98
90-120	127	2	2
90-150	140	2	2
90-180	140	2	2
0-180	6219	75	100

Luminaire Output = 6219.2 lumens
Luminaire Efficacy = 101.3 lm/W
Luminaire Efficiency = 75.44%

SPACING CRITERION

ALONG	ACROSS
1.09	1.27

LOS ANGELES LIGHTING MFG. CO.

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

LST050_8FT