ARCHITECTURAL LED
LST050 (4FT) SERIES (8' AVAILABLE)
LOUVERED STACK BAFFLED LUMINAIRE
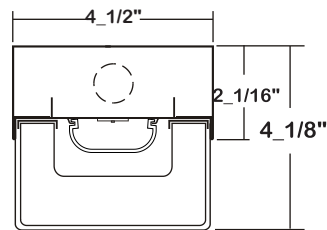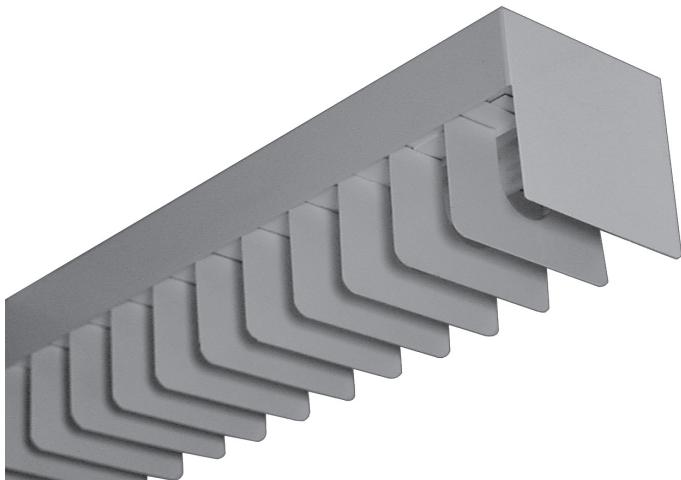
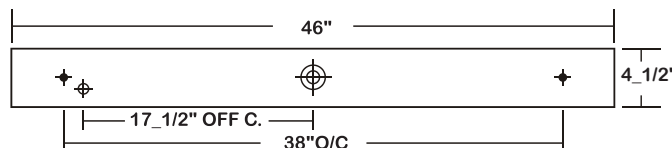LA LIGHTING

| DATE | |
| JOB | |

WWW.LALIGHTING.COM
626-454-8300

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.

46"
4_1/2"
17_1/2" OFF C.
38"O/C

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

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

ORDERING INFORMATION

EXAMPLE: LST050-6-4L-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			**4L**		**FRWA**		**DRDM**	**UNV**	**1**	
LST050 Rectangular Louvered Stack Baffled LED Luminaire	**2** Nom. 2000 Lumens **4** Nom. 4000 Lumens **6** Nom. 6000 Lumens **8** Nom. 8000 Lumens *Additional Lumen Packages Available	**(Blank)** Standard **HE** High Efficacy (Only 2000 / 4000 / 6000 lumens Systems)	**4L** 4'	**(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
2000 Lumens (Nominal)	LST050-2-4L-FRWA-DRDM-UNV-1/840	1691 lm	15.8 W	107.2 lm/W	-20°C / 35°C	1-F32T8	*
4000 Lumens (Nominal)	LST050-4-4L-FRWA-DRDM-UNV-1/840	3229 lm	31.2 W	103.5 lm/W	-20°C / 35°C	2-F32T8, 1-F54T5HO	LA-T3481
6000 Lumens (Nominal)	LST050-6-4L-FRWA-DRDM-UNV-1/840	4616 lm	52.4 W	88.2 lm/W	-20°C / 35°C	3-F32T8	*
8000 Lumens (Nominal)	LST050-8-4L-FRWA-DRDM-UNV-1/840	6242 lm	52.9 W	117.9 lm/W	-20°C / 35°C	4-F32T8, 2-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)	LST050-2HE-4L-FRWA-DRDM-UNV-1/840	1696 lm	12.6 W	134.7 lm/W	-20°C / 35°C	1-F32T8	*
4000 Lumens (Nominal)	LST050-4HE-4L-FRWA-DRDM-UNV-1/840	3015 lm	23.2 W	130.1 lm/W	-20°C / 35°C	2-F32T8, 1-F54T5HO	*
6000 Lumens (Nominal)	LST050-6HE-4L-FRWA-DRDM-UNV-1/840	4555 lm	36.8 W	123.7 lm/W	-20°C / 35°C	3-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

MADE IN USA · cULus · RoHS COMPLIANT · Tunable White

MADE IN THE U.S.A.

Revised 08-02-19
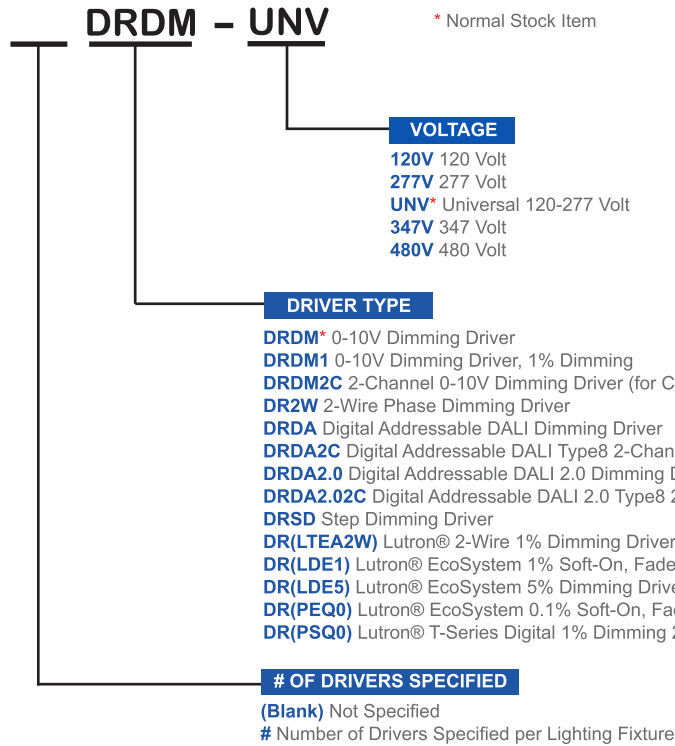**WARNING**

SENSOR OPTIONS

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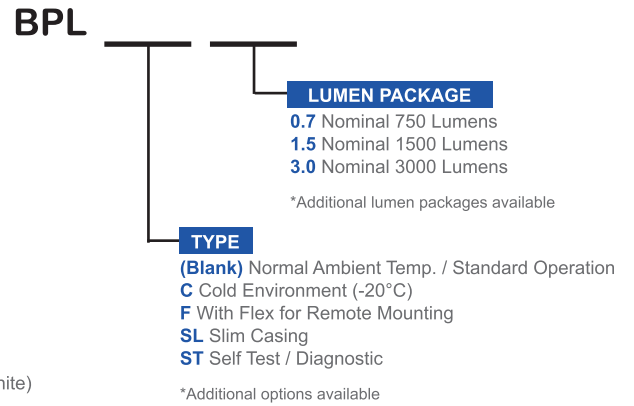• Mounting position: At the ceiling, close to ambient light source

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.

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

Contact Us
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www.lalighting.com

MADE IN THE U.S.A.

Revised 08-02-19
WARNING

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.
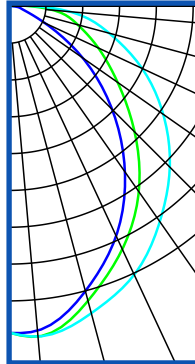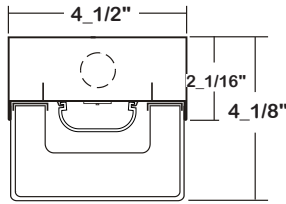
MADE IN THE U.S.A.

Revised 08-02-19
WARNING

PHOTOMETRIC DATA - LST050_4FT SERIES

LST050-4-4L-FRWA-DRDM-UNV-1/840

TEST NO.=LA-T3481
LED TYPE= 48 LED MODULE
NO. OF MODULE=2
SYSTEM WATT (W)=31.2
CRI=>80
L70(Hrs.)=50,000
PHOTOMETRY TYPE=C

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

CANDLEPOWER

ANGLE	END	45	CROSS
0	1227	1227	1227
5	1221	1244	1245
15	1102	1140	1190
25	945	1000	1108
35	749	842	981
45	536	657	847
55	323	489	699
65	130	362	543
75	50	260	381
85	27	161	222
90	11	80	104
95	8	37	29
105	6	26	12
115	3	15	7
125	2	7	4
135	1	4	2
145	0	2	1
155	0	1	1
165	0	0	0
175	0	0	0
180	0	0	0

ZONAL LUMEN SUMMARY

DEGREES	LUMENS	% LAMP	% FIXTURE
0-30	911	21	28
0-40	1447	34	45
0-60	2418	56	75
0-90	3151	74	98
90-120	70	2	2
90-150	77	2	2
90-180	77	2	2
0-180	3229	75	100

Luminaire Output = 3228.8 lumens
Luminaire Efficacy = 103.5 lm/W
Luminaire Efficiency = 75.37%

SPACING CRITERION

ALONG	ACROSS
1.05	1.26

LST050_4FT