



ARCHITECTURAL

LST050

SERIES 4FT, 8FT
@ 4 1/2" WIDE RECTANGULAR BAFFLED LUMINAIRE



JOB

TYPE

DATE

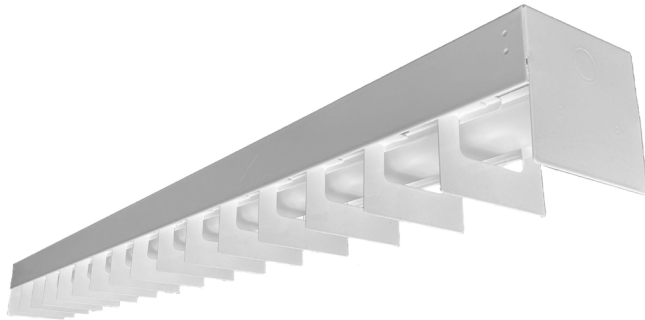
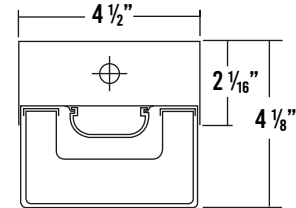
WWW.LALIGHTING.COM

TEL: 626-454-8300

SURFACE / PENDANT MOUNTED LED LUMINAIRE

DIMENSIONS

CROSS SECTION

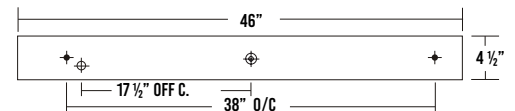


2" K.O.

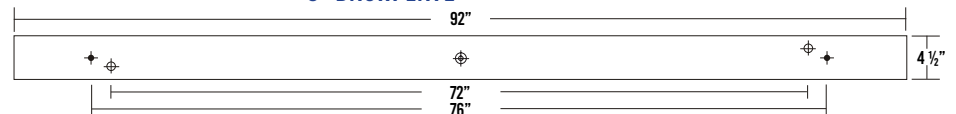
7/8" K.O.

1 1/16" STEM MOUNTING K.O.

4' BACKPLATE



8' BACKPLATE



SPECIFICATIONS

CONSTRUCTION

- 20 gauge cold-rolled steel housing and end caps
- 20 gauge cold-rolled steel louver blade and rails

FINISH

- Baked white powder-coated finish
- Painted after fabrication
- Minimum reflectance 90%

OPTICAL

- Flat white acrylic

ELECTRICAL

- High-efficiency drivers coupled with long-life LEDs
- Service life tested at 50,000 hours (L70)
- Universal voltage 120V through 277V (347V / 480V available)
- Power Factor (PF) ≥ 0.9
- Total Harmonic Distortion (THD) $\leq 20\%$

LISTING

- UL USA and Canada listed / suitable for damp locations

WARRANTY

- 5-Year limited warranty standard. 10-Year limited warranty also available

APPLICATIONS

Library, Corridor, Task Lighting, Retail, Commercial

FEATURES

- Row Mountable
- 0-10V Dimming driver standard
- Supports California Title 24 compliance

OPTIONS CONTACT CUSTOMER SERVICE FOR ADDITIONAL OPTIONS

- Controls
- Variety of lenses
- Custom housing colors
- Emergency battery pack
- Tunable white (2700K-6500K)
- Customization available upon request
- Cable suspension systems

CUSTOM COLORS

BLK - Matte Black

CS - Camaro Silver

BZ - Statuary Bronze

Variety of RAL colors available upon request.

Los Angeles Lighting Mfg. Co.

Contact Us
T: 626-454-8300
F: 626-454-8399
www.lalighting.com10141 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.

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Revised: 10/19/2022



ORDERING INFORMATION

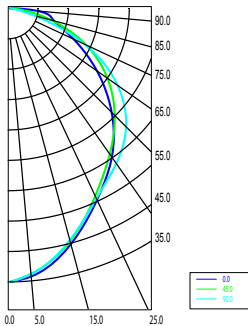
ADDITIONAL OPTIONS AVAILABLE. VISIT WWW.LALIGHTING.COM/RESOURCES FOR MORE INFORMATION

EXAMPLE: LST050-4-4L-FRWA-BPL1.5-DRDM-UNV-1/840

SERIES	NOMINAL LED LUMENS	NOMINAL LENGTH	COLOR	OPTICAL	CONTROLS	ELECTRICAL	DRIVER	VOLTAGE	# OF LED ROWS	CRI / CCT
LST050							DRDM	UNV	1	
LST050 • 4½" Wide Rectangular Baffled Luminaire	2 - 2000lm 4 - 4000lm 6 - 6000lm 8 - 8000lm High Efficacy 2HE - 2000lm 4HE - 4000lm 6HE - 6000lm	4L • 4'	(Blank) • Standard White BLK • Matte Black BZ • Statuary Bronze CS • Camaro Silver	FRWA • Frosted White Acrylic	MSxx • Motion Sensor WLC(xx) • Wireless Control	BPL1.5 • Emergency Battery Pack 1500 lm *Leave blank if not specified	DRDM • 0-10V Dimming Driver	UNV • 120V-277V	1 • 1 LED Row	830 • 80+CRI / 3000K 835 • 80+CRI / 3500K 840 • 80+CRI / 4000K 850 • 80+CRI / 5000K 8TW • 80+CRI Tunable White 2700K-6500K Contact customer service for additional CRI / CCT packages, including 90CRI
	4 - 4000lm 8 - 8000lm 12 - 12000lm 16 - 16000lm High Efficacy 4HE - 4000lm 8HE - 8000lm 12HE - 12000lm	8L • 8'								

Standard options for LST050 shown above. For additional options, including lumen packages, controls, lenses, switches, finishes, and more, visit www.lalighting.com/resources or contact customer service.

PHOTOMETRIC DATA



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

TEST NO. = LA-T3481
 LED TYPE = 48 LED MODULE
 NO. OF MODULE = 1
 SYSTEM WATT (W) = 31.2
 CRI ≥ 80
 L70(Hrs.) ≥ 50,000
 PHOTOMETRY TYPE = C

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
90-180	77	2	2
0-180	3229	75	100

SPACING CRITERION

ALONG	ACROSS
1.05	1.26

Luminaire Output = 3228.8 lumens
 Luminaire Efficacy = 103.5 lm/W
 Luminaire Efficiency = 75.4%



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SYSTEM DATA

ADDITIONAL LUMEN PACKAGES AVAILABLE. CONTACT CUSTOMER SERVICE FOR MORE INFORMATION

4' - 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	15.8	107.2 lm/W	-20°C / 35°C (-4°F / 95°F)	1-F32T8	*
4000 Lumens (Nominal)	LST050-4-4L-FRWA-DRDM-UNV-1/840	3229	31.2	103.5 lm/W	-20°C / 35°C (-4°F / 95°F)	2-F32T8 1-F54T5HO	LA-T3481
6000 Lumens (Nominal)	LST050-6-4L-FRWA-DRDM-UNV-1/840	4616	52.4	88.2 lm/W	-20°C / 35°C (-4°F / 95°F)	3-F32T8	*
8000 Lumens (Nominal)	LST050-8-4L-FRWA-DRDM-UNV-1/840	6242	52.9	117.9 lm/W	-20°C / 35°C (-4°F / 95°F)	4-F32T8 2-F54T5HO	*
4' - 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	12.6	134.7 lm/W	-20°C / 35°C (-4°F / 95°F)	1-F17T8	*
4000 Lumens (Nominal)	LST050-4HE-4L-FRWA-DRDM-UNV-1/840	3015	23.2	130.1 lm/W	-20°C / 35°C (-4°F / 95°F)	2-F17T8 1-F24T5HO	*
6000 Lumens (Nominal)	LST050-6HE-4L-FRWA-DRDM-UNV-1/840	4555	36.8	123.7 lm/W	-20°C / 35°C (-4°F / 95°F)	3-F32T8	*
8' - 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	28.7	108.5 lm/W	-20°C / 35°C (-4°F / 95°F)	2-F32T8	*
8000 Lumens (Nominal)	LST050-8-8L-FRWA-DRDM-UNV-1/840	6219	61.4	101.3 lm/W	-20°C / 35°C (-4°F / 95°F)	4-F32T8 2-F54T5HO	LA-T3482
12000 Lumens (Nominal)	LST050-12-8L-FRWA-DRDM-UNV-1/840	9240	104.6	88.4 lm/W	-20°C / 35°C (-4°F / 95°F)	6-F32T8	*
16000 Lumens (Nominal)	LST050-16-8L-FRWA-DRDM-UNV-1/840	12228	103.3	118.4 lm/W	-20°C / 35°C (-4°F / 95°F)	8-F32T8 4-F54T5HO	*
8' - 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	22.5	135.9 lm/W	-20°C / 35°C (-4°F / 95°F)	2-F32T8 1-F54T5HO	*
8000 Lumens (Nominal)	LST050-8HE-8L-FRWA-DRDM-UNV-1/840	6035	46.4	130.2 lm/W	-20°C / 35°C (-4°F / 95°F)	4-F32T8 2-F54T5HO	*
12000 Lumens (Nominal)	LST050-12HE-8L-FRWA-DRDM-UNV-1/840	9117	73.7	123.8 lm/W	-20°C / 35°C (-4°F / 95°F)	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.



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