



STRIP LIGHT

LED

STR 100 (8FT)

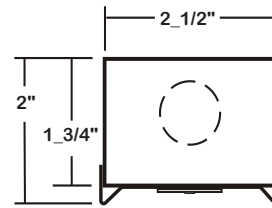
SERIES (2' AND 4' AVAILABLE)
2_1/2" WIDE OPEN STRIP CHANNEL LUMINAIRE

DATE	
JOB	

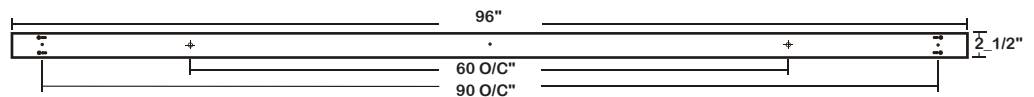
WWW.LALIGHTING.COM
626-454-8300

SURFACE / SUSPENSION MOUNTED LED LUMINAIRE

DIMENSIONS



- 3/16" MTG. HOLE
- \varnothing 7/8" K.O.
- V-HOOK



APPLICATIONS

- Warehouse, Commercial, Back Lighting

FEATURES

- End plates may be used as channel couplings for continuous row mounting
- 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
- Controls and sensors available (See *SENSOR OPTIONS* for controls and sensors)
- Wireless control options available (See *SENSOR OPTIONS* for wireless controls)
- Emergency battery pack available (See *BATTERY PACK OPTIONS* for battery pack options)
- 24 ga. cold rolled steel reflector available (See *REFLECTOR* for reflector options)
- 14 ga. wire guard available (See *ACCESSORIES* for wire guard options)
- Cable suspension systems available (See *ACCESSORIES* for suspension options)
- Chain mount available
- Plug in wire system available
- Painted after fabrication available
- Tunable white available (2700K-6500K)

SPECIFICATIONS

CONSTRUCTION

- 22 ga. cold rolled steel housing
- End plates fastened to housing by sheet metal screws to assure rigidity

FINISH

- Baked white polyester finish / minimum reflectance 86%

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) \geq 0.9
- Total Harmonic Distortion (THD) \leq 20%

LISTING

- UL USA and Canada listed / suitable for dry locations

WARRANTY

- 5-year limited warranty



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Revised 04-16-19

WARNING

ORDERING INFORMATION

EXAMPLE: STR100-8-8L-BPL10-DRDM-UNV-1/840

SERIES	LED LUMEN PACKAGE	EFFICACY	NOMINAL LENGTH	REFLECTOR	MECHANICAL	ELECTRICAL	DRIVER	VOLTAGE	# OF LED ROW	CRI / CCT
STR100			8L				DRDM	UNV	1	
STR100 2_1/2" Wide Open Strip Channel 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	8L 8'	RA 3-Bend Asymmetrical RB 90° 1-Bend Asymmetrical RC 45° 1-Bend Asymmetrical RD 2-Bend Asymmetrical 2RC 45° Symmetrical See REFLECTOR for Options	PAF Painted After Fabrication *Leave Blank if Not Specified	BPL10 Emergency Battery Pack, Constant 10W Nom. 1500 lm See BATTERY PACK OPTIONS for Options MSxx Motion Sensor WLC(LED RU) EnOcean Wireless Control See SENSOR OPTIONS for Options *Leave Blank if Not Specified <i>Additional Electrical Options</i>	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)	STR100-4-8L-DRDM-UNV-1/840	4308 lm	33.1 W	130.2 lm/W	-20°C / 35°C	2-F32T8	LA-T2494
8000 Lumens (Nominal)	STR100-8-8L-DRDM-UNV-1/840	8100 lm	67.4 W	120.2 lm/W	-20°C / 35°C	4-F32T8, 2-F54T5HO	LA-T2495
12000 Lumens (Nominal)	STR100-12-8L-DRDM-UNV-1/840	12099 lm	99.5 W	121.6 lm/W	-20°C / 35°C	6-F32T8	LA-T2496
16000 Lumens (Nominal)	STR100-16-8L-DRDM-UNV-1/840	16243 lm	133.2 W	121.9 lm/W	-20°C / 35°C	8-F32T8, 4-F54T5HO	LA-T2497

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)	STR100-4HE-8L-DRDM-UNV-1/840	*	*	*	-20°C / 35°C	2-F32T8	*
8000 Lumens (Nominal)	STR100-8HE-8L-DRDM-UNV-1/840	*	*	*	-20°C / 35°C	4-F32T8, 2-F54T5HO	*
12000 Lumens (Nominal)	STR100-12HE-8L-DRDM-UNV-1/840	*	*	*	-20°C / 35°C	6-F32T8	*
16000 Lumens (Nominal)	STR100-16HE-8L-DRDM-UNV-1/840	*	*	*	-20°C / 35°C	8-F32T8, 4-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.

PERFORMANCE DATA

[VIEW PHOTOMETRICS](#)



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SENSOR OPTIONS**DRY AND DAMP LOCATIONS - HIGH / LOW AISLE MOUNTING APPLICATIONS - END MOUNT****MS - Motion Sensor**

- Turns light ON/OFF based on motion detection
- Fixture mounting height 8-45'
- Universal Voltage (120V-277V)
- 480V available

MSSD - Motion Sensor – Step Dimming

- Step-dims light to desired preset level (based on motion detection)
- Used in conjunction with 0-10V Ballast/Driver
- Fixture mounting height 8-45'
- Universal Voltage (120V-277V)

MSPC - Motion Sensor & Photocell

- Holds lights OFF when sufficient daylight is present regardless of motion detection
- Fixture mounting height 8-45'
- Universal Voltage (120V-277V)

MSPCD(ADC) - Motion Sensor & PhotoCell Dimming (Auto Dim Control)

- Variably dims output to desired preset footcandle level through photocell ON/OFF with motion detection
- Used in conjunction with 0-10V Ballast/Driver
- Fixture mounting height 8-45'
- Universal Voltage (120V-277V)

MSPCD(ANL) - Motion Sensor & Photocell Dimming (Auto Night Light)

- Variably dims output to desired footcandles through photocell
- Low setting when unoccupied (full on with motion)
- For 24 hour use
- Used in conjunction with 0-10V Ballast/Driver
- Fixture mounting height 8-45'
- Universal Voltage (120V-277V)

MSPCDR - Motion Sensor & Photocell Dimming (Setup with Remote Control)

- Field adjustable dimming sensor capabilities:
 - Step Dim (HIGH/LOW output)
 - Auto Dim Control (dim to desired footcandles, ON/OFF with motion)
 - Auto Night Light (dim to desired footcandles, LOW without motion)
- Used in conjunction with 0-10V dimming Ballast /Driver
- Holds lights OFF when sufficient daylight is present regardless of motion detection
- Adjustable ramp up and fade down time
- Fixture mounting height 8-40'
- Universal Voltage (120V-277V)
- Remote setup and adjustment with handheld wireless tool (sold separately)

PCS - Photocell Sensor

- Turns light ON/OFF based on light levels
- Fixture mounting height 8-45'
- Universal Voltage (120V-277V)

PCD - Photocell Dimming

- Dims output to desired footcandles through photocell
- Used in conjunction with 0-10V Ballast/Driver
- Fixture mounting height 8-45'
- Universal Voltage (120V-277V)

**CONTROLS AND SENSORS****WLC(LED RU) - 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

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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

OUTPUT WATTAGE

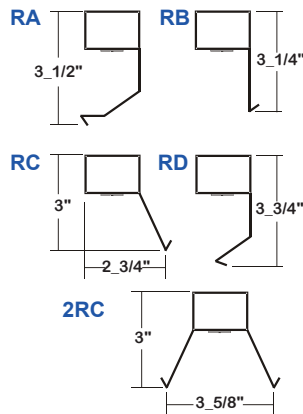
- 5 Constant 5W, Nominal 750 Lumens
- 10 Constant 10W, Nominal 1500 Lumens*
- 15 Constant 15W, Nominal 2250 Lumens
- 20 Constant 20W, Nominal 3000 Lumens

*Note: 10W standard when wattage is not specified

TYPE

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

REFLECTOR



RA

STYLE

- RA 3-bend asymmetrical reflector
- RB 90° 1-bend asymmetrical reflector
- RC 45° 1-bend asymmetrical reflector
- RD 2-bend asymmetrical reflector
- 2RC 45° symmetrical reflector

ACCESSORIES

WG14-STR100

- 14 Ga. Wire Guard
- Chrome epoxy powder coated finish

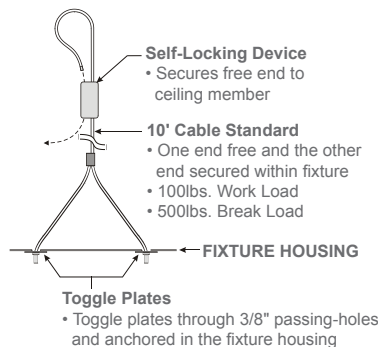
V4

- 4" Leg Height V-Hook
- Two (2) per fixture



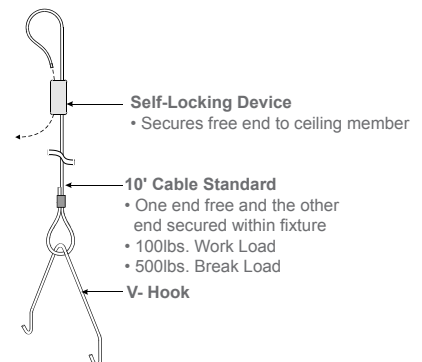
YTCS10

- Y-Toggle-End / Cable Suspension System



V4CS10

- V-Hook / Cable Suspension System
- Cable set with V4 hooks



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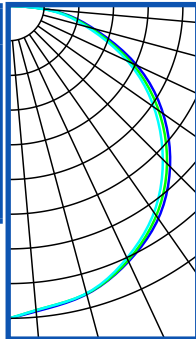
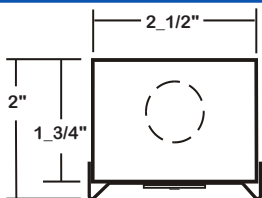
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WARNING

PHOTOMETRIC DATA - STR100_8FT

STR100-4-8L-DRDM-UNV-1SP/840

TEST NO.=LA-T2494
 LED TYPE= 24 LED MODULE
 NO. OF MODULE=4
 SYSTEM WATT (W)=33.1
 CRI=>80
 L70(Hrs.)=50,000
 PHOTOMETRY TYPE=C



CANDLEPOWER

ANGLE	END	45	CROSS
0	1355	1355	1355
5	1330	1325	1325
15	1295	1292	1291
25	1223	1218	1207
35	1126	1111	1094
45	986	967	941
55	814	791	765
65	611	586	566
75	377	361	346
85	159	151	146
90	15	15	14
95	0	0	0
105	0	0	0
115	0	0	0
125	0	0	0
135	0	0	0
145	0	0	0
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	1056	24.5	24.5
0-40	1754	40.7	40.7
0-60	3211	74.5	74.5
0-90	4304	99.9	99.9
90-120	4	0.1	0.1
90-150	4	0.1	0.1
90-180	4	0.1	0.1
0-180	4308	100.0	100.0

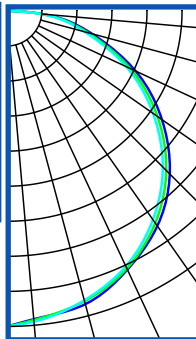
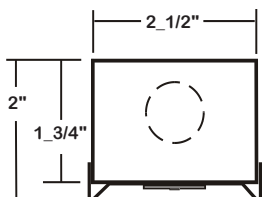
Luminaire Output= 4308 lumens
 Luminaire Efficiency = 100.0%

SPACING CRITERION

ALONG	ACROSS
1.29	1.26

STR100-8-8L-DRDM-UNV-1SP/840

TEST NO.=LA-T2495
 LED TYPE= 32 LED MODULE
 NO. OF MODULE=4
 SYSTEM WATT (W)=67.4
 CRI=>80
 L70(Hrs.)=50,000
 PHOTOMETRY TYPE=C



CANDLEPOWER

ANGLE	END	45	CROSS
0	2544	2544	2544
5	2495	2502	2516
15	2448	2423	2415
25	2301	2292	2272
35	2117	2088	2054
45	1859	1819	1780
55	1528	1484	1440
65	1146	1102	1063
75	711	678	649
85	299	286	273
90	29	28	26
95	0	0	0
105	0	0	0
115	0	0	0
125	0	0	0
135	0	0	0
145	0	0	0
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	1987	24.5	24.5
0-40	3298	40.7	40.7
0-60	6038	74.5	74.5
0-90	8092	99.9	99.9
90-120	8	0.1	0.1
90-150	8	0.1	0.1
90-180	8	0.1	0.1
0-180	8100	100.0	100.0

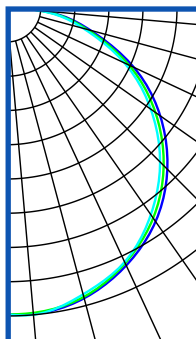
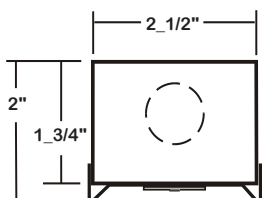
Luminaire Output= 8100 lumens
 Luminaire Efficiency = 100.0%

SPACING CRITERION

ALONG	ACROSS
1.29	1.26

STR100-12-8L-DRDM-UNV-1SP/840

TEST NO.=LA-T2496
 LED TYPE= 48 LED MODULE
 NO. OF MODULE=4
 SYSTEM WATT (W)=99.5
 CRI=>80
 L70(Hrs.)=50,000
 PHOTOMETRY TYPE=C



CANDLEPOWER

ANGLE	END	45	CROSS
0	3725	3725	3725
5	3734	3721	3743
15	3652	3636	3604
25	3453	3422	3408
35	3170	3118	3068
45	2774	2711	2649
55	2288	2217	2148
65	1713	1647	1588
75	1057	1013	969
85	448	426	410
90	42	41	38
95	0	0	0
105	0	0	0
115	0	0	0
125	0	0	0
135	0	0	0
145	0	0	0
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	2972	24.6	24.6
0-40	4931	40.7	40.8
0-60	9020	74.5	74.5
0-90	12088	99.9	99.9
90-120	11	0.1	0.1
90-150	11	0.1	0.1
90-180	11	0.1	0.1
0-180	12099	100.0	100.0

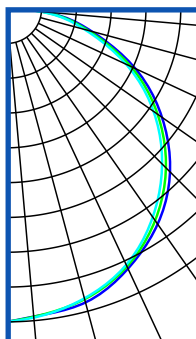
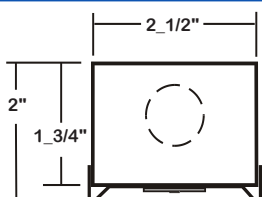
Luminaire Output= 12075 lumens
 Luminaire Efficiency = 100.0%

SPACING CRITERION

ALONG	ACROSS
1.31	1.29

STR100-16-8L-DRDM-UNV-1S/840

TEST NO.=LA-T2497
 LED TYPE= 72 LED MODULE
 NO. OF MODULE=4
 SYSTEM WATT (W)=133.2
 CRI=>80
 L70(Hrs.)=50,000
 PHOTOMETRY TYPE=C



CANDLEPOWER

ANGLE	END	45	CROSS
0	5063	5063	5063
5	4997	5000	5014
15	4918	4863	4849
25	4637	4599	4570
35	4253	4181	4114
45	3732	3639	3551
55	3064	2977	2898
65	2294	2213	2131
75	1421	1359	1305
85	604	571	547
90	59	55	52
95	0	0	0
105	0	0	0
115	0	0	0
125	0	0	0
135	0	0	0
145	0	0	0
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	3989	24.6	24.6
0-40	6616	40.7	40.7
0-60	12108	74.5	74.5
0-90	16228	99.9	99.9
90-120	15	0.1	0.1
90-150	15	0.1	0.1
90-180	15	0.1	0.1
0-180	16243	100.0	100.0

Luminaire Output= 16243 lumens
 Luminaire Efficiency = 100.0%

SPACING CRITERION

ALONG	ACROSS
1.30	1.27

