STRIP LIGHT LED

STR220 (2FT) SERIES (4' AND 8' AVAILABLE)

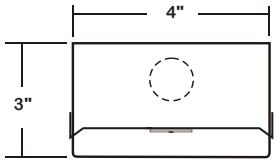
4" WIDE OPEN STRIP CHANNEL LUMINAIRE

DATE	
JOB	

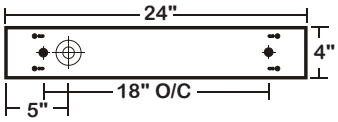
WWW.LALIGHTING.COM
626-454-8300

SURFACE / SUSPENSION MOUNTED LED LUMINAIRE

DIMENSIONS



11/16" STEM MTG. K.O. 7/8" OFFSET K.O. 2" K.O. V-HOOK



APPLICATIONS

- Warehouse, Industrial, Commercial

FEATURES

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

OPTIONS

- Full customization available upon request
- Additional lumen packages and color temperatures available
- Controls and sensors available
- Wireless control options available
- Emergency battery pack available
- 10 kV surge protector
- 14 ga. wire guard available
- Cable suspension systems available
- Chain mount coupling available
- 20 ga. housing 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) ≥ 0.9
- Total Harmonic Distortion (THD) ≤ 20%

LISTING

- UL USA and Canada listed / suitable for dry locations

WARRANTY

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

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.

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Revised: 10/8/2025

MADE IN THE USA
BABA/BAA Compliant

ORDERING INFORMATION

EXAMPLE: STR220-4-2L-BPL1.5-DRDM-UNV-1/840

SERIES	LED LUMEN PACKAGE	EFFICACY	NOMINAL LENGTH	MECHANICAL	ELECTRICAL	DRIVER	VOLTAGE	# OF LED ROW	CRI / CCT
STR220			**2L**					**1**	
STR220 4" Wide Open Strip Channel LED Luminaire	**1** Nom. 1000 Lumens **2** Nom. 2000 Lumens **3** Nom. 3000 Lumens **4** Nom. 4000 Lumens *Additional Lumen Packages Available	**(Blank)** Standard **HE** High Efficacy	**2L** 2'	**PAF** Painted After Fabrication **20G** 20 ga. Cold Rolled Steel Housing *Leave Blank if Not Specified	**BPL1.5** 1500lm Emergency Battery Pack **SP10** 10 kV Surge Protector **MSxx** Motion Sensor **WLC(LEDRU)** EnOcean Wireless Control *Leave Blank if Not Specified	**DRDM** 0-10V Dimming Driver	**UNV** 120V-277V	**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

Standard options for STR220 shown above. For additional options, including lumen packages, controls, lenses, switches, finishes, and more, visit www.lalighting.com/resources or contact customer service.

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
1000 Lumens (Nominal)	STR220-1-2L-DRDM-UNV-1/840	1076 lm	8.9 W	120.9 lm/W	-20°C / 35°C	1-F17T8	LA-T2696
2000 Lumens (Nominal)	STR220-2-2L-DRDM-UNV-1/840	2037 lm	18.8 W	108.4 lm/W	-20°C / 35°C	2-F17T8, 1-F24T5HO	LA-T2697
4000 Lumens (Nominal)	STR220-4-2L-DRDM-UNV-1/840	4050 lm	36.1 W	112.2 lm/W	-20°C / 35°C	4-F17T8, 2-F24T5HO	LA-T2698

LED LUMEN PACKAGE	NORMAL AMBIENT TEMPERATURE (HIGH EFFICACY) PRODUCT CODE	DELIVERED LUMENS	SYSTEM WATTS	LUMINAIRE EFFICACY	AMBIENT TEMP.	FLUORESCENT EQUIVALENT	IES FILES
1000 Lumens (Nominal)	STR220-1HE-2L-DRDM-UNV-1/840	*	*	*	-20°C / 35°C	1-F17T8	*
2000 Lumens (Nominal)	STR220-2HE-2L-DRDM-UNV-1/840	*	*	*	-20°C / 35°C	2-F17T8, 1-F24T5HO	*
4000 Lumens (Nominal)	STR220-4HE-2L-DRDM-UNV-1/840	*	*	*	-20°C / 35°C	4-F17T8, 2-F24T5HO	*

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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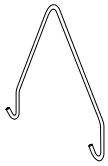
ACCESSORIES

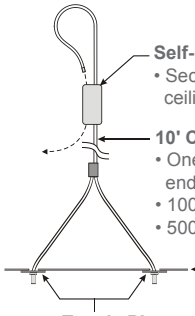
V4
- 4" Leg Height V-Hook
- Two (2) per fixture



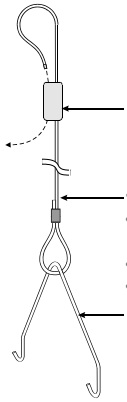
CMC-245
- Chain mount coupling with Lift-Up tabs for installation of V-Hooks when chain mounted
- Baked white enamel finish

WG14-STR200
- 14 ga. Wire Guard
- Chrome epoxy powder coated finish

YTCS10
- Y-Toggle-End / Cable Suspension System



V4CS10
- V-Hook / Cable Suspension System
- Cable set with V4 hooks



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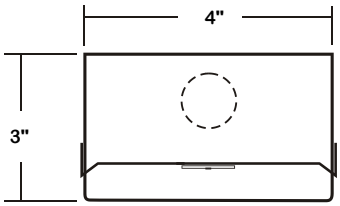
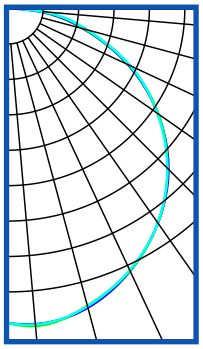
PHOTOMETRIC DATA - STR220 SERIES

STR220-1-2L-DRDM(ULT)-UNV-1/840(SAM)

TEST NO.=LA-T2696
LED TYPE= 24 LED MODULE
NO. OF MODULE=1
SYSTEM WATT (W)=8.9
CRI=>80
L70(Hrs.)=50,000
PHOTOMETRY TYPE=C





CANDLEPOWER

ANGLE	END	45	CROSS
0	337	337	337
5	339	342	340
15	332	330	309
25	310	310	280
35	281	281	242
45	244	242	196
55	196	197	145
65	142	144	88
75	84	86	37
85	32	36	4
90	3	4	0
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	270	25.0	25.1
0-40	446	41.4	41.5
0-60	810	75.2	75.3
0-90	1074	99.7	99.9
90-120	1	0.1	0.1
90-150	1	0.1	0.1
90-180	1	0.1	0.1
0-180	1076	99.9	100.0

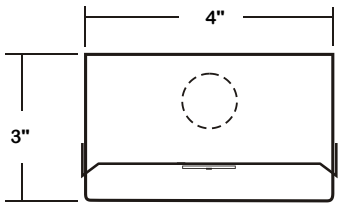
Luminaire Output= 1076 lumens
Luminaire Efficacy = 120.9 LPW

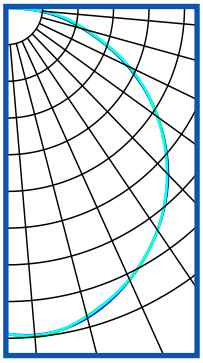
SPACING CRITERION

ALONG	ACROSS
1.30	1.30

STR220-2-2L-DRDM(ULT)-UNV-1/840(SAM)

TEST NO.=LA-T2697
LED TYPE= 32 LED MODULE
NO. OF MODULE=1
SYSTEM WATT (W)=18.8
CRI=>80
L70(Hrs.)=50,000
PHOTOMETRY TYPE=C





CANDLEPOWER

ANGLE	END	45	CROSS
0	638	638	638
5	643	647	644
15	628	625	626
25	588	587	586
35	531	531	531
45	461	459	458
55	372	373	371
65	270	273	274
75	160	164	168
85	61	68	71
90	5	8	7
95	0	1	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	511	25.0	25.1
0-40	844	41.4	41.4
0-60	1534	75.2	75.3
0-90	2035	99.7	99.9
90-120	3	0.1	0.1
90-150	3	0.1	0.1
90-180	3	0.1	0.1
0-180	2037	99.9	100.0

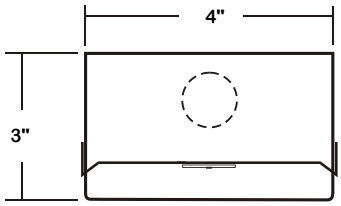
Luminaire Output= 2037 lumens
Luminaire Efficacy = 108.4 LPW

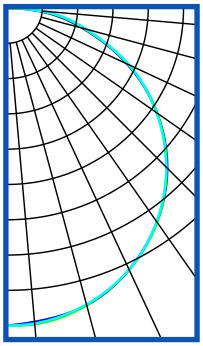
SPACING CRITERION

ALONG	ACROSS
1.30	1.30

STR220-4-2L-DRDM(ULT)-UNV-1/840(SAM)

TEST NO.=LA-T2698
LED TYPE= 72 LED MODULE
NO. OF MODULE=1
SYSTEM WATT (W)=36.1
CRI=>80
L70(Hrs.)=50,000
PHOTOMETRY TYPE=C





CANDLEPOWER

ANGLE	END	45	CROSS
0	1285	1285	1285
5	1275	1284	1281
15	1245	1245	1241
25	1169	1168	1168
35	1057	1059	1055
45	917	913	910
55	741	741	737
65	537	544	544
75	318	326	332
85	120	134	140
90	10	15	1
95	0	2	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	1016	25.0	25.1
0-40	1680	41.4	41.5
0-60	3051	75.2	75.3
0-90	4045	99.7	99.9
90-120	5	0.1	0.1
90-150	5	0.1	0.1
90-180	5	0.1	0.1
0-180	4050	99.9	100.0

Luminaire Output= 4050 lumens
Luminaire Efficacy = 112.2 LPW

SPACING CRITERION

ALONG	ACROSS
1.29	1.29