



STRIP LIGHT

LED

STR220 (8FT)

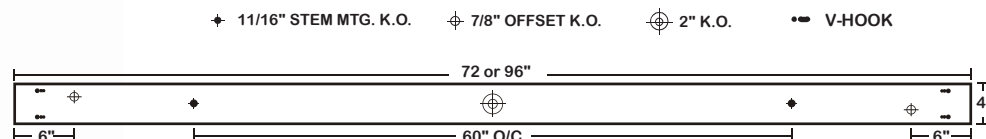
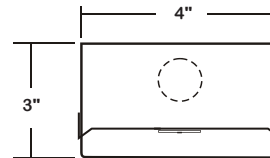
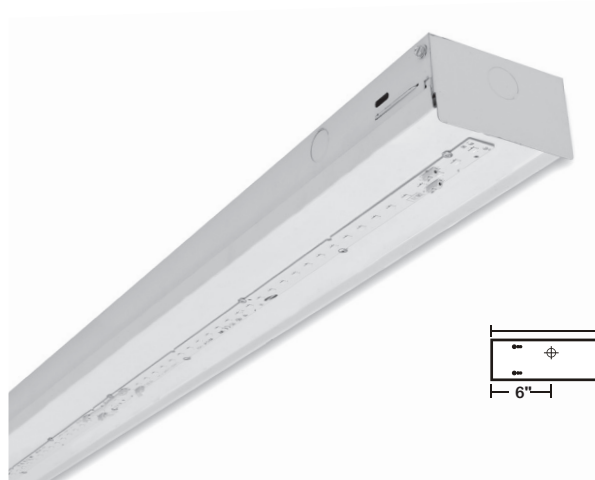
SERIES (2' AND 4' AVAILABLE)
4" WIDE OPEN STRIP CHANNEL LUMINAIRE

DATE	
JOB	

WWW.LALIGHTING.COM
626-454-8300

SURFACE / SUSPENSION MOUNTED LED LUMINAIRE

DIMENSIONS



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
- 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) $\leq 20\%$

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 10141 Olney Street
F: 626-454-8399 El Monte, CA 91731
www.lalighting.com 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: 07/11/23



ORDERING INFORMATION

EXAMPLE: STR220-4-8L-BPL1.5-DRDM-UNV-1/840

SERIES	LED LUMEN PACKAGE	EFFICACY	NOMINAL LENGTH	MECHANICAL	ELECTRICAL	DRIVER	VOLTAGE	# OF LED ROW	CRI / CCT
STR220			8L			DRDM	UNV	1	
STR220 4" 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'	PAF Painted After Fabrication 20G 20 ga. Cold Rolled Steel Housing *Leave Blank if Not Specified	BPL1.5 1500lm Emergency Battery Pack MSxx Motion Sensor WLC(LED RU) EnOcean Wireless Control *Leave Blank if Not Specified <u>Additional Electrical Options</u>	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
4000 Lumens (Nominal)	STR220-4-8L-DRDM-UNV-1/840	4307 lm	33.1 W	130.1 lm/W	-20°C / 35°C	2-F32T8	LA-T2703
8000 Lumens (Nominal)	STR220-8-8L-DRDM-UNV-1/840	8158 lm	68.1 W	119.8 lm/W	-20°C / 35°C	4-F32T8, 2-F54T5HO	LA-T2704
12000 Lumens (Nominal)	STR220-12-8L-DRDM-UNV-1/840	11942 lm	89.0 W	134.2 lm/W	-20°C / 35°C	6-F32T8	LA-T2705
16000 Lumens (Nominal)	STR220-16-8L-DRDM-UNV-1/840	16339 lm	135.6 W	120.5 lm/W	-20°C / 35°C	8-F32T8, 4-F54T5HO	LA-T2706

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)	STR220-4HE-8L-DRDM-UNV-1/840	*	*	*	-20°C / 35°C	2-F32T8	*
8000 Lumens (Nominal)	STR220-8HE-8L-DRDM-UNV-1/840	*	*	*	-20°C / 35°C	4-F32T8, 2-F54T5HO	*
12000 Lumens (Nominal)	STR220-12HE-8L-DRDM-UNV-1/840	*	*	*	-20°C / 35°C	6-F32T8	*
16000 Lumens (Nominal)	STR220-16HE-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.



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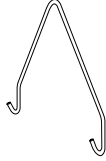
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ACCESSORIES

V4

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



CMC-245

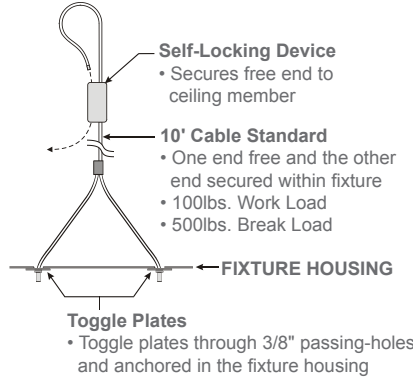
- Chain mount coupling with Lift-Up tabs for installation of V-Hooks when chain mounted
- Baked white enamel finish

WG14-STR200

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

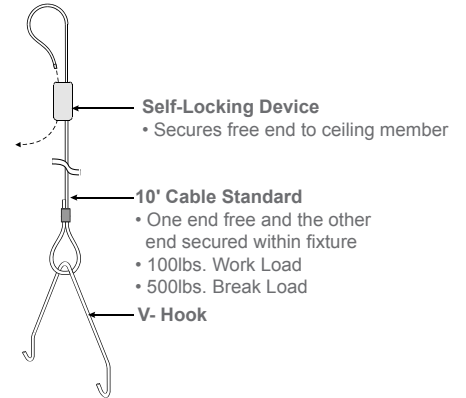
YTCS10

- Y-Toggle-End / Cable Suspension System



V4CS10

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



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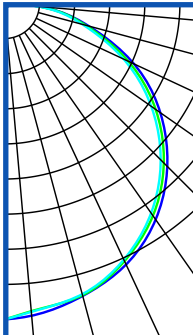
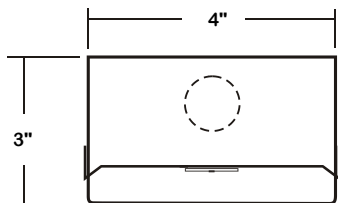


MADE IN THE USA
 BAA Compliant

PHOTOMETRIC DATA - STR220 SERIES

STR220-4-8L-DRDM(ULT)-UNV-1SP/840(SAM)

TEST NO.=LA-T2703
 LED TYPE= 24 LED MODULE
 NO. OF MODULE=4
 SYSTEM WATT (W)=31.1
 CRI=>80
 L70(Hrs.)=50,000
 PHOTOMETRY TYPE=C



CANDLEPOWER

ANGLE	END	45	CROSS
0	1353	1353	1353
5	1341	1322	1325
15	1296	1293	1288
25	1233	1217	1210
35	1129	1109	1095
45	986	965	946
55	815	791	768
65	613	586	564
75	374	360	346
85	153	151	146
90	14	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	1057	24.5	24.6
0-40	1755	40.7	40.8
0-60	3213	74.6	74.6
0-90	4303	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	4307	100.0	100.0

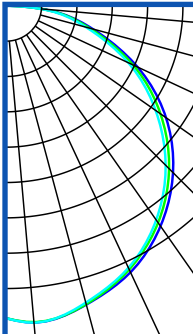
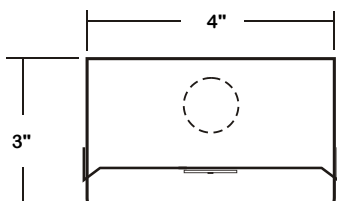
Luminaire Output= 4307 lumens
 Luminaire Efficacy = 130.1 LPW

SPACING CRITERION

ALONG	ACROSS
1.30	1.26

STR220-8-8L-DRDM(PHI)-UNV-1SP/840(SAM)

TEST NO.=LA-T2704
 LED TYPE= 32 LED MODULE
 NO. OF MODULE=4
 SYSTEM WATT (W)=68.1
 CRI=>80
 L70(Hrs.)=50,000
 PHOTOMETRY TYPE=C



CANDLEPOWER

ANGLE	END	45	CROSS
0	2480	2480	2480
5	2524	2520	2525
15	2455	2452	2439
25	2334	2309	2295
35	2135	2102	2075
45	1872	1828	1790
55	1548	1495	1448
65	1151	1111	1070
75	711	684	656
85	290	285	275
90	26	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	2005	24.6	24.6
0-40	3326	40.8	40.8
0-60	6085	74.6	74.6
0-90	8150	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	8158	100.0	100.0

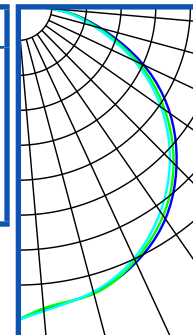
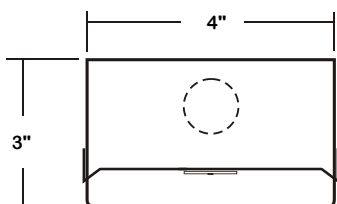
Luminaire Output= 8158 lumens
 Luminaire Efficacy = 119.8 LPW

SPACING CRITERION

ALONG	ACROSS
1.34	1.30

STR220-12-8L-DRDM(ULT)-UNV-1SP/840(SAM)

TEST NO.=LA-T2705
 LED TYPE= 72 LED MODULE
 NO. OF MODULE=4
 SYSTEM WATT (W)=89.0
 CRI=>80
 L70(Hrs.)=50,000
 PHOTOMETRY TYPE=C



CANDLEPOWER

ANGLE	END	45	CROSS
0	3782	3782	3782
5	3676	3655	3689
15	3579	3589	3565
25	3409	3385	3355
35	3133	3087	3027
45	2732	2683	2619
55	2262	2184	1564
65	1694	1620	961
75	1043	1000	405
85	420	418	39
90	38	42	0
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	2932	24.5	24.6
0-40	4869	40.8	40.8
0-60	8908	74.6	74.6
0-90	11930	99.9	99.9
90-120	11	0.1	0.1
90-150	12	0.1	0.1
90-180	12	0.1	0.1
0-180	11942	100.0	100.0

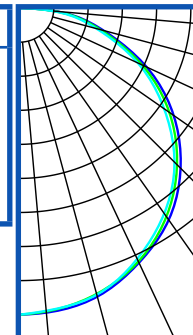
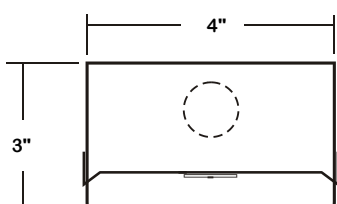
Luminaire Output= 11942 lumens
 Luminaire Efficacy = 134.2 LPW

SPACING CRITERION

ALONG	ACROSS
1.29	1.25

STR220-16-8L-2DRDM(PHI)-UNV-1S/840(SAM)

TEST NO.=LA-T2706
 LED TYPE= 72 LED MODULE
 NO. OF MODULE=4
 SYSTEM WATT (W)=135.6
 CRI=>80
 L70(Hrs.)=50,000
 PHOTOMETRY TYPE=C



CANDLEPOWER

ANGLE	END	45	CROSS
0	5066	5066	5066
5	5051	5033	5021
15	4936	4891	4904
25	4643	4621	4573
35	4273	4206	4144
45	3742	3659	3600
55	3091	3005	2900
65	2304	2222	2145
75	1427	1369	1309
85	607	579	552
90	610	58	54
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	4007	24.5	24.5
0-40	6650	40.7	40.7
0-60	12180	74.5	74.5
0-90	16324	99.9	99.9
90-120	16	0.1	0.1
90-150	16	0.1	0.1
90-180	16	0.1	0.1
0-180	16339	100.0	100.0

Luminaire Output= 16339 lumens
 Luminaire Efficacy= 120.5 LPW

SPACING CRITERION

ALONG	ACROSS
1.31	1.27



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