

Series Spec Sheet

L2STR

LED STRIP

3 CCT and 3 Power Selectable

The L2STR series of versatile LED strips are designed to deliver efficient and high impact illumination. These luminaires feature a rounded lens that evenly diffuses the light and an innovative housing built for quick and easy installation. Whether for retrofit or new construction, the L2STR series is the ideal choice for a variety of commercial and industrial applications.

FEATURES AND SPECIFICATIONS

• Construction

Physical Characteristics

- Sleek two-part housing design with tool-less entry
- Safety cables placed between lens compartment and housing for easy installation and maintenance
- CCT and Power Selectable switches are placed discretely inside the housing
- 24 gauge semi-gloss white or matte black powder painted steel
- Frosted PMMA lens

Mounting

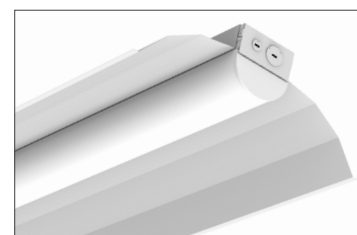
- Surface, suspended or row mounted (see accessories)
- V-Hooks and canopy plate for junction box are included

• Performance Data

- Available in 3 500/4 000/5 000 K selectable color temperature
- 80+ CRI
- Electrical ratings: 120-347 V
- Estimated life of over 156 000 hours to L70
- 0-10 V dimming standard with 12 V auxiliary output
- 2.5 kV surge protection
- Operating temperature:
 - 20 °C to 50 °C (-4 °F to 122 °F)
 - For 70028 and 70029: -20 °C to 40 °C (-4 °F to 104 °F)

• Compliances

- UL listed for Canada and USA for damp locations
- DLC Premium and Standard
- Meets requirements of ICES-005 issue 5 class A for use in commercial applications



Shown with Reflector Wings Kit (Sold Separately)



Not all products are qualified on the DLC QPL. To view our DLC qualified products, please consult the DLC Qualified Products List at www.designlights.org/search.

OVERVIEW

Light source	LED
Watts (W)	20, 35, 56 18/25/30, 25/30/40, 34/38/45, 44/60/80, 65/75/90, 112/126/142
Lumen output (lm)	2 520 - 20 732
Efficacy (lm/W)	131 - 160
Color temperature (K)	3 500/4 000/5 000
CRI	80+

QUICK SHIP AND TECHNICAL SPECIFICATION TABLE

Order code	Model number	Watts (W)	Volts (V AC)	Color temp. (K) ¹	Lumen output (lm)	Efficacy (lm/W)	CRI	Life L70 (hrs) ⁴	Tested hours LM-80 (hrs) ⁴	Finish	PF	THD (%)	Master case qty
24" CCT Selectable													
69390	L2STR-24LS1-Q/3C	20	120-347	3 500/4 000/5 000	2 640 ²	132	80+	156 000	10 000	White	0.90	10	6
36" CCT and Power Selectable													
69583	L2STR-36LP30-Q/3C	18/25/30	120-347	3 500/4 000/5 000	2 700/3 650/ 4260 ³	132	80+	156 000	10 000	White	0.90	10	6
48" CCT and Power Selectable													
69391	L2STR-48LP40-Q/3C	25/30/40	120-347	3 500/4 000/5 000	3 875/4 500/5 680 ³	132	80+	156 000	10 000	White	0.90	10	6
69392	L2STR-48LP45-Q/3C	34/38/45	120-347	3 500/4 000/5 000	5 270/5 776/6 660 ³	138	80+	156 000	10 000	White	0.90	10	6
69995	L2STR-48LP45-Q/3C-BK	34/38/45	120-347	3 500/4 000/5 000	4 964/5 434/6 300 ³	140	80+	156 000	9 000	Black	0.90	10	6
70028	L2STR-48LP80-Q/3C	44/60/80	120-347	3 500/4 000/5 000	6 864/9 600/12 400 ³	155	80+	156 000	9 000	White	0.90	10	6
48" CCT Selectable													
69667	L2STR-48LS1-Q/3C	35	120-347	3 500/4 000/5 000	4 620 ²	132	80+	156 000	10 000	White	0.90	10	6
69393	L2STR-48LS2-Q/3C	56	120-347	3 500/4 000/5 000	7 392 ²	132	80+	156 000	10 000	White	0.90	10	6
96" CCT and Power Selectable													
69394	L2STR-96LP90-Q/3C	65/75/90	120-347	3 500/4 000/5 000	9 750/11 100/12 780 ³	135	80+	156 000	10 000	White	0.90	10	4
69996	L2STR-96LP90-Q/3C-BK	65/75/90	120-347	3 500/4 000/5 000	9 035/10 275/12 150 ³	135	80+	156 000	9 000	Black	0.90	10	4
70029	L2STR-96LP142-Q/3C	112/126/142	120-347	3 500/4 000/5 000	16 800/18 648/20 732 ³	146	80+	156 000	9 000	White	0.90	10	4

¹ Typical color temperature range: +/- 5 %.² Lumen values are derived from DLC reported data at 3 500 K. Please refer to the LUMEN SPECIFICATION TABLE for more details on other color temperatures.³ Lumen values are based on 4 000 K default programming. Please refer to the LUMEN SPECIFICATION TABLE for more details on other color temperatures.⁴ Life hours are derived from IESNA LM-80 testing report and projected per IESNA TM-21 extrapolations.

LUMEN SPECIFICATION TABLE

Order code	Model number	Watts (W)	3 500 K		4 000 K		5 000 K	
			Lumen output (lm)	Efficacy (lm/W)	Lumen output (lm)	Efficacy (lm/W)	Lumen output (lm)	Efficacy (lm/W)
69390	L2STR-24LS1-Q/3C	20	2 640	132	2 800	140	2 640	132
69583	L2STR-36LP30-Q/3C	18	2 520	140	2 700	150	2 556	142
		25	3 400	136	3 650	146	3 450	138
		30	3 960	132	4 260	142	4 020	134
69391	L2STR-48LP40-Q/3C	25	3 625	151	3 875	155	3 675	147
		30	4 200	140	4 500	150	4 260	142
		40	5 280	132	5 680	142	5 360	134
69392	L2STR-48LP45-Q/3C	34	4 930	145	5 270	155	4 998	147
		38	5 396	142	5 776	152	5 472	144
		45	6 210	138	6 660	148	6 300	140
69995	L2STR-48LP45-Q/3C-BK	34	4 624	136	4 964	146	4 624	136
		38	5 054	133	5 434	143	5 054	133
		45	5 850	130	6 300	140	5 850	130
70028	L2STR-48LP80-Q/3C	44	6 820	155	6 864	156	6 820	155
		60	9 000	150	9 600	160	9 000	150
		80	11 600	145	12 400	155	11 600	145
69667	L2STR-48LS1-Q/3C	35	4 620	132	5 110	146	4 830	138
69393	L2STR-48LS2-Q/3C	56	7 392	132	7 784	139	7 336	131
69394	L2STR-96LP90-Q/3C	65	9 100	140	9 750	150	9 230	142
		75	10 350	138	11 100	148	10 500	140
		90	12 150	135	12 780	142	12 060	134
69996	L2STR-96LP90-Q/3C-BK	65	8 710	134	9 035	139	8 710	134
		75	9 900	132	10 275	137	9 900	132
		90	11 700	130	12 150	135	11 700	130
70029	L2STR-96LP142-Q/3C	112	16 240	145	16 800	150	16 352	146
		126	18 018	143	18 646	148	18 144	144
		142	20 022	141	20 732	146	20 164	142

DEFAULT PROGRAMMING

69390: 4 000 K
 69583: 30 W / 4 000 K
 69391: 40 W / 4 000 K
 69392: 45 W / 4 000 K
 69995: 45 W / 4 000 K
 70028: 80 W / 4 000 K
 69667: 4 000 K
 69393: 4 000 K
 69394: 75 W / 4 000 K
 69996: 90 W / 4 000 K
 70029: 142 W / 4 000 K

Data is based upon tests performed in a controlled environment. Actual performance can vary depending on operating conditions. All products are subject to change or may be discontinued any time without notice. Please contact your Stanpro customer service representative to confirm inventory levels at time of order.

DLC UNIQUE ID TABLE

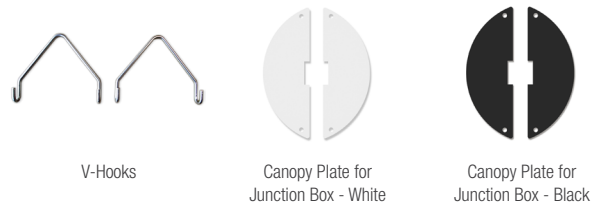
Order code	Model number	DLC Premium Unique ID	DLC Standard Unique ID	DLC Standard Unique ID
		Stairwell	Linear Ambient	Low / High Bay
69390	L2STR-24LS1-Q/3C	S-9ZPAM0	S-NCPTJ8	-
69583	L2STR-36LP30-Q/3C	S-EX5SG1	S-CXRFZ0	-
69391	L2STR-48LP40-Q/3C	S-HQVFW6	S-68UP5A	S-PV8BYN
69392	L2STR-48LP45-Q/3C	S-KQLIU1	S-ICD3NR	S-R8KRL5
69995	L2STR-48LP45-Q/3C-BK	S-GCWVPJ	S-13M4CK	S-QY3682
70028	L2STR-48LP80-Q/3C	S-MQF17Z	S-CDLPWG	S-3B597J
69667	L2STR-48LS1-Q/3C	S-R1GPMM	S-ZTJXJ4	S-M993T3
69393	L2STR-48LS2-Q/3C	S-7WWDJM	S-43XGPW	S-9R7LQZ
69394	L2STR-96LP90-Q/3C	S-5FR32B	S-52TLY8	S-P66QHR
69996	L2STR-96LP90-Q/3C-BK	S-PON48F	S-OJGW2Z	S-4XSFR
70029	L2STR-96LP142-Q/3C	S-8TH5JC	J90DFR	S-VBJC1B

ACCESSORIES (order separately)

Order code	Type
68676	Suspension kit - 2 chains (1 m)
70218	10' Complete aircraft cable kit with 5-wire power feed and 2 canopies - White
70219	10' Complete aircraft cable kit with 5-wire power feed and 2 canopies - Black
70282	10' Single side aircraft cable with canopy (non-power feed) - White
70283	10' Single side aircraft cable with canopy (non-power feed) - Black
69405	Continuous row mounting connector - White
69998	Continuous row mounting connector - Black
69398	Transparent end caps (set of 2)
69412	Wire guard kit 24" - White
69413	Wire guard kit 48" - White ¹
70166	Reflector wings kit 48" - White ¹
69395	Replacement lens 24"
69585	Replacement lens 36"
69396	Replacement lens 48"
69397	Replacement lens 96"

¹ For 96" luminaires, order 2 units.

INCLUDED IN THE BOX



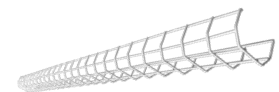
70166 (48")
Reflector Wings Kit



68676
Suspension Kit - 2 Chains (1 m)



69398
Transparent End Caps (Set of 2)



69412 (24") / 69413 (48")
Wire Guard Kits



69405 (White) / 69998 (Black)
Continuous Row Mounting Connectors



70218 (White) / 70219 (Black)
10' Complete Aircraft Cable Kits with 5-Wire Power Feed and 2 Canopies



70282 (White) / 70283 (Black)
10' Single Side Aircraft Cables with Canopy (Non-Power Feed)



69395 (24") / 69585 (36") / 69396 (48") / 69397 (96")
Replacement Lenses

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TRANSPARENT END CAPS

Our transparent end caps accessory is the perfect option for creating a seamless and consistent run of light when the L2STR LED strips are mounted in a continuous row. This accessory can also be used for regular installations (non-row mounted) to create a unique and pleasant 360° illumination!



AIRCRAFT CABLE KITS

The aircraft cable kits combine both style and function for a finished look and are offered in two distinct versions.

The complete aircraft cable kits (70218 / 70219) are an all-in-one solution that includes a set of two 10-foot aircraft cables, a 10-foot 5-wire power cord, two canopies and all necessary installation hardware.

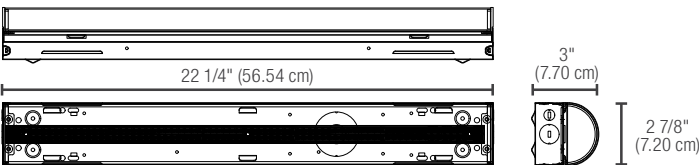
The single side aircraft cables (70282 / 70283) are primarily designed for row mounting applications when used with the complete aircraft cable kits, to allow for multiple luminaires to be powered by a single power feed and as support point when joining luminaires together. They may also be used solely for suspension when an alternative power feed is used such as an armoured cable. These kits include a single 10-foot aircraft cable, one canopy and all necessary installation hardware.



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DIMENSIONS AND WEIGHT

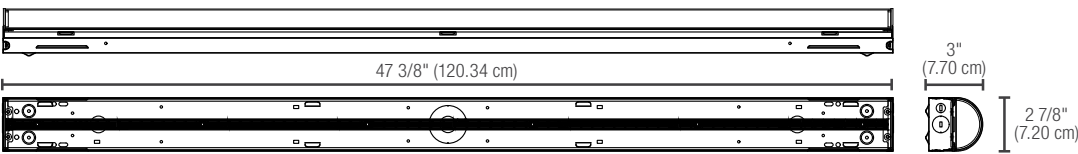
24"



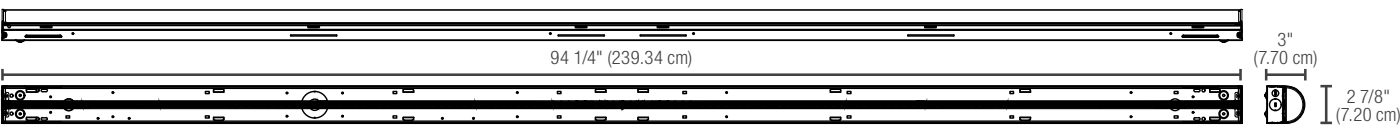
36"



48"

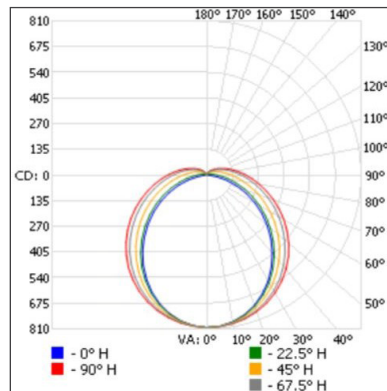


96"



Net weight (lbs)	
24"	2.6
36"	3.5
48"	4.4
96"	8.5

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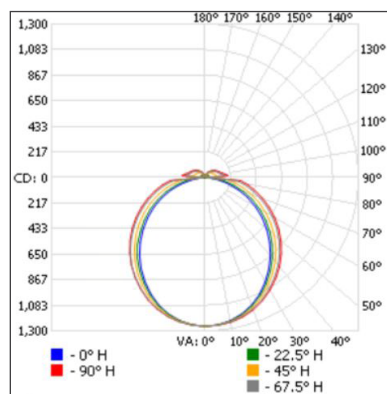
PHOTOMETRIC DATA¹
69390 • L2STR-24LS1-Q/3C • 4 000 K • 2 798.0 lm
Polar candela distribution

Zonal lumen summary

Zone	Lumens	% Fixture
0-30	619.8	22.1
0-40	1 014.3	36.3
0-60	1 810.2	64.7
60-90	721.4	25.8
70-100	506.4	18.1
90-120	215.5	7.7
0-90	2 531.6	90.5
90-180	266.4	9.5
0-180	2 798.0	100

Illuminance at a distance

Center beam fc		Beam width	
1.7'	277	4.1'	7.8'
3.3'	73.6	8.0'	15.1'
5.0'	32.1	12.2'	22.9'
6.7'	17.9	16.3'	30.7'
8.3'	11.6	20.2'	38.1'
10.0'	8.02	24.3'	45.9'

■ Vert. spread: 101.2°
■ Horiz. spread: 132.9°

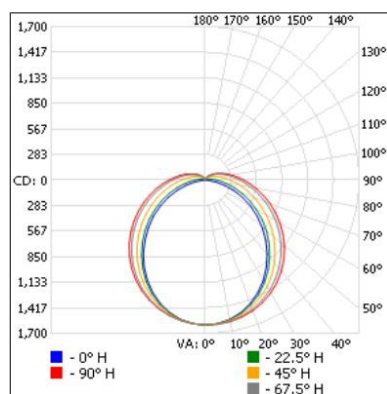
69583 • L2STR-36LP30-Q/3C • 30 W • 4 000 K • 4 256.2 lm
Polar candela distribution

Zonal lumen summary

Zone	Lumens	% Fixture
0-30	976.0	22.9
0-40	1 598.3	37.6
0-60	2 859.3	67.2
60-90	1 018.8	23.9
70-100	604.9	14.2
90-120	245.2	5.8
0-90	3 878.2	91.1
90-180	378.0	8.9
0-180	4 256.2	100

Illuminance at a distance

Center beam fc		Beam width	
1.7'	436	4.5'	6.7'
3.3'	116	8.7'	12.9'
5.0'	50.4	13.2'	19.6'
6.7'	28.1	17.7'	26.3'
8.3'	18.3	22.0'	32.6'
10.0'	12.6	26.5'	39.2'

■ Vert. spread: 105.8°
■ Horiz. spread: 126.0°

69391 • L2STR-48LP40-Q/3C • 40 W • 4 000 K • 5 675.6 lm
Polar candela distribution

Zonal lumen summary

Zone	Lumens	% Fixture
0-30	1 243.7	21.9
0-40	2 036.9	35.9
0-60	3 642.1	64.2
60-90	1 469.0	25.9
70-100	1 036.0	18.3
90-120	448.9	7.9
0-90	5 111.1	90.1
90-180	564.5	9.9
0-180	5 675.6	100

Illuminance at a distance

Center beam fc		Beam width	
1.7'	556	4.2'	7.9'
3.3'	148	8.1'	15.3'
5.0'	64.3	12.3'	23.3'
6.7'	35.8	16.4'	31.2'
8.3'	23.3	20.3'	38.6'
10.0'	16.1	24.5'	46.5'

■ Vert. spread: 101.5°
■ Horiz. spread: 133.5°

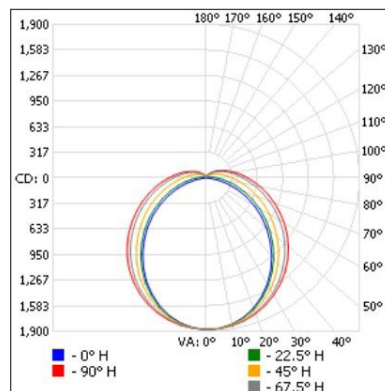
¹ Complete IES files available on our website.

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PHOTOMETRIC DATA¹

69392 • L2STR-48LP45-Q/3C • 45 W • 4 000 K • 6 655.0 lm

Polar candela distribution



Zonal lumen summary

Zone	Lumens	% Fixture
0-30	1 452.3	21.8
0-40	2 378.0	35.7
0-60	4 253.5	63.9
60-90	1 725.2	25.9
70-100	1 221.8	18.4
90-120	536.0	8.1
0-90	5 978.7	89.8
90-180	676.3	10.2
0-180	6 655.0	100

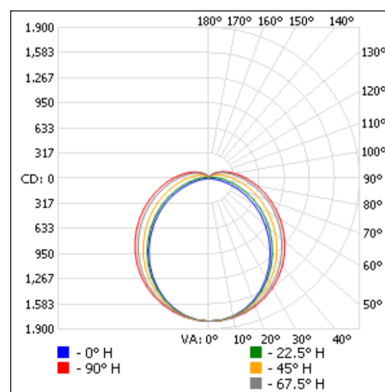
Illuminance at a distance

Center beam fc	Beam width
1.7'	4.2' 7.9'
3.3'	8.1' 15.4'
5.0'	12.3' 23.3'
6.7'	16.5' 31.2'
8.3'	20.5' 38.6'
10.0'	24.7' 46.6'

■ Vert. spread: 101.9°
■ Horiz. spread: 133.5°

69995 • L2STR-48LP45-Q/3C-BK • 45 W • 4 000 K • 6 295.5 lm

Polar candela distribution



Zonal lumen summary

Zone	Lumens	% Fixture
0-30	1 390.3	22.1
0-40	2 273	36.1
0-60	4 053.2	64.4
60-90	1 624.5	25.8
70-100	1 144.7	18.2
90-120	494.1	7.8
0-90	5 677.7	90.2
90-180	617.8	9.8
0-180	6 295.5	100

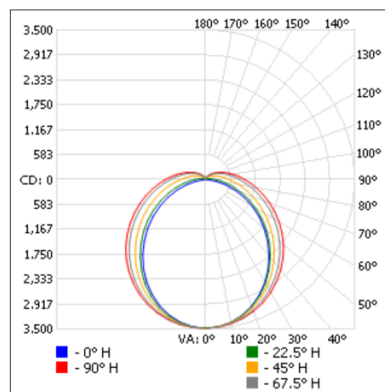
Illuminance at a distance

Center beam fc	Beam width
2.0'	4.9' 8.9'
4.0'	9.8' 17.9'
6.0'	14.7' 26.8'
8.0'	19.6' 35.8'
10.0'	24.5' 44.7'

■ Vert. spread: 101.7°
■ Horiz. spread: 131.8°

70028 • L2STR-48LP80-Q/3C • 80 W • 4 000 K • 12 409.7 lm

Polar candela distribution



Zonal lumen summary

Zone	Lumens	% Fixture
0-30	2 692.6	21.7
0-40	4 406.9	35.5
0-60	7 883.2	63.5
60-90	3 219.4	25.9
70-100	2 291.9	18.5
90-120	1 025.7	8.3
0-90	11 102.6	89.5
90-180	1 307.2	10.5
0-180	12 409.7	100

Illuminance at a distance

Center beam fc	Beam width
2.0'	4.9' 9.4'
4.0'	9.8' 18.8'
6.0'	14.8' 28.3'
8.0'	19.7' 37.7'
10.0'	24.6' 47.1'

■ Vert. spread: 101.8°
■ Horiz. spread: 134.0°

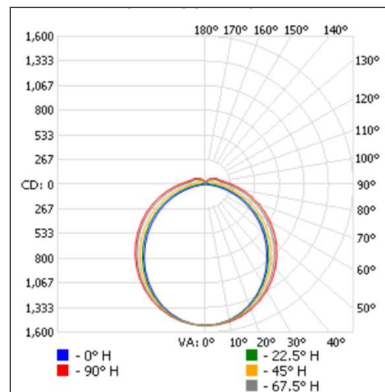
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PHOTOMETRIC DATA¹

69667 • L2STR-48LS1-Q/3C • 4 000 K • 5 105.4 lm

Polar candela distribution



Zonal lumen summary

Zone	Lumens	% Fixture
0-30	1 178.3	23.1
0-40	1 925.6	37.7
0-60	3 423.4	67.1
60-90	1 233.0	24.2
70-100	781.8	15.3
90-120	309.5	6.1
0-90	4 656.4	91.2
90-180	449.0	8.8
0-180	5 105.4	100

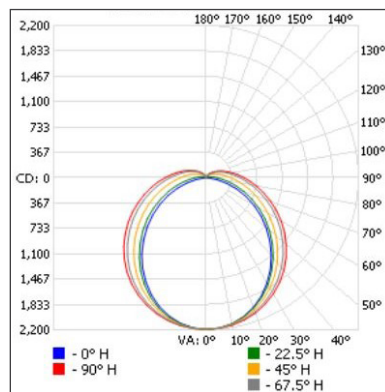
Illuminance at a distance

Center beam fc		Beam width	
1.7'	528	4.4'	6.4'
3.3'	140	8.6'	12.4'
5.0'	61.0	13.0'	18.8'
6.7'	34.0	17.4'	25.2'
8.3'	22.2	21.6'	31.2'
10.0'	15.3	26.0'	37.5'

■ Vert. spread: 104.9°
■ Horiz. spread: 123.9°

69393 • L2STR-48LS2-Q/3C • 4 000 K • 7 778.3 lm

Polar candela distribution



Zonal lumen summary

Zone	Lumens	% Fixture
0-30	1 697.9	21.8
0-40	2 781.2	35.8
0-60	4 976.0	64
60-90	2 015.4	25.9
70-100	1 425.7	18.3
90-120	623.6	8
0-90	6 991.3	89.9
90-180	786.9	10.1
0-180	7 778.3	100

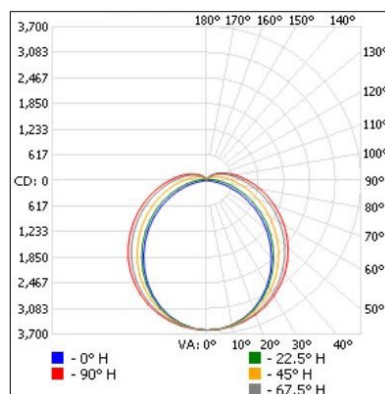
Illuminance at a distance

Center beam fc		Beam width	
1.7'	759	4.2'	8.0'
3.3'	201	8.1'	15.5'
5.0'	87.7	12.3'	23.5'
6.7'	48.8	16.4'	31.5'
8.3'	31.8	20.4'	39.0'
10.0'	21.9	24.5'	47.0'

■ Vert. spread: 101.7°
■ Horiz. spread: 133.9°

69394 • L2STR-96LP90-Q/3C • 90 W • 4 000 K • 12 770.5 lm

Polar candela distribution



Zonal lumen summary

Zone	Lumens	% Fixture
0-30	2 786.8	21.8
0-40	4 563.1	35.7
0-60	8 162.1	63.9
60-90	3 310.5	25.9
70-100	2 344.6	18.4
90-120	1 028.6	8.1
0-90	11 472.6	89.8
90-180	1 297.9	10.2
0-180	12 770.5	100

Illuminance at a distance

Center beam fc		Beam width	
1.7'	1 246	4.2'	7.9'
3.3'	331	8.1'	15.4'
5.0'	144	12.3'	23.3'
6.7'	80.2	16.5'	31.2'
8.3'	52.3	20.5'	38.6'
10.0'	36.0	24.7'	46.6'

■ Vert. spread: 101.9°
■ Horiz. spread: 133.5°

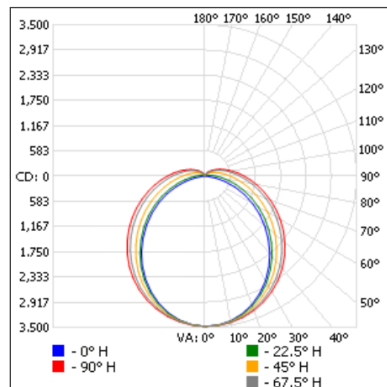
¹ Complete IES files available on our website.

Data is based upon tests performed in a controlled environment. Actual performance can vary depending on operating conditions. All products are subject to change or may be discontinued any time without notice. Please contact your Stanpro customer service representative to confirm inventory levels at time of order.

PHOTOMETRIC DATA¹

69996 • L2STR-96LP90-Q/3C-BK • 90 W • 4 000 K • 12 141.2 lm

Polar candela distribution



Zonal lumen summary

Zone	Lumens	% Fixture
0-30	2 681.3	22.1
0-40	4 383.7	36.1
0-60	7 816.8	64.4
60-90	3 133	25.8
70-100	2 207.6	18.2
90-120	952.9	7.8
0-90	10 949.8	90.2
90-180	1 191.4	9.8
0-180	12 141.2	100

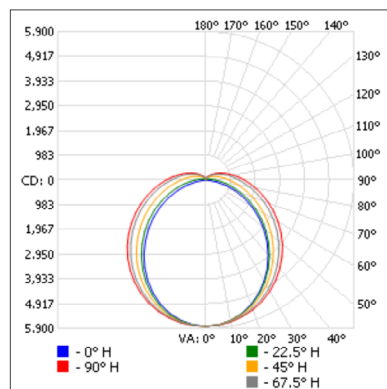
Illuminance at a distance

	Center beam fc	Beam width
2.0'	868.6	4.9' 8.9'
4.0'	217.1	9.8' 17.9'
6.0'	96.5	14.7' 26.8'
8.0'	54.3	19.6' 35.8'
10.0'	34.7	24.5' 44.7'

■ Vert. spread: 101.7°
■ Horiz. spread: 131.8°

70029 • L2STR-96LP142-Q/3C • 142 W • 4 000 K • 20 717.0 lm

Polar candela distribution



Zonal lumen summary

Zone	Lumens	% Fixture
0-30	4 495	21.7
0-40	7 357	35.5
0-60	13 160.4	63.5
60-90	5 374.5	25.9
70-100	3 826.2	18.5
90-120	1 712.3	8.3
0-90	18 534.8	89.5
90-180	2 182.2	10.5
0-180	20 717	100

Illuminance at a distance

	Center beam fc	Beam width
2.0'	1 453.7	4.9' 9.4'
4.0'	363.4	9.8' 18.8'
6.0'	161.5	14.8' 28.3'
8.0'	90.9	19.7' 37.7'
10.0'	58.1	24.6' 47.1'

■ Vert. spread: 101.8°
■ Horiz. spread: 134.0°

¹ Complete IES files available on our website.

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