

Series Spec Sheet

L2TRV

TRI-LEVEL MOTION SENSOR LED STRIP

3 CCT and 3 Power Selectable

Optional Emergency Remote

The L2TRV series of LED strips feature an integrated tri-level microwave or PIR motion sensor, preventing energy loss and increasing energy savings. These luminaires feature a rounded lens that evenly diffuses the light and an innovative housing designed for quick and easy installation. The L2TRV series is the perfect choice for applications requiring continuous lighting, such hallways, common areas, parkades and stairwells.

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

- Integrated tri-level microwave (high frequency) or PIR motion sensor (remote control sold separately)
- 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
- 2.5 kV surge protection
- Operating temperature:
 - 20 °C to 50 °C (-4 °F to 122 °F)
 - For 70030: -20 °C to 40 °C (-4 °F to 104 °F)
- Operating temperature with LINK or Emergency battery backup:
 - 20 °C to 25 °C (-4 °F to 77 °F)

• Optional Emergency Lighting

LINK Normally ON Emergency Remote LED Strip

- Consuming 11 W, 12 - 24 VDC
- 200 mA constant current
- Delivers 1 222 - 1 344 lumens in emergency mode
- Ease of maintenance when used with Stanpro emergency lighting battery units complete with auto test function
- Complements Stanpro's normally ON LED strip family
- Patent pending

Please view the LINK specification section for more details on this technology

• Emergency Lighting Compliances

- CSA certified as a C22.2 C141-15 emergency lighting luminaire
- Meets ICES-005 requirements

• 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



¹ 5 year warranty for the LINK module.

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, 56	34/38/45
	18/25/30	44/60/80
	25/30/40	65/75/90
Lumen output (lm)	2 520 - 12 780	
Efficacy (lm/W)	130 - 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	Power factor	THD (%)	Master case qty
24" CCT Selectable													
69400	L2TRV-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													
69584	L2TRV-36LP30-Q/3C	18/25/30	120-347	3 500/4 000/5 000	2 700/3 650/4 260 ³	132	80+	156 000	10 000	White	0.90	10	6
48" CCT and Power Selectable													
69401	L2TRV-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
69402	L2TRV-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
69997	L2TRV-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	10 000	Black	0.90	10	6
70199	L2TRV-48LP45-Q/3C/PIR	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
70030	L2TRV-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													
69403	L2TRV-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													
69404	L2TRV-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	1
70200	L2TRV-96LP90-Q/3C/PIR	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	1

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.

MICROWAVE SENSOR NOTES:

- Depending on the application, the Detection Area setting of the sensor may need to be reduced for proper detection.
- For optimal performance, the luminaire must be installed on a solid surface or structure, free from shaking and vibrations.
- To prevent sensor malfunction and false triggering, avoid installing the luminaire near areas of high vibration, such as large machinery, fans, HVAC systems and motors, as well as large metal objects and surfaces.

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)
69400	L2TRV-24LS1-Q/3C	20	2 640	132	2 800	140	2 640	132
		18	2 520	140	2 700	150	2 556	142
69584	L2TRV-36LP30-Q/3C	25	3 400	136	3 650	146	3 450	138
		30	3 960	132	4 260	142	4 020	134
69401	L2TRV-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
69402	L2TRV-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
69997	L2TRV-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
70199	L2TRV-48LP45-Q/3C/PIR	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
70030	L2TRV-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
69403	L2TRV-48LS2-Q/3C	56	7 392	132	7 784	139	7 336	131
		65	9 100	140	9 750	150	9 230	142
69404	L2TRV-96LP90-Q/3C	75	10 350	138	11 100	148	10 500	140
		90	12 150	135	12 780	142	12 060	134
70200	L2TRV-96LP90-Q/3C/PIR	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

DEFAULT PROGRAMMING

69400: 4 000 K
 69584: 30 W / 4 000 K
 69401: 40 W / 4 000 K
 69402: 45 W / 4 000 K
 69997: 45 W / 4 000 K
 70199: 45 W / 4 000 K
 70030: 80 W / 4 000 K
 69403: 4 000 K
 69404: 75 W / 4 000 K
 70200: 90 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
69400	L2TRV-24LS1-Q/3C	S-5DWXFH	S-D1AS2I	-
69584	L2TRV-36LP30-Q/3C	S-03YMSK	S-5R6K91	-
69401	L2TRV-48LP40-Q/3C	S-PXVS01	S-4K78EC	S-5PMSYR
69402	L2TRV-48LP45-Q/3C	S-G2XBDR	S-8N2EWH	S-Z8J1T2
69997	L2TRV-48LP45-Q/3C-BK	S-2PCG7N	S-7W5RH9	S-81P8ZQ
70199	L2TRV-48LP45-Q/3C/PIR	S-VV9R7S	S-NG0NSR	S-YJLWF
70030	L2TRV-48LP80-Q/3C	S-6LGSM0	S-6R708T	S-VK7KFX
69403	L2TRV-48LS2-Q/3C	S-RWG1X2	S-S8604P	S-VW4SP1
69404	L2TRV-96LP90-Q/3C	S-U6ZBX0	S-E9LB3W	S-X5MPDQ
70200	L2TRV-96LP90-Q/3C/PIR	S-GDM9KJ	S-N7M934	S-YPL22Y

CONFIGURABLE ORDERING GUIDE

L2TRV		L			3C	
Series	Size	Lamp type	Lumen package (W) ¹	Volts (V AC)	Color temp. (K)	Options
L2TRV	24 - 24"	L- LED	S1 - 20	Q - 120-347 W - 120-277 ³	3C - 3 500/4 000/5 000	EL - LINK Normally ON emergency remote ^{4,5} DL - 8 W Emergency battery backup (120-277 V only) ⁶
	48 - 48"		P40 - 25/30/40 P45 - 34/38/45 ² S2 - 56			
	96 - 96"		P90 - 65/75/90 ²			

¹ See IES files or LUMEN SPECIFICATION TABLE for details.

² Only available for white finish luminaires with Microwave sensors.

³ Only available for 48" and 96" luminaires when used with DL option.

⁴ When in Emergency Mode with EL option, half of the 96" luminaire will remain illuminated.

⁵ When in Emergency Mode with EL option, luminaire only consumes 11 W.

⁶ Only available for 48" and 96" luminaires in 120-277 V.

LINK TECHNICAL SPECIFICATION TABLE

Size	Lumen package	Watts (W)	LINK Watts (W)	LINK Lumen output (lm)
24"	LS1	20	11	1 257
48"	LP40	25		1 294
		30		1 291
		40		1 222
		34		1 344
	LP45	38		1 322
		45		1 268
		56		1 223
	LS2	65		1 295
96"	LP90	75		1 241
		90		1 242

EMERGENCY BATTERY BACKUP TECHNICAL SPECIFICATION TABLE

Size	Lumen package	Watts (W)	Emergency battery backup Watts (W)	Emergency battery backup Lumen output (lm)	Discharger time (min.)	Recharge time (hrs)
48"	LP40	25	8	1 035	≥ 90	≥ 24
		30		1 033		
		40		978		
		34		1 075		
	LP45	38		1 057		
		45		1 014		
		56		965		
	LS2	65		1 036		
96"	LP90	75		993		
		90		994		



Standard placement of the test switch and indicator light is on the end cap of the luminaire. For alternative placement, please contact your Stanpro customer service representative.

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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) ¹
69399	Remote control for microwave motion sensor ²
69080	Remote control for PIR motion sensor ^{2,3}
69412	Wire guard kit 24" - White
69413	Wire guard kit 48" - White ^{4,5}
70166	Reflector wings kit 48" - White ⁵
69395	Replacement lens 24"
69585	Replacement lens 36"
69396	Replacement lens 48"
69624	Replacement lens 48" (with PIR sensor)
69397	Replacement lens 96"
69707	Replacement lens 96" (with PIR sensor)

¹ Not compatible with 70199 & 70200.

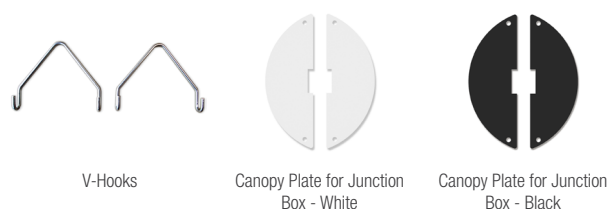
² The remote control is required to modify sensor programming. A single remote control can be used to program multiple sensors.

³ For use with 70199 & 70200 only.

⁴ When installed on the luminaires with integrated PIR motion sensor, the wire guard will reduce the sensor sensitivity.

⁵ For 96" luminaires, order 2 units.

INCLUDED IN THE BOX



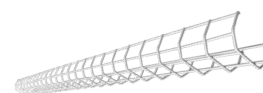
70166 (48")
Reflector Wings Kit



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 & 69624 (48") / 69397 & 69707 (96")
Replacement Lenses

TRANSPARENT END CAPS

Our transparent end caps accessory is the perfect option for creating a seamless and consistent run of light when the L2TRV 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!



Transparent
End Caps

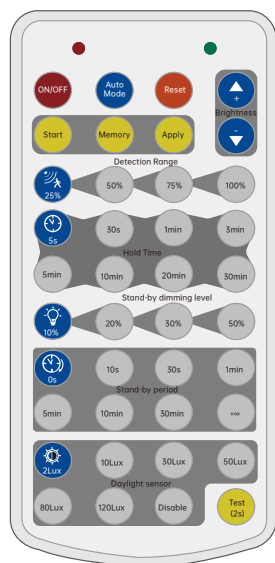
Standard
End Caps



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MICROWAVE SENSOR PROGRAMMING AND SETTINGS OPTIONS

NOTE: A remote control (sold separately - order code: 69399) is required to modify sensor programming. A single remote control can be used to program multiple sensors.



Button	Function	Details
	ON/OFF	1. The "ON/OFF" button functions only to turn the luminaire ON or OFF. 2. If this button is pressed to turn off the luminaire before a short-circuit, the luminaire will remain turned off once the power is restored.
	Auto Mode	When the "Auto Mode" button is pressed, the sensor starts to work and all sensor settings will remain the same as before the luminaire was turned ON/OFF.
	Reset	When the "Reset" button is pressed, the sensor settings will return to the factory default settings: Brightness: 100% / Detection Area: 100% / Hold Time: 5 sec. / Standby Period: Disable / Daylight Threshold: Disable
	Detection Area	The defined area in which movement will trigger the motion sensor. Options: 25% / 50% / 75% / 100%
	Hold Time	The time period the luminaire remains at 100% illumination after no motion is detected. Options: 5 sec. / 30 sec. / 1 min. / 3 min. / 5 min. / 10 min. / 20 min. / 30 min.
	Standby Dimming Level	The level of dimmed low light output after the Hold Time in the long absence of motion. Options: 10% / 20% / 30% / 50%
	Standby Period	The time period the luminaire remains at a low light output level before it completely switches off in the long absence of motion. When set to "Disable" mode, the low light is maintained until motion is detected (Bi-Level). Note: "0 sec." means ON/OFF control. "+∞" means Bi-Level dimming control; the luminaire never turns off. Options: 0 sec. / 10 sec. / 30 sec. / 1 min. / 5 min. / 10 min. / 30 min. / +∞ (Disable)
	Daylight Threshold	The sensor will function whenever the ambient lux level is lower than the selected lux value. When set to "Disable" mode, the sensor will continuously function regardless of the ambient lux level. Options: 2 lux / 10 lux / 30 lux / 50 lux / 80 lux / 120 lux / Disable
	Test Mode	The button "Test (2s)" is used for testing purposes after sensor programming. When the button is pressed, the sensor enters into "Test Mode" and the luminaire will remain ON for 2 seconds.

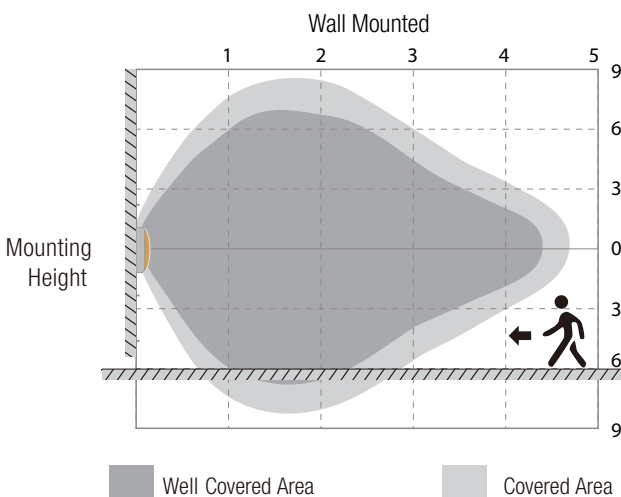
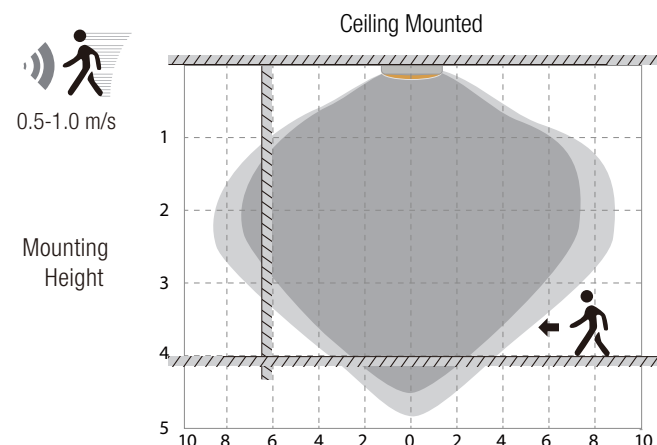
SENSOR DEFAULT PROGRAMMING

Detection Area	100%
Hold Time	10 min.
Standby Dimming Level	50%
Standby Period	10 min.
Daylight Threshold	Disable

SENSOR MOUNTING AND DETECTION PATTERN

Mounting Height	14.76 ft (4.5 m) max.
Detection Range	9.84 - 22.96 ft (3 - 7 m)
Detection Angle - Ceiling Mounted	360 °
Detection Angle - Wall Mounted	150 °

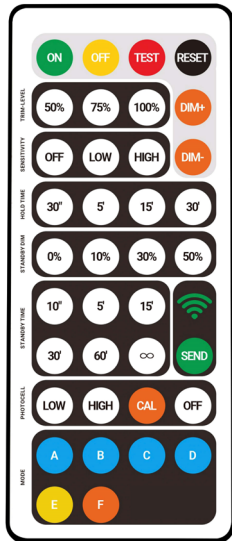
SENSOR DETECTION COVERAGE



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PIR SENSOR PROGRAMMING AND SETTINGS OPTIONS (FOR 70199 & 70200 ONLY)

NOTE: A remote control (sold separately - order code: 69080) is required to modify sensor programming. A single remote control can be used to program multiple sensors.



Button	Function	Details
ON	ON	Turns ON the luminaire.
OFF	OFF	Turns OFF the luminaire.
TEST	Test	To test for the proper functioning of the sensor, TEST Mode will last 5 minutes and then return to previous settings. Test Mode Settings: Hold Time = 2 sec. / Standby Dimming Level = 50% / Standby Time = 2 sec.
RESET	Reset	Resets the sensor to the following settings: Trim-Level = 100% / Sensivity = HIGH / Hold Time = 5 min. / Standby Dimming Level = 30% / Standby Time = 60 min. / Photocell = OFF
DIM+ DIM-	Dim +/-	Manually dim the light output of the luminaire up or down. For smooth and continuous dimming, hold down either button.
50% 75% 100%	Trim-Level	Set the luminaire's maximum level of light output. Options: 50% / 75% / 100%
OFF LOW HIGH	Sensitivity	The defined level of sensitivity for the sensor to detect motion (Detection Area). Note: "OFF" = Motion sensing function of the sensor is disabled. Options: OFF / LOW (50%) / HIGH (100%)
30' 5' 15' 30'	Hold Time	The time period in which the luminaire remains at 100% illumination after no motion is detected. Options: 30 sec. / 5 min. / 15 min. / 30 min.
0% 10% 30% 50%	Standby Dimming Level	The level of dimmed low light output after the HOLD TIME in the long absence of motion. Note: "0%" = ON/OFF control. Options: 0% / 10% / 30% / 50%
10' 5' 15' 30' 60' ∞	Standby Time	The time period the luminaire remains at a low light output level before it completely turns off, in the long absence of motion. When set to "∞" mode, the low light is maintained until motion is detected (Bi-Level). Note: "∞" = Bi-Level Dimming control, the luminaire never turns off. Options: 10 sec. / 5 min. / 15 min. / 30 min. / 60 min. / ∞
LOW HIGH CAL OFF	Photocell	The Photocell will turn the luminaire ON or OFF, depending on the ambient light levels. When set to "OFF" mode, the Photocell is disabled. Note: "CAL" = The Photocell will measure the current ambient light level and program it to be the light level in which the luminaire is turned ON. Options: LOW (3 fc) / HIGH (15 fc) / CAL / OFF (Disable)
A B C D	Mode	Four (4) programmable modes in which to save settings.
E		Manual Mode: Allows for visual adjustment to choose the desired dimming level.
F		Daylight Harvesting Mode: Allows for continuous dimming to maintain target light level.
SEND	Send	Send settings to the sensor.

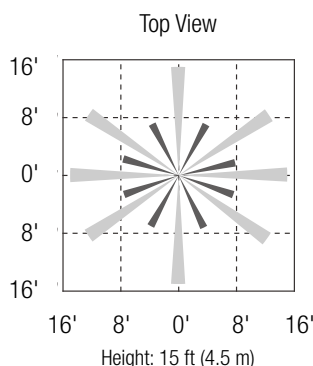
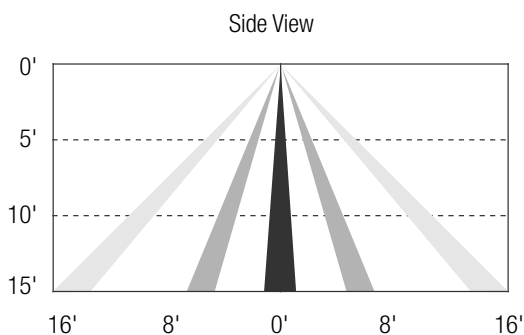
SENSOR DEFAULT PROGRAMMING

Trim-Level	100%
Sensitivity	High
Hold Time	15 min.
Standby Dimming Level	50%
Standby Time	15 min.
Photocell	OFF

SENSOR MOUNTING AND DETECTION PATTERN

Mounting Height	15 ft (4.5 m) max.
Detection Range	32 ft (9.75 m) max.

SENSOR DETECTION COVERAGE



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.

SENSOR DAISY CHAIN FUNCTION

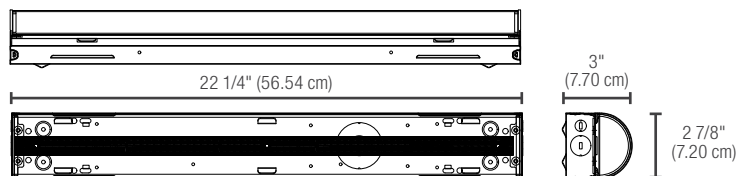
The L2TRV series can be daisy chained together with L2STR series luminaires. The integrated microwave or PIR motion sensor in the L2TRV will also control the L2STR luminaires. They can either be installed in a continuous row or can be placed up to 2 m apart from one another. Refer to the installation guide for proper wiring instructions.

Recommended luminaire pairings:

L2TRV Series		L2STR Series		Daisy Chain Maximum
Order code	Model number	Order code	Model number	
69400	L2TRV-24LS1-Q/3C	69390	L2STR-24LS1-Q/3C	10 Luminaires (1 L2TRV + 9 L2STR)
69584	L2TRV-36LP30-Q/3C	69583	L2STR-36LP30-Q/3C	10 Luminaires (1 L2TRV + 9 L2STR)
69401	L2TRV-48LP40-Q/3C	69391	L2STR-48LP40-Q/3C	10 Luminaires (1 L2TRV + 9 L2STR)
69402	L2TRV-48LP45-Q/3C	69392	L2STR-48LP45-Q/3C	10 Luminaires (1 L2TRV + 9 L2STR)
69997	L2TRV-48LP45-Q/3C-BK	69995	L2STR-48LP45-Q3C-BK	10 Luminaires (1 L2TRV + 9 L2STR)
70199	L2TRV-48LP45-Q/3C/PIR	69392	L2STR-48LP45-Q/3C	10 Luminaires (1 L2TRV + 9 L2STR)
70030	L2TRV-48LP80-Q/3C	70028	L2STR-48LP80-Q/3C	10 Luminaires (1 L2TRV + 9 L2STR)
69403	L2TRV-48LS2-Q/3C	69393	L2STR-48LS2-Q/3C	10 Luminaires (1 L2TRV + 9 L2STR)
69404	L2TRV-96LP90-Q/3C	69394	L2STR-96LP90-Q/3C	5 Luminaires (1 L2TRV + 4 L2STR)
70200	L2TRV-96LP90-Q/3C/PIR	69394	L2STR-96LP90-Q/3C	5 Luminaires (1 L2TRV + 4 L2STR)

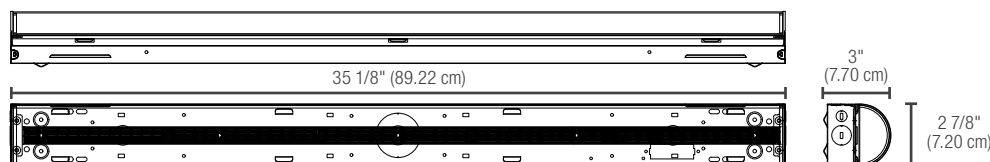
DIMENSIONS AND WEIGHT

24"

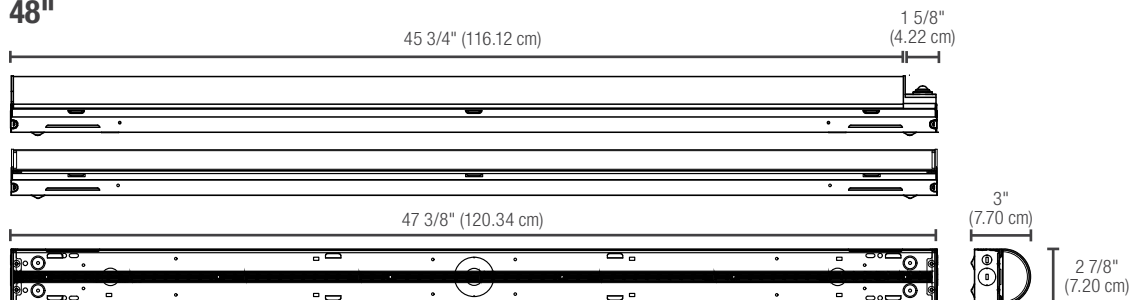


Net weight (lbs)	
24"	2.6
36"	3.5
48"	4.4
96"	8.5

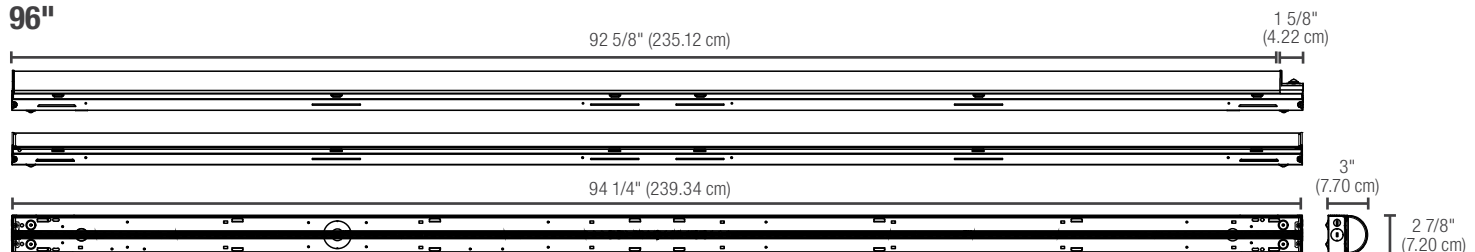
36"



48"



96"



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LINK

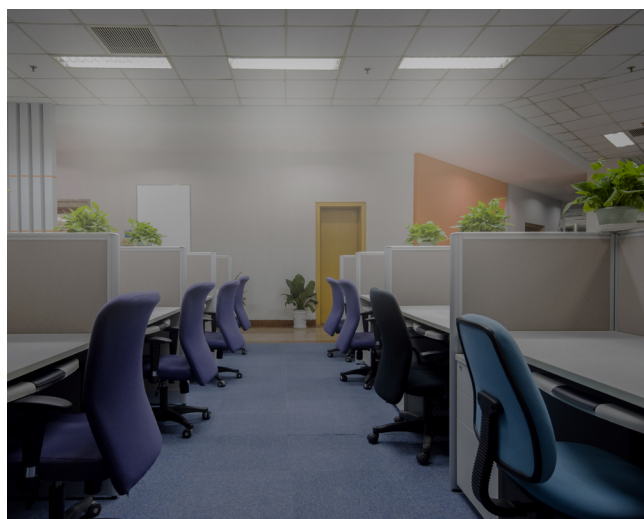
NORMALLY ON EMERGENCY REMOTE LUMINAIRE

This luminaire can be used with an emergency backup powered by either a 12 V or 24 V DC Stanpro battery unit, complete with or without auto test.

NORMAL MODE



EMERGENCY MODE



TYPICAL SPECIFICATION

Supply and install Stanpro LINK _____ ft, LED strip, Model number: _____ remote normally ON emergency luminaire, CSA C22.2 141-15 certified and meet the requirements prescribed by ICES-005. Normally ON when AC is present and when connected to a Stanpro battery unit complete with or without auto test, this luminaire shall act as an emergency lighting remote and consume 11 W of DC power in _____ V producing 1 222 - 1 344 lumens in emergency mode.

The remote normally ON emergency luminaire shall be powered by a Stanpro emergency lighting battery unit as described herein and shown on the drawings. The Stanpro auto diagnostic micro-controller board shall supply the rated load for a minimum of a 1/2 hour to 87.5% of the rated battery voltage. The unit shall be rated 120 V, 277 V or 347 V, 60 Hz and be CSA listed. The unit shall have an output of: ____V and ____W. The charge voltage factory set to $\pm 1\%$ tolerance. High efficiency, rapid recovery, precision control charging system shall be employed to promote long battery life and reduce the potential for grid corrosion. The charger shall provide a continuous high charge to recharge the battery, when the battery is at full capacity, the charger will shut-off. Periodically the charger shall provide a pulse of energy to keep the battery topped off. The pulse charger shall be precisely regulated and shall charge the battery in relation to its temperature, state or charge and input voltage fluctuations. The charger shall be current limited, temperature compensated, short-circuit proof and reverse polarity protected. The unit shall be furnished with an electronic lockout circuit, which will connect the battery when the AC circuit is activated, and an electronic brownout circuit, which will activate the emergency lights when utility power dips below 75% of nominal voltage. A low voltage battery protection circuit shall be provided and will disconnect the load when the battery reaches the end of discharge.

The automated testing performed by the Stanpro auto test system has been designed to comply with all of the requirements of the National Fire Code. Every month a 5 minute discharge and diagnostic test checks the operational status of the unit. Every 12 months, this test is extended to the full 30 minute, code required duration. This ensures that the battery charger is recharging the battery in accordance with code requirements.

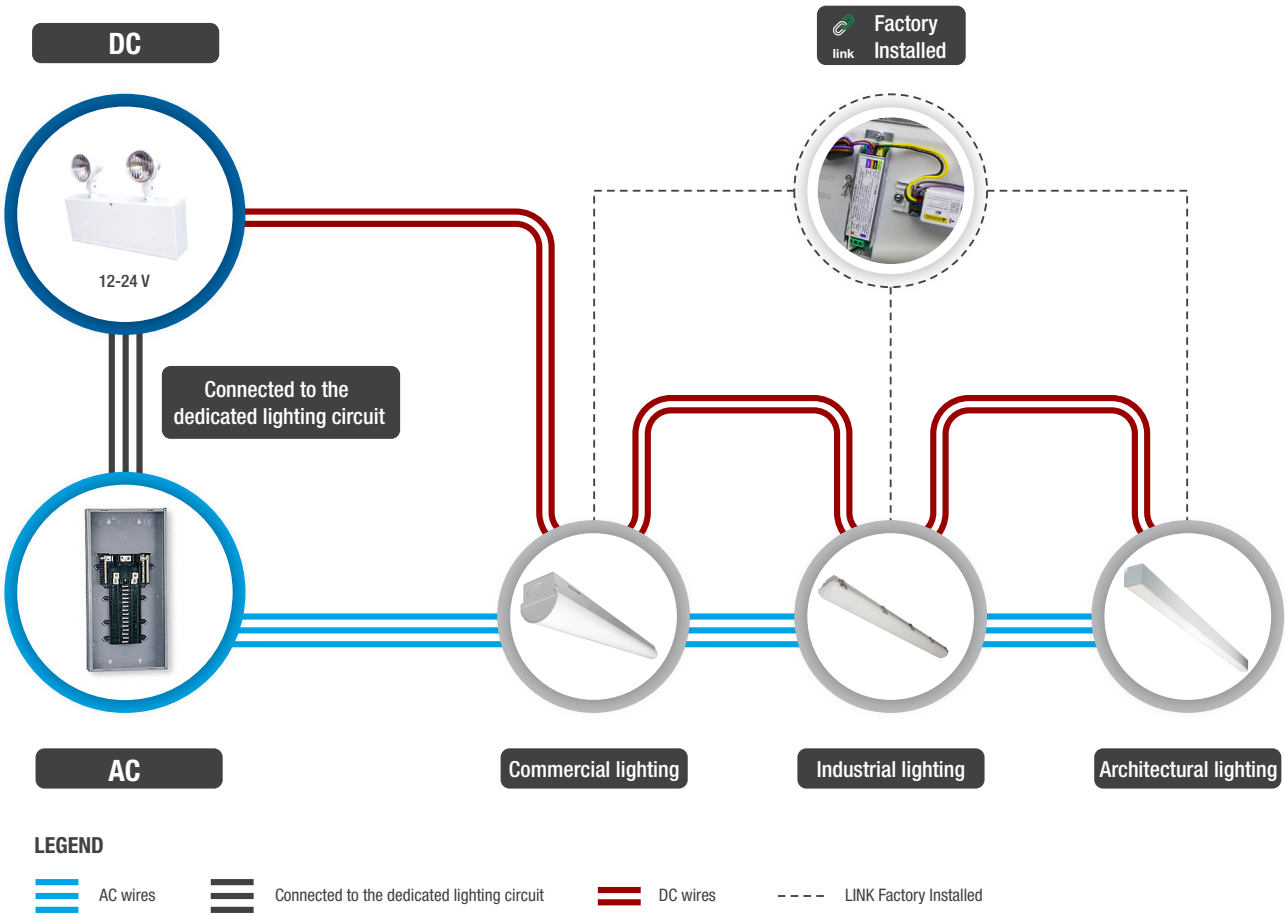
The unit shall be Stanpro model: SL_____

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LINK
NORMALLY ON EMERGENCY REMOTE LUMINAIRE

LINK Wiring Diagram

LINK
remote
normally ON
emergency lighting
luminaire



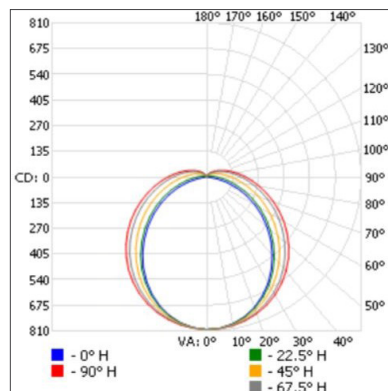
Emergency mode	Spacing
L2TRV	Average spacing for 1 out of every 4 luminaires, normally ON in the path of egress, when at 8, 10, or 12 foot mounting heights.

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PHOTOMETRIC DATA¹

69400 • L2TRV-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

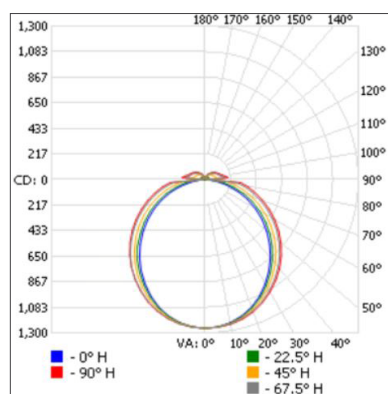
Illuminance at a distance

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°

69584 • L2TRV-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

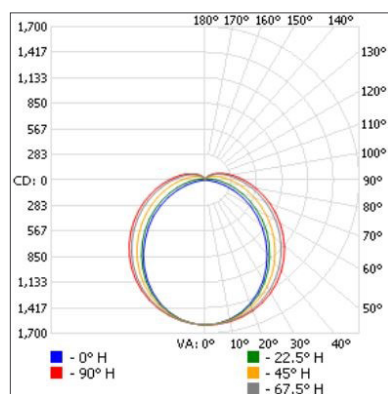
Illuminance at a distance

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°

69401 • L2TRV-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°

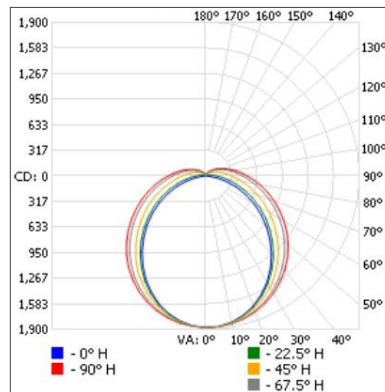
¹ Complete IES files available on our website.

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PHOTOMETRIC DATA¹

69402 • L2TRV-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

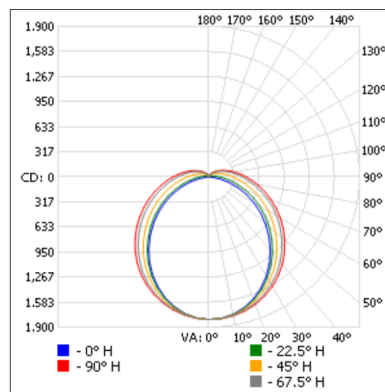
Illuminance at a distance

Center beam fc		Beam width	
1.7'	649	4.2'	7.9'
3.3'	172	8.1'	15.4'
5.0'	75.1	12.3'	23.3'
6.7'	41.8	16.5'	31.2'
8.3'	27.2	20.5'	38.6'
10.0'	18.8	24.7'	46.6'

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

69997 • L2TRV-48LP45-Q/3C-BK • 45 W • 4 000 K • 6 295.5 lm

Polar candela distribution



Zonal lumen summary

Zone	Lumens	% Fixture
0-30	1390.3	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

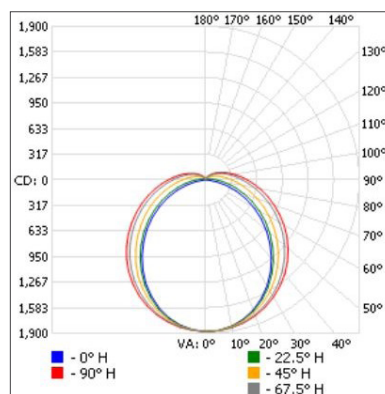
Illuminance at a distance

Center beam fc		Beam width	
2.0'	450.4	4.9'	8.9'
4.0'	112.6	9.8'	17.9'
6.0'	50	14.7'	26.8'
8.0'	28.1	19.6'	35.8'
10.0'	18	24.5'	44.7'

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

70199 • L2TRV-48LP45-Q/3C/PIR • 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

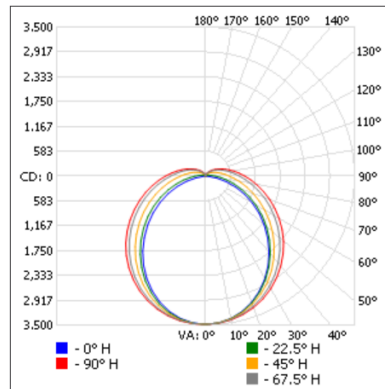
Illuminance at a distance

Center beam fc		Beam width	
1.7'	649	4.2'	7.9'
3.3'	172	8.1'	15.4'
5.0'	75.1	12.3'	23.3'
6.7'	41.8	16.5'	31.2'
8.3'	27.2	20.5'	38.6'
10.0'	18.8	24.7'	46.6'

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

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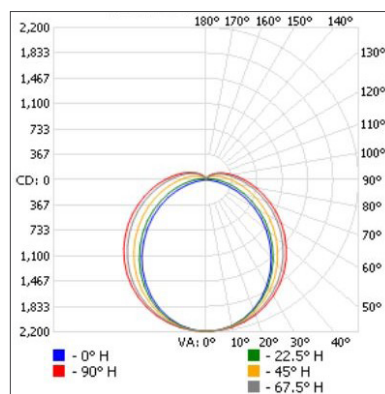
PHOTOMETRIC DATA¹
70030 • L2TRV-48LP80-Q/3C • 80 W • 4 000 K • 12 409.7 lm
Polar candela distribution

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'	870.8		4.9' 9.4'
4.0'	217.7		9.8' 18.8'
6.0'	96.8		14.8' 28.3'
8.0'	54.4		19.7' 37.7'
10.0'	34.8		24.6' 47.1'

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

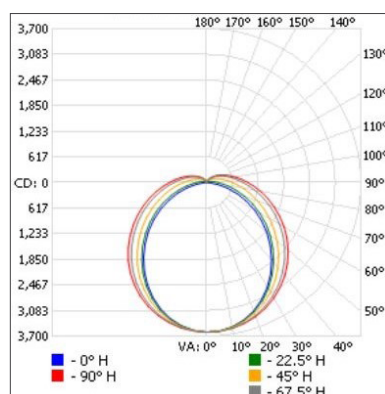
69403 • L2TRV-48LS2-Q/3C • 4 000 K • 7 778.3 lm
Polar candela distribution

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°

69404 • L2TRV-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°

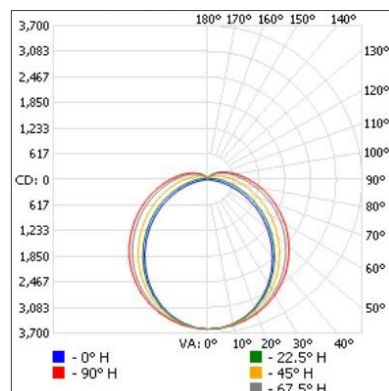
¹ Complete IES files available on our website.

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PHOTOMETRIC DATA¹

70200 • L2TRV-96LP90-Q/3C/PIR • 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.

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