

Project: \_\_\_\_\_

Type: \_\_\_\_\_

Drawn by: \_\_\_\_\_ Catalogue #: \_\_\_\_\_

Date: \_\_\_\_\_

## VTL8-L GEN 2

### 3 CCT AND POWER SELECTABLE, NEMA 4X, NSF VAPOR TIGHT

#### Optional Emergency Remote

This 8' luminaire ideal for a variety of industrial and commercial applications. Installed either indoors or outdoors, the VTL8-L provides superior light distribution and is intended for environments where moisture and/or dust may be present. Perfect for applications requiring the complete containment of LEDs for easy washability and hose down. The VTL8-L series can withstand reduced temperatures and moderate impact.

#### FEATURES AND SPECIFICATIONS

##### • Construction

###### Physical Characteristics

- Lightweight, slim and durable impact-resistant polycarbonate construction
- Easy installation and maintenance. Gear tray is attached to the lens exposing the internal components when the fixture is in open position. Change the color temperature and desired lumen output with the simple touch of a button
- Uniform gasketed seal and reinforced stainless steel clips block the ingress of moisture and dust
- Pre-drilled end-holes and two watertight glands are offered with each fixture to preserve integrity of internal components

###### Mounting options

Surface (ceiling/wall), suspended or 90° surface mounting. Set of 2 V-hooks and 2 mounting clips included with each fixture for surface or suspended mounting with chain or aviation cable

###### Lens

The frosted LED diffusing pigment lens provides uniform light distribution and has been UV stabilized to ensure that there is no yellowing over time. This impact-resistant polycarbonate lens is impervious to rust or rot and is unaffected by extreme temperatures.

##### • 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 54 000 to L70
- 0-10 V dimming driver. Dimming cables sold separately
- 2kV surge protection (standard). See options table for additional surge protection.
- Operating temperature: -40°C to +40°C (-40°F to +104°F)

##### • Optional Emergency Lighting

Normally ON emergency remote vapor proof luminaire "Link"

- Consuming 11 W, 12-24 VDC
- 200 mA constant current
- Delivers 1 120 - 2 400 lumens in emergency mode
- Ease of maintenance when used with Stanpro emergency lighting battery units complete with auto test function
- 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

- Suitable for damp & wet locations
- IP66
- Meets requirements of ICES-005 (Class B)
- UL1598, UL8750
- cCSAus
- cETLus certified
- NSF certified (Splash Zone and Non Food Zone)
- NEMA 4X
- IK10
- DLC Premium, DLC Standard
- BC Hydro



#### OVERVIEW

Light source	LED
Watts (W)	65 65/75/90/110
Lumen output (lm)	9 445 - 16 101
Efficacy (lm/W)	141 - 150
Color temperature (K)	3 CCT (3 500/4 000/5 000 K)
CRI	80+
Weight (lbs)	9.8 - 10.5

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](http://www.designlights.org/search).

**QUICK SHIP AND TECHNICAL SPECIFICATION TABLE**

Order code	Model number	Watts (W)	Volts (VAC)	Color temp. (K) <sup>1</sup>	Lumen output (lm) <sup>2,3</sup>	Efficacy (lm/W)	CRI	Life L70 (hrs) <sup>4</sup>	Tested hours LM-80 (hrs) <sup>4</sup>	Dimming	Power factor	THD (%)
<b>8'</b>												
69568	VTL8-LS1B-Q-3C	65	120-347	3 500/4 000/5 000	9 622	150	80+	> 54 000	9 000	0-10 V	>0.9	<20
69569	VTL8-PS110B-Q-3C	65/75/90/110	120-347	3 500/4 000/5 000	9 796/11 148/13 121/16 101	146	80+	> 54 000	9 000	0-10 V	>0.9	<20

<sup>1</sup> Typical color temperature range: +/- 5 %.  
<sup>2</sup> Lumen values are derived from photometric testing. Initial lumens range: +/- 10 %.  
<sup>3</sup> Lumen values are derived from DLC reported data at 4 000 K. Please refer to the LUMEN SPECIFICATION TABLE for more details on other color temperatures  
<sup>4</sup> Life hours are derived from IESNA LM-80 testing report and projected per IESNA TM-21 extrapolations

**DLC UNIQUE ID TABLE**

Order code	Model Number	DLC Premium Unique ID <sup>1</sup>	DLC Premium Unique ID <sup>2</sup>	DLC Standard Unique ID <sup>3</sup>
69568	VTL8-LS1B-Q-3C	S-FGUWTE	S-GT07AH	S-QSEA1C
69569	VTL8-PS110B-Q-3C	S-0IY51Q	S-CYM3SB	S-DJH3FO

<sup>1</sup> Primary Use Designation: Stairwell and Passageway Luminaires  
<sup>2</sup> Primary Use Designation: High-Bay Luminaires for Commercial and Industrial Buildings  
<sup>3</sup> Primary Use Designation: Direct Linear Ambient Luminaires

**ORDERING GUIDE**

Series	Lumen package (lm)	Volts (VAC)	Color temp. (K)	Options
VTL8	LS1B - 65 PS110B - 65/75/90/110	Q - 120-347	3C - 3 500/4 000/5 000	Blank - No sensor OS <sup>1,3</sup> - Occupancy sensor DIM1 <sup>2</sup> - 5 wire cable for AC and 0-10 V dimming L6 - 6 ft white power cord L10 - 10 ft white power cord L6-BK - 6 ft black power cord L10-BK - 10 ft black power cord EL1 <sup>7</sup> - 1 LINK Normally ON emergency EL2 <sup>7</sup> - 2 LINK Normally ON emergency DL <sup>3,5,6</sup> - Emergency back up (0°C - 25°C) 120 V, 120-277 V KV - 10 kV surge protection CH <sup>4</sup> - Center hole 7/8" AC <sup>2,4</sup> - Aviation cable kit BM - Genio Bluetooth <sup>®</sup> Mesh internal integrated fixture adapter (69733) BMS - Genio Bluetooth <sup>®</sup> Mesh internal high frequency sensor (69732) integrated fixture adapter (69733)

<sup>1</sup> To see available options, please consult the occupancy sensors section  
<sup>2</sup> When selecting AC or DIM1 option, please also select cable option whether L6, L10, L6-BK or L10-BK. DL option not compatible with DIM1  
<sup>3</sup> When selecting CH, OS (external) and DL options, the fixture maintains wet location status, however NEMA 4X and IP rating are not applicable  
<sup>4</sup> Aviation cable length based on selected power cable length  
<sup>5</sup> Fixture functional in AC mode, when power goes off emergency driver (DL) powers LED boards. One emergency driver per fixture is standard unless otherwise specified  
<sup>6</sup> Emergency backup only available for 120-277 V  
<sup>7</sup> The LINK Emergency Power conversion module is compatible with all the following configurations: PS110B. Not compatible with the following options: DL, OS (external). When in Emergency Mode, unit only consumes 11 watts  
**For Emergency Lighting spacing, please see p.5**

**LUMEN SPECIFICATION TABLE**

Order Code	Model Number	Watts (W)	Volts (V)	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)
69568	VTL8-LS1B-Q-3C	65	120-347	9 445	146	9 622	149	9 336	144
		65		9 512	146	9 796	150	9 651	148
69569	VTL8-PS110B-Q-3C	75		10 824	144	11 148	148	10 982	146
		90		12 740	141	13 121	146	12 926	143
		110	15 634	142	16 101	146	15 862	144	

**DEFAULT PROGRAMMING**

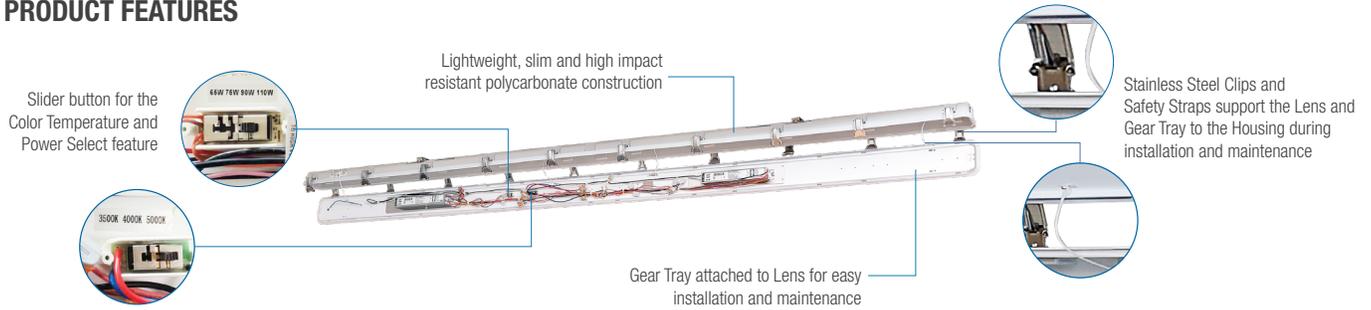
69569	110 W / 4 000 K
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**LINK TECHNICAL SPECIFICATION TABLE**

Lumen package	Luminaire Watts (W)	LINK Watts (W)	3 CCT (3 500/4 000/5 000 K)	
			Lumen output (lm)	
VTL8-LS1B-Q-3C/EL1	65	11	1 120	
	65		1 120	
VTL8-PS110B-Q-3C/EL1	75	11	1 200	
	90		1 200	
	110		1 200	
VTL8-PS110B-Q-3C/EL2	65	22	2 400	
	75		2 400	
	90		2 400	
	110		2 400	

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.

**PRODUCT FEATURES**



**ACCESSORIES (INCLUDED IN THE BOX)**



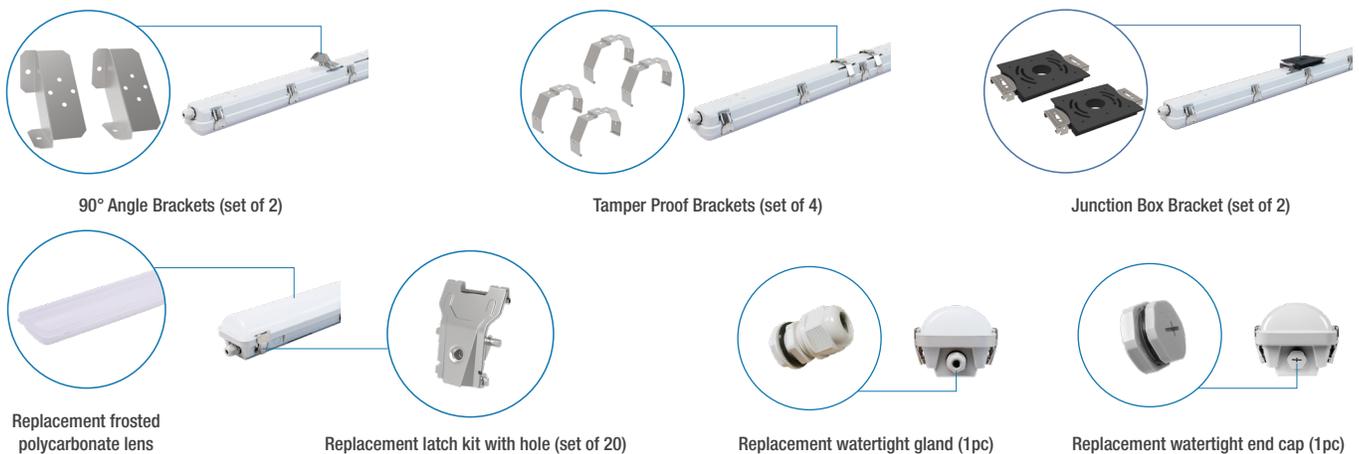
**ACCESSORIES (SOLD SEPARATELY)**

Order code	Type	Compatible with
69588	Surface Mounting Brackets and V-Hooks (set of 2pcs)	All configurations
69589	90° Angle Brackets (set of 2pcs)	All configurations
69591	Tamper Proof Brackets (set of 4pcs)	All configurations
69669 <sup>1</sup>	Junction Box Bracket (set of 2pcs)	All configurations
69994	8ft replacement frosted polycarbonate lens	All configurations
70014	Stainless steel replacement latch kit with hole (set of 20pcs)	All configurations
70403	Replacement hardware kit: watertight end caps (2pcs), watertight glands (2pcs), surface mount brackets (2pcs), V-hooks (2pcs) and mounting hardware	All configurations
70404	Replacement watertight gland (1pc)	All configurations
70405	Replacement watertight end cap (1pc)	All configurations
69084	Vandal Resistant Screws (18cs)	All configurations
69085	Bit for Vandal Resistant Screw (1pc)	69084

**SMART ACCESSORIES (SOLD SEPARATELY)**

Order code	Type	Compatible with
69733	Genio Bluetooth® Mesh internal integrated fixture adapter	All configurations
70222	Genio Bluetooth® Mesh kit internal high frequency sensor (69732) and integrated fixture adapter (69733)	All configurations

<sup>1</sup> Accessory requires additional center hole (CH) on top of housing. Fixture maintains wet location status, however NEMA 4X and IP ratings are not applicable with CH. Please see installation instructions for more details



**COMPATIBLE DIMMERS<sup>1</sup>**

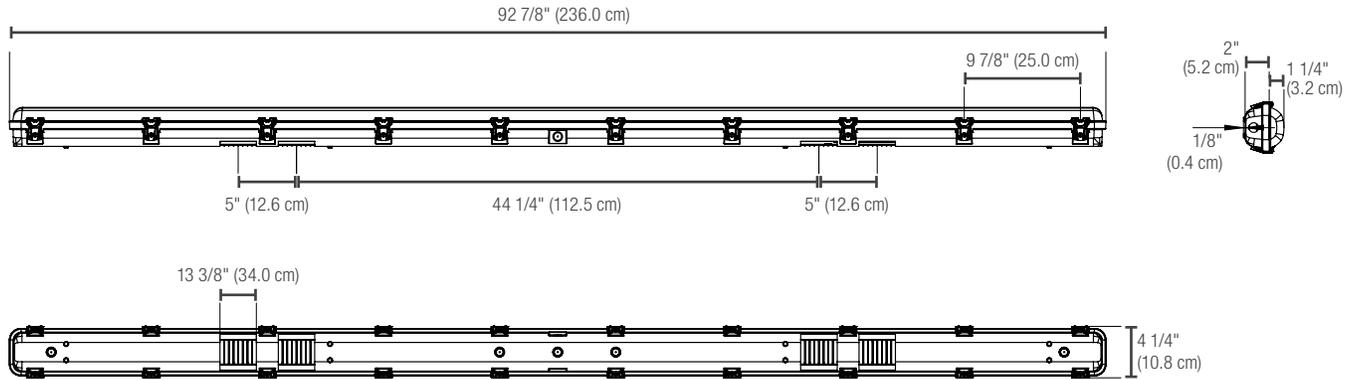
Brand	Model
Leviton	DS710-10Z, DD710-BDZ, IP710-LFZ
Lutron	DVSTV-453P, MAESTRO MS-Z101

Dimming range: 10 %-100 %

<sup>1</sup> This table shows dimmers that have been tested and have demonstrated proper operation under normal conditions. Each installation being unique, various factors such as load, common neutrals or other electrical products on the circuit can, in certain instances, cause variance in system performance. Read and comply to the dimmer installation instructions. Consult dimming system manufacturer for additional support in operation. Some dimmers may require more than one product for stable operation. Stanpro recommends to use dimmers designed to work with LED products. Older dimmers designed for incandescent products may cause erratic operation.

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**DIMENSIONS**



**OCCUPANCY SENSORS**

**ON-OFF SENSORS**

Detection - On at (Detection Area) % during (Hold Time) min. Off

Part number	Position	Volts (V)	Technology	Height (ft)	Detection Area (%)	Hold time (min)	Daylight min level (lux)	Remote <sup>1</sup>	Location <sup>2</sup> (°C)
OSE-PO-0302	External	120-347	PIR	20-40	100	20	N/A		Dry, -40° to +40°C
OSE-PO-0501	External	120-347	PIR	15-40	100	15	3 000	OSI-FSIR-100	Dry, 0° to +40°C
OSE-PO-0502	External	120-347	PIR	15-40	100	15	3 000		Dry, 0° to +40°C
OSE-PO-0701	External	120-277	PIR	20	100	15	N/A		Wet, -40° to +40°C
OSI-FO-1601	Internal	120-277	High Frequency	20	100	10	Disable	OSI-RC100	Dry and Wet, -40° to +40°C
OSI-FO-1701	Internal	120-347	High Frequency	13	100	10	Disable		Dry and Wet, -20° to +40°C

**BI-LEVEL SENSORS**

Detection - On at (Detection Area) % during (Hold Time) min., then (Stand-by Dim level) %

Part number	Position	Volts (V)	Technology	Height (ft)	Detection Area (%)	Hold time (min)	Stand-by Dim level (%)	Daylight min level (lux)	Remote <sup>1</sup>	Location <sup>2</sup> (°C)
OSE-FB-0402	External	120-347	High Frequency	50 max	100	20	30	50	OSI-RC-MH10	Wet, -35° to +40°C
OSI-FB-1601	Internal	120-277	High Frequency	20	100	10	50	Disable	OSI-RC100	Dry and Wet, -40° to +40°C
OSI-FB-1602	Internal	120-277	High Frequency	20	100	10	30	Disable	OSI-RC100	Dry and Wet, -40° to +40°C
OSI-FB-1701	Internal	120-347	High Frequency	13	100	10	50	Disable		Dry and Wet, -20° to +40°C
OSI-FB-1702	Internal	120-347	High Frequency	13	100	10	30	Disable		Dry and Wet, -20° to +40°C

**TRI-LEVEL SENSORS**

Detection - On at (Detection Area) % during (Hold Time) min., then (Stand-by Dim level) % during (Stand-by period) min. Off

Part number	Position	Volts (V)	Technology	Height (ft)	Detection Area (%)	Hold time (min)	Stand-by Dim level (%)	Stand-by period (min)	Daylight min level (lux)	Remote <sup>1</sup>	Location <sup>2</sup> (°C)
OSE-FT-0402	External	120-347	High Frequency	50 max	100	30	30	10	50	OSI-RC-MH10	Wet, -35° to +40°C
OSI-FT-1601	Internal	120-277	High Frequency	20	100	10	30	30	Disable	OSI-RC100	Dry and Wet, -40° to +40°C
OSI-FT-1602	Internal	120-277	High Frequency	20	100	10	30	30	50	OSI-RC100	Dry and Wet, -40° to +40°C
OSI-FT-1701	Internal	120-347	High Frequency	13	100	10	30	30	Disable		Dry and Wet, -20° to +40°C
OSI-FT-1702	Internal	120-347	High Frequency	13	100	10	30	30	50		Dry and Wet, -20° to +40°C

<sup>1</sup> To be ordered separately.

<sup>2</sup> Min and max ambient temperature of the fixture with the specific sensor. Please verify fixture temperature on the first page for compatibility with sensor.

For more settings visit [www.standardpro.com/documentation/technical-information/](http://www.standardpro.com/documentation/technical-information/)

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# LINK

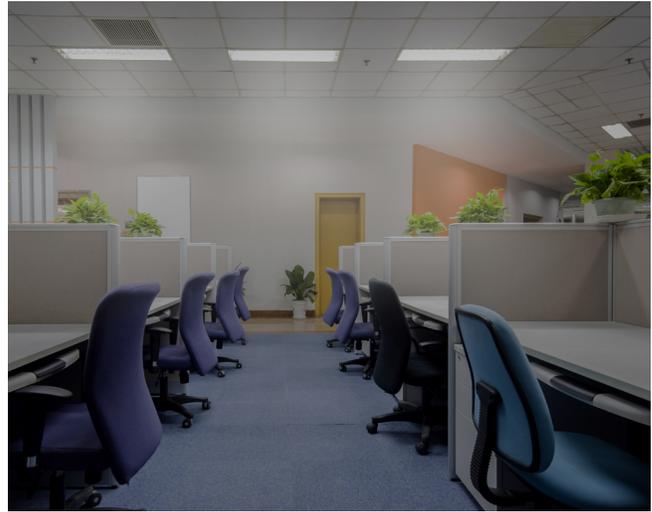
## NORMALLY ON EMERGENCY REMOTE LUMINAIRE

This unit 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 vapor tight, 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 , the fixture shall act as an Emergency Lighting remote and consume 11W of DC power in \_ V producing 1645 - 3366 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 120V, 277V or 347V, 60 Hz and be CSA listed. The unit shall have an output of: \_\_V and \_\_W. The charge voltage factory set to ± 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.

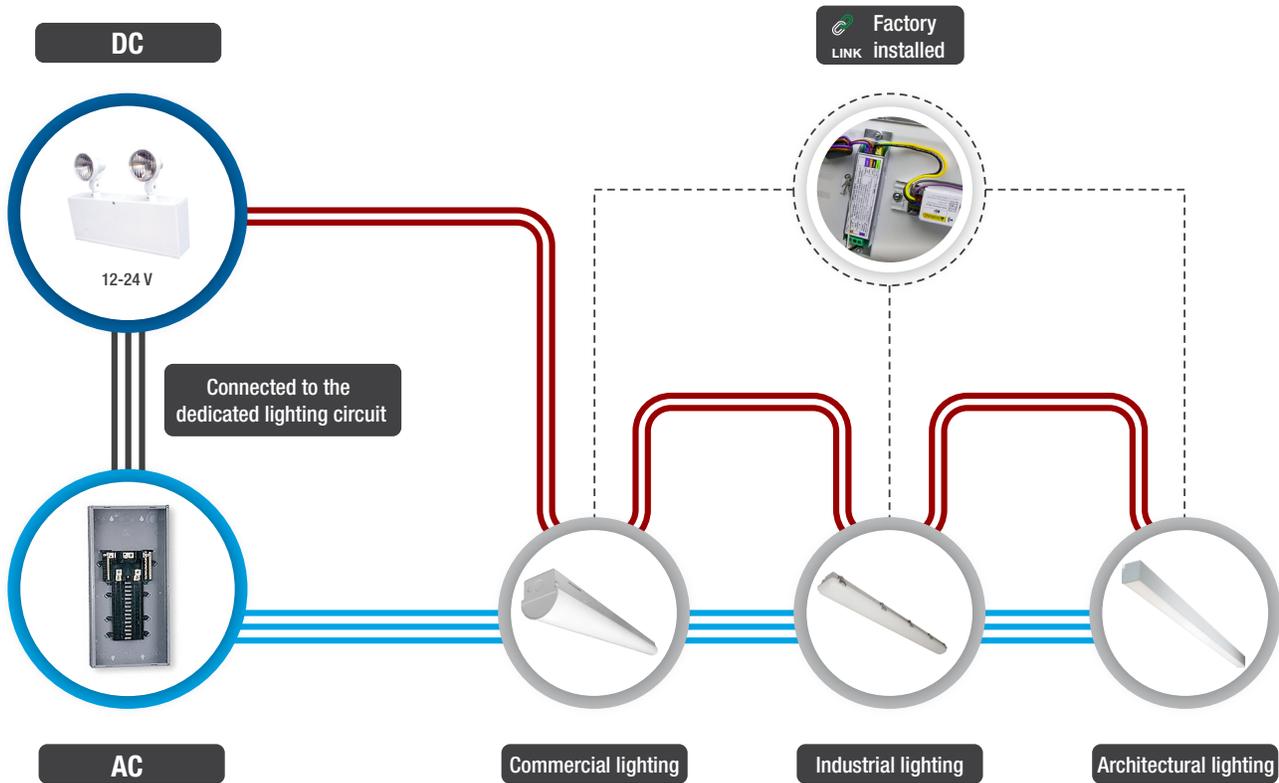
The automated testing performed by the Stanpro Auto-Test system has been designed to comply with all of the requirements of the National Fire Code. Every month a 5 minute discharge and diagnostic test checks the operational status of the unit. Every 12 months this test is extended to the full 30 minute, Code required duration. This insures 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



**LEGEND**

- AC wires
- Connected to the dedicated lighting circuit
- DC wires
- LINK factory installed

Commercial lighting	Foot spacing
VTL8-L GEN. 2	41 foot spacing <sup>1</sup>

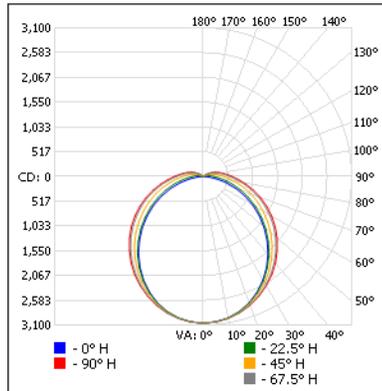
<sup>1</sup> Applicable for 8', 10' or 12' ceilings

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**PHOTOMETRIC DATA<sup>1</sup>**

69568 • VTL8-LS1B-Q-3C • 65 W • 4 000 K • 9 622 lm

**Polar candela distribution**



**Zonal lumen summary**

Zone	Lumens	% Fixture
0-30	2 307.5	22.7
0-40	3 781.5	37.1
0-60	6 784.3	66.6
60-90	2 682.9	26.3
70-100	1 813.7	17.8
90-120	653.7	6.4
0-90	9 467.2	92.9
90-180	720.3	7.1
0-180	10 187.4	100

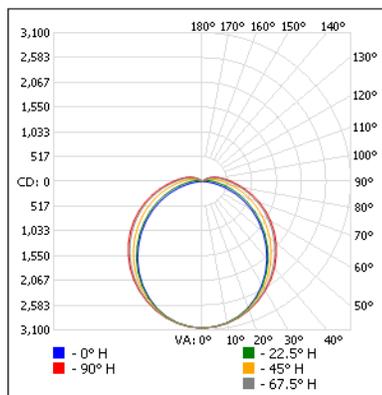
**Illuminance at a distance**

Center beam fc		Beam width	
1.7'	1 032	4.5'	7.1'
3.3'	274	8.8'	13.8'
5.0'	119	13.3'	10.9'
6.7'	66.4	17.9'	28.0'
8.3'	43.3	22.1'	34.7'
10.0'	29.8	26.7'	41.9'

■ Vert. spread: 106.2°  
■ Horiz. spread: 128.9°

69569 • VTL8-PS110B-Q-3C • 65 W • 4 000 K • 10 255 lm

**Polar candela distribution**



**Zonal lumen summary**

Zone	Lumens	% Fixture
0-30	2 360.8	23
0-40	3 861.4	37.7
0-60	6 894.6	67.2
60-90	2 657.7	25.9
70-100	1 777.8	17.3
90-120	631.8	6.2
0-90	9 552.2	93.1
90-180	702.6	6.9
0-180	10 254.9	100

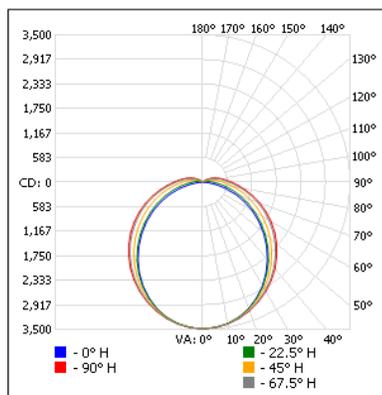
**Illuminance at a distance**

Center beam fc		Beam width	
1.7'	1 059	4.5'	6.7'
3.3'	281	8.7'	13.0'
5.0'	122	13.2'	19.8'
6.7'	68.2	17.7'	26.5'
8.3'	44.4	21.9'	32.8'
10.0'	30.6	26.3'	39.5'

■ Vert. spread: 105.6°  
■ Horiz. spread: 126.3°

69569 • VTL8-PS110B-Q-3C • 75 W • 4 000 K • 11 676 lm

**Polar candela distribution**



**Zonal lumen summary**

Zone	Lumens	% Fixture
0-30	2 687.9	23
0-40	4 396.4	37.7
0-60	7 849.9	67.2
60-90	3 026.0	25.9
70-100	2 024.2	17.3
90-120	719.4	6.2
0-90	10 875.8	93.1
90-180	800.0	6.9
0-180	11 675.8	100

**Illuminance at a distance**

Center beam fc		Beam width	
1.7'	1 206	4.5'	6.7'
3.3'	320	8.7'	13.0'
5.0'	139	13.2'	19.8'
6.7'	77.6	17.7'	26.5'
8.3'	50.6	21.9'	32.8'
10.0'	34.8	26.3'	39.5'

■ Vert. spread: 105.6°  
■ Horiz. spread: 126.3°

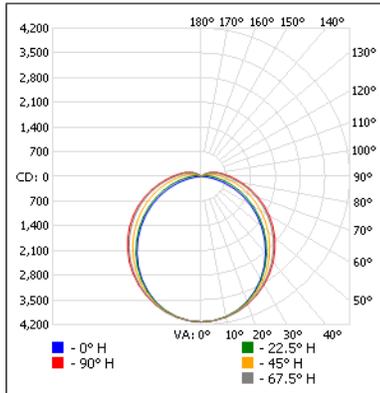
<sup>1</sup> Complete IES files available on our website.

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**PHOTOMETRIC DATA<sup>1</sup>**

69569 • VTL8-PS110B-Q-3C • 90 W • 4 000 K • 13 813 lm

**Polar candela distribution**



**Zonal lumen summary**

Zone	Lumens	% Fixture
0-30	3 179.8	23
0-40	5 201.0	37.7
0-60	9 286.4	67.2
60-90	3 579.7	25.9
70-100	2 394.6	17.3
90-120	851.0	6.2
0-90	12 866.1	93.1
90-180	946.4	6.9
0-180	13 812.5	100

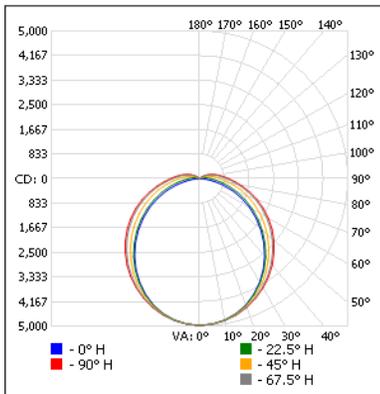
**Illuminance at a distance**

Center beam fc		Beam width	
1.7'	1 426	4.5'	6.7'
3.3'	379	8.7'	13.0'
5.0'	165	13.2'	19.8'
6.7'	91.8	17.7'	26.5'
8.3'	59.8	21.9'	32.8'
10.0'	41.2	26.3'	39.5'

■ Vert. spread: 105.6°  
■ Horiz. spread: 126.3°

69569 • VTL8-PS110B-Q-3C • 110 W • 4 000 K • 16 665 lm

**Polar candela distribution**



**Zonal lumen summary**

Zone	Lumens	% Fixture
0-30	3 836.4	23
0-40	6 275.0	37.7
0-60	11 204.1	67.2
60-90	4 318.9	25.9
70-100	2 889.1	17.3
90-120	1 026.8	6.2
0-90	15 523.0	93.1
90-180	1 141.8	6.9
0-180	16 664.9	100

**Illuminance at a distance**

Center beam fc		Beam width	
1.7'	1 721	4.5'	6.7'
3.3'	457	8.7'	13.0'
5.0'	199	13.2'	19.8'
6.7'	111	17.7'	26.5'
8.3'	72.2	21.9'	32.8'
10.0'	49.7	26.3'	39.5'

■ Vert. spread: 105.6°  
■ Horiz. spread: 126.3°

<sup>1</sup> Complete IES files available on our website.

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