

Project: _____

Type: _____

Drawn by: _____ Catalogue #: _____

Date: _____

VTL4-L

3 CCT SELECT, NEMA 4X, NSF VAPOR TIGHT

Optional Emergency Remote

A 4' luminaire ideal for a variety of industrial, commercial applications. Installed either indoors or outside, the VTL4-L provides superior light distribution. Intended for applications where moisture and/or dust may be present. Also appropriate for those applications that may require: washability/hose down, complete containment of the LEDs, the ability to withstand reduced temperatures and withstand moderate impact. Seals dust out.

FEATURES AND SPECIFICATIONS

• Construction

Housing

- Lightweight, slim and durable polycarbonate construction makes the luminaire highly impact resistant
- The housing is sealed with a uniform gasket that blocks the ingress of moisture and dust and reinforced snap clips lock the luminaire together
- Comes standard with stainless steel latches

Mounting options

Stainless steel mounting hardware for ceiling or suspended mounting. V-hooks also provided for suspension on chain or aviation cable mounting.

Lens

Polycarbonate frosted lens with LED diffusing pigment is impervious to rust or rot and is unaffected by extreme temperatures.

• Technical specifications

- 3 CCT (3 500/4 000/5 000 K)
- 120-277 V or 120-347 V
- 0-10 V dimming driver. Dimming cables sold separately, see ordering guide
- 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 1316 to 1408 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 VTL4-L 4', 3CCT, 3 Power selectable, multi-volt 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

• General Lighting Compliances

- Suitable for damp & wet locations
- IP66
- Meets requirements of ICES-005
- UL1598, UL 8750
- cETLus certified
- NSF
- NEMA 4X
- IK10



OVERVIEW

Light source	LED
Watts (W)	42 - 65
Lumen output (lm)	5 450 - 8 560
Efficacy (lm/W)	130
Color temperature (K)	3 CCT (3 500/4 000/5 000)
CRI	80+

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.

* 5 year warranty for the LINK module.

QUICK SHIP AND TECHNICAL SPECIFICATION TABLE  ¹

Order code	Model number	DLC unique ID	Watts (W)	Volts (V AC)	Color temp. (K) ²	Lumen output (lm) ³	Efficacy (lm/W)	CRI	Life L70 (hrs) ⁴	Tested hours LM-80 (hrs) ⁴	Dimming	Power factor	THD (%)
4'													
68319	VTL4-LS3-W/3C	PLDM6AU3WNEG	42	120-277	3 CCT (3 500/4 000/5 000)	5 450	130	80+	>50 000	140 000	0-10 V	0.9951	7.58
68320	VTL4-LS4-W/3C	PLW4QC7UOLNS	67	120-277	3 CCT (3 500/4 000/5 000)	8 560	128	80+	>50 000	140 000	0-10 V	0.928	13.56
68322	VTL4-LS3-Q/3C	PLAKT91G7RKG	42	120-347	3 CCT (3 500/4 000/5 000)	5 450	130	80+	>50 000	140 000	0-10 V	0.9981	9.53
68323	VTL4-LS4-Q/3C	PLHKWBBWLJ17	65	120-347	3 CCT (3 500/4 000/5 000)	8 560	132	80+	>50 000	140 000	0-10 V	0.9956	9.37

¹ **QUICK SHIP:** Product availability is subject to change without notice. Please contact your Stanpro customer service representative to confirm inventory levels at time of order.

² Typical color temperature range: +/- 5 %.

³ Lumen values are based on 3 500 K default setting. Please refer to Quick Ship Technical Specification Table for more details on other color temperatures.

⁴ Life hours are derived from IESNA LM-80-08 testing report and projected per IESNA TM-21-11 extrapolations.

ORDERING GUIDE

VTL4 — L — — — / 3C /

Series	Lamp type	Lumen package (lm)	Volts (V)	Color temp. (K)	Options
VTL4	L - LED	S3 - 5 460 S4 - 8 450	W - 120-277 Q - 120-347	3C - 3 500 4 000 5 000	Blank - No sensor OS ¹⁻³ - Occupancy sensor DIM1 ² - 5 wire cable for AC and 0-10 V dimming EL1 ⁶ - 1 LINK Normal ON Emergency Remote DL ^{3,5} - Emergency backup (0°C - 25°C) KV - 10k V Surge protector L6 - 6' white power cord L10 - 10' white power cord L6-BK - 6' black power cord L10-BK - 10' black power cord CH - Center hole 7/8" AC - Aviation cable kit PVM ⁴ - Pivot mount brackets (surface mount ceiling and wall)

¹ To see available options, please consult the occupancy sensors section.

² When selecting DIM1 option please also select cable option whether L6, L10, L6-BK or L10-BK.

³ The options DL and OSI are not compatible together.

⁴ Pivot mount brackets (surface mount ceiling and wall).

⁵ When selecting DL option, the fixture maintains wet location status, NEMA 4X and IP rating are no longer applicable.

⁶ **When in Emergency Mode, unit only consumes 11 watts.**
For Emergency Lighting spacing, please see p.5.

QUICK SHIP SPECIFICATION TABLE

Order Code	Model Number	3 500 K			4 000 K		5 000 K	
		Watts (W)	Lumen output (lm)	Efficacy (lm/W)	Lumen output (lm)	Efficacy (lm/W)	Lumen output (lm)	Efficacy (lm/W)
68319	VTL4-LS3-W/3C	42	5 450	130	5 690	133	5 524	129
68320	VTL4-LS4-W/3C	67	8 559	128	9 260	136	8 990	132
68322	VTL4-LS3-Q/3C	42	5 450	130	5 690	133	5 524	129
68323	VTL4-LS4-Q/3C	65	8 550	132	9 260	136	8 990	132

DEFAULT PROGRAMMING

68319	42 W / 4 000 K
68320	67 W / 4 000 K
68322	42 W / 4 000 K
68323	65 W / 4 000 K

LINK TECHNICAL SPECIFICATION TABLE

Lumen package	Luminaire Watt (W)	Link Watts (W)	3 500 K	4 000 K	5 000 K
			Lumen output (lm)	Lumen output (lm)	Lumen output (lm)
S3	42	11	1 316	1 368	1 408
S4	65		1 316	1 368	1 408

ACCESSORIES (ORDER SEPARATELY)

Order code	Model Number	Type	Compatible with
69083	HAR1144-1	Vandal Resistant Screw (10pcs)	All configurations
69085	HAR1144-BIT	Bit for Vandal Resistant Screw (1pc)	69083
OSI-RC100	OSI-RC100	Remote control	OSI-FO-1601, OSI-FB-1601, OSI-FB-1602, OSI-FT-1601, OSI-FT-1602

COMPATIBLE DIMMERS¹

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

¹ 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.

Dimming range: 10 % - 100 %

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.

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 ¹	Location ² (°C)
OSE-PO-0301	External	120-347	PIR	20-40	100	20	N/A		Dry, -10° to +40°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, -10° to +40°C
OSE-PO-0502	External	120-347	PIR	15-40	100	15	3 000		Dry, -10° to +40°C
OSE-PO-0701	External	120-277	PIR	20	100	15	N/A		Wet, -40° to +40°C
OSI-FO-1501	Internal	120-347 (12V)	High Frequency	13	100	10	Disable		Dry and Wet, -20° to +40°C
OSI-FO-1601	Internal	120-277	High Frequency	20	100	10	Disable	OSI-RC100	Dry and Wet, -40° 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 ¹	Location ² (°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-1501	Internal	120-347	High Frequency	13	100	10	50	Disable		Dry and Wet, -20° to +40°C
OSI-FB-1502	Internal	120-347	High Frequency	13	100	10	30	Disable		Dry and Wet, -20° 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

TRI-LEVEL SENSORS

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

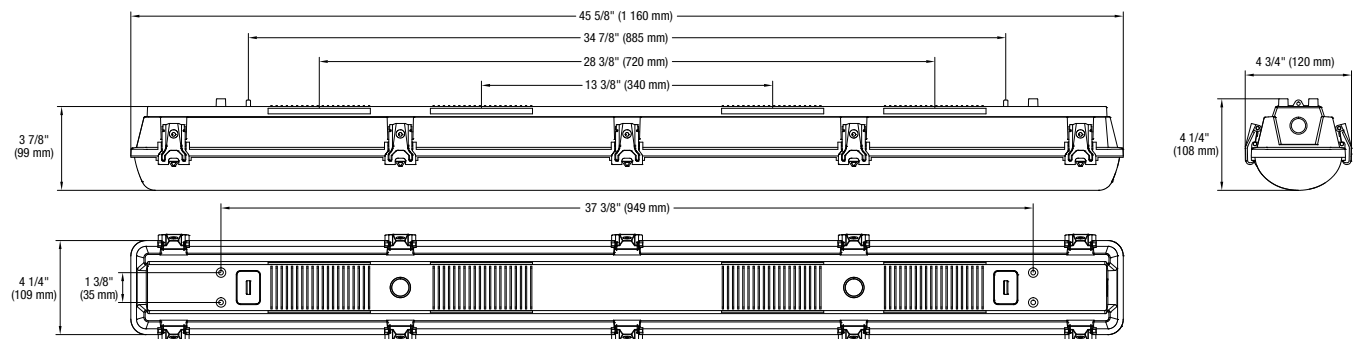
Part number	Position	Volts (V)	Technology	Height (ft)	Detection Area (%)	Hold time (min)	Stand-by Dim level (%)	Stand-by period (min)	Daylight min level (lux)	Remote ¹	Location ² (°C)
OSE-FT-0402	External	120-347	High Frequency	50 max.	100	30	30	10	50	OSI-RC-MH10	Wet, -35° to +40°C
OSI-FT-1501	Internal	120-347	High Frequency	13	100	10	30	20	Disable		Dry and Wet, -20° to +40°C
OSI-FT-1502	Internal	120-347	High Frequency	13	100	10	30	20	50		Dry and Wet, -20° 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

¹ To be ordered separately.

² 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/

DIMENSIONS



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LINK

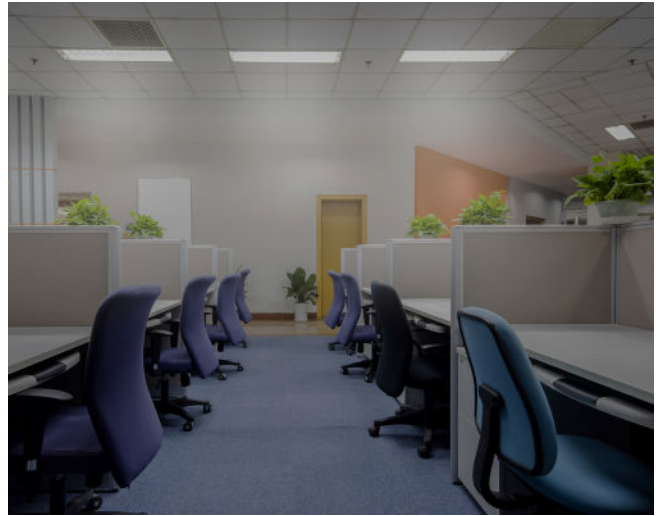
NORMALLY ON EMERGENCY REMOTE LUMINAIRE

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 1316 to 1408 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_ _____

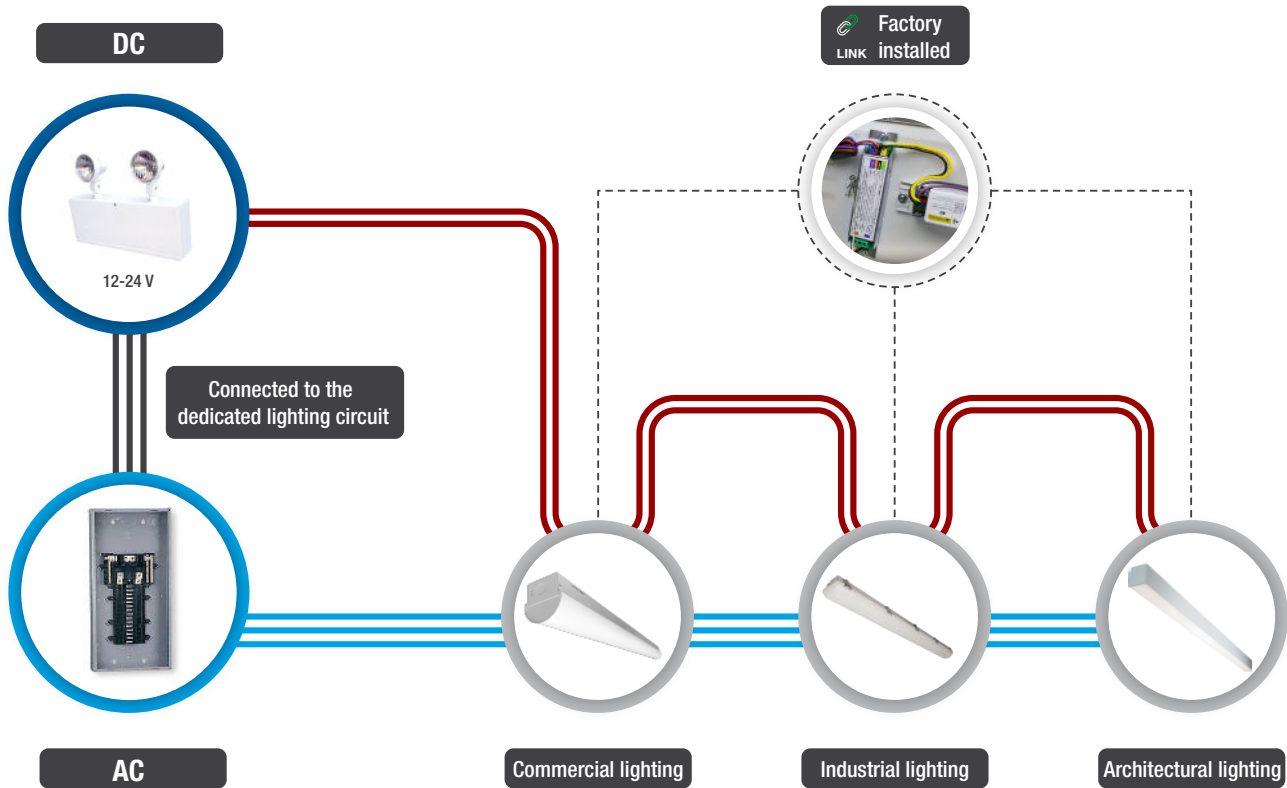
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LINK

NORMALLY ON EMERGENCY REMOTE LUMINAIRE

LINK Wiring Diagram

LINK
remote normally ON
emergency lighting
luminaire



LEGEND

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

Commercial lighting	Foot spacing
VTL4-L	42 foot spacing ¹

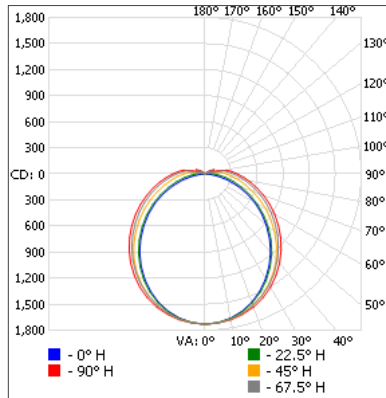
¹ Applicable for 8', 10' or 12' ceilings

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.

PHOTOMETRIC DATA¹

68319 & 68322 at 4 000 K • 5 690.1 lm

Polar candela distribution



Zonal lumen summary

Zone	Lumens	% Fixture
0-30	1 334.7	23.5%
0-40	2 182.8	38.4%
0-60	3 880.2	68.2%
60-90	1 473.9	25.9%
70-100	993.7	17.5%
90-120	296.5	5.2%
0-90	5 354.2	94.1%
90-180	336.0	5.9%
0-180	5 690.1	100%

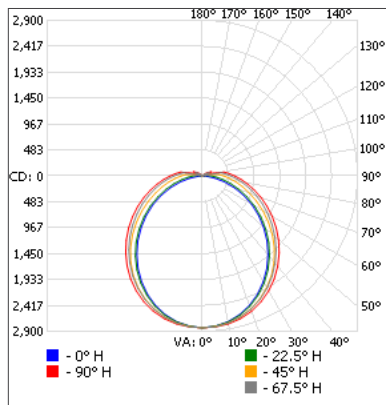
Illuminance at a distance

Center beam fc	Beam width	
4.3'	93.5 fc	11.1' 16.8'
8.7'	22.8 fc	22.5' 34.0'
13.0'	10.2 fc	33.6' 50.8'
17.3'	5.78 fc	44.7' 67.6'
21.7'	3.67 fc	56.1' 84.7'
26.0'	2.56 fc	67.2' 101.5'

■ Vert. spread: 104.5°
■ Horiz. spread: 125.8°

68320 & 68323 at 4 000 K • 9 260.3 lm

Polar candela distribution



Zonal lumen summary

Zone	Lumens	% Fixture
0-30	2 188.8	23.6%
0-40	3 577.5	38.6%
0-60	6 342.4	68.5%
60-90	2 378.9	25.7%
70-100	1 603.4	17.3%
90-120	477.1	5.2%
0-90	8 721.3	94.2%
90-180	539.0	5.8%
0-180	9 260.3	100%

Illuminance at a distance

Center beam fc	Beam width	
4.3'	153 fc	11.0' 16.6'
8.7'	37.4 fc	22.2' 33.6'
13.0'	16.8 fc	33.2' 50.2'
17.3'	9.46 fc	44.2' 66.8'
21.7'	6.01 fc	55.4' 83.7'
26.0'	4.19 fc	66.4' 100.3'

■ Vert. spread: 103.8°
■ Horiz. spread: 125.2°

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.