STANPRO

Project: _____   Type: _____

Drawn by : _____   Catalogue #: _____   Date: _____

VTL8-L

8' NEMA 4X, NSF VAPOR TIGHT

Optional Emergency Remote

A 8' luminaire ideal for a variety of industrial, commercial applications. Installed either indoors or outdoors, the VTL8-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 are 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**

  Driver
  - 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 1645 - 3366 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

- **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)	67 - 116
Lumen output (lm)	9 089 - 15 717
Efficacy (lm/W)	135 - 139
Color temperature (K)	4 000, 5 000
CRI	80+

5 yrs **warranty**

quick *ship*

LINK[1]
EMERGENCY LIGHTING LUMINAIRE
remote normally ON

LED *fixture*

wet *location*

IP 66

IK10

ICES *005*

DLC LISTED

ETL Intertek

NSF

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.

[1] 5 year warranty for the LINK module.

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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]	Power factor	THD (%)
8'											
68362	VTL8-LS1-Q/40K	P7GAL03V	67	120-347	4 000	9 089	136	80+	>50 000	0.986	10.63
68363	VTL8-LS1-Q/50K	PBXNTPEI	68	120-347	5 000	9 300	137	80+	>50 000	0.980	10.55
68484	VTL8-LS1A-Q/40K	PFRUY71X	88	120-347	4 000	11 860	135	80+	>50 000	0.913	15.52
68485	VTL8-LS1A-Q/50K	P9RUFKDQ	88	120-347	5 000	12 257	139	80+	>50 000	0.910	15.53
68486	VTL8-LS3-Q/40K	PA7H7VJ9	116	120-347	4 000	15 594	134	80+	>50 000	0.961	16.11
68487	VTL8-LS3-Q/50K	PUK9Y181	116	120-347	5 000	15 717	135	80+	>50 000	0.957	15

[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 derived from photometric testing. Initial lumens range: +/- 10 %.
[4] Life hours are derived from IESNA LM-80-08 testing report and projected per IESNA TM-21-11 extrapolations.

ORDERING GUIDE

| VTL8 | — | L | | — | Q | / | | / | |

Series	Lamp type	Lumen package (lm)	Volts (V)	Color temp. (K)	Options		
VTL8	L - LED	S1 - 8 450 S1A - 11 700 S3 - 15 000	Q - 120-347	40K - 4 000 50K - 5 000	**Blank -** No sensor **OS[1] -** Occupancy sensor **DIM1[2] -** 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 -** 1 LINK Normally ON emergency **EL2[4] -** 2 LINK Normally ON emergency **DL[3,5,6] -** Emergency back up (0°C - 25°C) **KV -** 10 kV surge protection **CH -** Center hole 7/8" **AC -** Aviation cable kit		

[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] Fixture functional in AC mode, when power goes off emergency bodine powers LED boards. One bodine per fixture is standard.

[4] Only on LS3.
[5] Emergency Backup only available for 120-277 V.
[6] When selecting DL option, the fixture maintains wet location status, however NEMA 4X and IP ratings are no longer applicable.
When in Emergency Mode, unit only consumes 11 watts.
For Emergency Lighting spacing, please see p.5

LINK TECHNICAL SPECIFICATION TABLE

Lumen package	Luminaire Watt (W)	Link Watts (W)	4 000 K Lumen output (lm)	5 000 K Lumen output (lm)
S1	67	11	1 645	1 683
S1A	88	11	1 645	1 683
S3 (1x LNK)	116		1 645	1 683
S3 (2x LNK)	116	22	3 290	3 366

ACCESSORIES (ORDER SEPARATELY)

Order code	Model Number	Type	Compatible with
69084	HAR1144-2	Vandal Resistant Screw (10pcs)	All configurations
69085	HAR1144-BIT	Bit for Vandal Resistant Screw (1pc)	69084
OSI-RC100	OSI-RC100	Remote control	OSI-FO-1601, OSI-FB-1601, OSI-FB-1602, OSI-FT-1601, OSI-FT-1602

COMPATIBLE DIMMERS[1]

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

Dimming range: 10 %-100 %

[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.

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.

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VTL8-L • Rev. 2023-8-9
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STANPRO

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-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-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
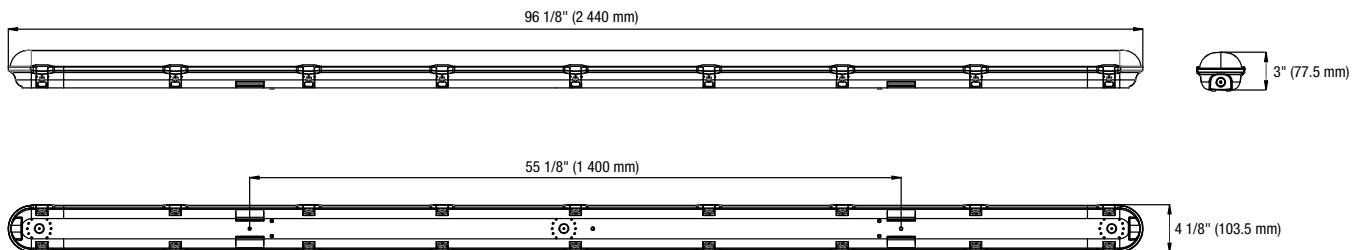
96 1/8" (2 440 mm)
3" (77.5 mm)
55 1/8" (1 400 mm)
4 1/8" (103.5 mm)

Data is based upon tests performed in a controlled environment. Actual performance can vary depending on operating conditions.
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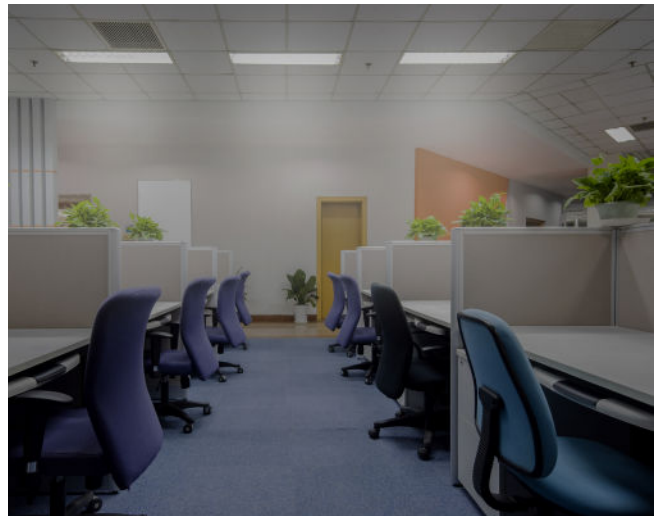514.342.1199, 1.800.361.6965 • 514-807-3011 • www.standardpro.com

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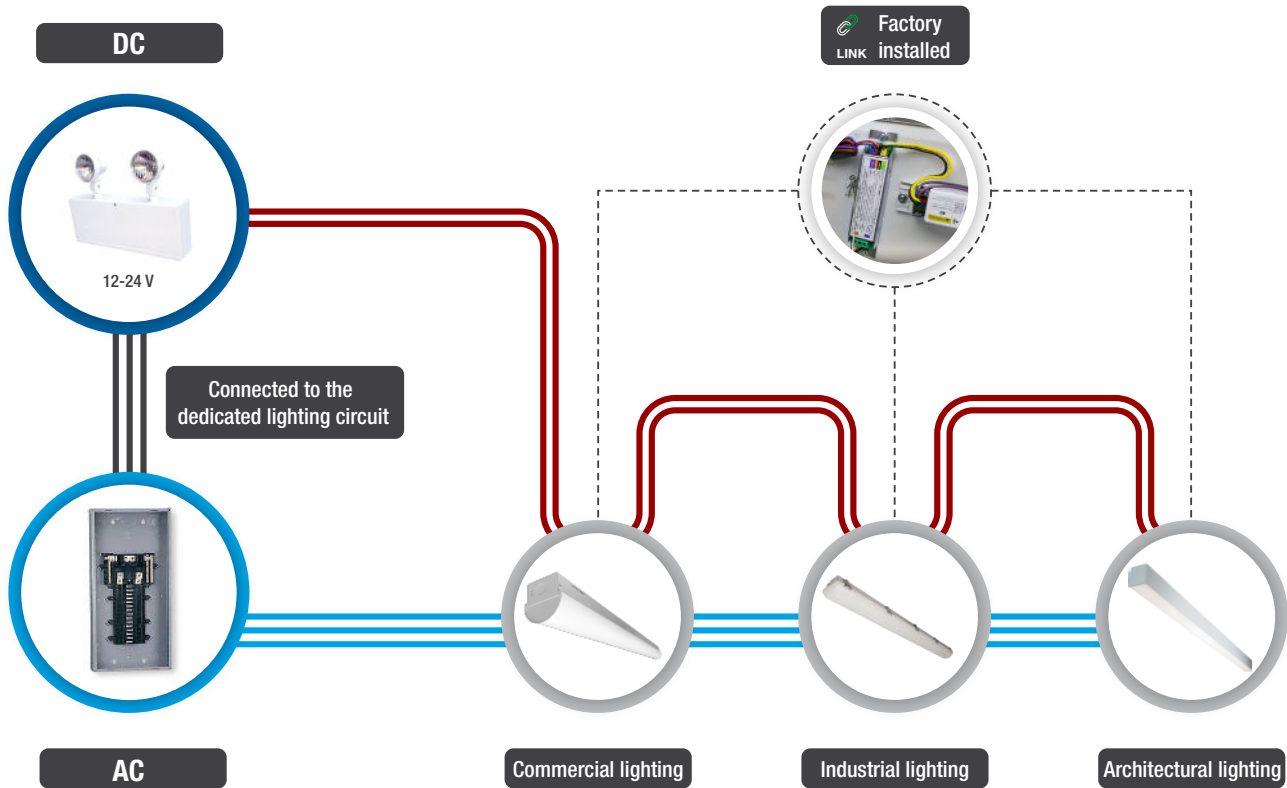
The automated testing performed by the Stanpro Auto-Test system has been designed to comply with all of the requirements of the National Fire Code. Every month a 5 minute discharge and diagnostic test checks the operational status of the unit. Every 12 months this test is extended to the full 30 minute,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

STANPRO

LINK
NORMALLY ON EMERGENCY REMOTE LUMINAIRE

LINK Wiring Diagram

LINK
remote
normally ON
*emergency lighting
luminaire*

DC

Factory installed
LINK

12-24 V

Connected to the dedicated lighting circuit

AC

Commercial lighting

Industrial lighting

Architectural lighting

LEGEND

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

Commercial lighting	Foot spacing
VTL8-L	41 foot spacing[1]

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

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PHOTOMETRIC DATA[1]

68362 • VTL8-LS1-Q/40K • 9 083.4 lm

Polar candela distribution
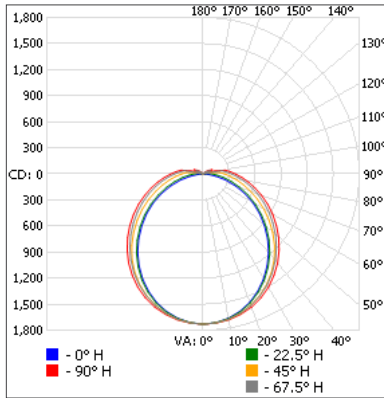
Zonal lumen summary

Zone	Lumens	% Fixture
0-30	2 096.3	23.1%
0-40	3 447.4	38%
0-60	6 210	68.4%
60-90	2 419.3	26.6%
70-100	1 571.4	17.3%
90-120	413.3	4.5%
0-90	8 629.4	95%
90-180	454.0	5%
0-180	9 083.4	100%

Illuminance at a distance

	Center beam fc	Beam width	
2.0'	673.2 fc	5.6'	8.1'
4.0'	168.3 fc	11.2'	16.2'
6.0'	74.8 fc	16.8'	24.3'
8.0'	42.1 fc	22.4'	32.4'
10.0'	26.9 fc	28.1'	40.5'
12.0'	18.7 fc	33.7'	48.6'
14.0'	13.7 fc	39.3'	56.6'
16.0'	10.5 fc	44.9'	64.7'
18.0'	8.3 fc	50.5'	72.8'
20.0'	6.7 fc	56.1'	80.9'
22.0'	5.6 fc	61.7'	89.0'
24.0'	4.7 fc	67.3'	97.1'
26.0'	4.0 fc	72.9'	105.2'

Vert. spread: 109.0°   Horiz. spread: 127.4°
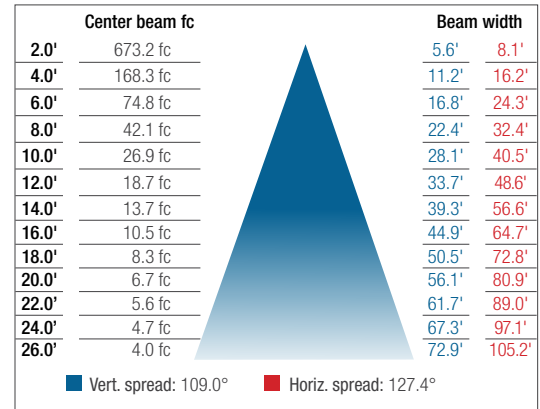
68484 • VTL8-LS1A-Q/40K • 11 847.7 lm

Polar candela distribution
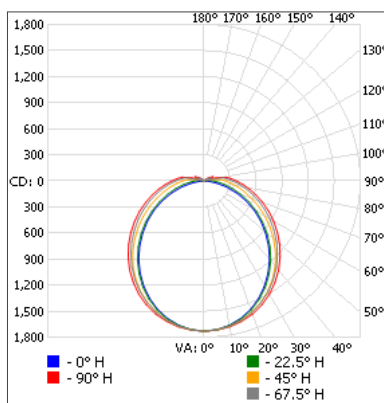
Zonal lumen summary

Zone	Lumens	% Fixture
0-30	2 734.2	23.1%
0-40	4 496.5	38%
0-60	8 099.9	68.4%
60-90	3 155.6	26.6%
70-100	2 049.6	17.3%
90-120	539.1	4.5%
0-90	11 255.5	95%
90-180	592.2	5%
0-180	11 847.7	100%

Illuminance at a distance

	Center beam fc	Beam width	
2.0'	878.0 fc	5.6'	8.1'
4.0'	219.5 fc	11.2'	16.2'
6.0'	97.6 fc	16.8'	24.3'
8.0'	54.9 fc	22.4'	32.4'
10.0'	35.1 fc	28.1'	40.5'
12.0'	24.4 fc	33.7'	48.6'
14.0'	17.9 fc	39.3'	56.6'
16.0'	13.7 fc	44.9'	64.7'
18.0'	10.8 fc	50.5'	72.8'
20.0'	8.8 fc	56.1'	80.9'
22.0'	7.3 fc	61.7'	89.0'
24.0'	6.1 fc	67.3'	97.1'
26.0'	5.2 fc	72.9'	105.2'

Vert. spread: 109.0°   Horiz. spread: 127.4°
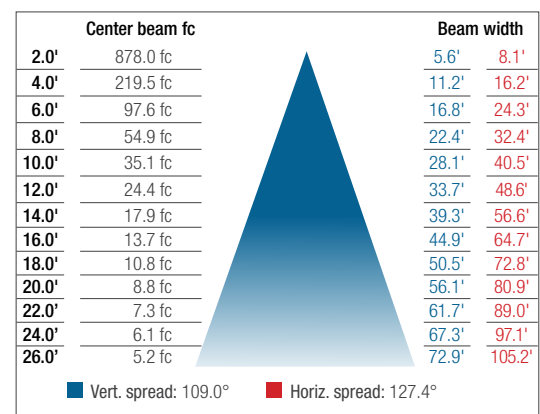
68486 • VTL8-LS3-Q/40K • 15 567.6 lm

Polar candela distribution
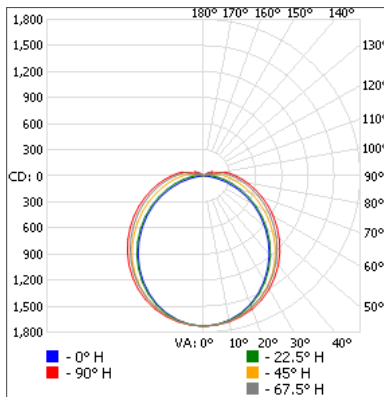
Zonal lumen summary

Zone	Lumens	% Fixture
0-30	3 592.7	23.1%
0-40	5 908.3	38%
0-60	10 643.1	68.4%
60-90	4 146.4	26.6%
70-100	2 693.1	17.3%
90-120	708.3	4.5%
0-90	14 789.5	95%
90-180	778.2	5%
0-180	15 567.6	100%

Illuminance at a distance

|	Center beam fc	Beam width	
2.0'	1 153.7 fc	5.6'	8.1'
4.0'	288.4 fc	11.2'	16.2'
6.0'	128.2 fc	16.8'	24.3'
8.0'	72.1 fc	22.4'	32.4'
10.0'	46.1 fc	28.1'	40.5'
12.0'	32.0 fc	33.7'	48.6'
14.0'	23.5 fc	39.3'	56.6'
16.0'	18.0 fc	44.9'	64.7'
18.0'	14.2 fc	50.5'	72.8'
20.0'	11.5 fc	56.1'	80.9'
22.0'	9.5 fc	61.7'	89.0'
24.0'	8.0 fc	67.3'	97.1'
26.0'	6.8 fc	72.9'	105.2'

Vert. spread: 109.0°   Horiz. spread: 127.4°
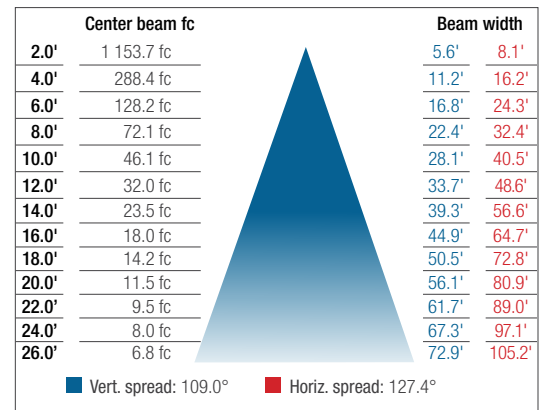
[1] Complete IES files available on our website.

Data is based upon tests performed in a controlled environment. Actual performance can vary depending on operating conditions.
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