

Series Spec Sheet

VTL4-L GEN. 2

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

Optional Emergency Remote

This 4' luminaire ideal for a variety of industrial and commercial applications. Installed either indoors or outdoors, the VTL4-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 VTL4-L series can withstand reduced temperatures and moderate impact.

FEATURES AND SPECIFICATIONS

• Construction

Housing

- 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 stainless steel 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, see ordering guide

- 2 kV surge protection (standard). See options table for additional surge protection.
- Operating temperature:
-40°C to +40°C (-40°F to +104°F)
DL: 0°C to +25°C (32° to 77°F)
LINK: -40°C to +40°C (-40°F to 104°F)
(when 65 W in ceiling mount, operating temperature with LINK is -40°C to +35°C / -40°F to +95°F)

• Optional Emergency Lighting

LINK Normally ON LED Vapor Tight Luminaire

- Consuming 11 W, 12-24 VDC
 - 200 mA constant current
 - Delivers 1216-1346 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 Vapor Tight 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 (Class B)
- UL1598, UL8750
- cETLus certified
- cCSAus
- NSF certified (Splash Zone and Non Food Zone)
- NEMA 4X
- IK10
- DLC Premium & DLC Standard
- BC Hydro



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) | 30/45/65 |
| Lumen output (lm) | 4 439 - 9 001 |
| Efficacy (lm/W) | 133 - 147 |
| Color temperature (K) | 3 CCT (3 500/4 000/5 000 K) |
| CRI | 80+ |
| Weight (lbs) | 5.2 |

QUICK SHIP AND TECHNICAL SPECIFICATION TABLE

| Order code | Model number | Watts (W) | Volts (V AC) | Color temp. (K) ¹ | Lumen output (lm) ^{2,3} | Efficacy (lm/W) | CRI | Life L70 (hrs) ⁴ | Tested hours LM-80 (hrs) ⁴ | Dimming | PF | THD (%) |
|------------|-----------------|--------------|-----------------|---------------------------------|-------------------------------------|--------------------|-----|--------------------------------|---|---------|------|------------|
| 4' | | | | | | | | | | | | |
| 69567 | VTL4-PS65B-Q-3C | 30/45/65 | 120-347 | 3 500/4 000/5 000 | 4 439/6 385/9 001 | 145 | 80+ | > 54 000 | 190 000 | 0-10 V | >0.9 | <20 |

¹ Typical color temperature range: +/- 5 %

² Lumen values are derived from photometric testing. Initial lumens range: +/- 10 %

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

DLC UNIQUE ID TABLE

| Order code | Model Number | DLC Premium Unique ID ¹ | DLC Standard Unique ID ² | DLC Standard Unique ID ³ |
|------------|-----------------|------------------------------------|-------------------------------------|-------------------------------------|
| 69567 | VTL4-PS65B-Q-3C | S-8E752G | S-B69105 | S-I3WZ0T |

¹ Primary Use Designation: Stairwell and Passageway Luminaires

² Primary Use Designation: Direct Linear Ambient Luminaires

³ Primary Use Designation: Low-Bay Luminaires for Commercial and Industrial Buildings

ORDERING GUIDE

| VTL4 | | | 3C | / | |
|--------|----------------------|---|------------------------------|---|--|
| Series | Lumen package (W) | Volts (V) | Color temp. (K) | Options | |
| VTL4 | PS65B - 30/45/65 | Q - 120-347 W - 120-277 ⁴ | 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 ⁷ - LINK Normal ON emergency remote DL ^{3,6} - Emergency back up (0°C - 25°C) 120 V, 120-277 V KV - 10 kV 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 ³ - Center hole 7/8" AC ^{2,5} - Aviation cable kit PVM - Pivot mount brackets (surface mount ceiling and wall) BM - Genio Bluetooth® Mesh internal integrated fixture adapter (69733) BMS - Genio Bluetooth® Mesh internal high frequency sensor (69732) integrated fixture adapter (69733) | |

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

² 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

³ When selecting CH, OS (external) and DL options, the fixture maintains wet location status, however NEMA 4X and IP rating are not applicable

⁴ Only available for luminaires when used with DL option

⁵ Aviation cable length based on selected power cable length

⁶ Fixture functional in AC mode, when power goes off emergency driver (DL) powers LED boards. One emergency driver per fixture is standard

⁷ The LINK Emergency Power conversion module is compatible with all the following configurations: PS42B and PS65B. 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) |
| 69567 | VTL4-PS65B-Q-3C | 30 | 120 - 347 | 4 278 | 142 | 4 439 | 147 | 4 288 | 142 |
| | | 45 | | 6 154 | 136 | 6 385 | 142 | 6 169 | 137 |
| | | 65 | | 8 675 | 133 | 9 001 | 138 | 8 696 | 133 |

DEFAULT PROGRAMMING

69567: 65 W / 4 000 K

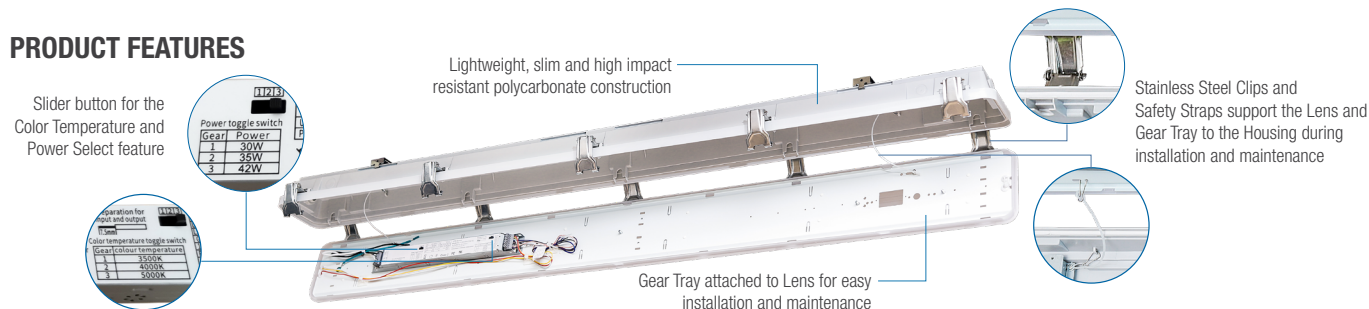
Data is based upon tests performed in a controlled environment. Actual performance can vary depending on operating conditions.

All products are subject to change or may be discontinued any time without notice.

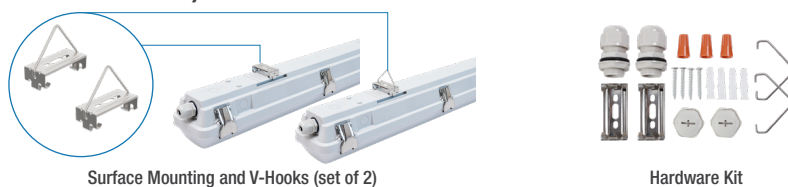
LINK TECHNICAL SPECIFICATION TABLE

| Lumen Package | Watts (W) | LINK Watts (W) | 3 CCT (3 500/4 000/5 000 K) |
|---------------|-----------|----------------|-----------------------------|
| | | | Lumen Output (Lm) |
| PS65B | 30 | 11 | 1 216 |
| | 45 | | |
| | 65 | | |

PRODUCT FEATURES



ACCESSORIES (INCLUDED IN THE BOX)



ACCESSORIES (SOLD SEPARATELY)

| Order code | Type | Compatible with |
|--------------------|---|--------------------|
| 69588 | Replacement Surface Mounting Brackets and V-Hooks (set of 2pcs) | All configurations |
| 69589 | 90° Angle Brackets (set of 2pcs) | All configurations |
| 69590 | Tamper Proof Brackets (set of 2pcs) | All configurations |
| 69668 ¹ | Junction Box Bracket (set of 1pc) | All configurations |
| 69993 | 4ft replacement frosted polycarbonate lens | All configurations |
| 70013 | Stainless steel replacement latch kit with hole (set of 10pcs) | 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 |
| 69083 | Vandal Resistant Screws (10pcs) | All configurations |
| 69085 | Bit for Vandal Resistant Screw (1pc) | 69083 |

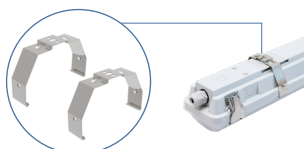
¹ Accessory requires additional center hole (CH) on top of housing. Fixture maintains wet location status, however NEMA 4X and IP ratings are not applicable with CH. Please see installation instructions for more details

SMART ACCESSORIES (SOLD SEPARATELY)

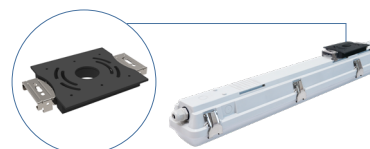
| Order code | Type | Compatible with |
|------------|---|--------------------|
| 69733 | Genio Bluetooth® Mesh internal integrated fixture adapter | All configurations |
| 70222 | Genio Bluetooth® Mesh kit internal high frequency sensor (69732) and integrated fixture adapter (69733) | All configurations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



90° Angle Brackets (set of 2)



Tamper Proof Brackets (set of 2)



Junction Box Bracket (set of 1)



Replacement frosted polycarbonate lens



Replacement latch kit with hole (set of 10)



Replacement watertight gland (1pc)



Replacement watertight end cap (1pc)

COMPATIBLE DIMMERS¹

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

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.

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.

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-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 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-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 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-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 |

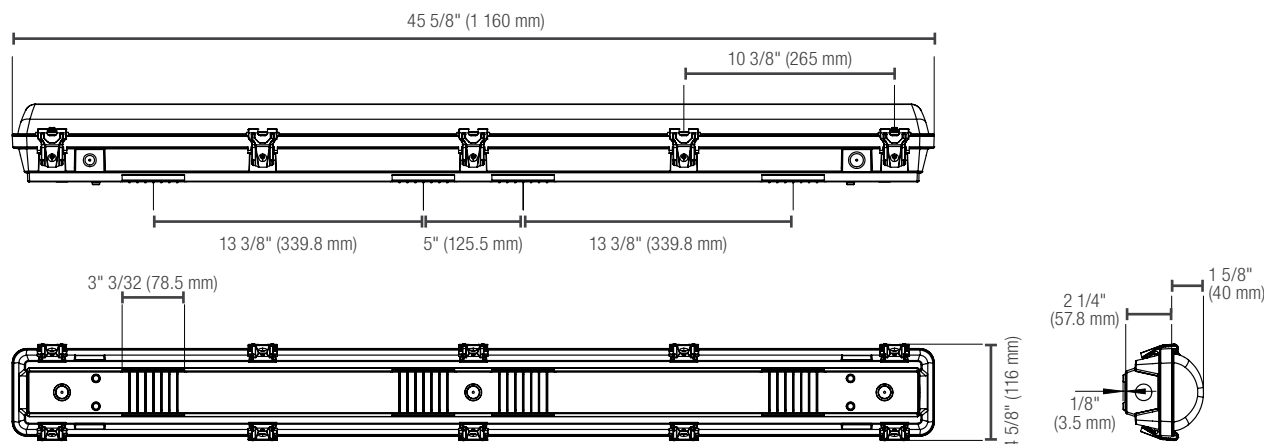
¹ To be ordered separately.

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

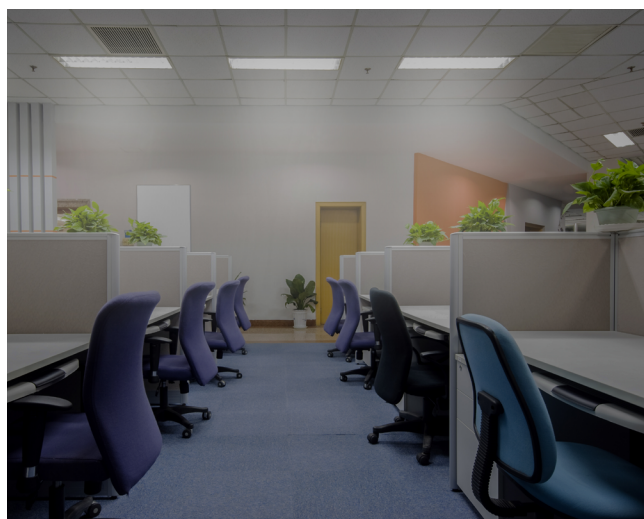
NORMALLY ON EMERGENCY REMOTE LUMINAIRE

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 $\pm 1\%$ 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 of 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_ _____

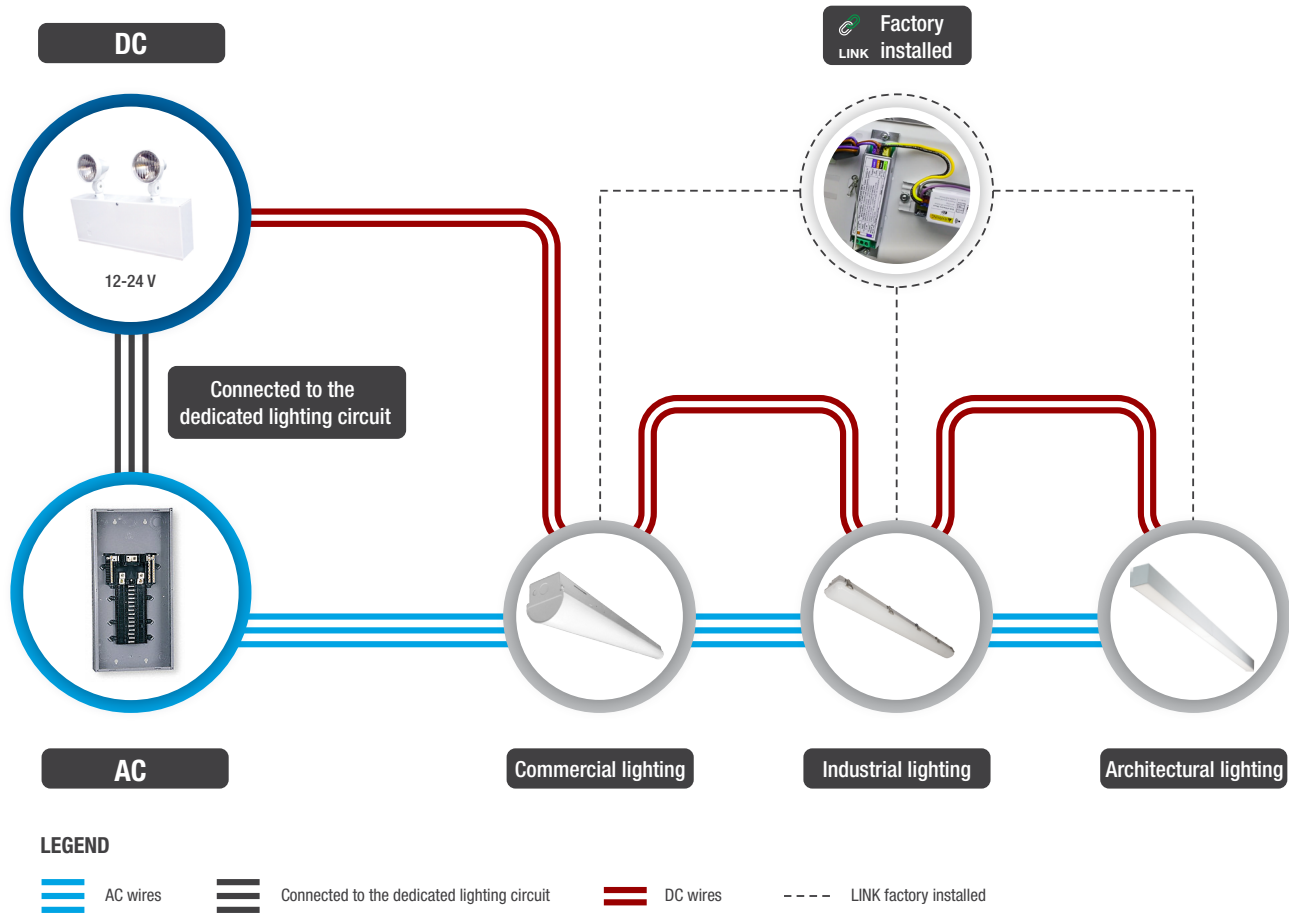
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LINK

NORMALLY ON EMERGENCY REMOTE LUMINAIRE

LINK Wiring Diagram

LINK
remote
normally ON
emergency lighting
luminaire



| Commercial lighting | Foot spacing |
|---------------------|------------------------------|
| VTL4-L GEN. 2 | 42 foot spacing ¹ |

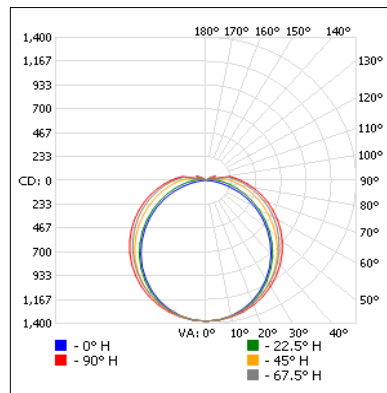
¹ Applicable for 8', 10' or 12' ceilings

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PHOTOMETRIC DATA¹

69567 • VTL4-PS65B-Q-3C • 30 W • 4 000 K • 4 702 lm

Polar candela distribution



Zonal lumen summary

| Zone | Lumens | % Fixture |
|--------|---------|-----------|
| 0-30 | 1 065.4 | 22.7 |
| 0-40 | 1 745.7 | 37.1 |
| 0-60 | 3 127.9 | 66.5 |
| 60-90 | 1 273.7 | 27.1 |
| 70-100 | 888.3 | 18.9 |
| 90-120 | 269.8 | 5.7 |
| 0-90 | 4 401.6 | 93.6 |
| 90-180 | 300.4 | 6.4 |
| 0-180 | 4 702.0 | 100 |

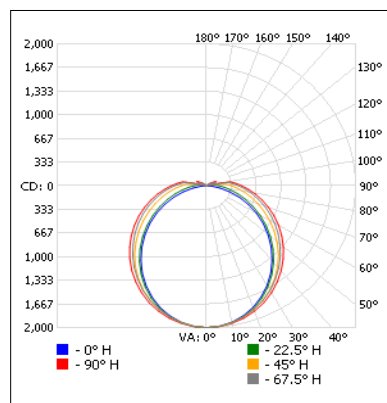
Illuminance at a distance

| Center beam fc | | Beam width | |
|----------------|------|------------|-------|
| 1.7' | 477 | 4.5' | 7.3' |
| 3.3' | 127 | 8.7' | 14.2' |
| 5.0' | 55.2 | 13.1' | 21.4' |
| 6.7' | 30.7 | 17.6' | 28.7' |
| 8.3' | 20.0 | 21.8' | 35.6' |
| 10.0' | 13.8 | 26.2' | 42.9' |

■ Vert. spread: 105.3°
■ Horiz. spread: 130.0°

69567 • VTL4-PS65B-Q-3C • 45 W • 4 000 K • 6 818 lm

Polar candela distribution



Zonal lumen summary

| Zone | Lumens | % Fixture |
|--------|---------|-----------|
| 0-30 | 1 544.8 | 22.7 |
| 0-40 | 2 531.2 | 37.1 |
| 0-60 | 4 535.5 | 66.5 |
| 60-90 | 1 846.9 | 27.1 |
| 70-100 | 1 288.1 | 18.9 |
| 90-120 | 391.2 | 5.7 |
| 0-90 | 6 382.3 | 93.6 |
| 90-180 | 435.5 | 6.4 |
| 0-180 | 6 817.9 | 100 |

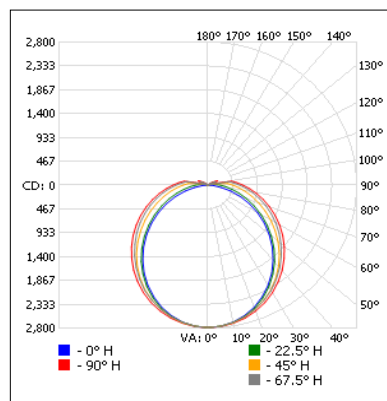
Illuminance at a distance

| Center beam fc | | Beam width | |
|----------------|------|------------|-------|
| 1.7' | 692 | 4.5' | 7.3' |
| 3.3' | 184 | 8.7' | 14.2' |
| 5.0' | 80.0 | 13.1' | 21.4' |
| 6.7' | 44.5 | 17.6' | 28.7' |
| 8.3' | 29.0 | 21.8' | 35.6' |
| 10.0' | 20.0 | 26.2' | 42.9' |

■ Vert. spread: 105.3°
■ Horiz. spread: 130.0°

69567 • VTL4-PS65B-Q-3C • 65 W • 4 000 K • 9 509 lm

Polar candela distribution



Zonal lumen summary

| Zone | Lumens | % Fixture |
|--------|---------|-----------|
| 0-30 | 2 154.4 | 22.7 |
| 0-40 | 3 530.2 | 31.7 |
| 0-60 | 6 325.3 | 66.5 |
| 60-90 | 2 575.7 | 27.1 |
| 70-100 | 1 796.4 | 18.9 |
| 90-120 | 545.5 | 5.7 |
| 0-90 | 8 901.0 | 93.6 |
| 90-180 | 607.4 | 6.4 |
| 0-180 | 9 508.5 | 100 |

Illuminance at a distance

| Center beam fc | | Beam width | |
|----------------|------|------------|-------|
| 1.7' | 956 | 4.5' | 7.3' |
| 3.3' | 256 | 8.7' | 14.2' |
| 5.0' | 112 | 13.1' | 21.4' |
| 6.7' | 62.1 | 17.6' | 28.7' |
| 8.3' | 40.5 | 21.8' | 35.6' |
| 10.0' | 27.9 | 26.2' | 42.9' |

■ Vert. spread: 105.3°
■ Horiz. spread: 130.0°

¹ Complete IES files available on our website.

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