

Vapor Tight Luminaire

emLITE
Series VTK
 REV #: VTK.04.26.01

EMERGENCY LIGHTING CONTROLS (ELC)

For use with Signtex Lighting DC Central Battery System

MODEL	ELC10P3		ELC40P7	
	EPR ¹ WATTS (MIN.)	EM LUMENS ²	EPR WATTS (MAX.) ³	EM LUMENS
VTK-21L	10	1575	40	6,300

NOTE:

Emergency lumens are calculated based on efficacy in the MID-LUMEN range (4000K) from the Electrical Data Table. The value is adjustable through the EPR range shown above. For maximum efficiency, EPR should be set at the minimum level for compliance with NFPA Life Safety Code, based on photometric data for the fixture when installed.

To calculate lumen output within the EPR range given:

$$\text{Lumens} = \text{EPR (watts)} \times \text{Luminaire Efficacy (Lm/watt)}$$

¹ Emergency power rating (Factory Adjustable).

² Nominal output at 4000K and Efficacy in Mid-Lumen Range.

³ Maximum Emergency Power Rating (EPR).

ACCESSORIES (ORDER SEPARATELY)

Sensor

- HD07VR-PH-1-90 = Passive infrared sensor with 90° elbow adapter- maximum mounting height = 39FT.
- HD07VR-MH-B-1-90 = Microwave step-dimming sensor with 90° elbow adapter - maximum mounting height = 49FT.
- HD09VR-PH5-1-90* = Passive infrared sensor with 90° elbow adapter- maximum mounting height = 39FT.
- HD09VR-MH5-1-90* = Microwave step-dimming sensor with 90° elbow adapter - maximum mounting height = 49FT.
- HD05R = Remote control for HD07VR-PH-1-90, HD07VR-MH-B-1-90, HD09VR-PH5-1-90 and HD09VR-MH5-1-90 (required for HD07VR models change factory settings)

*HD09VR series has 5-dial setting capability.

Factory settings for Sensor : detection area =100%, hold time = 5 sec, stand-by period = 0 sec, stand-by dimming level = 10%, daylight threshold = disabled

Lens

ZZ-LENS-VTSR-211816L = Replacement lens

Mounting Option

- CMK3 = 3 Meter cable mount kit
- CMK5 = 5 Meter cable mount kit

Remote Mount EM Drivers

- BLEM-CP-10C = 10W Emergency driver
- BLEM-CP-13C = 13W Emergency driver

COMPATIBLE EMERGENCY DRIVERS-INSTALLED

Emergency Driver Part Number	EM10		EM13	
	Watts	EM Lumens	Watts	EM Lumens
VTK-21L-SLSK	10	1600	13	2080

COMPATIBLE DIMMERS AND CONTROLS

Manufacturer	Model Number	Dimmer Range	Load Switching Capacity
Best Lighting	DWS-010V-T	10%-100%	600W
Best Lighting	DWS-010V-D	10%-100%	600W
Leviton	IP710-LFZ	10%-100%	1200W
Lutron	DVSTV	10%-100%	450W

ELECTRICAL DATA

Series	CCT	Input Amps (A)								
		Low Lumens			Mid Lumens			High Lumens		
		120V	240V	277V	120V	240V	277V	120V	240V	277V
VTK-21L-SLSK	3500K	0.82	0.41	0.36	0.94	0.47	0.41	1.09	0.54	0.47
	4000K	0.80	0.40	0.34	0.91	0.45	0.39	1.04	0.52	0.45
	5000K	0.81	0.41	0.35	0.93	0.47	0.40	1.08	0.54	0.47

LUMEN TABLES

Series	Measurements	Low Lumens			Mid Lumens			High Lumens		
		3500K	4000K	5000K	3500K	4000K	5000K	3500K	4000K	5000K
VTK-21L-SLSK	Lumens	15,773	16,261	16,264	17,538	18,257	18,276	20,359	21,066	21,001
	Watt	98.58	95.48	97.59	112.21	109.07	112.12	130.57	125.32	129.16
	Efficacy	160.00	170.31	166.66	156.30	167.39	163.00	155.92	168.10	162.60

PHOTOMETRIC DATA

VTK-21L-SLSK

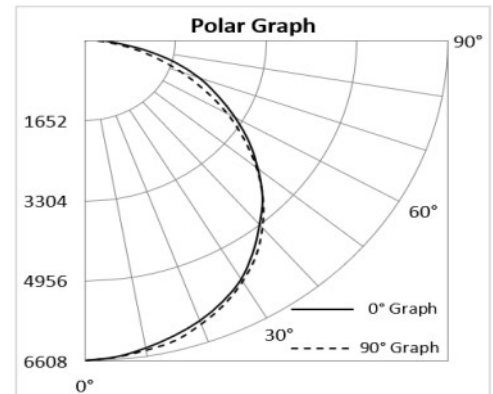
Luminaire Data

Description	4' H.O. Vapor Tight Lumen and Kelvin Select
Total Lumens	21,001
Input Wattage	129
Efficacy (lm/W)	163
Spacing Criterion (0-180°)	1.28
Spacing Criterion (90-270°)	1.3

Photometrics calculated at 4000k and highest lumen setting.

Zonal Lumen Summary

Zone	Lumens	%Fixt
0-20°	2,424	11.5%
0-30°	5,191	24.7%
0-40°	8,586	40.9%
20-50°	9,727	46.3%
40-70°	9,422	44.9%
0-60°	15,422	73.4%
0-80°	19,685	93.7%
0-90°	20,372	97.0%
90-180°	628	3.0%
0-180°	21,001	100.0%



PLUGS AND CORDS

When ordering a plug, use the following suffix choices.

Example: VTK-21L-SLSK-10C4

Note: Cord & plugs do not affect the ability to install sensors.

Part number suffix	Description	For use with
6C3	6' cord - 3 conductor (black/white/green)	Standard
6C4	6' cord - 4 conductor (black/white/green/red)	EM driver
6C5	6' cord - 5 conductor (black/white/green/purple/pink)	Dimming
6C6	6' cord - 6 conductor (black/white/green/red/purple/pink)	Dimming & EM driver
10C3	10' cord - 3 conductor (black/white/green)	Standard
10C4	10' cord - 4 conductor (black/white/green/red)	EM driver
10C5	10' cord - 5 conductor (black/white/green/purple/pink)	Dimming
10C6	10' cord - 6 conductor (black/white/green/red/purple/pink)	Dimming & EM driver
15C3	15' cord - 3 conductor (black/white/green)	Standard
15C4	15' cord - 4 conductor (black/white/green/red)	EM driver
15C5	15' cord - 5 conductor (black/white/green/purple/pink)	Dimming
15C6	15' cord - 6 conductor (black/white/green/red/purple/pink)	Dimming & EM driver
6P515	6' cord - 3 conductor (black/white/green) - NEMA 5-15 plug (120V/15A)	Standard luminaire
6P615	6' cord - 3 conductor (black/white/green) - NEMA 6-15 plug (240V/15A)	Standard luminaire
6P715	6' cord - 3 conductor (black/white/green) - NEMA 7-15 plug (277V/15A)	Standard luminaire
6P520	6' cord - 3 conductor (black/white/green) - NEMA 5-20 plug (120V/20A)	Standard luminaire
6P620	6' cord - 3 conductor (black/white/green) - NEMA 6-20 plug (277V/20A)	Standard luminaire
6P515L	6' cord - 3 conductor (black/white/green) - NEMA L5-15 plug (120V/15A locking)	Standard luminaire
6P615L	6' cord - 3 conductor (black/white/green) - NEMA L6-15 plug (240V/15A locking)	Standard luminaire
6P715L	6' cord - 3 conductor (black/white/green) - NEMA L7-15 plug (277V/15A locking)	Standard luminaire
6P520L	6' cord - 3 conductor (black/white/green) - NEMA L5-20 plug (120V/20A locking)	Standard luminaire
6P620L	6' cord - 3 conductor (black/white/green) - NEMA L6-20 plug (240V/20A locking)	Standard luminaire
6P720L	6' cord - 3 conductor (black/white/green) - NEMA L7-20 plug (277V/20A locking)	Standard luminaire
10P515	10' cord - 3 conductor (black/white/green) - NEMA 5-15 plug (120V/15A)	Standard luminaire
10P615	10' cord - 3 conductor (black/white/green) - NEMA 6-15 plug (240V/15A)	Standard luminaire
10P715	10' cord - 3 conductor (black/white/green) - NEMA 7-15 plug (277V/15A)	Standard luminaire
10P520	10' cord - 3 conductor (black/white/green) - NEMA 5-20 plug (120V/20A)	Standard luminaire
10P620	10' cord - 3 conductor (black/white/green) - NEMA 6-20 plug (277V/20A)	Standard luminaire
10P515L	10' cord - 3 conductor (black/white/green) - NEMA L5-15 plug (120V/15A locking)	Standard luminaire
10P615L	10' cord - 3 conductor (black/white/green) - NEMA L6-15 plug (240V/15A locking)	Standard luminaire
10P715L	10' cord - 3 conductor (black/white/green) - NEMA L7-15 plug (277V/15A locking)	Standard luminaire
10P520L	10' cord - 3 conductor (black/white/green) - NEMA L5-20 plug (120V/20A locking)	Standard luminaire
10P620L	10' cord - 3 conductor (black/white/green) - NEMA L6-20 plug (240V/20A locking)	Standard luminaire

PLUGS AND CORDS

When ordering a plug, use the following suffix choices.

Example: VTK-21L-SLSK-10P720L

Note: Cord & plugs do not affect the ability to install sensors.

Part number suffix	Description	For use with
10P720L	10' cord - 3 conductor (black/white/green) - NEMA L7-20 plug (277V/20A locking)	Standard luminaire
15P515	15' cord - 3 conductor (black/white/green) - NEMA 5-15 plug (120V/15A)	Standard luminaire
15P615	15' cord - 3 conductor (black/white/green) - NEMA 6-15 plug (240V/15A)	Standard luminaire
15P715	15' cord - 3 conductor (black/white/green) - NEMA 7-15 plug (277V/15A)	Standard luminaire
15P520	15' cord - 3 conductor (black/white/green) - NEMA 5-20 plug (120V/20A)	Standard luminaire
15P620	15' cord - 3 conductor (black/white/green) - NEMA 6-20 plug (277V/20A)	Standard luminaire
15P515L	15' cord - 3 conductor (black/white/green) - NEMA L5-15 plug (120V/15A locking)	Standard luminaire
15P615L	15' cord - 3 conductor (black/white/green) - NEMA L6-15 plug (240V/15A locking)	Standard luminaire
15P715L	15' cord - 3 conductor (black/white/green) - NEMA L7-15 plug (277V/15A locking)	Standard luminaire
15P520L	15' cord - 3 conductor (black/white/green) - NEMA L5-20 plug (120V/20A locking)	Standard luminaire
15P620L	15' cord - 3 conductor (black/white/green) - NEMA L6-20 plug (240V/20A locking)	Standard luminaire
15P720L	15' cord - 3 conductor (black/white/green) - NEMA L7-20 plug (277V/20A locking)	Standard luminaire

DISTRIBUTOR

Contact **Signtex** for layout assistance.

Code compliant emergency lighting layouts provided!

Specifications and dimensions subject to change without notice.