

Vapor Tight Sensor Ready Lumen & Kelvin Selectable

FEATURES

- Emergency lighting with adjustable Emergency Lighting Control (ELC), powered from a Signtex low-voltage central battery system.
- Available with factory-installed UL Listed Emergency Lighting Control (ELC), for connection to a Signtex central battery, DC emergency power system.
- Polycarbonate lens.
- Light gray polycarbonate housing with stainless steel latches.
- Field selectable 3500K (warm white), 4000K (neutral white) and 5000K (cool white) color temperatures.*
- Tri-lumen selectable delivers 5,000 to 7,000 nominal lumens*.
- Long-life LEDs provide 178,000 hours of operation with at least 70% of initial lumen output (L70), and 54,000 hours with at least 90% of initial lumen output (L90)**.
- Sensor-ready receptacle standard.
- Screw in sensor ready. Remote control required for programming (Sensor and remote control sold separately).
- LED color maintenance < -0.0016 chromaticity shift ($\Delta u'v'$) over the initial 6,000 hours of operation.
- Color rendering index > 80.
- Surface mount kit is standard and v-hooks included. (Chain sold separately)
- Optional cable mount kit provides luminaire suspension.
- Easy installation in new construction or retrofit applications.

ELECTRICAL

- Operating temperature (ambient): -40°C to 43°C (-40°F to 109°F).
- Universal 120-277V AC voltage (50-60Hz) is standard.
- 0-10VDC dimming drivers are standard.
- Emergency driver option available.
- Input transient surge protection = 2.5kV.
- Power factor > 0.90.
- Total Harmonic distortion < 20%

CODES COMPLIANCE

- cULus listed for wet locations.
- DLC premium listed.
- Complies with FCC part 15, class A.
- IP66 rated for ingress protection.
- IK10 rated for impact protection.
- Complies with NEMA 4X.
- Optional Certification for NSF/ANSI 2 Food Equipment for Food and Non Splash Zones.

WARRANTY

- 5 year total customer satisfaction warranty.
- For details see Signtex product catalog technical data section.

FIXTURE ORDERING INFORMATION EXAMPLE: BVT7LSLSK-ELCXX

BVT 7L SLSK ELCXXP6

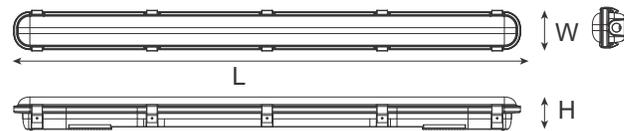
SERIES	SIZE	SELECTABLE ¹		OPTIONS
		NOMINAL LUMENS	COLOR TEMP	
BVT	7L	SL 7,000/ 6,000/ 5,000 lm	SK 3500K/ 4000K/ 5000K	ELCXX² Emergency Lighting Control **XX"= Varies with fixture size and power. See Options table for complete part number EM10 10W Emergency driver EM13 13W Emergency driver NSF NSF Certified

PROJECT:
TYPE:
CATALOG #:

emLITE
Series BVT
REV #: BVT.04.26.03



DIMENSIONS



Model #	L (in)	W (in)	H (in)	Weight (lbs)
BVT-7L-SLSK	47.24	3.77	3.10	4.64

* Default kelvin temperature 4000k and highest lumen output.
 **L70 & L90 hours are IES TM-21-11 calculated hours

STANDARD



OPTIONS

¹ Nominal values, See Electrical data for specific values.
² See ELC Power details table, Page2.

Vapor Tight Luminaire

emLITE
Series BVT

EMERGENCY LIGHTING CONTROLS (ELC)

For use with Signtex Lighting DC Central Battery System

REV #: BVT.04.26.03

MODEL	ELC10P3		ELC40P7	
	EPR ¹ WATTS (MIN.)	EM LUMENS ²	EPR WATTS (MAX.) ³	EM LUMENS
BVT-7L	10	1441	40	5,766

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-765L = 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
BVT-7L-SLSK	10	1441	13	1768

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

Vapor Tight Luminaire

ELECTRICAL DATA

Series	CCT	Input Amps (A)								
		Low Lumens			Mid Lumens			High Lumens		
		120V	240V	277V	120V	240V	277V	120V	240V	277V
BVT-7L-SLSK	3500K	0.31	0.15	0.13	0.37	0.18	0.16	0.44	0.22	0.19
	4000K	0.30	0.15	0.13	0.36	0.18	0.16	0.43	0.21	0.18
	5000K	0.31	0.15	0.13	0.37	0.18	0.16	0.44	0.22	0.19

LUMEN TABLES

Series	Measurements	Low Lumens			Mid Lumens			High Lumens		
		3500K	4000K	5000K	3500K	4000K	5000K	3500K	4000K	5000K
BVT-7L-SLSK	Lumens	5157	5303	5181	6009	6198	6034	7295	7611	7381
	Watt	37	36	37	44	43	44	53	51	53
	Efficacy	139.38	147.31	140.03	136.57	144.14	137.14	137.64	149.24	139.26

PHOTOMETRIC DATA

BVT-7L-SLSK

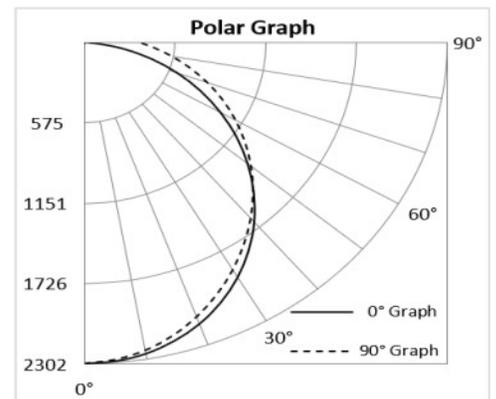
Luminaire Data

Description	4' Vapor Tight Slim Lumen and Kelvin Select
Total Lumens	7,382
Input Wattage	53
Efficacy (lm/W)	140
Spacing Criterion (0-180°)	1.26
Spacing Criterion (90-270°)	1.24

Photometrics calculated at 4000k and highest lumen setting.

Zonal Lumen Summary

Zone	Lumens	%Fixt
0-20°	838	11.4%
0-30°	1,772	24.0%
0-40°	2,893	39.2%
20-50°	3,222	43.7%
40-70°	3,142	42.6%
0-60°	5,146	69.7%
0-80°	6,657	90.2%
0-90°	7,010	95.0%
90-180°	372	5.0%
0-180°	7,382	100.0%



PLUGS AND CORDS

When ordering a plug, use the following suffix choices.

Example: BVT-7L-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: BVT-7L-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.