

EVS

Product Guide

11" Round LED Ceiling Light



DUAL LITE®

EVS Features

- Offered in AC only, AC and Emergency, with Heater Option
- Includes Self-Test , Self-Diagnostics
- 1200 Lumens in AC normally-On, and 350 Lumens in Emergency
- 4000K color temperature
- LED life-cycle of 50,000hours
- Dual-voltage 120 or 277V AC input, 50/60Hz.
- Emergency models designed for 90 minute runtime
- AC and Heater Option Models:-30°C to 40°C(-22°F to 104°F)
- Emergency Models: 0°C to 40°C(32°F to 104°F)
- 5 year full unit warranty
- Fixture ceiling mounts to a universal mounting plate(included) which is installed to a 3” single gang, 3 ½”, 4”octagon or 4” square electrical box
- Provided with pre-stripped leads for connection in j-box

Certifications



The EVS is offered in three colors to compliment a variety of architectural styles.



AC Models

The EVS is specifically designed for general illumination in residential and commercial applications for indoor/outdoor protected environments. The LED board contains 56 high power LEDs rated for 50,000 hours which provide a bright and uniform light pattern. Optics are diffused through a frosted polycarbonate lens. AC-only version includes 0-10V Dimming

AC Performance EVSWE-HTR - AC OPERATION

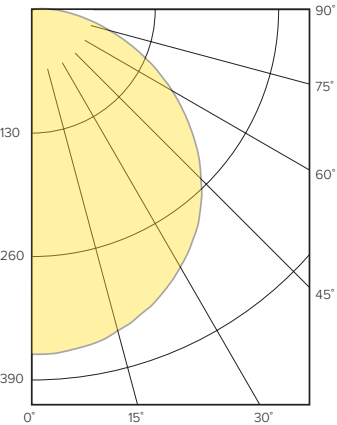
LUMINAIRE DATA

Test No.	20.00971
Description	EVSWE-HTR; AC Test w/ Plastic Refractor
Watts	17.6
Efficacy	64.5 lm/W
Mounting	ceiling
Spacing Criterion	1.28

ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
0-40	470	25.1
0-60	843	74.2
0-90	1119	98.6
0-180	1135	100.0

POLAR GRAPH



CANDELA DISTRIBUTION

Angle	Candela
0	363
5	362
15	350
25	328
35	296
45	252
55	199
65	142
75	85
85	40
90	24



Matching Emergency Models

For the emergency model, upon failure of normal utility power, a microprocessor controlled switch automatically activates the emergency LED lamp-heads. Upon resumption of normal utility power, the battery is disconnected from the load and recharged through a microprocessor controlled pulse charger. A battery door is provided for easy access and maintenance.

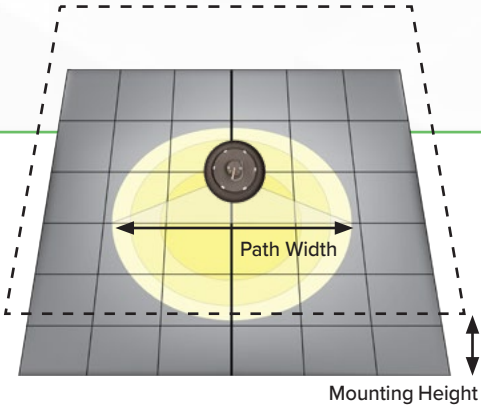
The battery is a maintenance-free Lithium iron phosphate battery type.



Emergency Unit Coverage

Single unit Coverage Emergency Mode		
Mounting Height	9'	
Path Width	8'	
Indoor Reflectance	80/50/20	45'
Outdoor Reflectance	0/30/10	33'

Meets Life Safety Code minimum illuminance of 0.1 fc and average illuminance of 1.0 fc. Assumes open space with no obstructions, ceiling height of 9' and reflectance of 1.0 80/50/20. Photometry files available on the Dual-Lite website.



Self-Test / Self-Diagnostics

- External push-to-test switch and AC-on indicator
- Battery recharge within 24 hours
- AC Lock-out circuit
- Low voltage battery disconnect
- For emergency models, Self-diagnostics monitors LED status, LED driver circuit, battery capacity and charger function and displays any fault detection by means of a flashing code
- Self-Test feature automatically runs a 1 minute test once a month and an alternating 30 or 60 minute test once every 6 months. Multi-color LED indicator provides visible fault detection and charging status
- User initiated 1, or 90-minute system test feature
- Automatic unit transfer in brown-out conditions (below 80% of nominal AC input voltage)

Emergency Performance

EVSWE-HTR - EMERGENCY OPERATION

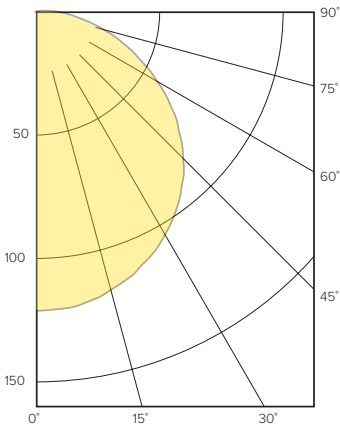
LUMINAIRE DATA

Test No.	20.00972
Description	EVSWE-HTR; Emergency Test w/ Plastic Refractor - 48 hr. battery charge
Watts	NA
Efficacy	21.5 lm/W
Mounting	ceiling
Spacing Criterion	1.28

ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
0-40	157	41.4
0-60	281	74.3
0-90	373	98.5
0-180	378	100.0

POLAR GRAPH



CANDELA DISTRIBUTION

Angle	Candela
0	121
5	121
15	117
25	109
35	99
45	84
55	67
65	47
75	28
85	14
90	8

Additional Product Info

Application

- The EVS is specifically designed for general illumination in residential and commercial applications for indoor/outdoor protected environments
- Emergency versions can be switched on/off along with the AC only fixtures for continuous lighting coverage
- Applications include multifamily dwellings with long hallways, apartment complexes and stairways

Construction

- Housing constructed of a high-strength steel with molded and frosted polycarbonate lens
- Emergency model includes battery compartment with removable steel door

Installation

- Fixture ceiling mounts to a universal mounting plate(included) which is installed to a 3” single gang, 3 ½”, 4”octagon or 4” square electrical box
- Provided with pre-stripped leads for connection in j-box

Electrical

- 120 or 277VAC input, 50/60Hz
- Emergency version includes push-to-test, AC-on indicator with fault code display
- Emergency models supplied with a 9.6 VDC Lithium Iron Phosphate battery
- AC-only version includes 0-10V Dimming

Optics

- LED board contains 56 high-power LEDs rated for 50,000 hours which provide a bright and uniform light pattern
- Optics are diffused through a frosted polycarbonate lens
- LED efficacy 73 lm/w

Compliances

- UL924 Listed for Damp Locations
- AC models Energy Star Listed
- NFPA 101 and NFPA 70
- OSHA
- FCC Compliant
- CEC T20 Compliant

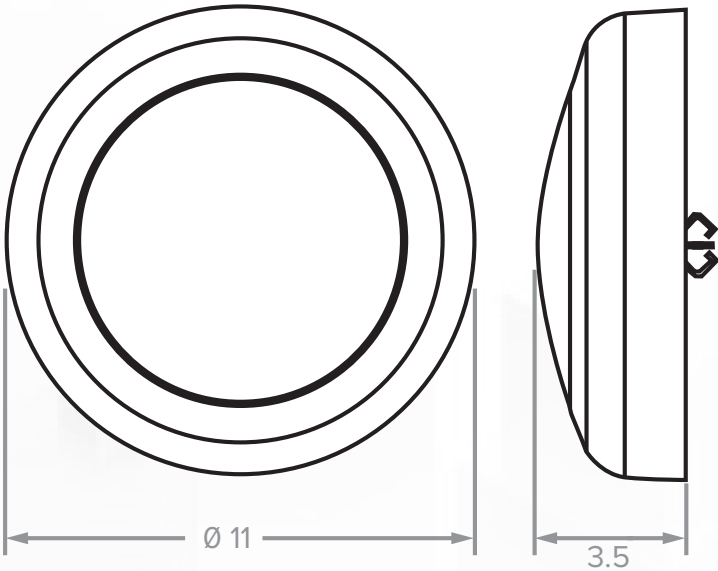
Warranty

- 5 year full unit warranty

Ordering

Catalog Number	Description
EVSBN	Brushed Nickel, AC only, 1200 lumens
EVSDB	Dark Bronze, AC only, 1200 lumens
EVSW	White, AC only, 1200 lumens
EVSBNE	Brushed Nickel, with LiFePO Battery, Self-Test/Self-Diagnostics
EVSDBE	Dark Bronze, with LiFePO Battery, Self-Test/Self-Diagnostics
EVSWE	White, with LiFePO Battery, Self-Test/Self-Diagnostics
EVSBNE-HTR	Brushed Nickel, with LiFePO Battery, Battery Heater(-30°C - 40°C), Self-Test/Self-Diagnostics
EVSDBE-HTR	Dark Bronze, with LiFePO Battery, Battery Heater(-30°C - 40°C), Self-Test/Self-Diagnostics
EVSWE-HTR	White, with LiFePO Battery, Battery Heater(-30°C - 40°C), Self-Test/Self-Diagnostics

Dimensions



Input Power Requirements

	AC Version		EM Version with Heater		EM Version without Heater	
	Watts	Amps	Watts	Amps	Watts	Amps
120VAC	17W	0.14 A	29W	0.24A	22W	0.183A
277VAC	18W	0.08 A	30W	0.135A	23W	0.10A



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