LUMENFOCUS

Project: _____

Location: _____

Cat. #: _____

Type: _____

Quantity: _____

LED

EVT 4 | LED Extruded Vaportight

Features:
- High performance LED technology
- 0-10V dimming drivers standard
- Field replaceable LED boards and drivers
- Multiple hanging options, including surface, chain/cable, or pendant for easy installation
- UL approved and evaluated for daisy chaining

Applications:
Suitable for most commercial, industrial and institutional applications
- Warehouse
- Manufacturing Facility
- Food Processing
- Stairwells
- Car Wash

Predicted L70 Lifetime:
- >100,000 hrs (calculated)
- >72,000 hrs (reported)
- 80% lumen maintenance @ 72,000 hrs (based on LM-80, TM-21 and in-situ laboratory testing)

Dimensions:
- Length: 4'
- Width: 3.86"
- Depth: 3.75"

Construction:
- (f1) rated acrylic co-extruded lens and housing - lens and housing is all one piece
- Pre-painted cold rolled steel board trays
- Gasketed end caps
- Stainless steel mounting hardware

Certifications:
- UL 1598 listed for US and Canada, suitable for wet locations
- IP65
- IP66
- NSF
- RoHS
- DesignLights Consortium qualified on specific configurations (refer to DLC qualified products list for exact model numbers) http://designlights.org/

Ambient Operating Temp.:
- -30°C to 40°C

Warranty:
- 5 year limited system warranty - see www.LumenFocus.com for complete warranty terms and conditions

MADE IN USA
USING DOMESTIC AND FOREIGN COMPONENTS

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www.lumenfocus.com
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Ordering Guide:

example: EVT 4 MD UV FA 840 ZOSMD SB

Series	Length	Output	Voltage	Shielding	CRI/CCT	Mounting	Controls	Options
EVT	4		UV	FA				
EVT	**4** 4'	**VL** Very Low **LW** Low **MD** Medium	**UV** 120-277	**FA** Frosted Acrylic	**835** 80 CRI/3500K **840** 80 CRI/4000K **850** 80 CRI/5000K	**Blank** Snap-On Mounting Bracket (For Surface Mounting) **SMBB** Snap-On Mount with Bracket Bail (For Chain or Cable Mounting) **SMBBQC** Snap-On Mount with Bracket Bail and 10' Quick Hang Cable Kit **SMBBQC20** Snap-On Mount with Bracket Bail and 20' Quick Hang Cable Kit **SMD** Snap-On Mount Drilled (For Threaded Rod Pendant, Not Included)	**Blank** No Controls **ZOSM** Microwave Occupancy Sensor[1] **ZOSMD** 0-10V Dimming Microwave Occupancy Sensor[1] **ZIFC** Douglas IFC Controller With Network Capabilities[1]	**Blank** No Options **C6** 6' Single Circuit Cord **C6(LVL)** C6 With Integrated Dimming Leads **C10** 10' Single Circuit Cord **C10(LVL)** C10 With Integrated Dimming Leads **D6** 6' Dual Circuit Cord **D10** 10' Dual Circuit Cord **SB** Safety Bail **LVL** 0-10V Dimming Leads for Easy Field Access **BAA** Buy American Act Compliant

Notes

[1] See Page 4 for more details.
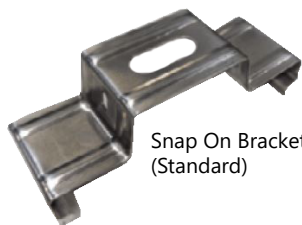
Controls Accessories *(order separately)*

For Douglas Controls
BT-DMSW-U-A   Bluetooth 1 Zone Dimmer
BT-4BTSW-U-A   Bluetooth 4-Button Wall Station
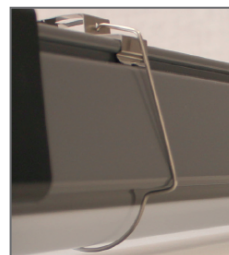BT-8BTSW-U-A   Bluetooth 8-Button Wall Station

Mounting:

Snap On Bracket (Standard)

SMBB
Bracket Bail (for chain or cable mounting)

SMD
Drilled (for threaded rod pendant mounting)

SB
Safety Bail Option

Performance Chart:

Catalog #	Watts	Lumens (835)	LPW (835)	Lumens (840)	LPW (840)	Lumens (850)	LPW (850)
EVT 4 VL UV FA 8xx	31	3603	117.1	3722	121.0	3834	124.6
EVT 4 LW UV FA 8xx	41	4558	111.0	4709	114.7	4850	118.1
EVT 4 MD UV FA 8xx	52	5650	109.4	5837	113.0	6012	116.4

LUMENFOCUS
Re-board ABILITY

The EVT features field replaceable boards and drivers. This allows you to upgrade to more efficient technology in the future. Or, in the rare event of a failure, you can rapidly replace defective components. Re-boardABILITY helps to ensure you won't get stuck with an obsolete light fixture. Learn more about Re-boardABILITY here.

Photometric Data:

EVT 4 MD UV FA 850

Test No.: LLIA001045-001A
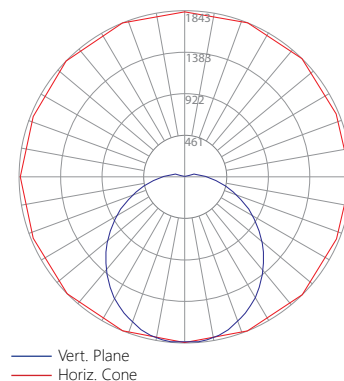**Luminaire Lumens:** 6,012 lm
Luminaire Watts: 51.7W
Efficacy: 116.4 LPW
Spacing Criterion (0-180): 1.22
Spacing Criterion (90-270): 1.32

Luminance Data (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	20478	17177	17153
55	18733	15201	15423
65	16480	13076	13589
75	12701	11014	11805
85	5133	9349	10347

Coefficients Of Utilization - Zonal Cavity Method
Effective Floor Cavity Reflectance 0.20

RC		80				70				50			30		
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10
0	118	118	118	118	114	114	114		108	108	108	102	102	102
1	106	100	95	91	102	98	93	89	92	89	85	87	84	82
2	96	87	79	73	92	84	77	72	80	74	69	76	71	67
3	87	76	67	60	84	74	66	59	70	63	57	66	61	56
4	79	67	58	51	77	65	57	50	62	55	49	59	53	47
5	73	60	50	43	70	58	49	43	55	48	42	53	46	41
6	67	54	44	38	65	52	44	37	50	42	37	48	41	36
7	62	48	39	33	60	47	39	33	45	38	32	43	37	32
8	58	44	35	30	56	43	35	29	41	34	29	40	33	28
9	54	41	32	27	52	40	32	26	38	31	26	37	30	25
10	51	37	29	24	49	37	29	24	35	28	23	34	28	23

Tested in accordance with IES standards utilizing absolute photometry per LM-79-08

— Vert. Plane
— Horiz. Cone

Zonal Lumen Summary

Zone	Lumens	%Fixt
0-20	669.65	11.10
0-30	1420.45	23.60
0-40	2325.85	38.70
0-60	4147.60	69.00
0-80	5378.96	89.50
0-90	5694.83	94.70
90-120	311.71	5.20
90-130	316.92	5.30
90-150	316.93	5.30
90-180	316.93	5.30
0-180	6011.76	100.00

ZOSM option: **Leviton High Frequency Microwave Sensor**

The EVT can be equipped with an integrated Leviton high frequency microwave sensor ("ZOSM" option). The ZOSM detects motion through low density materials allowing it to be installed out of site, under the FFR P's frosted lens. The high frequency waves offer less interference and false tripping than traditional sensing technology for reliable occupancy applications. The integrated daylighting sensor detects natural light and turns lights ON or keeps lights OFF in response to available natural light or the daylight set point when motion is detected.

Features:
- Automatic switching based on motion and ambient light level
- Designed to detect movement behind low-density fixture materials or behind objects made of plastic or glass

- up to 32' mounting height
- Detection Zone: 52' diameter x 32' Height Max
- IP20 rated
- 120-277V

ZOSMD option: **Leviton 0-10V High Frequency Microwave Sensor**

The EVT can be equipped with an integrated Leviton 0-10V dimming high frequency microwave sensor ("ZOSMD" option). The ZOSMD detects motion through low density materials allowing it to be installed out of site, under the FFR P's frosted lens. The high frequency waves offer less interference and false tripping than traditional sensing technology for reliable occupancy applications. The integrated daylighting sensor detects natural light and turns lights ON or keeps lights OFF in response to available natural light or the daylight set point when motion is detected.

Features:
- Automatic switching or dimming based on motion
- Ambient light override
- Designed to detect movement behind low-density fixture materials or behind objects made of plastic or glass

- up to 49' mounting height
- Detection Zone: 52' diameter x 49' Height Max
- Standby Dimming Level: 10% / 20% / 30% / 50%
- IP20 rated
- 120-277V

Douglas Lighting Controls, Inc.: Intelligent Fixture Controller (IFC)

The EVT can be equipped with the Douglas Bluetooth Intelligent Fixture Controller (IFC).

- 0-10V dimming with dim-to-off
- Bluetooth beacon for digital ceiling, IoT and location service strategies
- 150-foot clear line of sight, 50 feet through standard walls
- May be used with dual-channel, tunable white LED drivers providing auxiliary power and dim-to-off capability
- Commissioning through Douglas Lighting Controls, Inc. app from Apple app store
- Listed for emergency control when used on dedicated emergency power bus

CheckLight® Energy Management System

Douglas controls can be integrated with the CheckLight® Energy Management system. This system can help you uncover energy conversion opportunities, create conservation strategies, analyze lighting load inefficiencies, and make configuration changes from anywhere with Douglas' user-friendly interface. You can get measurements, reports, and control your system from a web-based application.

CheckLight® has the capability to look at different facilities within a portfolio and use data benchmarks to compare building performances.
- Find energy conservation opportunities
- Create energy saving strategies
- Analyze load inefficiencies
- Optimize energy management

Learn more about our available advanced controls options here:
www.lumenfocus.com/controls-overview

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