

ELECTRICAL



ELECTRICAL MAINTENANCE MANUAL

Village Walk Sun Peaks

**3280 Village Way
Sun Peaks, BC V0E-5N0
January, 2017**

ELECTRICAL ENGINEER:

Bluegreen Architecture Inc.

#2-436 Lorne Street
Kamloops, BC V2C-TW3
Ph: (250) 374-1112
Fax (250) 374-2279
www.bluegreenarchitecture.com

ELECTRICAL CONTRACTOR:

Howell Electric Ltd

984 Laval Crescent
Kamloops BC, V2C-5P5
Ph: (250) 374-5771
Fax: (250) 374-4579
E-mail: brent@howellelectric.ca



984 Laval Crescent
Kamloops, BC V2C-5P5

Phone: (250)374-5771
Fax: (250)374-4579

LETTER OF WARRANTY

Village Walk Sun Peaks
3280 Village Way
Sun Peaks, BC V0E-5N0
January, 2017

Howell Electric Ltd. will provide warranty for work completed under this contract for the above project for a period of one year from the date of substantial completion according to the specifications. Any portion of this work modified or serviced by other forces will not be covered by this warranty.

A handwritten signature in blue ink, appearing to read "B. Howell", is written over a light blue circular stamp.

Brent Howell
Howell Electric Ltd.

SLM4

SLIMLED™

4" Round LED Slim Profile Recess Retrofit, 9W,
Airtight
Recess Lighting

Job Information		
Project Name	VILLAGE WALK	Type
Location		B
Quantity		Date
Contact/Phone		
Notes		

Features

Body

Durable airtight aluminum body with etched white polycarbonate diffuser lens for low glare.

LED Characteristics

This general application light fixture features a 9 watt LED module that maintains uniform intensity producing up to 680 lumens; with a typical CRI of 82. Available in 2700°K, 3000°K, 3500°K or 4000°K colour temperature.

Dimming

100%-10% dimming capability. This fixture is compatible with industry standard TRIAC/ELV dimmers (contact factory for listing of compatible dimmers).

Beam Spread

The fixture lens provides 120° beam spread.

Mounting

Includes two spring loaded clips to attached to any ceiling material. The slim profile allows to be mounted under joists or duct work.

LED Driver

Extruded aluminum hardware box with 210mA dimmable class II electronic LED driver with 100-135V AC input. Includes an 18" cable from driver to fixture.

Quick Connect push-in terminals

Three "Quick connect" push-in terminals for fast and easy wiring.

Operating Temperature

-20°C-40°C (-4°F-104°F)

Environment

- Suitable for damp locations.
- Suitable for insulated ceiling applications.

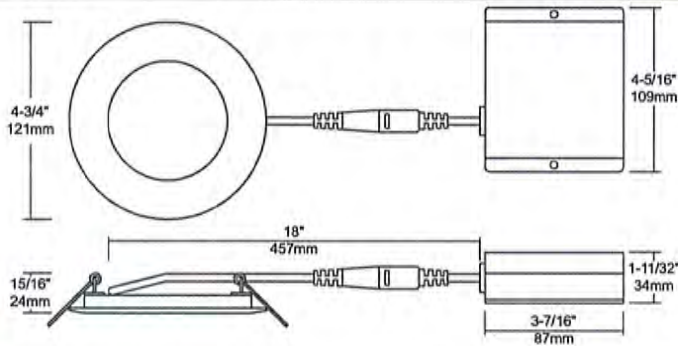
SPECIFICATION

Application	Ceiling Recess Mount
Approved Location	Damp
Beam Angle	120°
CCT	2700°K / 3000°K / 3500°K / 4000°K
Certification	cETLus
Class II	Yes
Colour	BK / BN / SL / WH
CRI	82
Dimming	Yes
Dimming Tech	TRIAC/ELV
Energy Star	Yes
Hole Cut	Ø 4-3/16" (106mm)
Input	100-135V AC, 60Hz, 0.09A
LM79	Yes
LM80	Yes
Lumens	Up to 575 / 600 / 600 / 680 (based on WH)
Lumens per Watt	Up to 63.8 / 66.6 / 66.6 / 75.5 (based on WH)
Power Factor	>0.95
Projected Life	70% @ 50,000 hrs
Warranty	Lifetime
Wattage	9W



Description

The SLM4 is a 9 watt 4" slim profile light fixture for recess retrofit application. It is a high-performance, easy to install residential grade downlight solution that offers good light output, energy-efficiency and streamlined design. Suitable for damp locations.



Notes: Accessories are sold separately. For additional options please consult your Liteline representative. Due to our continued efforts to improve our products, product specifications are subject to change without notice.

Ordering Guide

Colour Temperature	Trim Finish
SLM4 - 27	BK
27 : 2700°K	BK : Black
30 : 3000°K	BN : Brushed Nickel
35 : 3500°K	SL : Silver
40 : 4000°K	WH : White

Accessories



SLM-60-FC

60" Flexible connector, for use with SlimLED fixtures.



P-4020

4-1/4" Round pre-mounting plate with driver attachment clip, for 4" SlimLED round fixtures.



P-NCMK-1

New construction mounting kit. Includes hanger bars, brackets and screws.

VBE-1

Vapour barrier extender. For use in new construction applications.

VBE-2

Vapour barrier extender. For use in remodel applications.

VBE-3

Vapour barrier extender. For use in remodel applications.

VBE-4

Vapour barrier extender. For use in remodel applications.

SLM4-XLRING-WH

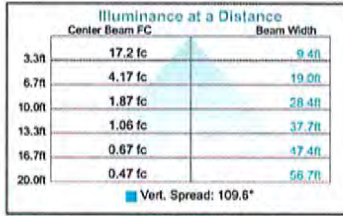
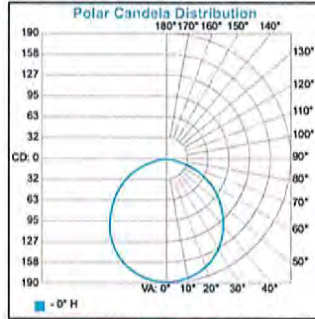
Extra large trim ring for 4" round SlimLED, plastic, white.

Photometry

SLM4-30 : 4" Round SlimLED, 3000°K.

Zonal Lumen Summary

Zone	Lumens	% Luminaire
0-30	145.4	28.2%
0-40	236.8	45.8%
0-60	412.9	79.9%
60-90	103.7	20.1%
70-100	42.3	8.2%
90-120	0	0%
0-90	516.6	100%
90-180	0	0%
0-180	516.6	100%



Compatible Dimmers

Brand	Model	Maximum Number of Fixtures per Dimmer
Lutron	DVELV-300P	25
	SELV-300P	25
	NTELV-300	25
	NTELV-600	50
	MAELV-600	50
	MRF2-6ND-120	14
	DV600	10
	D-600P	10
Leviton	VPE04	13
	6615	22
	VPE06	52
	VRE06	52
	6672	4
	6674	4
	IPE04	11
Cooper	SAL06P-W-K	12
Pass & Seymour	HCL453PTC	32
	HCL453PW	32
	H703-PTU set to f	8
	H703-PTU set to R	62

SLM4

SLIMLED™

4" Round LED Slim Profile Recess Retrofit, 9W,
Airtight
Recess Lighting

Job Information	
Project Name	VILLAGE WALK
Location	B2
Quantity	Date
Contact/Phone	
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Operating Temperature

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Environment

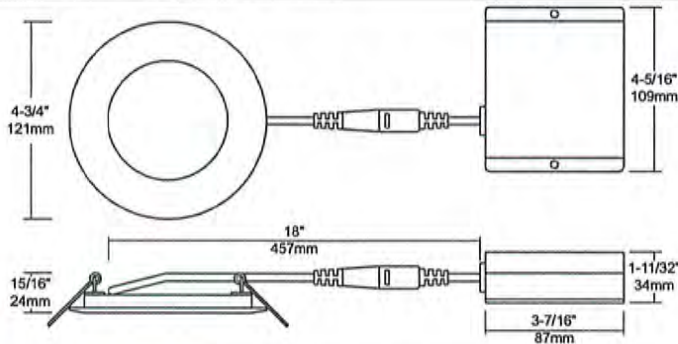
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Input	100-135V AC, 60Hz, 0.09A
LM79	Yes
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Lumens per Watt	Up to 63.8 / 66.6 / 66.6 / 75.5 (based on WH)
Power Factor	>0.95
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Wattage	9W



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Vapour barrier extender. For use in new construction applications.



VBE-2
Vapour barrier extender. For use in remodel applications.



VBE-4
Vapour barrier extender. For use in remodel applications.

SLM4-XLRING-WH
Extra large trim ring for 4" round SlimLED, plastic, white.

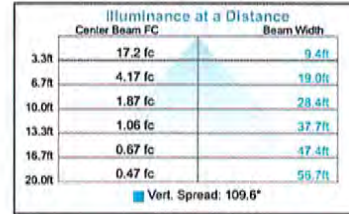
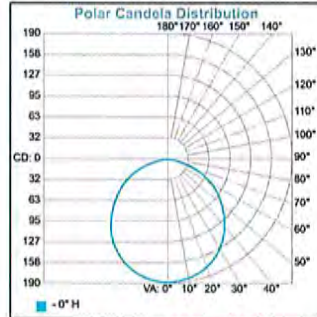
VBE-3
Vapour barrier extender. For use in remodel applications.

Photometry

SLM4-30 : 4" Round SlimLED, 3000°K.

Zonal Lumen Summary

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	MRF2-6ND-120	14
	DV600	10
	D-600P	10
Leviton	VPE04	13
	6615	22
	VPE06	52
	VRE06	52
	6672	4
	6674	4
Cooper	IPE04	11
	SAL06P-W-K	12
Pass & Seymour	HCL453PTC	32
	HCL453PW	32
	H703-PTU set to f	8
	H703-PTU set to R	62

Date: _____
 In hands date of project: _____
 Project name/Number: VILLAGE WALK
 Name of distributor: _____
 Client #: _____
 Name of end user: TYPE O



ORDERING INFORMATION

FEATURES AND SPECIFICATIONS

Lens type: Frosted Acrylic Diffuser
Lens benefits: Easy to install twist and lock diffuser
Housing: Simple, functional and low profile design.
Applications: Ideal for use in closets, utility areas, hallways, bedrooms, offices & various residential and commercial applications.
Benefits compared to Traditional Light: Uses less energy than fluorescent lights, lasts longer and is maintenance free.



For a complete list of ENERGY STAR qualified products, please visit www.standardpro.com

FIXTURE PERFORMANCE

Wattage (W): 15
 Colour temperature (K): 3 000
 CRI: 80
 Average life in hours: 50 000
 Lumens: 1 050
 Efficacy with lens (LPW): 70
 Voltage (V): 120
 Hertz (Hz): 60
 mili Amps (mA): 340
 Beam angle: 90°
 Mounting: Surface Mount/Flush-mount

POWER FACTOR (PF)

0.95

TOTAL HARMONIC DISTORTION (THD)

< 20 %

AMBIENT OPERATING TEMPERATURES

-10°C/44°F to 40°C/104°F

COMPATIBLE DIMMER LIST

COOPER: DAL06P, SAL06P and SLC03P
 LEVITON: Decora – 6674 and Illuma Tech IPL06
 LUTRON: Maestro MACL-153P, Diva DVCL-153P, Contour CTCL-153P

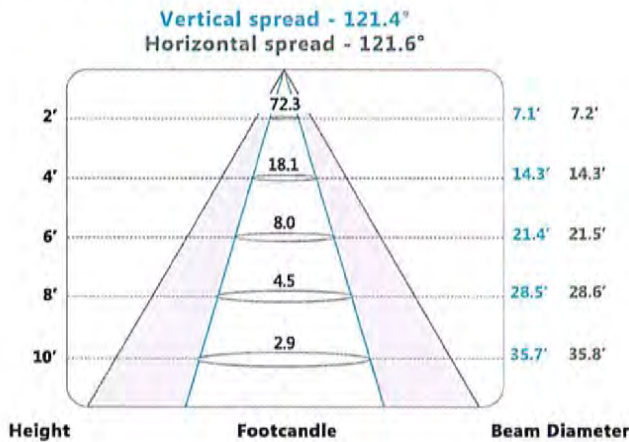
Data is based upon tests performed in a controlled environment and representative of relative performance. Actual performance can vary depending on operating conditions. Specifications are subject to change without notice.

November 10, 2016

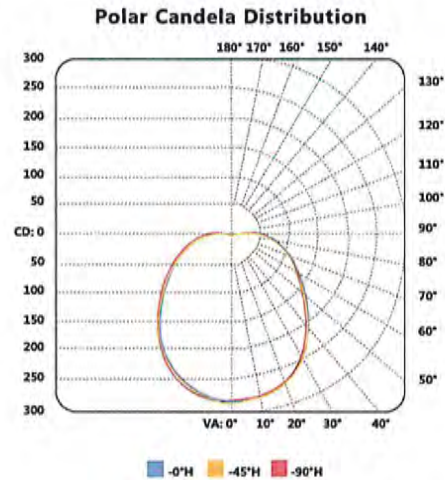
ORDERING INFORMATION

Order code: 63298
 Description: LED/CL11/15W/30K/FM/RND/STD
 UPC: 69549632981
 Case quantity: 1
 Luminaire description: Round LED Ceiling Luminaire

PHOTOMETRICS - BEAM SPREAD*



PHOTOMETRICS - CANDELA DISTRIBUTION*



PHOTOMETRICS - COEFFICIENTS OF UTILIZATION (ZONAL CAVITY METHOD)*

RCC %:	80				70				50				30				10				0			
RW %:	70	50	30	0	70	50	30	0	50	30	20	10	50	30	20	10	50	30	20	10	50	30	20	10
RCR: 0	1.17	1.17	1.17	1.17	1.13	1.13	1.13	.90	1.05	1.05	1.05	.99	.99	.99	.99	.93	.93	.93	.93	.93	.93	.93	.93	.93
1	1.04	.98	.93	.88	1.00	.95	.90	.71	.88	.84	.81	.83	.79	.77	.77	.75	.72	.72	.72	.70	.70	.70	.70	.70
2	.93	.84	.76	.70	.90	.81	.74	.58	.76	.70	.65	.71	.66	.62	.59	.66	.62	.59	.56	.56	.56	.56	.56	.56
3	.85	.73	.64	.57	.81	.71	.62	.48	.66	.59	.54	.62	.56	.51	.48	.58	.53	.49	.46	.46	.46	.46	.46	.46
4	.77	.64	.55	.48	.74	.62	.54	.41	.58	.51	.45	.55	.48	.43	.41	.51	.46	.42	.39	.39	.39	.39	.39	.39
5	.71	.57	.48	.41	.68	.56	.47	.35	.52	.45	.39	.49	.42	.37	.35	.46	.40	.36	.33	.33	.33	.33	.33	.33
6	.65	.51	.42	.35	.63	.50	.41	.31	.47	.39	.34	.44	.38	.33	.31	.42	.36	.31	.29	.29	.29	.29	.29	.29
7	.60	.46	.37	.31	.58	.45	.37	.27	.43	.35	.30	.40	.34	.29	.27	.38	.32	.28	.26	.26	.26	.26	.26	.26
8	.56	.42	.34	.28	.54	.41	.33	.24	.39	.32	.26	.37	.30	.26	.24	.35	.29	.25	.23	.23	.23	.23	.23	.23
9	.52	.39	.30	.25	.51	.38	.30	.22	.36	.29	.24	.34	.28	.23	.22	.32	.27	.22	.20	.20	.20	.20	.20	.20
10	.49	.36	.28	.22	.47	.35	.27	.20	.33	.26	.21	.31	.25	.21	.20	.30	.24	.20	.18	.18	.18	.18	.18	.18

CAN ICES-005 (B) / NMB-005 (B)

This lighting equipment complies with Canadian standard ICES-005; for use in commercial applications.

Data is based upon tests performed in a controlled environment and representative of relative performance. Actual performance can vary depending on operating conditions. Specifications are subject to change without notice.

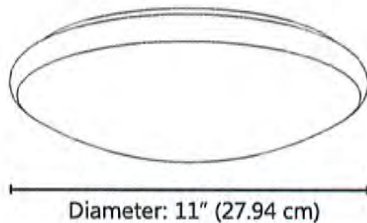
ORDERING INFORMATION

Order code: 63298
 Description: LED/CL11/15W/30K/FM/RND/STD
 UPC: 69549632981
 Case quantity: 1
 Luminaire description: Round LED Ceiling Luminaire

DIMENSIONS

Length: 11" (27.94 cm)
 Diameter: 11" (27.94 cm)
 Width: -
 Depth: 3.5" (8.89 cm)

TECHNICAL DRAWINGS



WARNINGS

- Installation and maintenance must be performed by licensed electricians only.
- To avoid risk of electric shock, make sure to turn off main power switch prior to installation or maintenance.
- Must be installed in compliance with Canadian Electrical Code in Canada or National Electrical Code (NEC) in the US.
- Make sure input voltage and frequency are compatible with the fixture. Check installation guide for power requirements prior to installation.

WARNING – Risk of electric shock. Suitable for damp locations.

Qty	Description	Price

I accept the specifications of the luminaire configuration mentioned above.

Name: _____
 Company: _____
 Signature: _____

Date: _____

FEATURES & SPECIFICATIONS

INTENDED USE — Our recessed LED module is the most economical means to create a well lit environment with exceptional energy efficiency and near zero maintenance. Great for retrofit into existing downlight cans or new construction and remodel applications. Adjustable torsion spring and retention allows fitment into many 5" and 6" cans. The LED module maintains at least 70% light output for 35,000 hours. Indoor and Outdoor Use.

CONSTRUCTION — Aluminum spun reflector with deep baffle configuration for reduced glare. Combined LED and driver printed circuit board attached. Inner reflector cone funnels light through the pressed-in diffused lens.

OPTICS — Diffused lens at end of mixing chamber to provide even light distribution for general illumination, equivalent to 65W BR30 lamp.

Wide flood beam angle at >45°.

ELECTRICAL — Center 2 Edge™ (patent pending) technology created for a single point source. Primary power disconnect provided for simple connection to a dedicated LED connector in the housing.

Dimming down to 10%. For compatible dimmers, please refer to the charts below.

711L-lumen E series has an input wattage of 11.9 watts, 60 lumens per watt, equivalent to 65-watt incandescent.

E Series' patent pending driver has zero inrush, which allows power loads to be calculated with actual rated wattages.

Example: 54 units of 65BEMW LED fixtures can be installed in line with a 600-watt dimmer. 600W/11.9W = 54 fixtures.

INSTALLATION — Suitable for installation in standard and shallow-height rough-in sections.

E26 socket adaptor ships standard.

Twin torsion springs ensure easy installation for 5" and 6" recessed housings.

LISTINGS — CSA certified to US and Canadian safety standards. ENERGY STAR® qualified. Wet location listed. WSEC ASTM E283 for Air-Tight (with IC housings).

WARRANTY — 5-year limited warranty. Complete warranty terms located at:

www.acuitybrands.com/CustomerResources/Terms_and_conditions.aspx

NOTE: Actual performance may differ as a result of end-user environment and application. All values are design or typical values, measured under laboratory conditions at 25 °C.

Specifications subject to change without notice.

PATENTS PENDING.

Catalog Number
Notes <i>VILLAGE WALK</i>
Type <i>Q</i>

LED Recessed Downlighting

65BE

5" / 6" LED Module

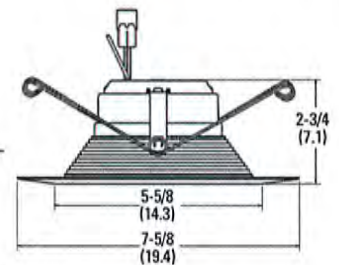
IC/Non-IC
Retrofit



E26 adaptor (included)

Specifications

Aperture: 5-5/8 (14.3)
Ceiling opening: Determined by rough-in
Overlap trim: 7-5/8 (19.4)
Height: 2-3/4 (7.1)



All dimensions are inches (centimeters) unless otherwise indicated.

ORDERING INFORMATION

For shortest lead times, configure product using **bolded** options.

Example: **65BEMW LED 27K L7XLED T24**

Series/Finish	Lamp	CCT / CRI / W / Lumens ¹	Voltage	Housing options
65BEMW 5" / 6" Baffle LED module, matte white	LED	27K 2700 K / 82CRI / 11.9W / 640L 30K 3000 K / 82CRI / 11.9W / 687L 40K 4000K / 82CRI / 11.9W / 711L 50K 5000K / 81CRI / 10.6W / 780L 27K 90CRI 2700 K / 93 CRI / 10.3W / 650L 30K 90CRI 3000 K / 93 CRI / 10.1W / 690L 40K 90CRI 4000 K / 93 CRI / 10.4W / 770L	(blank) 120V	L7XLED T24 6" new construction rough-in LED base L7XRLED T24 6" remodel rough-in LED base LC6LED T24 6" new construction rough-in LED base L7X 6" new construction rough-in ² L7XR 6" remodel rough-in ² L7XP 6" new construction shallow rough-in ² L7XPR 6" remodel shallow rough-in ² LC6 6" new construction rough-in ² LCP 6" new construction shallow rough-in ² LSLED T24 5" new construction rough-in LED base LSRLED T24 5" remodel rough-in LED base L5 5" new construction rough-in ² LSR 5" new construction rough-in ²
	HL LED	27K 2700K / 80CRI / 11.7W / 1090L 30K 3000K / 80CRI / 11.9W / 1100L 40K 4000K / 80CRI / 11.9W / 1110L		

Accessories: order as separate catalog number	
TSA6	6" torsion spring adaptor

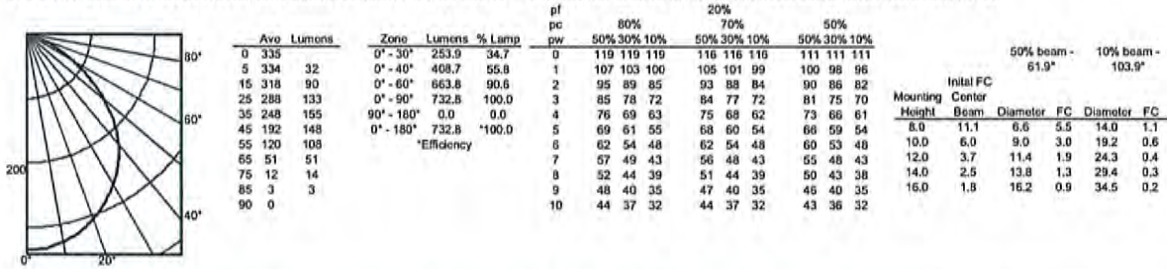
Notes

- Total system delivered lumens.
- Must be ordered on a separate line.

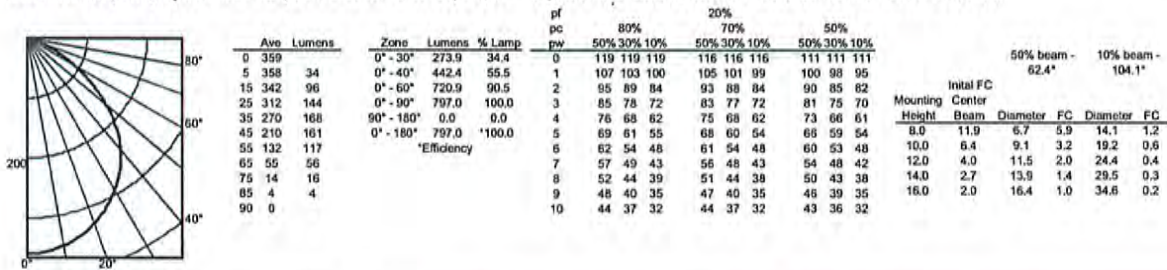
PHOTOMETRICS

Distribution Curve Distribution Data Output Data Coefficient of Utilization Illuminance Data at 30" Above Floor for a Single Luminaire

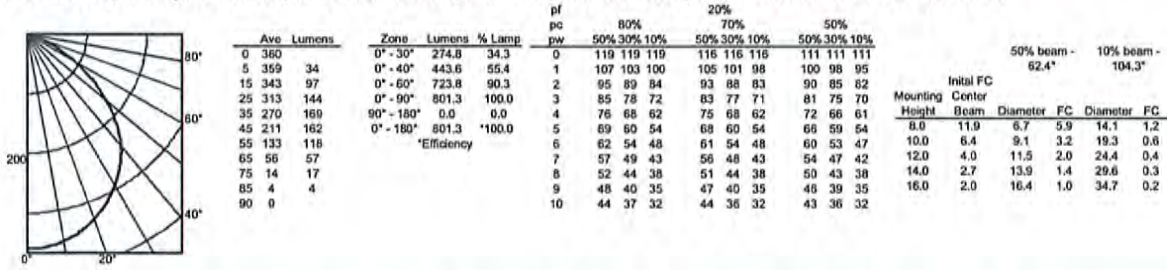
65BEMW LED, 27K, input watts: 13.7, delivered lumens: 733, LM/W = 54, test no. LTL26512, tested in accordance with IESNA LM 79-08



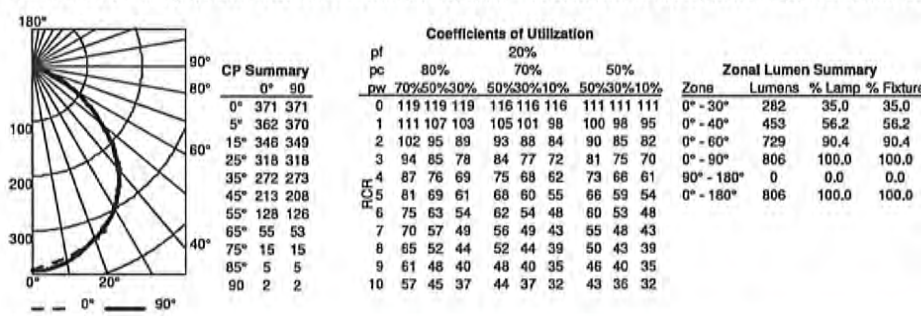
65BEMW LED, 30K, input watts: 12.5, delivered lumens: 797, LM/W = 64, test no. LTL26513, tested in accordance with IESNA LM 79-08



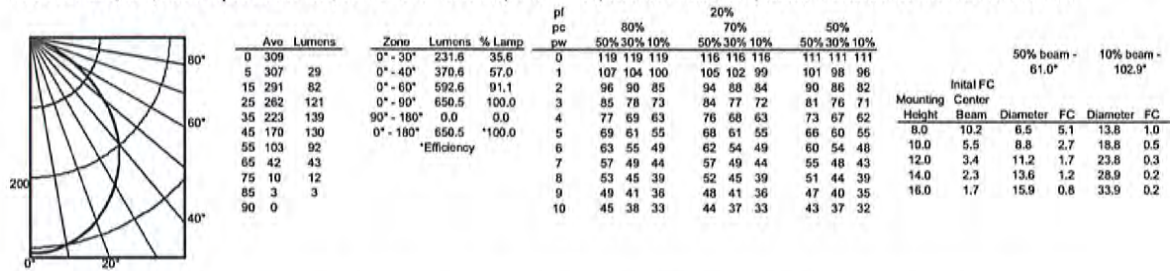
65BEMW LED, 40K, input watts: 12.5, delivered lumens: 801, LM/W = 64, test no. LTL26514, tested in accordance with IESNA LM 79-08



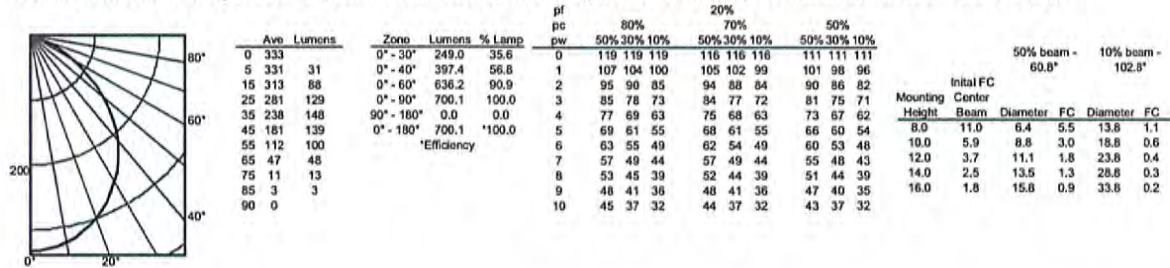
65BEMW LED, 50K, input watts: 10.6, delivered lumens: 815, LM/W = 76.8, test no. ISF 29993, tested in accordance with IESNA LM 79-08



65BEMW LED, 27K, 90CRI input watts: 10.2, delivered lumens: 650, LM/W = 64, test no. LTL28946P1, tested in accordance with IESNA LM 79-08



65BEMW LED, 30K, 90CRI input watts: 9.6, delivered lumens: 700, LM/W = 73, test no. LTL28945P1, tested in accordance with IESNA LM 79-08



ADDITIONAL DATA 65BEMW LED 27K

ENERGY DATA*		
Lumens	CRI - 82 640L	CRI - 93 650L
Min. starting temp	-18°C (0°F)	
Max. temp	46°C (115°F)	
EMI/RFI	FCC Title 47 CFR, Part 15, Class B	
Sound rating	A standards	
Input voltage	120V	
Min. power factor	0.99	
Input frequency	50/60 Hz	
Rated wattage	11.9W	10.3W
Input power	11.9W	10.3W
Input current	.11A	

*Values at non-dimming line voltage.

ADDITIONAL DATA 65BEMW LED 30K

ENERGY DATA*		
Lumens	CRI - 82 687L	CRI - 93 690L
Min. starting temp	-18°C (0°F)	
Max. temp	46°C (115°F)	
EMI/RFI	FCC Title 47 CFR, Part 15, Class B	
Sound rating	A standards	
Input voltage	120V	
Min. power factor	0.99	
Input frequency	50/60 Hz	
Rated wattage	11.9W	10.1W
Input power	11.9W	10.1W
Input current	.11A	

*Values at non-dimming line voltage.

ADDITIONAL DATA 65BEMW LED 40K

ENERGY DATA*	
Lumens	CRI - 82 711L
Min. starting temp	-18°C (0°F)
Max. temp	46°C (115°F)
EMI/RFI	FCC Title 47 CFR, Part 15, Class B
Sound rating	A standards
Input voltage	120V
Min. power factor	0.99
Input frequency	50/60 Hz
Rated wattage	11.9W
Input power	11.9W
Input current	.11A

*Values at non-dimming line voltage.

ADDITIONAL DATA 65BEMW LED 50K

ENERGY DATA*	
Lumens	CRI - 81 780L
Min. starting temp	-18°C (0°F)
Max. temp	46°C (115°F)
EMI/RFI	FCC Title 47 CFR, Part 15, Class B
Sound rating	A standards
Input voltage	120V
Min. power factor	0.99
Input frequency	50/60 Hz
Rated wattage	10.6W
Input power	10.6W
Input current	.11A

*Values at non-dimming line voltage.



LIGHTING FACTS

LED lighting facts
A Program of the U.S. DOE

Light Output (Lumens)	640
Watts	11.9
Lumens per Watt (Efficacy)	53.78

Color Accuracy Color Rendering Index (CRI)	82
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Light Color
Correlated Color Temperature (CCT): 2700 (Warm White)

2700K 3000K 4500K 6500K

Warm White | Bright White | Daylight

All results are according to IESNA LM-79-2008 - Approved Method for the Electrical and Photometric Rating of Solid State Lighting. The U.S. Department of Energy (DOE) verifies product test data and results.

Visit www.lightingfacts.com for the Label Reference Guide.

Registration Number: J822-0474014 (11/11/2014)
Model Number: 658EMW LED 27K (3000K) 10/23/2014
Type: Luminaire - Downlight

LED lighting facts
A Program of the U.S. DOE

Light Output (Lumens)	687
Watts	11.9
Lumens per Watt (Efficacy)	57.73

Color Accuracy Color Rendering Index (CRI)	83
---	----

Light Color
Correlated Color Temperature (CCT): 3000 (Bright White)

2700K 3000K 4500K 6500K

Warm White | Bright White | Daylight

All results are according to IESNA LM-79-2008 - Approved Method for the Electrical and Photometric Rating of Solid State Lighting. The U.S. Department of Energy (DOE) verifies product test data and results.

Visit www.lightingfacts.com for the Label Reference Guide.

Registration Number: J822-0474014 (11/11/2014)
Model Number: 658EMW LED 30K (3000K) 10/23/2014
Type: Luminaire - Downlight

LED lighting facts
A Program of the U.S. DOE

Light Output (Lumens)	711
Watts	11.9
Lumens per Watt (Efficacy)	59.75

Color Accuracy Color Rendering Index (CRI)	84
---	----

Light Color
Correlated Color Temperature (CCT): 4000 (Bright White)

2700K 3000K 4500K 6500K

Warm White | Bright White | Daylight

All results are according to IESNA LM-79-2008 - Approved Method for the Electrical and Photometric Rating of Solid State Lighting. The U.S. Department of Energy (DOE) verifies product test data and results.

Visit www.lightingfacts.com for the Label Reference Guide.

Registration Number: J822-0474014 (11/11/2014)
Model Number: 658EMW LED 40K (3000K) 10/23/2014
Type: Luminaire - Downlight

LED lighting facts
A Program of the U.S. DOE

Light Output (Lumens)	780
Watts	10.6
Lumens per Watt (Efficacy)	73.58

Color Accuracy Color Rendering Index (CRI)	81
---	----

Light Color
Correlated Color Temperature (CCT): 5000 (Daylight)

2700K 3000K 4500K 6500K

Warm White | Bright White | Daylight

All results are according to IESNA LM-79-2008 - Approved Method for the Electrical and Photometric Rating of Solid State Lighting. The U.S. Department of Energy (DOE) verifies product test data and results.

Visit www.lightingfacts.com for the Label Reference Guide.

Registration Number: J822-0474014 (11/11/2014)
Model Number: 658EMW LED 50K
Type: Luminaire - Downlight

LED lighting facts
A Program of the U.S. DOE

Light Output (Lumens)	650
Watts	10.7
Lumens per Watt (Efficacy)	60.75

Color Accuracy Color Rendering Index (CRI)	90
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Light Color
Correlated Color Temperature (CCT): 2700 (Warm White)

2700K 3000K 4500K 6500K

Warm White | Bright White | Daylight

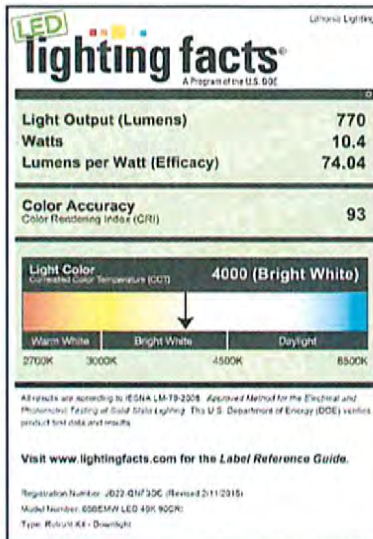
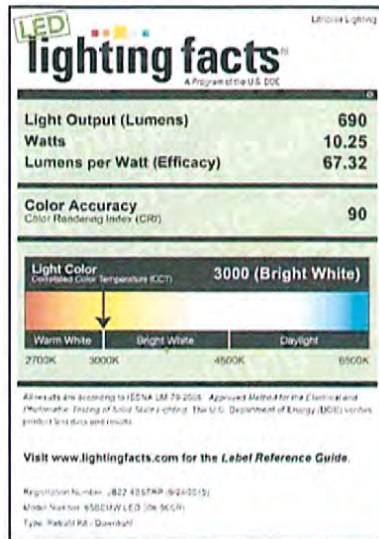
All results are according to IESNA LM-79-2008 - Approved Method for the Electrical and Photometric Rating of Solid State Lighting. The U.S. Department of Energy (DOE) verifies product test data and results.

Visit www.lightingfacts.com for the Label Reference Guide.

Registration Number: J822-0474014 (11/11/2014)
Model Number: 658EMW LED 27K (3000K) 10/23/2014
Type: Luminaire - Downlight



LIGHTING FACTS (cont'd)



DIMMER LIST ESERIES — Low Lumen

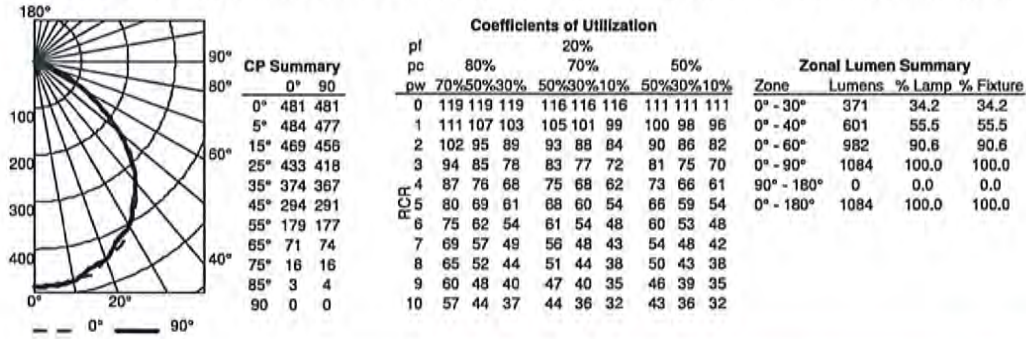
Lutron	Leviton	Pass & Seymour	Synergy
AYCL-153P	6633-P	HCL453PTCCCV6	ISD 600 I 120*
CTCL-153P			
DVCL-153P			

*Must have minimum of qty 6 LED modules on a circuit to function.

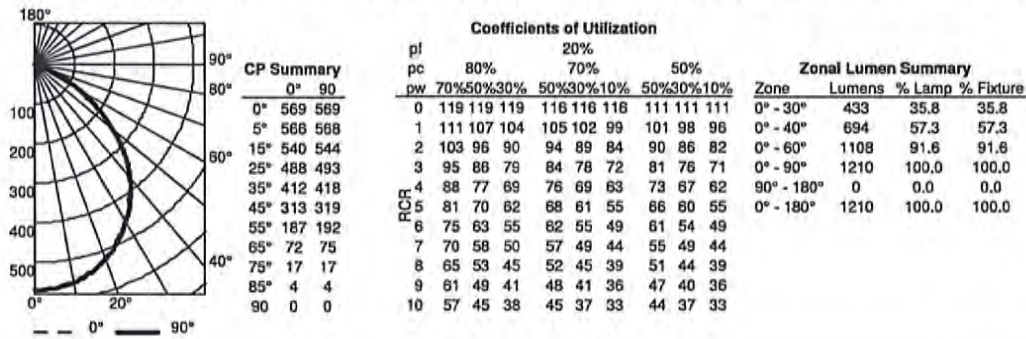
PHOTOMETRICS

Distribution Curve Distribution Data Output Data Coefficient of Utilization Illuminance Data at 30" Above Floor for a Single Luminaire

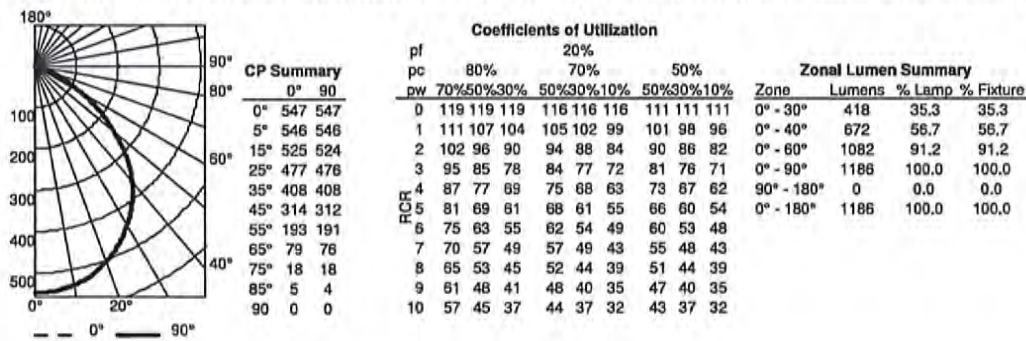
65BEMW HL LED, 27K, input watts: 11.7, delivered lumens: 1083, LM/W = 92.5, test no. ISF 32419, tested in accordance with IESNA LM 79-08



65BEMW HL LED, 30K, input watts: 11.9, delivered lumens: 1213, LM/W = 101.9, test no. ISF 32455, tested in accordance with IESNA LM 79-08



65BEMW HL LED, 40K, input watts: 11.7, delivered lumens: 1187, LM/W = 101.4, test no. ISF 32454, tested in accordance with IESNA LM 79-08



65BE LED

ADDITIONAL DATA 65BEMW HL LED 27K

ENERGY DATA*	
CRI - 80	
Lumens	1090
Min. starting temp	-18°C (0°F)
Max temp	46°C (115°F)
EMI/RFI	FCC Title 47 CFR, Part 15, Class B
Sound Rating	A standards
Input voltage	120V
Min. power factor	0.99
Input frequency	50/60Hz
Rated wattage	11.7W
Input power	11.7W
Input current	0.1A

*Values at non-dimming line voltage.

ADDITIONAL DATA 65BEMW HL LED 30K

ENERGY DATA*	
CRI - 80	
Lumens	1100
Min. starting temp	-18°C (0°F)
Max. temp	46°C (115°F)
EMI/RFI	FCC Title 47 CFR, Part 15, Class B
Sound rating	A standards
Input voltage	120V
Min. power factor	0.99
Input frequency	50/60Hz
Rated wattage	11.9W
Input power	11.9W
Input current	0.1A

*Values at non-dimming line voltage.

ADDITIONAL DATA 65BEMW HL LED 40K

ENERGY DATA*	
CRI - 80	
Lumens	1110
Min. starting temp	-18°C (0°F)
Max. temp	46°C (115°F)
EMI/RFI	FCC Title 47 CFR, Part 15, Class B
Sound rating	A standards
Input voltage	120V
Min. power factor	0.99
Input frequency	50/60Hz
Rated wattage	11.9W
Input power	11.9W
Input current	0.1A

*Values at non-dimming line voltage.

LIGHTING FACTS

Lighting facts
A Program of the U.S. DOE

Light Output (Lumens) **1090**
Watts **11.7**
Lumens per Watt (Efficacy) **93.16**

Color Accuracy
Color Rendering Index (CRI) **80**

Light Color
Correlated Color Temperature (CCT) **2700 (Warm White)**

Warm White 2700K Bright White 3000K Daylight 4500K 6000K

Visit www.lightingfacts.com for the Label Reference Guide.

Regulation Number: NLSM 7801-023 (11/2/2016)
Model Number: 65BEMW HL LED 27K
Type: Luminaire: Downlight

Lighting facts
A Program of the U.S. DOE

Light Output (Lumens) **1100**
Watts **11.9**
Lumens per Watt (Efficacy) **92.44**

Color Accuracy
Color Rendering Index (CRI) **80**

Light Color
Correlated Color Temperature (CCT) **3000 (Bright White)**

Warm White 2700K Bright White 3000K Daylight 4500K 6000K

Visit www.lightingfacts.com for the Label Reference Guide.

Regulation Number: NLSM 7801-023 (11/2/2016)
Model Number: 65BEMW HL LED 30K
Type: Luminaire: Downlight

Lighting facts
A Program of the U.S. DOE

Light Output (Lumens) **1110**
Watts **11.9**
Lumens per Watt (Efficacy) **93.28**

Color Accuracy
Color Rendering Index (CRI) **80**

Light Color
Correlated Color Temperature (CCT) **4000 (Bright White)**

Warm White 2700K Bright White 3000K Daylight 4500K 6000K

Visit www.lightingfacts.com for the Label Reference Guide.

Regulation Number: NLSM 7801-023 (11/2/2016)
Model Number: 65BEMW HL LED 40K
Type: Luminaire: Downlight

DIMMER LIST ESERIES — High Lumen

Lutron	Leviton	Insteon	Pass & Seymour	Synergy/Leviton	Cooper	Sensorswitch
DV-603P-LA	6633-PA	2477D	LS 603 PWV	ISD 600 I 120 / IPI06	DLC03P-W Devine	nSP5 PCD 2W
CT-603PR-WH	6615-P		H703PNICCV4	ISD 400 ELV 120 / IPE04		nSP5 PCD ELV 120
DVELV-300P						
300P SELV						
DV-600P						
NTELV-300P						

PHILIPS
Day-Brite
CFI

Linear

FluxStream EZ LED
strip

4', 4000 lumens

Project: VILLAGE WALK
Location: _____
Cat No: _____
Type: S
Lumens: _____ Qty: _____
Notes: _____

Philips Day-Brite / CFI FluxStream EZ LED Strip is a high performing luminaire delivering smooth diffuse light ideal for light industrial, commercial and residential applications with the unparalleled energy efficiency of Philips LED lighting.

Ordering guide

Example: FSSEZ440L840-UNV

Series	Length (nominal)	Lumens' (nominal)	Color temp. (K)	Voltage	Options
FSSEZ	4	40L	830 -	UNV -	
FSSEZ FluxStream strip EZ	4 4' length	40L 4000 lumens	830 80 CRI, 3000K 835 80 CRI, 3500K 840 80 CRI, 4000K	UNV Universal voltage 120-277	EMLED Factory wired Philips Bodine BSL310LP integral emergency pack. Nominal 1100 lm LSXR10 120-347V motion sensor, factory installed on end cap

1. Nominal delivered lumens at 25C ambient.

Accessories (order separately)

- FSSD4L - 4' Diffuse replacement lens
- LSXR10 - Low bay PIR motion sensor, 120-277V
- FSSWG4 - 4' Wire guard
- FSTH - Sliding hanger bracket (set of 2)
- (See last page for details and more options)

General notes

Many luminaire components, such as reflectors, refractors, lenses, sockets, lampholders, and LEDs are made from various types of plastics which can be adversely affected by airborne contaminants. If sulfur based chemicals, petroleum based products, cleaning solutions, or other contaminants are expected in the intended area of use, consult factory for compatibility.



FSSEZ FluxStream strip EZ LED

4', 4000 lumens

Features

- Compact design for installation in tight spaces
- Frosted acrylic diffuser provides wide light distribution and superior glare control
- Diffuser and LED plate snap into place allowing tool-free access to LED boards and driver
- Up to 50,000 hour predicted L70 LED lumen maintenance provides long service life to reduce maintenance costs
- Can be surface mounted on ceilings or walls, or suspended via chain, pendants or cables
- Wall mountable - ADA compliant
- Ideal for cold applications (-20°C)
- Continuous row mounting using standard end caps. No extra parts needed
- 7/8" knock out provided at each end and on base of luminaire
- Enclosed lens minimizes penetration of dust, insects, and other debris into the LED compartment.
- Fluxstream luminaires are Designlights Consortium® qualified. Please see the DLC QPL list for exact catalog numbers (<http://www.designlights.org/QPL>).
- 5 year manufacturer's limited warranty Visit www.philips.com/warranties for complete warranty information.

Finish

- Baked white acrylic matte high reflectance paint finish

Shielding

- Contoured frosted acrylic lens

Electrical

- LED boards and drivers are RoHS (Restriction of Hazardous Substances) compliant. Total system life rated at 50,000 hours. Predicted L70 lifetime based on LED manufacturer's supplied LM-80 data and in-situ laboratory testing.

Materials

- Heavy gauge cold rolled steel housing and end caps

Labels

- cETLus listed (-20°C to 25°C)
- Suitable for damp locations

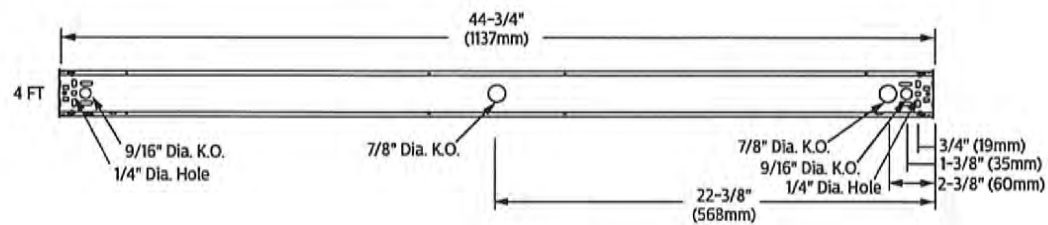
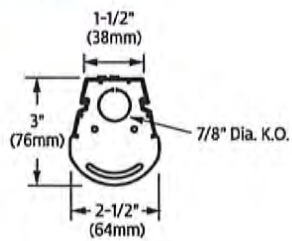
FSSEZ FluxStream strip EZ LED

4', 4000 lumens

Performance data

Fixture	Lumens	Wattage	Efficacy
FSSEZ440L840	3653lm	32W	114lm/w

Dimensions



FSSEZ FluxStream strip EZ LED

4', 4000 lumens

Photometry

4' FluxStream EZ strip LED, 4000 nominal delivered lumens

LER - 114

<p>Catalog No. FSSEZ440L840-UNV Test No. 37445 S/MH 1.3 Lamp Type LED Lumens 3653 Input Watts 32</p> <p>Comparative yearly lighting energy cost per 1000 lumens – \$2.11 based on 3000 hrs. and \$.08 pwr KWH.</p> <p>The photometric results were obtained in the Philips Day-Brite laboratory which is NVLAP accredited by the National Institute of Standards and Technology.</p> <p>Photometric values based on test performed in compliance with LM-79.</p>	<p style="text-align: center;">Candlepower</p> <table border="1"> <thead> <tr> <th>Angle</th> <th>End</th> <th>45</th> <th>Cross</th> <th>Back-45</th> </tr> </thead> <tbody> <tr><td>0</td><td>1050</td><td>1050</td><td>1050</td><td>1050</td></tr> <tr><td>5</td><td>1031</td><td>1045</td><td>1053</td><td>1045</td></tr> <tr><td>15</td><td>989</td><td>1010</td><td>1025</td><td>1010</td></tr> <tr><td>25</td><td>904</td><td>938</td><td>967</td><td>938</td></tr> <tr><td>35</td><td>786</td><td>837</td><td>881</td><td>837</td></tr> <tr><td>45</td><td>647</td><td>726</td><td>782</td><td>726</td></tr> <tr><td>55</td><td>493</td><td>587</td><td>667</td><td>587</td></tr> <tr><td>65</td><td>309</td><td>421</td><td>545</td><td>421</td></tr> <tr><td>75</td><td>155</td><td>303</td><td>398</td><td>303</td></tr> <tr><td>85</td><td>29</td><td>204</td><td>298</td><td>204</td></tr> </tbody> </table>	Angle	End	45	Cross	Back-45	0	1050	1050	1050	1050	5	1031	1045	1053	1045	15	989	1010	1025	1010	25	904	938	967	938	35	786	837	881	837	45	647	726	782	726	55	493	587	667	587	65	309	421	545	421	75	155	303	398	303	85	29	204	298	204	<p>Light Distribution</p> <table border="1"> <thead> <tr> <th>Degrees</th> <th>Lumens</th> <th>% Luminaire</th> </tr> </thead> <tbody> <tr><td>0-30</td><td>817</td><td>22.4</td></tr> <tr><td>0-40</td><td>1341</td><td>36.7</td></tr> <tr><td>0-60</td><td>2416</td><td>66.1</td></tr> <tr><td>0-90</td><td>3357</td><td>91.9</td></tr> <tr><td>90-180</td><td>296</td><td>8.1</td></tr> <tr><td>0-180</td><td>3653</td><td>100</td></tr> </tbody> </table>	Degrees	Lumens	% Luminaire	0-30	817	22.4	0-40	1341	36.7	0-60	2416	66.1	0-90	3357	91.9	90-180	296	8.1	0-180	3653	100	<p>Average Luminance</p> <table border="1"> <thead> <tr> <th>Zone</th> <th>End</th> <th>45°</th> <th>Cross</th> </tr> </thead> <tbody> <tr><td>45</td><td>13707</td><td>11958</td><td>11915</td></tr> <tr><td>55</td><td>12754</td><td>10817</td><td>11115</td></tr> <tr><td>65</td><td>10675</td><td>9122</td><td>10361</td></tr> <tr><td>75</td><td>8488</td><td>8267</td><td>9143</td></tr> <tr><td>85</td><td>4081</td><td>7810</td><td>8995</td></tr> </tbody> </table>	Zone	End	45°	Cross	45	13707	11958	11915	55	12754	10817	11115	65	10675	9122	10361	75	8488	8267	9143	85	4081	7810	8995																																																																																																																								
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Accessories



Accessory Catalog Code	Description
FSTH	Sliding hanger bracket (pair)
SV5F12	12" Stem and canopy kit
SV5F18	18" Stem and canopy kit
SV5F24	24" Stem and canopy kit
SV5F36	36" Stem and canopy kit
SV5F48	48" Stem and canopy kit
FKR-126	Chain hanger set (pair)
DACHxx	Adjustable cable hanger kit (single)
DACHxx-1-SC	Adjustable cable hanger kit with white straight 18/3 cord (single)
DACHxx-1-CC	Adjustable cable hanger kit with white coiled 18/3 cord (single)
DACHxx-2-SC	Adjustable cable hanger kit with white straight 18/4 cord (single)
DACHxx-2-CC	Adjustable cable hanger kit with white coiled 18/4 cord (single)
LSXR10	Low bay pir motion sensor (120-277v)
FSSWG4	4' Wire guard
FSSD4L	4' Diffuse replacement lens

White stem and canopy kit, 1/4" trade size (1/2" O.D.) locknuts included. Works with 9/16" k.O. on base of housing.

Includes two 5' heavy duty link chains with "V" hooks. Attaches to base of housing.

Works with 1/4" hole on base of housing or FSTH hanger bracket.

xx=cable length in inches, enter 48" to 180" lengths in 12" increments

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Certified Management Quality System
ISO 9001-2008

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180, 3e Avenue
L'Islet, Québec
G0R 2C0

Telephone: (418) 247-3947
Fax: (418) 247-7801
www.ouellet.com

Shop Drawings for Approval

For Reference Only

Project: **Village Walk**

Electrical Contractor: **Howell Electric**

Consulting Engineer:

Architect:

Distributor: **Wesco Dist.Cda Inc. (Kamloops)**

Contact: **Luke Gieck**

Date: **2017-10-19**

Contact in Ouellet: **Marie-Eve Ouellet**

Ouellet Project #: **609726**

Ouellet Quote #: **444759**

Please note that when workshop drawings are required for approval, a copy of the approved drawings must be returned to us before we can proceed with the fulfillment of the order. The lead time related to the production of the order takes effect from the reception date of the approved drawings. If the drawings are approved with modifications, the lead time may be extended. If the order is not required immediately a delivery schedule must be supplied with the approved drawings.

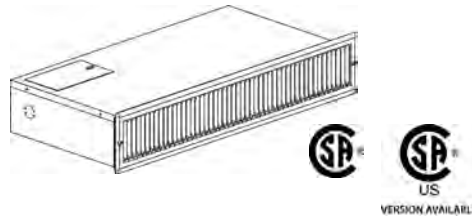
Any modifications from Ouellet standard features or specifications must be indicated on the returned drawings unless they have been previously provided.

If any excess products are returned whatever the case may be, restocking, handling and work in progress fees will be charged for regular stock items. For custom products, no return of merchandise will be accepted.

We hope the above proves satisfactory.

Marie-Eve Ouellet
Technicienne au service à la clientèle

Series

OCP**Kickspace Heater****Features****Color**

- Standard: semi-gloss black, white, almond.
- Optional (upcharge applicable): metallic silver, bronze, metallic charcoal, aluminum, sand.
- Custom colors available upon request.

Finish**Voltage****Construction**

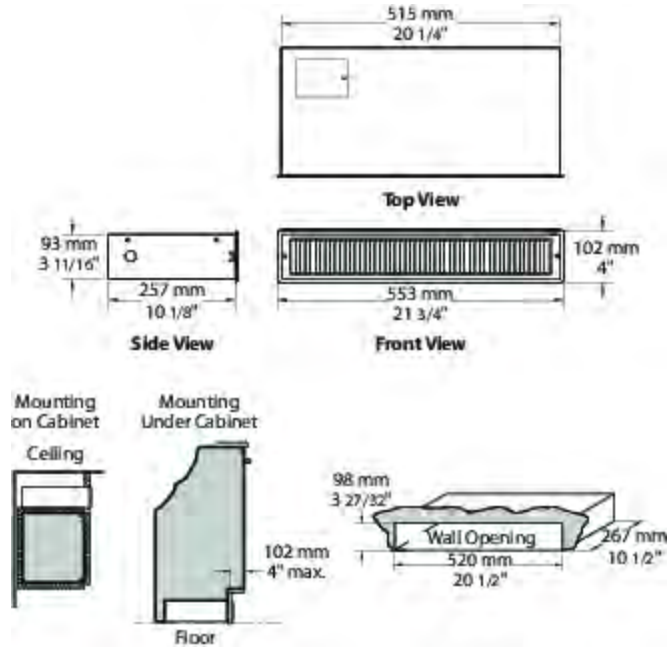
- Standard: epoxy/polyester powder paint.
- 120V, 240/208V, 1-phase.
- 20-gauge steel.
- 1000W standard. Possibility of 500W in field (see installation instructions).
- High-limit temperature control with automatic reset (first level).
- High-limit temperature control with manual reset (second level).
- 80 cfm fan (44.5 dBA).
- Factory-lubricated motor.
- Two elements of 500W (1000W in parallel).
- Durable tubular heating element with fins.
- Built-in thermostat kit available.

Note: If an electronic thermostat is used, it must be compatible with forced-air heaters.

Fan**Heating element****Control****Installation****Warranty****Application**

- Do not install the heater near thermosensitive materials.
- Garnishing frame included.
- **5-year warranty against defects.**
- Kitchen, bathroom, recessed in stair risers.

Series
OCP

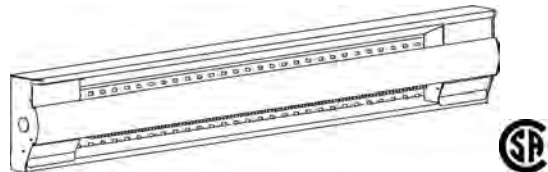


Qty	Type	Product	Volts	Watts	Lenght (Unit)	Description	Color
24		OCP1000BL	240	1000		OCP 500W/375W 1000W/750W 240/208V WHITE #E09	
24		OCP1000BL	240	1000		OCP 500W/375W 1000W/750W 240/208V WHITE #E09	White

Project: Village Walk	Engineering seal
Consultant Engineer:	
Electrician Contractor: Howell Electric	
Distributor: Wesco Dist.Cda Inc. (Kamloops)	
Date : 2017-10-19	
Contact in Ouellet: Marie-Eve Ouellet	

* specifications may change without prior notice

Series

OFM**Standard Baseboard Heater****Features****Color**

- Standard: white, almond.
- Optional (upcharge applicable): metallic silver, bronze, metallic charcoal, aluminum, semi-gloss black, sand.
- Custom colors available upon request.

Finish

- Standard: epoxy/polyester powder paint.
- May be repainted with any interior paint.

Voltage**Construction**

- 120V, 208V, 240/208V, 277V, 347V, 480V, 600V, 1-phase.
- 20-gauge steel connection box.
- 22-gauge steel body.
- 20-gauge steel front panel.
- Rounded upper corners.

Heating element

- Linear high-limit temperature control with automatic reset.
- Stainless steel tubular heating element with aluminum fins.
- Floating heating element on high-temperature nylon bushings reducing expansion noises.

Watt density

- Average standard watt density of 275W/ft.
- Average low watt density of 200W/ft.

Control

- A wide selection of built-in thermostats available.
- Baseboard section with built-in electronic thermostat can be installed at either end (240V only).
- Built-in thermostat kit can be installed at either end.
- Built-in relay kit fits in the right end box only.
- A compartment for low voltage connections (located directly under the junction box) facilitates the installation of low voltage relay in electric baseboard.

Ouellet highly recommends to use an electronic wall thermostat for greater comfort.

Installation

- Installation directly on the floor.
- Connection box at both ends of the heater.
- Single-screw built-in wire holder.
- Raceway for ease of installation.
- Two rows of mounting holes spaced on 1 in. (25.4 mm) intervals for ease of installation.
- Variety of accessories available for wall-to-wall installation.

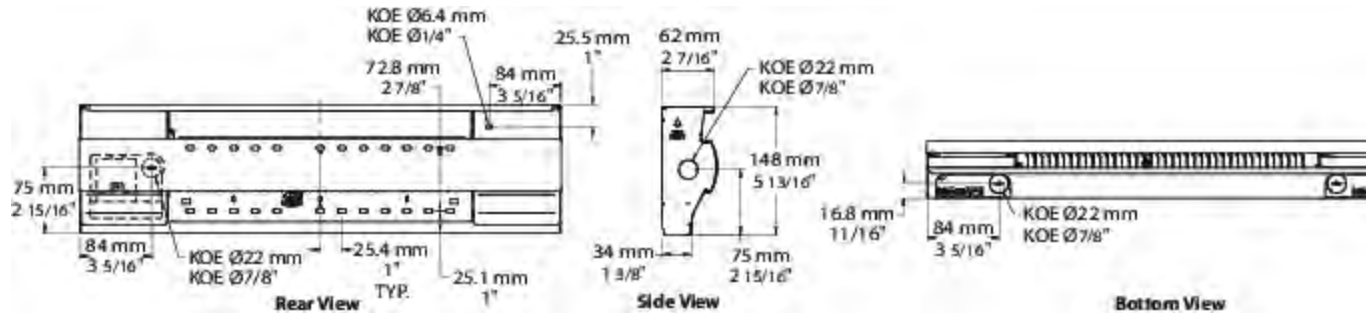
Warranty

- **5-year warranty against defects.**
- **Heating element has a lifetime warranty for the initial end user.**

Application

- Kitchen, living room, family room, bedroom, bay window, basement.

Series
OFM



Qty	Type	Product	Volts	Watts	Length (Unit)	Description	Color
14		OFM2508BL	208	2500	2585mm	OFM 2500W 208V WHITE #D04	
22		OFM1258BL	208	1250	1447mm	OFM 1250W 208V WHITE #D09	
46		OFM1508BL	208	1500	1668mm	OFM 1500W 208V WHITE #D07	White
14		OFM2508BL	208	2500	2585mm	OFM 2500W 208V WHITE #D04	White
46		OFM1508BL	208	1500	1668mm	OFM 1500W 208V WHITE #D07	
22		OFM1258BL	208	1250	1447mm	OFM 1250W 208V WHITE #D09	White
14		OFM2008BL	208	2000	2128mm	OFM 2000W 208V WHITE #D05	
50		OFM0758BL	208	750	945mm	OFM 750W 208V WHITE #D17	White
24		OFM0508BL	208	500	691mm	OFM 500W 208V WHITE #D17	
102		OFM1008BL	208	1000	1206mm	OFM 1000W 208V WHITE #D12	
156		OFM0308BL	208	300	566mm	OFM 300W 208V WHITE #D18	
156		OFM0308BL	208	300	566mm	OFM 300W 208V WHITE #D18	White
14		OFM2008BL	208	2000	2128mm	OFM 2000W 208V WHITE #D05	White
102		OFM1008BL	208	1000	1206mm	OFM 1000W 208V WHITE #D12	White
24		OFM0508BL	208	500	691mm	OFM 500W 208V WHITE #D17	White
50		OFM0758BL	208	750	945mm	OFM 750W 208V WHITE #D17	

Project: Village Walk	Engineering seal
Consultant Engineer:	
Electrician Contractor: Howell Electric	
Distributor: Wesco Dist.Cda Inc. (Kamloops)	
Date : 2017-10-19	
Contact in Ouellet: Marie-Eve Ouellet	

* specifications may change without prior notice

Electronic Thermostats

Mechanical Thermostats



Electronic Thermostats

Product #	Price	Description
TH115-AF-024T/U	127.00	Programmable electronic low voltage thermostat (15-minute cycle) 0.5A at 24V
TH115-A-024T-15S ¹	127.00	Programmable electronic low voltage thermostat (15-second cycle) 0.5A at 24V
TH5220D1003	109.00	Non programmable, electronic, heat/cool, low voltage thermostat (up to 2 heat/2 cool), 0.5A at 24V
TH6220D1002	167.00	Programmable, electronic, heat/cool, low voltage thermostat (up to 2 heat/2 cool), 0.5A at 24V
OTH824	47.00	Low voltage electronic thermostat, 0.5A at 24V

¹ Floor sensor not included.
Standard color is white.

Double-Pole Line Voltage Electronic Thermostat

Product #	Price	Watts	Volts	Amp	Description
TH114-A-240D	56.00	3600	240/208	15	Non programmable electronic double-pole line voltage thermostat

Standard color is white.

Non programmable line voltage electronic thermostat

Product #	Price	Watts	Volts	Description
TL116	26.00	1500/2600/3000	120/208/240	Non programmable line voltage electronic thermostat

Standard color is white.

Mechanical Low Voltage Thermostats

Product #	Price	Description
T87K1015	57.00	Mechanical low voltage thermostat, round 10 °C to 35 °C
T822K1034	32.00	Mechanical low voltage thermostat, rectangular, 10 °C to 32 °C

Standard color is white.

Mechanical Line Voltage Thermostats

Product #	Price	Description	Temperature
OTL101C	14.00	Mechanical line voltage thermostat, single-pole, single-throw, 19A at 277V, 22A at 120/208/240V	5 °C to 25 °C
OTL101F	19.00	Mechanical line voltage thermostat, double-pole, single-throw, 19A at 277V, 22A at 120/208/240V	41 °F to 80 °F
OTL102C	22.00	Mechanical line voltage thermostat, single-pole, single-throw, 19A at 277V, 22A at 120/208/240V	5 °C to 25 °C
OTL102F	26.00	Mechanical line voltage thermostat, double-pole, single-throw, 19A at 277V, 22A at 120/208/240V	41 °F to 80 °F
T498A1927	20.00	Mechanical line voltage thermostat, single-pole, single-throw, 19A at 277V, 22A at 120/208/240V	5 °C to 25 °C

Standard color is white.

Series

OTL





Qty	Type	Product	Volts	Watts	Lenght (Unit)	Description	Color
300		OTL101C				MEC. STAT 1P 19A@277V 22A@240V CELSIUS WHITE #N09	

Project: Village Walk	Engineering seal
Consultant Engineer:	
Electrician Contractor: Howell Electric	
Distributor: Wesco Dist.Cda Inc. (Kamloops)	
Date : 2017-10-19	
Contact in Ouellet: Marie-Eve Ouellet	

* specifications may change without prior notice

Electronic Thermostats

Models

	Product #	Description	Qty
	TH114-A-024T-15S	Non programmable electronic low voltage thermostat (15-second cycle) 0.5A at 24V	
	TH114-AF-024T	Non programmable electronic low voltage thermostat (15-minute cycle) 0.5A at 24V	
	TH115-AF-024T/U	Programmable electronic low voltage thermostat (15-minute cycle) 0.5A at 24V	
	TH115-A-024T-15S¹	Programmable electronic low voltage thermostat (15-second cycle) 0.5A at 24V	
	TH5220D1003	Non programmable, electronic, heat/cool, low voltage thermostat (up to 2 heat/2 cool), 0.5A at 24V	
	TH6220D1002	Programmable, electronic, heat/cool, low voltage thermostat (up to 2 heat/2 cool), 0.5A at 24V	

¹Floor sensor not included.
Standard color is white.

Series

TH-24V-EL

Qty	Type	Product	Volts	Watts	Lenght (Unit)	Description	Color
72		OTL102C				MEC. STAT 2P 19A@277V 22A@240V CELSIUS WHITE #N03	

Project: Village Walk	Engineering seal
Consultant Engineer:	
Electrician Contractor: Howell Electric	
Distributor: Wesco Dist.Cda Inc. (Kamloops)	
Date : 2017-10-19	
Contact in Ouellet: Marie-Eve Ouellet	

* specifications may change without prior notice

SMOKE ALARM

9120A - 120V AC Wire-in

**9120BA - 120V AC Wire-in
w/9V Battery Back-up**



Features

Benefits

Dual Ionization Sensing Technology

Ionization technology is most sensitive to fast flaming fires. The sensing chamber is screened for insect protection.

“Smart Technology” system

A system of improvements designed to reduce nuisance alarms. A redesigned cover, metal sensing chamber and new integrated circuit (IC) work together to reduce nuisance alarms.

Latching Alarm Indication

When interconnected in a series, the unit that triggered the alarm rapidly flashes its red LED indicator. After the alarm condition subsides, the initiating unit will store in memory or “latch” the information and begin to flash the green LED indicator 2 seconds on, 2 seconds off.

Single Button Test/Silence

Eliminates confusion. Depending on what mode the alarm is in, pushing the button will test, silence, or re-test the alarm when in silence and clear the latching feature.

Operates on 120VAC (9120BA) with 9V battery back-up

Keeps alarm working during a power failure.

Easy access side-load battery drawer (9120BA)

Battery installation and removal can occur while the unit is mounted to the ceiling or wall via the side load battery compartment.

Locking Features

Pins are provided to lock battery drawer (*9120BA only*) and / or alarm to base. Great for apartment, dormitory or hotel applications where unauthorized removal of alarm is not desired.

Interconnectable—up to 18 devices, of which 12 can be smoke alarms

Can be interconnected with up to 12 smoke alarms and the remaining six can be combination units and / or RM4 realsys.

“Quick-Connect” wiring harness

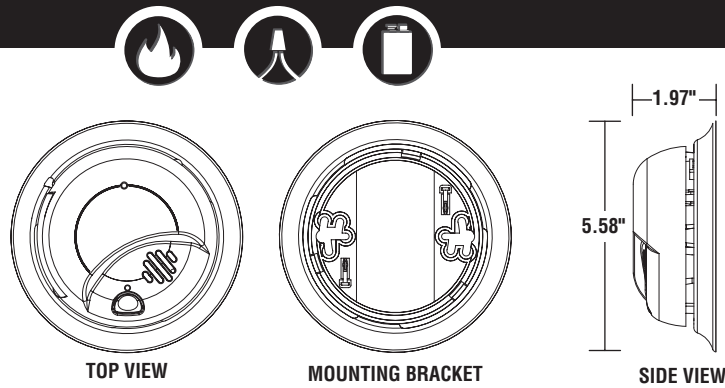
Provides quick and easy connection to AC power

Dicon Global Inc.
88B East Beaver Creek Road, Unit 6
Richmond Hill, Ontario Canada L4B 4W2
info@diconglobal.com
Tel: 905-482-3270 Fax: 905-731-8267



CAT. **9120A - 120V AC, 60Hz, Wire-in**
9120BA - with 9 volt battery back-up

SMOKE ALARMS

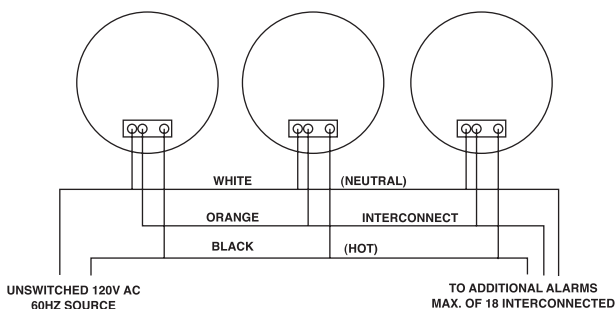


Architectural and Engineering Specifications

1. The unit shall be capable of self restoring.
2. A screened sensing chamber to prevent entry of small insects thereby reducing the probability of unwanted nuisance alarms.
3. Powered by 120V AC, 60Hz and have a monitored 9V battery backup (model 9120BA only).
4. A visual LED (green) power-on indicator to confirm unit is receiving power.
A visual LED (red) power-on indicator to confirm unit is working properly.
5. A test button to check all alarm functions by stimulating the chamber to simulate a smoke condition, causing the unit to alarm.
6. A solid state piezo horn rated at 85dB minimum at 3 meters.
7. The unit shall be capable of operating between 4 degrees C (40 degrees F) and 38 degrees C (100 degrees F) and relative humidity between 10% and 90%
8. The unit shall center mount to any standard electrical junction box up to 4 inches diagonally without screw removal and shall be listed for wall or ceiling mounting.
9. The unit shall have an optional locking mechanism to deter battery removal (model 9120BA only) and/or theft of the unit.
10. The unit shall have a gasketless base for easy installation and be capable of keeping alarm secure over a wide rotation range to allow for true alarm alignment.
11. The unit shall have a plug in connector and be capable of interconnection of up to 18 alarms, 12 of which can be smoke alarms.
12. The unit shall at a minimum meet the requirements of ULC S-531-02.

Installation Of Smoke Alarm

Installation of this smoke alarm must conform to all local electrical codes and Canadian Electrical Code C22.1. Interconnected units must meet the following requirements: Total length of wire interconnecting units should be less than 1000 feet, be #18 gauge or larger and be rated at least 300V. It is recommended that all units be on the same fuse or circuit breaker.



TECHNICAL SPECS :

Alarm Dimensions	5.58" dia. x 1.97" H
Weight	6.5 oz. (9120A) 7.8 oz. (9120BA)
Operating Voltage	120V AC 60Hz (9120A) 120V AC 60Hz w/9V battery backup (9120BA)
Operating Current	.04 amps (standby/alarm)
Temperature Range	40°F (4°C) to 100°F (38°C)
Humidity Range	10% to 90% relative humidity (RH)
Audio Alarm	85dB at 10 feet
Test Button	Electronically simulates the smoke condition, causing the unit to alarm.
Alarm Reset	Automatic when smoke clears
Interconnections	Up to 18 units of which 12 can be smoke alarms
Sensor	Dual chamber ionization
Indicator LEDs	AC Power: Constant Green LED DC Power (9120BA) : Intermittent Red LED Remote Alarm: Red LED out Local Alarm: Red LED flashes rapidly Latching Alarm: Green LED flashes 2 sec. on / 2 sec. off after local alarm stops
Listing	ULC S-531-02

SHIPPING SPECS :

Individual Carton Dimensions	5.69"L x 2.25"W x 5.59"H
Weight	.53 lbs. (9120A); .61 lbs. (9120BA)
Cube	.04 ft ³
UPC	9120A: 0 29054 00109 2 9210BA: 0 29054 00108 5
Master Carton Dimensions	14.43" L x 6.19" W x 12.63" H
Master Pack	12
Weight	7.0 lbs (9120A); 7.9 lbs. (9120BA)
Cube	.653 ft ³
UPC	9120A: 100 29054 00109 9 9210BA: 100 29054 00108 2
Pallet Information	
Cases per Layer	19
Number of Layers	3
Cases per Pallet	57
Cube	42.2 ft ³
Weight	359 lbs. (9120A); 450 lbs. (9120BA)

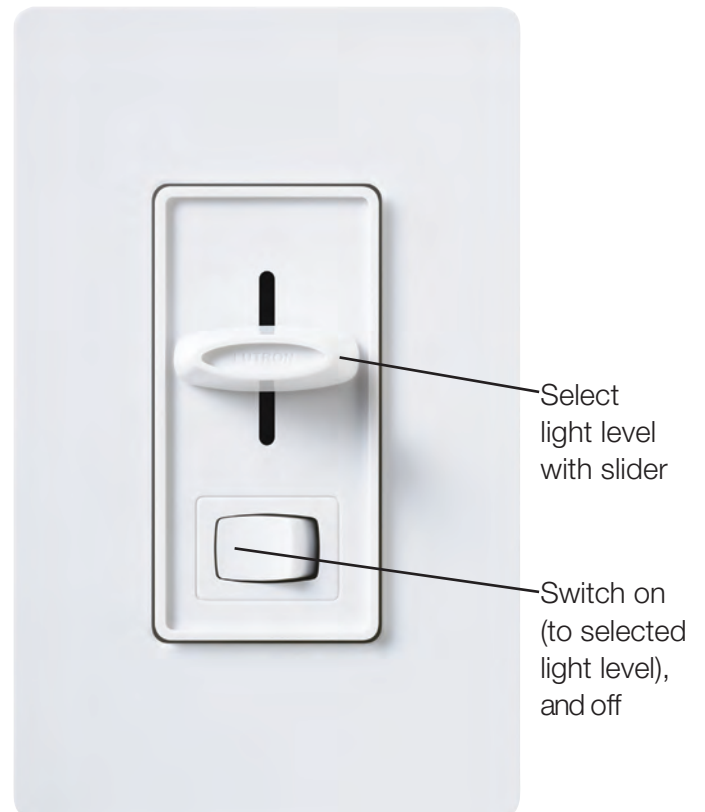
Contact:
Dicon Global Inc.
88B East Beaver Creek Road, Unit 6
Richmond Hill, Ontario Canada L4B 4W2
info@diconglobal.com
Tel: 905-482-3270 Fax: 905-731-8267

Skylark C•L Dimmer

Dimmer for CFL, LED, Halogen, and Incandescent dimmable bulbs.

Features

- On/off rocker switch with a linear-slide dimmer for a standard designer wallplate opening
- HED Technology: Advanced Lutron dimming circuitry designed for compatibility with most high efficacy light bulbs
- UL® Listed to control:
 - Dimmable Compact Fluorescent Lamps (CFL) with integrated ballast
 - Dimmable LED with integrated driver
 - Halogen
 - Incandescent
- Low-end adjustment to accommodate a wide range of bulbs
- Switch returns load to previous level
- 100% factory tested



Select light level with slider

Switch on (to selected light level), and off

Wallplate sold separately

Application Requirements

- **When dimming CFLs or LEDs, only bulbs marked or rated as DIMMABLE may be used.**
- For a complete list of compatible DIMMABLE CFLs and LEDs please visit www.lutron.com/dimcflled. For questions call 1.844.LUTRON1.
- Some DIMMABLE CFLs and LEDs require a minimum number of bulbs for proper operation. For details and a list of bulbs, please visit www.lutron.com/dimcflled.

Model Number

- SCL-153P-XX^{1, 2} Single pole/3-way³
- SCL-153PH-XX-C^{1, 4} Single pole/3-way³

¹ "XX" in the model number represents color/finish code; see "Colors and Finishes" on next page.
² For clamshell packaging, add "H" after "153P". Clamshell packaged product available in AL, IV, LA, and WH.
³ For 3-way and 4-way switching, use Claro switches or other mechanical switches.
⁴ Clamshell packaged product for Canada. Available in AL, IV, LA, and WH.

Job Name:	Model Numbers:
Job Number:	

Specifications

Regulatory Approvals

- UL[®] Listed to US and Canadian safety requirements
UL1472 / CSA C22.2 184.1
- NOM

Power and Ratings

- 120 V~ 60 Hz
- 150 W dimmable CFL/LED
- or**
- 600 W Incandescent/Halogen
- or**
- Mixed bulb type per **Multigang and Mixed Bulb Type Ratings** table (see page 3)

Environment

- For indoor use only
- Operating temperatures 0 °C to 40 °C (32 °F to 104 °F).

Performance

- Power-failure memory
- Linear slider
- Electrostatic discharge tested
- Precise color matching
- Mechanical air-gap switch to disconnect load power

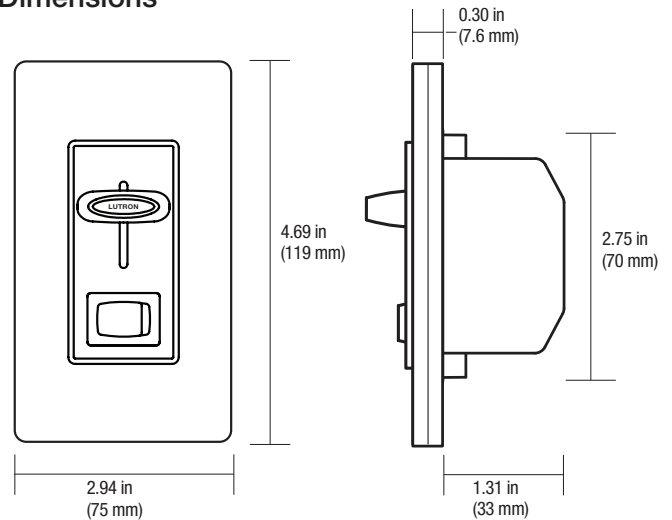
Product Specific Features

- Capable of controlling up to 150 W Dimmable CFL/LED or 600 W Incandescent/Halogen or Mixed bulb type per **Multigang and Mixed Bulb Type Ratings** table (see page 3)

Warranty

- 1 Year Limited Warranty
- For additional Warranty information, please visit www.lutron.com/TechnicalDocumentLibrary/369-119_Wallbox_Warranty.pdf

Dimensions



Note: Requires a U.S. wallbox 2½ in (64 mm) deep minimum.

Colors and Finishes:

Gloss Finishes

Add color/finish code to model #

Example: SCL-153P-WH

WH	White
IV	Ivory
AL	Almond
LA	Light Almond
GR	Gray
BR	Brown
BL	Black

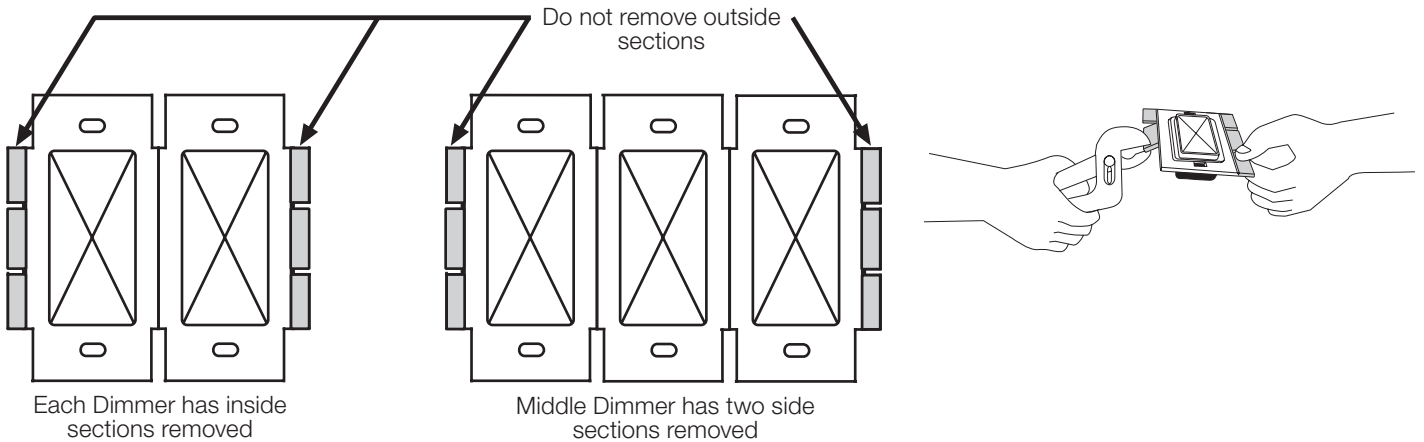
Job Name:	Model Numbers:
Job Number:	

Multigang and Mixed-Bulb-Type Ratings

When installing more than one Dimmer in the same wallbox, it may be necessary to remove some side sections prior to wiring (**see diagram**). Removal of Dimmer side sections may reduce maximum wattage, as shown in the chart below.

Mixing bulb types (**using a combination of CFL/LED, and Incandescent/Halogen bulbs**) will also affect the maximum ratings, as shown in the chart below.

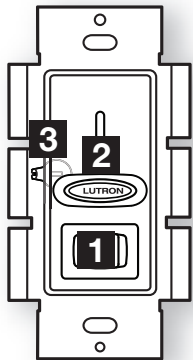
*EXAMPLE: If one set of side sections is removed and you have two 24 W CFL bulbs installed (Total CFL Wattage = 48 W), you may add up to 300 W of incandescent or halogen lighting.



Total CFL/LED Wattage Installed (Wattage per bulb x # of bulbs)	+	Maximum Allowable Incandescent/Halogen Wattage		
		No sides removed	1 side removed	2 sides removed
0 W	+	600 W	500 W	400 W
1 W – 25 W	+	500 W	400 W	300 W
26 W – 50 W	+	400 W	300 W	200 W
51 W – 75 W	+	300 W	200 W	100 W
76 W – 100 W	+	200 W	100 W	50 W
101 W – 125 W	+	100 W	50 W	0 W
126 W – 150 W	+	0 W	0 W	0 W

Job Name:	Model Numbers:
Job Number:	

Operation (View with wallplate removed)



1 Switch
Turns lights ON and OFF.

2 Slider
Controls light level.

+ ↑ **Up**
Increases light level

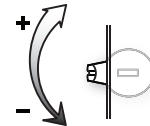
- ↓ **Down**
Decreases light level

IMPORTANT: Set slider to bottom before adjusting dimming range.

Lever-type Adjustment Dial

3 Adjustment lever
Sets low end dimming limit.

Up (clockwise)
Increases brightness



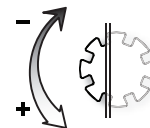
Down (counter-clockwise)
Decreases brightness

OR

Wheel-type Adjustment Dial

3 Adjustment dial
Sets low end dimming limit.

Up (clockwise)
Decreases brightness



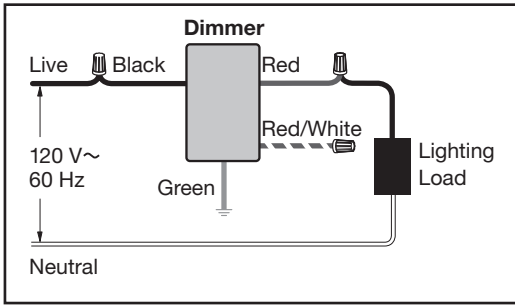
Down (counter-clockwise)
Increases brightness

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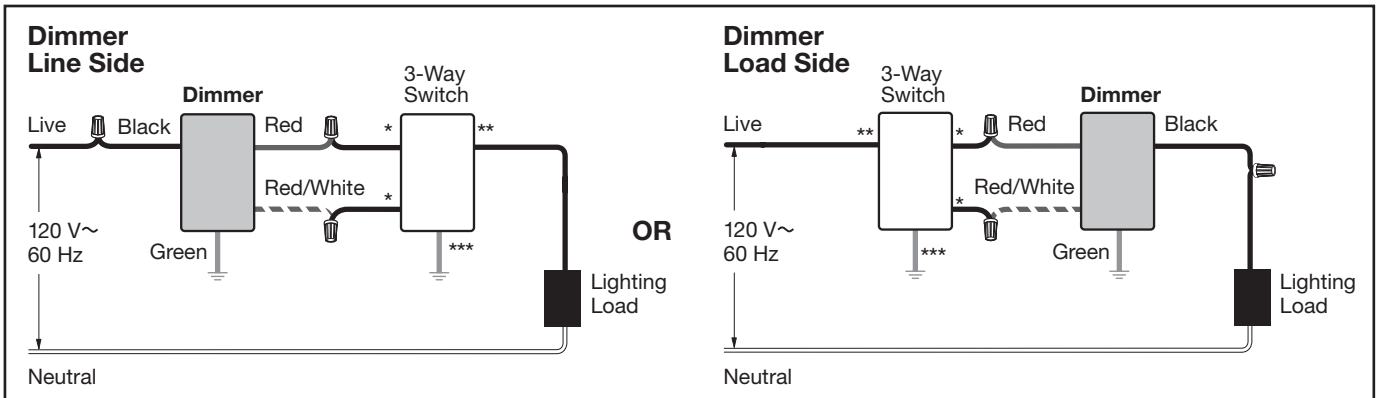
Job Name:	Model Numbers:
Job Number:	

Wiring Diagrams

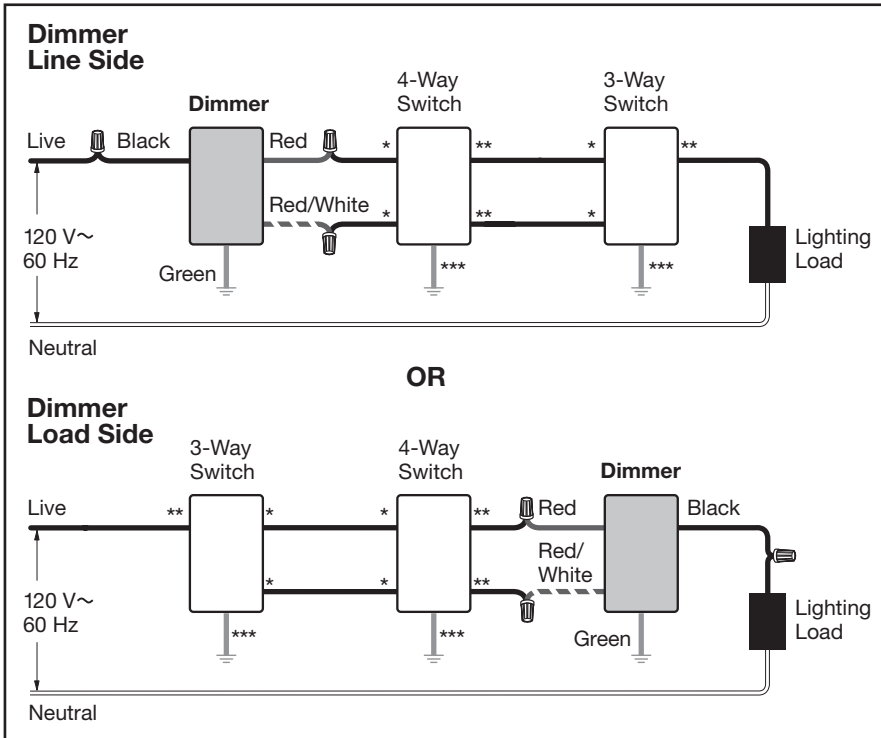
Single-Pole Wiring



3-Way Wiring



4-Way Wiring



- * or Copper/Black screw terminal
- ** or Brass/Gold screw terminal
- *** or Green screw terminal
- † Please refer to switch instruction sheet for proper wiring.

Note for 4-Way Wiring:
Dimmer must be installed Line Side or Load Side. It cannot be installed in the 4-way location.

Job Name:	Model Numbers:
Job Number:	

SMOKE & CARBON MONOXIDE ALARM

BRK®



CAT. **SC9126BTCA** Zero Waste Edition

120V AC, Wire-in with 9V Battery Backup

ELECTROCHEMICAL CO SENSOR

Most accurate technology available for detecting carbon monoxide as compared to other sensing technologies.

DUAL IONIZATION

Dual Ionization sensing chamber. Generally more effective at detecting small particles produced by flaming fires. Sources may include paper or kitchen grease.

SINGLE BUTTON TEST/SILENCE

Silences and tests alarm with a single button.

TWO LATCHING FEATURES

Alarm Latch: Easily identifies initiating alarm even after alarm condition has subsided. Low Battery Latch: Identifies which unit is in low battery condition.

LOUD 85DB ALARM



Intertek



IONIZATION



1 BUY IT
Buy this **NEW** alarm and we will recycle your **OLD** alarm.

2 INSTALL IT
Install your **NEW** alarm.

3 RECYCLE IT
Place your **OLD** alarm in this package and drop it off at a depot near you.
For depot locations: firstalert.ca/depots

HELP CREATE A GREENER WORLD

The BRK Zero Waste program is a 360 degree solution allowing over 300,000 lbs of alarm waste to be diverted from Canadian landfills annually. When a consumer purchases the SC9126BTCA alarm they may take their old unit in the zero waste box and drop it off at a BRK® registered **ZERO WASTE DEPOT** for the unit to be recycled into new products.

NO ADDED COSTS - NO ECO FEES



Model SC9120BA

CAT. **SC9126BTCA**
Zero Waste Edition



ARCHITECTURAL AND ENGINEERING SPECS:

The combination smoke and carbon monoxide alarm shall be a BRK Model SC9126BTCA and shall provide at a minimum the following features and functions:

1. An Ionization smoke sensing chamber.
2. An Electrochemical co sensing chamber.
3. The unit shall be capable of self restoring.
4. Fully screened sensing chamber to resist entry of small insects thereby reducing the probability of unwanted alarms.
5. Powered by 120V AC, 60Hz with 9V battery backup and a solid state piezo horn rated at 85dB at 10 ft.
6. A visual green LED power-on indicator to confirm unit is receiving power or is in alarm.
7. A full function test button should check all alarm functions by simulating a smoke and then co condition, causing the unit to alarm with condition specific alarm patterns.
8. Two silence features - Temporarily silence unwanted nuisance alarms and low battery.
9. Two Latching features: Alarm Latch to easily identify initiating alarm after alarm condition has subsided. Low battery latch: to visually identify which unit is in low battery condition.
10. The unit shall be capable of operating between 40°F (4°C) and 100°F (38°C) and relative humidity between 10% and 90%.
11. The unit shall have a gasketless base for easy installation and be capable of keeping alarm secure over a wide rotation range to allow for true alarm alignment.
12. The unit shall have a plug in connector and be capable of interconnection of up to 18 alarms, 12 of which can be smoke alarms.

The unit must have a Manufacturers Extended Producer Responsibility (“EPR”) program attached, that allows the return and recycling of any smoke or Carbon Monoxide alarm being replaced by installation of The BRK model. This EPR program must meet Provincial Guidelines for the Handling and Recycling of all materials involved, and must be at no added cost to the end-user or taxpayer as a result.

TECHNICAL SPECS:

Alarm Dimensions:	5.6" dia x 2.0"H
Colour:	White
Warranty:	7 Years
Operating Voltage:	120V AC 60Hz , 9V Battery Backup
Sensor :	Ionization & Co Electrochemical Sensor
Operating Temp Range:	4° C - 38° C
Humidity:	10% to 90% relative humidity (RH)
Audio Alarm:	85dB at 10 ft
Listing:	cETL- ULC S531 /CSA 6.19

SHIPPING SPECS:

Individual Box Dimensions	5.6"H x 2.2"W x 5.6"L
Cube	71.57 in ³
UPC	0 2905401041 4

Master Carton Dimensions	12.63"H x 6.2"W x 14.4"L
Master Pack	12
Weight	0.539 lbs
Cube	0.653 ft ³
Case UPC	200 29054 01041 8

Pallet Information

Cases per Layer	19
Number of layers	3
Cases per Pallet	684
Cube	42.17 ft ³
Weight	95.740 lb



NO ECO FEES



WASTE DIVERSION



7 YEAR WARRANTY

To find a depot near you visit:
www.brk.ca/depots or www.firstalert.ca/depots



SSM/SSV Series Alarm Bells

System Sensor's SSM and SSV series alarm bells are low current, high decibel notification appliances for use in fire and burglary systems or other signaling applications.



Features

- Approved for indoor and outdoor use
- Low current draw
- High dB output
- Available in six-inch, eight-inch, and ten-inch sizes
- AC and DC models
- DC models polarized for use with supervision circuitry
- Mount directly to standard four-inch square electrical box indoors
- SSM and SSV series come pre-wired

Reliable Performance. The SSM and SSV series provide loud resonant tones. The SSM series operates on 24VDC and are motor driven, while the SSV series operates on 120VAC utilizing a vibrating mechanism.

Simplified Installation. For indoor use, the SSM and SSV series mount to a standard four-inch square electrical box. For outdoor applications, weatherproof back box, model number WBB, is used.

The SSM and SSV series come pre-wired, to reduce installation time. The SSM series incorporates a polarized electrical design for use with supervision circuitry.

Agency Listings



SSM/SSV Specifications

Architectural/Engineering Specifications

Model shall be a SSM or SSV Series alarm bell. Bells shall have underdome strikers and operating mechanisms. Gongs on said bells shall be no smaller than nominal 6" / 8" / 10" (specify size) with an operating voltage of 24VDC or 120VAC (specify by part number). Bells shall be suitable for surface or semi-flush mounting. Outdoor surface mounted installations shall be weatherproof (using optional WBB weatherproof electrical box). Otherwise bells shall mount to a standard 4" square electrical box having a maximum projection of 2½". Bells shall be located as shown on the drawings or as determined by the Authority Having Jurisdiction. Bells shall be listed for indoor/outdoor use by Underwriters Laboratories and the California State Fire Marshal, and approved by Factory Mutual and MEA.

Physical/Operating Specifications

Operating Temperature Range	-31°F to 140°F
Operating Voltage	SSM series: 24VDC SSV series: 120VAC
Termination	Provided with 2 sets of leads for in/out wiring
Service Use	Fire Alarm, General Signaling, Burglar Alarm
Warranty	3 years

Electrical Specifications

Model	Gong Diameter (inches)	Nominal Voltage	Operating Voltage Limit	Maximum Current	Sound Output (dBA)
SSM24-6	6	Regulated 24VDC	16 to 33VDC	DC-31.1mA/ FWR-53.5mA	82
SSM24-8	8	Regulated 24VDC	16 to 33VDC	DC-31.1mA/ FWR-53.5mA	80
SSM24-10	10	Regulated 24VDC	16 to 33VDC	DC-31.1mA/ FWR-53.5mA	81
SSV120-6	6	Regulated 120VAC	96 to 132VAC	53mA	85
SSV120-8	8	Regulated 120VAC	96 to 132VAC	53mA	82
SSV120-10	10	Regulated 120VAC	96 to 132VAC	53mA	82

* Sound output measured at Underwriter Laboratories, as specified in UL464

Ordering Information

UL/FM Model No.	ULC/Canadian Model No.	Description
SSM24-6	SSM24-6A	Bell, 6", 24VDC, Polarized, 82dBA
SSM24-8	SSM24-8A	Bell, 8", 24VDC, Polarized, 80dBA
SSM24-10	SSM24-10A	Bell, 10", 24VDC, Polarized, 81dBA
SSV120-6	SSV120-6A	Bell, 6", 120VAC, 85dBA
SSV120-8	SSV120-8A	Bell, 8", 120VAC, 82dBA
SSV120-10	SSV120-10A	Bell, 10", 120VAC, 82dBA
WBB		Weatherproof back box for SSM and SSV series, when installed outdoors



3825 Ohio Avenue • St. Charles, IL 60174
Phone: 800-SENSOR2 • Fax: 630-377-6495

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Product specifications subject to change without notice. Visit systemsensor.com for current product information, including the latest version of this data sheet.
A05-0260-010 • 08/11 • #2870

VPT24-1PZ



UPC Code: 07847747755

Country Of Origin: China

VPT24-1PZ

Brand Features

Leviton offers many products that will help lower electrical costs and add convenience to everyday living. By simply replacing standard switches with timer switches will reduce energy consumption and extend bulb life. Better than ever - Leviton Decora® brand Timer Switches offer advanced features, superior accuracy and contemporary aesthetics. Our robust selection provides convenient timed control of lighting and motor loads in homes, offices, schools, hotel rooms and other small commercial applications. Homeowners can set lights to turn on and off for a lived-in look while they are away, or automate control of heat lamps, pool pumps or bathroom fans. Our versatile selection includes fully programmable and preset timers in popular styles and colors. All are backed by Leviton's long history of quality and reliability.

Item Description

Vizia+ 24 hour Timer 120VAC, 60HZ, 1800W Incandescent, 15A Resistive/Inductive, 1HP, for single pole, 3-way or more locations, with astronomic clock, backlit LCD display, timer settings at a glance, green LED locator, neutral required. White assembled on device, ivory and light almond included.

Additional Product Information

Need help programming your timer? Please visit our VPT24 [Asset Included(id:1462831100676;Type:Page)].

Obtaining Longitude/Latitude Coordinates

Find your longitude and latitude coordinates to enable the VPT24 to provide accurate local sun up/sun down times by clicking the link below and entering your home address. Use the first 2 digits (degrees) of the coordinates when programming the sun up/sun down feature. You should ignore the (-) sign if one is shown in your coordinate results.

[Longitude/Latitude Coordinates Lookup...](#)

Technical Information

Product Features

Neutral: Required

Type: Electronic

Warranty: 5-Year Limited

Timer Type: 24 Hour LCD Programmable

Voltage: 120 Volt AC 60 Hz

Color: White Ivory Light Almond

Style Name: Decora

Switch Type: Single-Pole & 3-Way

Ordering Notes: Incl White, Ivory and Light Almond Color Kit

Standards and Certifications: UL/CSA

Wire: 3

SPECIFICATION SUBMITTAL

JOB NAME:	CATALOG NUMBERS:	
<input type="text"/>	<input type="text"/>	<input type="text"/>
JOB NUMBER:	<input type="text"/>	<input type="text"/>

Leviton Manufacturing Co., Inc.

201 North Service Road, Melville, NY 11747

Teléfono: +1-800-323-8920 · FAX: +1-800-832-9538 · Tech Line (8:30AM-7:30PM E.S.T. Monday-Friday): +1-800-824-3005

Leviton Manufacturing of Canada, Ltd.

165 Hymus Boulevard, Pointe Claire, Quebec H9R 1E9 · Telephone: +1-800-469-7890 ·

FAX: +1-800-824-3005 · www.leviton.com/canada

Leviton S. de R.L. de C.V.

Lago Tana 43, Mexico DF, Mexico CP 11290 · Tel.: (+52)55-5082-1040 · FAX: (+52)5386-

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Visit our Website at: www.leviton.com

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www.leviton.com/international/contacts/

