Revera Ottawa LTC

850 Champlain Road, Ottawa

Type of Document:
Lighting Fixture Cut Sheets

Project Name:
Revera Ottawa, Champlain Rd

Project Number:
GR8-00020059-00

Prepared and Reviewed By:
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1266 South Service Road, Suite C1-1
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Submission:
Site Plan Approval 1

Date Submitted:
July 3, 2020

dweLED

Mod
6" Outdoor Wall Sconce 3000K

Model & Size	Color Temp & CRI	Watt	Voltage	LED Lumens	Delivered Lumens	Finish
○ WS-W65607 7"	3000K 90	16.5W	120-277 VAC	1165	850	○ BK Black ○ BZ Bronze ○ GH Graphite ○ WT White

Example: **WS-W65607-BK**

DESCRIPTION

Expertly crafted from die-cast aluminum. The Mod family features a smooth curved modern shape. ADA Compliant and Dark Sky friendly. Ideal for exterior residential, hospitality and commercial applications.
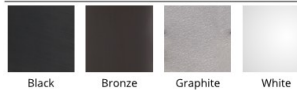
FEATURES

• Weather resistant powder coat finish
• Low profile with effective path illumination
• Light engine is factory sealed for maximum protection from the elements
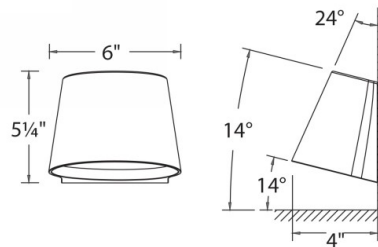• Driver concealed within the fixture
• 5 year warranty

SPECIFICATIONS

Color Temp:	3000K
Input:	120-277 VAC, 50/60Hz
CRI:	90
Dimming:	ELV: 100 - 10%
Rated Life:	70000 Hours
Mounting:	Can be mounted on wall in all orientations
Standards:	ETL, cETL, IP65, Title 24 JA8-2016 Compliant Wet Location Listed
Construction:	Aluminum hardware with glass diffuser

FINISHES

Black   Bronze   Graphite   White

LINE DRAWING

WS-W65607

6" 5¼" 24° 14° 14° 4"

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TYPE
CW1

Release: 02.JUN.2020
Revision:

CUT SHEET FOR REFERENCE ONLY. REFER TO FIXTURE SCHEDULE FOR PART NUMBER AND ADDITIONAL INFORMATION.

HALO

DESCRIPTION

The Halo Surface LED Downlight (SLD) incorporates WaveStream™ technology to create an ultra-low profile surface mounting luminaire with the performance and look of a traditional downlight. SLD4 is designed for installation in many 3-1/2" and 4" round or octagon junction boxes. May also retrofit in 4" aperture IC and Non-IC recessed housings*. Dedicated LED wiring connector meets high-efficacy code requirement in recessed downlighting. Suitable for residential or commercial installations. Ideal for closets, storage areas, attics and basements. Compliant with NFPA® 70, NEC® Section 410.16 (A)(3) and 410.16 (C)(5).

SPECIFICATION FEATURES

CONSTRUCTION
- Die cast aluminum trim ring and die formed aluminum frame

OPTICS
- WaveStream™ technology provides uniform luminance from a low profile flat lens
- AccuAim™ optics provide directional control for the "cone-of-light" beam distribution of a traditional downlight
- Precision molded lens features high transmission polymer with UV stabilized protecting film

DESIGNER TRIMS
Accessories (sold separately)
SLD designer trims are accessory rings that attach to the SLD for a permanent finish. Refer to SLD accessories specification sheet for details.
- White (Paintable)
- Satin Nickel
- Tuscan Bronze

ELECTRICAL JUNCTION BOX MOUNTING
- SLD may be used in compatible electrical junction boxes in direct contact with insulation including spray foam insulation
- Suitable for installation in many 3-1/2" and 4" octagon and round electrical junction boxes. **Note:** Driver consumes 3 cubic inches of junction box.
- Installer must ensure compatibility of fit, wiring and proper mounting in the electrical junction box. This includes all applicable national and local electrical and building codes.
- Proprietary Slot-N-Lock quick installation system for junction box installation

- T-bracket with Slot-N-Lock mounting tabs included.

RECESSED HOUSING MOUNTING
Friction Blade
- Pre-installed precision formed friction blades included
- Friction blade design allows the SLD to be installed in any position within the housing aperture (360 degrees)
- **Note:** Not for use in recessed housings in direct contact with spray foam insulation refer to NEMA LSD 57-2013

LED
- Trilateral linear LED assembly is integrated in trim perimeter.
- Color Temperature: 2700K, 3000K, 3500K, 4000K
- CRI options: 80 and 90†
  - 90 CRI can be used to comply with California Title 24 High Efficacy requirements. Certified to California Appliance Efficiency Database under JA8
- L70 at 50,000 hours projected in accordance with TM-21

WARRANTY
Eaton provides a five year limited warranty on the SLD LED

LED CHROMATICITY
- A tight chromaticity specification ensures LED color uniformity, sustainable Color Rendering Index (CRI) and Correlated Color Temperature (CCT) over the useful life of the LED
- LED chromaticity of 3 SDCM exceeds ENERGY STAR® color standards per ANSI C78.377-2008
- 90 CRI model features high color performance with R9 greater than 50

- Every Halo LED is quality tested, measured, and serialized in a permanent record to register lumens, wattage, CRI and CCT.
- Halo LED serialized testing and measurement ensures color and lumen consistency on a per-unit basis, and validates long-term product consistency over time

ELECTRICAL CONNECTIONS
Junction Box
- Compatible with many 3-1/2" x 2" and 4" x 1-1/2" round and octagon boxes (2-1/8" deep boxes recommended)
- Supply Wire Adapter with LED quick connector included

Recessed Housings
- LED connector is compatible with Halo 4" H995 and H245 Series LED Housings
- LED Connector meets California Title-24 high-efficacy luminaire standard as a non-screw base
- The included E26 Edison screw-base adapter provides capability for retrofit*
- LED connector is a non-screwbase luminaire disconnect for tool-less installation

LED DRIVER
- Driver is a 120V input high efficiency, dimmable electronic power supply providing DC power to the LED array
- Driver features high power factor, low THD, and has integral thermal protection in the event of over temperature or internal failure.
- Driver is replaceable if it should be required

SLD4058xxWH

80CRI

2700K, 3000K, 3500K, and 4000K

SLD4059xxWH

90CRI

2700K, 3000K, 3500K, and 4000K

4" Surface LED Downlight

Suitable for ceiling or wall electrical junction boxes

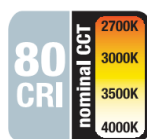**Suitable for 4" recessed housing retrofit (IC, Non-IC & AIR-TITE™)**

ENERGY DATA

	80 CRI	90 CRI
Lumens (4000K models)	800	710
Input Voltage	120V	120V
Frequency	50/60 Hz	50/60 Hz
Input Current	0.10 A	0.10 A
Input Power	12.2 W	12 W
Efficiency (4000K models)	66 lm/W	59 lm/W
THD	≤ 20%	
Power Factor	≥ 0.90	
T Ambient	-30 - +40°C	
Sound Rating	Class A	

NOMENCLATURE

S L D 405 8 30 WH
- **405** = 4" SLD
- **8** = >80 CRI
- **30** = 3000K
- **WH** = Matte White

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80 CRI nominal CCT 2700K 3000K 3500K 4000K

IECC Can be used for International Energy Conservation Code High Efficacy Compliance

RoHS

air Showerlight

Refer to ENERGY STAR® Certified Products List.

90 CRI nominal CCT 2700K 3000K 3500K 4000K 5000K

IECC Can be used for International Energy Conservation Code High Efficacy Compliance

T24 Efficiency Standards California Title 24 Residential and Non-Residential Compliant

RoHS

air Showerlight

Refer to ENERGY STAR® Qualified Products List.
Can be used to comply with California Title 24 High Efficacy requirements.
Certified to California Appliance Efficiency Database under JA8.
Indoor LED nominal CCT of 4000K or less.

EA·T·N
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*Non-California Product Only

TD518264EN
11/13/2018

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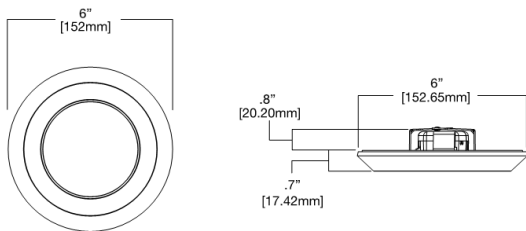**TYPE**
D1

Release: 02.JUN.2020
Revision:

DIMMING

- Designed for continuous dimming capability to nominally 5% with many 120V Leading Edge (LE) and Trailing Edge (TE) phase control dimmers. Dimming to 5% is best assured using dimmers with low end trim adjustment. Consult dimmer manufacturer for compatibility and conditions of use. (Note some dimmers require a neutral in the wallbox.)

COMPLIANCE

- cULus Listed ceiling and wall
- cULus Damp Location listed ceiling and wall
- cULus Wet Location Listed, ceiling only (shower rated)
- Suitable for use in closets, compliant with NFPA® 70, NEC® Section 410.16 (A)(3) and 410.16 (C)(5)

- SLD may be used in compatible electrical junction boxes in direct contact with insulation including spray foam insulation
- May be installed in IC recessed housings in direct contact with insulation (Not for use in recessed housings in direct contact with spray foam insulation. Refer to NEMA LSD 57-2013)
- UL Classified when used in retrofit with listed housings (See Housing Compatibility)
- EMI/RFI: meets FCC 47CFR Part 15 Class B limits, and is suitable for use in residential and commercial installations
- Airtight certified per ASTM E283 (not exceeding 2.0 CFM under 57 Pascals pressure difference)
- 90 CRI: Can be used to comply with California Title 24 High Efficacy requirements.

- 80 CRI: Can be used to comply with California Title 24 Non-Residential Lighting Controls requirements as a LED luminaire.
- Can be used for International Energy Conservation Code (IECC)
- ENERGY STAR® Certified luminaire - consult ENERGY STAR® Certified Product List
- Contains no mercury or lead and RoHS compliant.
- Photometric testing in accordance with IES LM-79
- Lumen maintenance projections in accordance with IES LM-80 and TM-21

SLD4058xxWH
80CRI
2700K, 3000K, 3500K, and 4000K
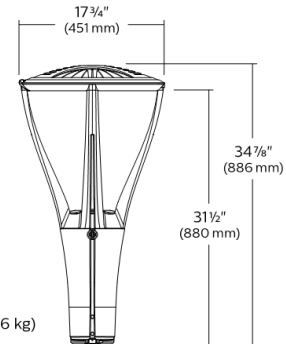
SLD4059xxWH
90CRI
2700K, 3000K, 3500K, and 4000K

4" Surface LED Downlight

Suitable for ceiling or wall electrical junction boxes

Suitable for 4" recessed housing retrofit (IC, Non-IC & AIR-TITE™)

DIMENSIONS

6"
[152mm]

6"
[152.65mm]

.8"
[20.20mm]

.7"
[17.42mm]

ORDERING INFORMATION

SAMPLE NUMBER: SLD405927WH SLD4TRMSN
Junction Box Installation: Order junction box separately, as supplied by others, to complete installation.
Recessed Installation: Order Halo recessed housing separately to complete installation.

Models	Color Rendering Index	Color Temperature (CCT)	Finish	Accessories
SLD405= 4" Surface LED Downlight, 120V California non-E26 Models **SLD405927WH**-CA **SLD405930WH**-CA **SSLD405935WH**-CA **SSLD405940WH**-CA	**8**=80 CRI **9**=90 CRI	**27**=2700K **30**=3000K **35**=3500K **40**=4000K	**WH**=White	Designer Trims Fit over the SLD4 for a designer finish **SLD4TRMSN**=4" SLD Satin Nickel **SLD4TRMTBZ**=4" SLD Tuscan Bronze **SLD4TRMWH**=4" SLD White (paintable) J-Box Spacer Extension Ring Add 15/16" depth when SLD driver cannot fit into installed junction box **SLD4EXT**=4" Surface LED J-Box Extender, 7.75" O.D. RAD Adapters When junction box is mounted flat on a ceiling or beam surface (not recessed in ceiling) **SLD4RAD**=4" SLD Round Surface J-Box Adapter, 6.15" O.D. (For 4-inch round or octagon junction boxes) Spare Parts **SLD4ACCKIT**=4" Accessory Parts Replacement Kit (Screwbase adapter, torsion springs, friction blades) **SLD4BRKT**=4" Junction Box Bracket & Screws Refer to SLD Accessories specification sheet for further information.

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LUMEC
by Signify

Urban
UrbanScape
MPTC
Post Top

Dimensions

17¾" (451 mm)

34⅞" (886 mm)

31½" (880 mm)

Lumec **UrbanScape LED** post top luminaire features flexible, robust energy-saving solutions for modern-styled urban architectural lighting. With its slightly rounded hood, the post top model comes with a flat lens to highlight the thinness of the LEDs. The luminaire provides attractive lighting at night, adding appeal to the surroundings and promoting safe use of the environment. Includes Service Tag, innovative way to provide assistance throughout the life of the product.

EPA: 1.7 sq ft
Weight: 32.2 lbs (14.6 kg)

Luminaire ordering guide

Example: MPTC–42W32LED4K–T–LE3–120–CDMGM25–PH8–BKTX

Series	LED Module	CCT	Gen.	Optical System	Voltage	Driver	Luminaire option	Mounting	Pole	Finish
MPTC			**G2**							
MPTC[1] UrbanScape LED post top luminaire	**35W32LED**[2] **55W32LED**[2] **72W32LED** **97W32LED**[2] **55W48LED** **80W48LED** **108W48LED** **140W48LED**[2] **70W64LED** **110W64LED** **90W80LED** **135W80LED**	**3K** 3000K **4K** 4000K	**G2** Gen 2	**LE2** Type II (ASYM) flat lens **LE3** Type III (ASYM) flat lens **LE3W**[3] Type III (ASYM) wide flat lens **LE4** Type IV (ASYM) flat lens **LE5** Type V (SYMM) flat lens	**120** 120V **208** 208V **240** 240V **277** 277V **347** 347V **480** 480V	**CDMG**[2] Dynadimmer for standard dimming (consult complete Dynadimmer scenarios on pg 3) **CLO**[2] Pre-set driver to manage lumen depreciation **AST**[2] Pre-set driver for progressive start-up **OTL**[2] Pre-set driver to signal end of life of the lamp **DALI** Pre-set driver compatible with the DALI control system **DMG** 0-10 volt	**HS** House Side Shield **OVR** Dynadimmer override function **PH8** Photoelectric cell **PH9** Shorting Cap **PHXL**[2] Photoelectric cell, extended life **RCD**[4] 5-Pin receptacle for dimming photoelectric cell **RCD7**[4] 7-Pin receptacle for photoelectric cell **TN3**[5] Fitter to fit over a 3" (76 mm) O.D. by 4" (102 mm) long tenon **TN3.5**[5] Fitter to fit over a 3¹/₂" (89 mm) O.D. by 4" (102 mm) long tenon	Consult the Signify web site for details and the complete line of Mountings	Consult the Signify web site for details and the complete line of Poles	**BE2TX** **BE6TX** **BE8TX** **BG2TX** **BKTX** **BRTX** **GN4TX** **GN6TX** **GN8TX** **GNTX** **GR** **GY3TX** **NP** **RD2TX** **RD4TX** **TG** **TS** **WHTX** (consult pg 4 for code descriptions)

1. DMG 0–10V driver come standard.
2. The 347V and 480V are not available.
3. Not available with HS option.
4. Use of photoelectric cell or shorting cap is required to ensure proper illumination.
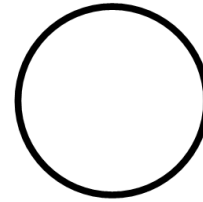5. Not available with Motion Response.

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TYPE
P1-P3

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GARDCO by Signify

The Gardco SRS straight round steel pole consists of a one–section design fabricated steel tubing circumferentially welded to a structural quality hot rolled carbon steel plate. The poles are finished with an electrostatically applied, thermally cured TGIC polyester powdercoat. All poles include anchor bolts, full base cover, hand hole, ground lug and top cap.

Project:

Location:

Cat.No:

Type:

Lamps: Qty:

Notes:

Ordering Guide

example: SRS103D1PPFES

Prefix	Height	Size	Drilling	Finish	Options
SRS					
SRS	10' 14' 16' 20' 25', 25H¹ 30', 30H¹	3" 4" 5"	D1 — 1 Way D2 — 2 Way D2@90 — 2 Way at 90° D3 — 3 Way D3@120 — 3 Way at 120° D4 — 4 Way T2 — 2 3/8" OD Tenon T4 — 4" OD Tenon	PP — Prime Painted BRP — Bronze Paint BLP — Black Paint WP — White Paint NP — Natural Aluminum Paint GV — Galvanized (No Paint) FPGV — Finished Paint over Galvanized *(specify color)* OC — Optional Color Paint *Specify RAL designation ex: OC-RAL7024.* SC — Special Color Paint *Specify. Must supply color chip.*	**FES** Festoon Outlet **AHH** Additional Hand Hole *For Festoon Outlets and Additional Hand Holes, indicate height above base and orientation to original hand hole. See Pole Orientation Information on Page 4.* **Couplings** **CL** Coupling – Internal thread *Indicate size (1/2", 3/4", 1", 1 1/4", 1 1/2",) Indicate height above base and orientation to hand hole. See Pole Orientataion Information on Page 4.* **Single Mount Bullhorn Brackets** **GM-080-19** Single – 1.9" OD **GM-080-24** Single – 2.4" OD *Indicate height above base and orientation to hand hole. See Pole Orientation Information on Page 4.* **Motion Response Provisions** **GMR** Provision for Gardco HID Motion Response System *Minimum Pole Height is 18'. Includes a 1/2" coupling placed 180° to the hand hole, 12' above the pole base.* **MSM** Motion Sensor Mounting Provision for LED Luminaires available with Motion Response *Minimum Pole Height is 18'. Includes a special hand hole with 1/2" coupling placed in the cover plate, 180° to the hand hole, 15' above the pole base.* **Refer to Steel Pole Accessories sheet 79415-26 for additional accessories.**

Enter the order code into the appropriate box above. Note: Gardco reserves the right to refuse a configuration. Not all combinations and configurations are valid.
Refer to notes below for exclusions and limitations. For questions or concerns, please consult the factory.

1. Refers to relative strength based on wind load factors.
H = Heavy.

10-SRS_Spec_Sheet   12/18   page 1 of 4
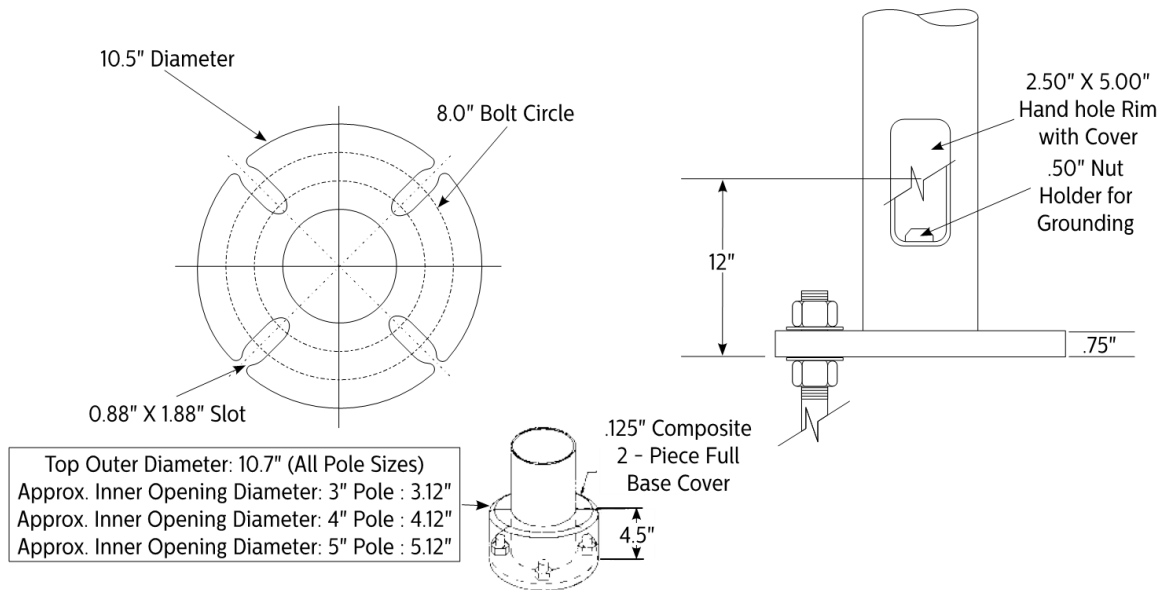
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TYPE
P1-P3

Release: 02.JUN.2020
Revision:

Poles   Straight Round Steel

Pole Data

Catalog Number	Pole Size		Maximum Luminaire Loading[3]			Anchor Bolt Data[4]	
Prefix – Height – Gauge	Actual Height	Pole Shaft Size (inches)	100 MPH EPA ft²	90 MPH EPA ft²	80 MPH EPA ft²	Bolt Size (inches)	Bolt Circle (inches)
SRS-10-3.0	10'	3" x 10'	6	7.7	10	3/4 x 17 x 3	8
SRS-14-3.0	14'	3" x 14'	3.3	4.4	6	3/4 x 17 x 3	8
SRS-10-4.0	10'	4" x 10'	12.2	15	19.1	3/4 x 17 x 3	8
SRS-14-4.0	14'	4" x 14"	7.6	9.4	12.2	3/4 x 17 x 3	8
SRS-16-3.0	16'	3" x 16'	2.3	3.2	4.6	3/4 x 17 x 3	8
SRS-16-4.0	16'	4" x 16'	5.9	7.4	9.6	3/4 x 17 x 3	8
SRS-20-4.0	20'	4" x 20'	3.5	4.4	6	3/4 x 17 x 3	8
SRS-25-4.0	25'	4" x 25'	1.3	1.9	2.8	3/4 x 17 x 3	8
SRS-20-5.0	20'	5" x 20'	7.2	9.1	11.7	3/4 x 17 x 3	8
SRS-25-5.0	25'	5" x 25'	4.2	5.5	7.2	3/4 x 17 x 3	8
SRS-25H-5.0²	25'	5" x 25'	7.4	9.4	12.1	3/4 x 17 x 3	8
SRS-30-5.0	30'	5" x 30'	2.2	3	4.2	3/4 x 17 x 3	8
SRS-30H-5.0²	30'	5" x 30'	4.7	6.5	8	3/4 x 17 x 3	8

2. SRS-25H-5.0 and SRS-30H-5.0 poles feature a wall thickness of .180" for increased wind loading. All other SRS poles have a wall thickness of .120".

3. **Warning:** Additional wind loading, in terms of EPA, from banners, cameras, floodlights and other accessories attached to the pole, must be added to the luminaire(s) EPA before selecting the pole with the appropriate wind load capability.

4. Factory supplied template must be used when setting anchor bolts. Gardco will not honor any claim for incorrect anchorage placement resulting from failure to use factory supplied templates.

Dimensions

10.5" Diameter

8.0" Bolt Circle

0.88" X 1.88" Slot

Top Outer Diameter: 10.7" (All Pole Sizes)
Approx. Inner Opening Diameter: 3" Pole : 3.12"
Approx. Inner Opening Diameter: 4" Pole : 4.12"
Approx. Inner Opening Diameter: 5" Pole : 5.12"

2.50" X 5.00" Hand hole Rim with Cover

.50" Nut Holder for Grounding

12"

.75"

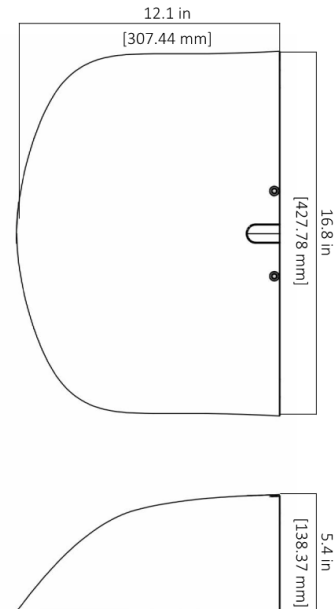.125" Composite 2 – Piece Full Base Cover

4.5"

NOTE: Factory supplied template must be used when setting anchor bolts.
Gardco will not honor any claim for incorrect anchorage placement from failure to use factory supplied templates.

TYPE

P1-P3

Release: 02.JUN.2020
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Eseta™ LED Wall Sconce
ES1

Luminaire Data

Weight 9.9 lbs [4.5 kg]
14.6 lbs [6.5kg] with EM, MS options

12.1 in
[307.44 mm]

16.8 in
[427.78 mm]

5.4 in
[138.37 mm]

Ordering Information

Sample Catalog No. ES1 24H MV NW W BK 700 EM

Product	No. & Type of LEDs	Voltage		Color Temperature[1]		Distribution		Finish[2]		Drive Current[3]		Options	
ES1	24H 48H	MV HV	120-277V 347-480V	WW NW CW	3000K 4000K 5000K	W FT	Wide Forward Throw	BK DB GY WH	Black Dark Bronze Gray White	350 530 700	350mA 530mA 700mA	PC[6] MSL2[4] MSL3[4] EM[5] FSIR100	Photo Control Motion Sensor, L2 Lens Motion Sensor, L3 Lens Emergency Battery System Motion Sensor Configuration Tool

Notes:

1 Consult factory for other color temperatures.

2 Consult factory for non-standard finish options. See page 2 for specifications.

3 Factory set drive current, non-field adjustable. 700mA is not available for 48H version. Refer to performance data on page 2. Consult factory for other drive current options.

4 Motion Sensor available with MV only. Motion Sensor default setting dims luminaire to 50% when no motion is detected for 5 minutes. Field adjustable settings available using FSIR100 option.

5 Emergency Battery System available with MV only. 3-year limited warranty on Emergency Battery System.

6 Available with MV. Consult factory for HV option, single voltage only, either 347V or 480V.

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ES-1 Spec Sheet_06-28-19. Specifications subject to change without notice.

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TYPE
W1

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Revision:

Eseta™ LED Wall Sconce
ES1

Luminaire Specifications

Housing
Die cast aluminum housing with back mounting plate and outdoor rated cable. Back mounting plate includes novel hanging features to allow one-person installation. Knockouts on the top and bottom of the housing allow conduit entry. Electrical components are accessed behind gasketed optical cover.

Light Emitting Diodes
Hi--flux/Hi-power white LEDs are tested in accordance with IES LM--80 testing procedures. Warm White (3000K), Neutral White (4000K) and Cool White (5000K) with minimum 70 CRI are standard. LEDs are 100% mercury and lead free.

Optical Systems
The OMNILens™ system creates a low brightness source to reduce glare with precise Wide or Forward Throw distributions. Lens cover is UV stabilized, vandal-resistant polycarbonate. Luminaire produces 0% total lumens above 90⁰ (BUG Rating, U=0).

Electrical
Power supply features a minimum power factor of .90 and <20% Total Harmonic Distortion (THD). EMC meets or exceeds FCC CFR Part 15. Transient voltage complies with ANSI C62.41 Cat. A. Integral surge protector is tested per ANSI/IEEE C62.45 procedures based on ANSI/IEEE C62.41.2 definitions for standard and optional waveforms for Location Category C High.

Finish
Housing receives a fade and abrasion resistant epoxy polyester powder coat. Finish tested to withstand 5000 hours in salt spray exposure per ASTM B117. Finish tested 5000 hours in UV exposure per ASTM G154 and meets ASTM D523 gloss retention.

Listings/Ratings/Labels
Luminaires are UL listed for use in wet locations and emergency lighting in the United States and Canada. Ambient operating temperature is -40°C to 40°C with no accessories installed. Entire fixture maintains an IP66 and IK10 rating. DesignLights Consortium™ 3000K, 4000K and 5000K qualified product. Assembled in the United States. International Dark Sky Association listed.

Photometry
Luminaires are photometrically tested by certified independent testing laboratories in accordance with IES LM-79 testing procedures.

Lumen Maintenance

Models	TM-21 Lumen Maintenance (hours) at 25°C	
	At 50,000	At 100,000
ES1-24H	99%	97%
ES1-48H	97%	93%

Warranty
10-year limited warranty is standard on luminaire and components. 5-year limited warranty on motion sensor and photo control. 3-year limited warranty on Emergency Battery System.

Color Specifications

Order Code	Color	RAL #	Pantone Equivalent
GY	Gray	7040	429C
BK	Black	9004	426C
DB	Dark Bronze	6022	BLACK 2C
WH	White	9003	11-0601
NA	Natural Aluminum	9006	N/A

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