
Section 24. Lighting Cut Sheets/Lighting Plan

Portland Retirement Residence

Portland, ME

Exterior Lighting

Cut Sheets

9/11/2015



Catalog Number	
Notes	Type

FEATURES & SPECIFICATIONS

Intended Use

For use in indoor or outdoor wet locations, such as patios and pathways.

Construction

Aluminum, white die-cast frame-in.

Louvered, slotted, and opal faceplates available.

Die-cast powder coat painted faceplates are available in white or black.

Faceplates are shipped separately.

Electrical system

9DTT – encased-and-potted, high power factor (HPF) electromagnetic ballast standard (120V only).

13DTTE – high power factor (HPF), -20°F to 158°F, instant start electronic ballast standard (120V or 277V).

Maximum of 4 No. 12 AWG through branch circuit connectors suitable for 75°C or higher permitted in box.

One electrical conduit fitting and one plug provided.

Electrical fittings are suitable for wet locations in wood construction, masonry and poured concrete applications.

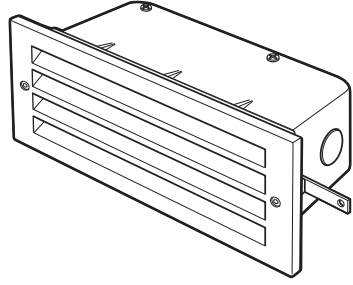
Listing

Wet location listed.

UL listed to U.S. and Canadian safety standards.

**INSTALLED AT PATIO
IN SEAT WALL.**

TYPE D



Compact Fluorescent Lighting

WSL1F

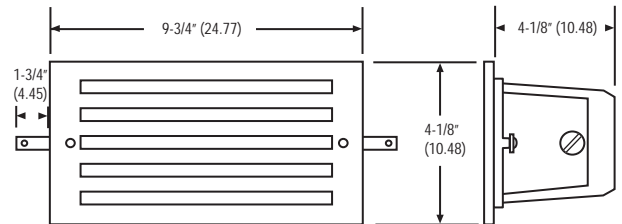
WET LOCATION STEPLIGHT
Non-IC

Specifications

Cutout: 9-1/4" x 3-5/8"

Suitable depth for concrete 4.25"

Mounting nipples make cutout 10.25" clearance.



All dimensions are inches (centimeters).

ORDERING INFORMATION

Choose the boldface catalog nomenclature that best suits your needs and write it on the appropriate line.

Example: **WSL1F 9DTT FPLBL 120 FPLBL**

WSL1F			
Series	Wattage/Lamp	Faceplate	Voltage
WSL1F	9DTT ¹ 13DTTE²	FPL White Louvered FPLBL Black Louvered FPS White Slotted FPSBL Black Slotted FPO White Opal FPOBL Black Opal	120 277

NOTES:

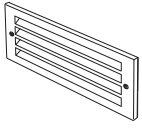
1 120V only.

2 Electronic ballast standard.

Faceplates

Louvered Faceplate

FPL White
FPLBL Black

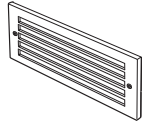


9DTT
13DTT 4-PIN

Non-IC

Slotted

FPS White
FPSBL Black

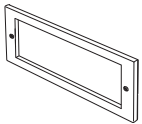


9DTT
13DTT 4-PIN

Non-IC

Opal

FPO White
FPOBL Black



9DTT
13DTT 4-PIN

Non-IC



TYPE F1

SMALL LED FLOODLIGHT 7 WATT LED (E-GL3L SERIES)

Applications – Security, building facades, displays, signs, and other residential uses.
Typical Mounting Height: 8 to 15 feet



ARCHITECTURAL
FEATURES AND
LANDSCAPE
ELEMENTS.

4"H x 4"W x 4-5/8"D

Catalog #	Description	Input Voltage	Delivered Lumen Output	CCT	CRI	Lifetime	Weight	Comparable To:
→ E-GL3L01N2K (black) E-GL3L01N2W (white)	7W LED, Neutral white	120V-277V	600 Lumens	4100K	80	50,000 Hours	0.8 lbs	50W Halogen

Features

- 50,000 hours of maintenance-free operation
- Non-dimmable
- 7W LED
- 600 lumens, comparable to 50W halogen
- Neutral white (4100K) color temperature at 80 CRI
- Low-copper, die-cast aluminum housing and lens frame
- Polyester powder-coat finish (textured black or smooth white)
- Tempered glass lens, thermal shock and impact resistant
- 1/2-inch NPS aluminum die-cast swivel fitter attaches to standard J-box
- Universal voltage (120V through 277V)
- Minimum starting temperature: -22° F
- UL Listed for wet locations
- 1-year warranty

Accessories

None Available



PREMIUM LED DIRECTIONAL SPOT LIGHT
38-WATT LED
(E-GL1S SERIES)

Applications – For accenting architecture or lighting landscape areas
Typical Mounting Height: 8 to 15 feet

TYPE F2

**ARCHITECTURAL
 FEATURES AND
 LANDSCAPE
 ELEMENTS.**



8-1/2"H x 6-1/4"W x 7-3/4"D (Height dimension includes fitter)

Catalog #	Description	Input Voltage	Delivered Lumen Output	Beam Angle/ Photometric Distribution	CCT	CRI	Lifetime (L ₇₀ at 15°C)	Weight	Comparable To:
E-GL1S03C2W (white) E-GL1S03C2K (black)	38W LED Cool white	120V-277V	2000 Lumens	20° Spot	5700K	73	50,000 Hours	5 lbs	70W PSMH
E-GL1S03N2W (white) E-GL1S03N2K (black)	38W LED Neutral white	120V-277V	2000 Lumens	20° Spot	4100K	74	50,000 Hours	5 lbs	70W PSMH

Features

- 50,000 hours of maintenance-free operation to L₇₀ at 15°C
- Non-dimmable
- Low copper, die-cast aluminum housing and lens frame
- Textured black or smooth white polyester powder-coat finish
- Tempered glass lens, thermal shock and impact resistant
- 1/2" NPS adjustable fitter included
- Universal voltage (120V through 277V)
- RoHS compliant
- Suitable for ground mounting, uplighting & downlighting
- Precise optical reflector
- Heat dissipating fins
- Minimum starting temperature: -40° F
- UL Listed for wet locations
- Cree® LEDs inside
- 3-year warranty

Accessories

None Available



PREMIUM LED DIRECTIONAL FLOODLIGHT 38-WATT LED (E-GL1F SERIES)

Applications – For accenting architecture or lighting landscape areas
Typical Mounting Height: 8 to 15 feet

TYPE F3



ARCHITECTURAL
FEATURES AND
LANDSCAPE
ELEMENTS.



8-1/2"H x 6-1/4"W x 7-3/4"D (Height dimension includes fitter)

Catalog #	Description	Input Voltage	Delivered Lumen Output	Beam Angle/ Photometric Distribution	CCT	CRI	Lifetime (L70 at 15°C)	Weight	Comparable To:
E-GL1F03C2W (white) E-GL1F03C2K (black)	38W LED Cool white	120V-277V	2000 Lumens	40° Flood	5700K	73	50,000 Hours	5 lbs	70W PSMH
E-GL1F03N2W (white) E-GL1F03N2K (black)	38W LED Neutral white	120V-277V	2000 Lumens	40° Flood	4100K	74	50,000 Hours	5 lbs	70W PSMH

Features

- 50,000 hours of maintenance-free operation to L₇₀ at 15°C
- Non-dimmable
- Low copper, die-cast aluminum housing and lens frame
- Textured black or smooth white polyester powder-coat finish
- Tempered glass lens, thermal shock and impact resistant
- 1/2" NPS adjustable fitter included
- Universal voltage (120V through 277V)
- RoHS compliant
- Suitable for ground mounting, uplighting & downlighting
- Precise optical reflector
- Heat dissipating fins
- Minimum starting temperature: -40° F
- UL Listed for wet locations
- Cree® LEDs inside
- 3-year warranty

Accessories

None Available

TYPE G

**PREMIUM LED WALL PACK - SMALL
36-WATT LED
(E-WP6L SERIES)**

Applications: Security, pathway and perimeter lighting; ideal for entryways and other applications where control of spill light is important.
Typical Mounting Height: 8 to 15 feet **Typical Spacing:** 1 to 2 times the mounting height

**INSTALLED ON AT
BUILDING AT EXITS
AND GARAGES.**



9.5"D x 8.75"W x 4.5"H
Weight: 7.0 lbs.



Catalog #	Description	Input Voltage	Initial Delivered Lumens	CCT	CRI	50K Hours Projected Lumen Maintenance Factor at 25°C ¹	Comparable To:
E-WP6L03CZ	36W LED Cool white	120V-277V	3350	5000K	70	50,000 Hours	100W PSMH
E-WP6L03NZ	36W LED Neutral white	120V-277V	3350	4000K	70	50,000 Hours	100W PSMH

¹ Calculated L₇₀ based on 6,048 hours of LM-80 testing: >36,000 hours

Performance

- Estimated 50,000 hours of maintenance-free operation to L₇₀
- Minimum starting temperature: -40°F
- 5-year limited warranty

Construction & Materials

- Low copper, die-cast aluminum housing and lens frame
- Dark bronze polyester powder-coat finish
- Fixed cutoff glare shield to reduce light pollution
- Tempered glass lens, thermal shock and impact resistant
- Patented lens design delivers true IES Type III distribution
- Mounts over recessed junction box or with conduit
- Die-cast detachable back box for easy mounting
- Heat dissipating fins
- Conduit entries on all sides of the fixture
- Two knockouts provided on back for conduit or J-box mounting
- Cree® LEDs inside

Electrical

- Non-dimmable
- 75°C minimum supply wire required
- Universal voltage (120V through 277V)

Regulatory

- UL Listed for wet locations
- RoHS compliant

Accessories



CAT.# E-ACP1 (120 volts)

CAT.# E-ACP2 (208/240/277 volts)

Photocell is field installed.
For use with adjustable slip fitter only.



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1501 96th Street, Sturtevant, WI 53177 | Phone (888)243-9445 | Fax (262)504-5409 | www.e-conolight.com

TYPE G1

LED DECORATIVE WALL SCONE - UP OR DOWN
16-WATT LED
(E-S12 SERIES)

Applications: Ideal for illumination along steps, walkways and entry ways
Typical Mounting Height: 8 to 15 feet **Typical Spacing:** 1 to 2 times the mounting height



CREE LEDs

6.1875" L x 4.875" W x 5.1875" H
Weight: 3.2 lbs.

INSTALLED ON
BUILDING

Catalog #	Description	Input Voltage	Initial Delivered Lumens	CCT	CRI	50K Hours Projected Lumen Maintenance Factor at 25°C ¹
E-S12L013U(*)	16W LED Warm White	120-277V	950	3000K	80	100,000+ Hours
E-S12L014U(*)	16W LED Neutral White	120-277V	95	4000K	80	100,000+ Hours

(*) Specify finish color. K-Black, W-White

¹ Calculated L₇₀ based on 6,048 hours of LM-80 testing: >36,000 hours

Performance

- Estimated 100,000+ hours of maintenance-free operation to L₇₀
- 3-year limited warranty

Construction & Materials

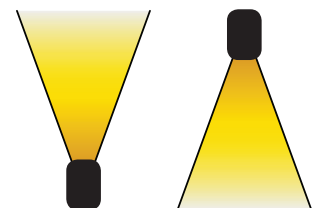
- Use as an uplight or downlight
- Die-cast aluminum mounting box with extruded aluminum housing; mounting box measures 5" square (5-3/8" square with gasket)
- Supplied with back mounting plate to mount over a 4" square or 4" octagonal junction box
- 25-degree beam spread
- Silicon gasket provides a water tight seal
- Polyester powder-coat black or white finish
- Tempered glass lens, thermal shock and impact resistant
- Cree® LEDs inside

Electrical

- Dimmable with most 0-10V dimmers
- Universal voltage (120V through 277V)

Regulatory

- ETL Listed for wet locations



E-S12 Series fixture mounted at 12 feet with 0° tilt.



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TYPE G2

**LED WALL MOUNT
14- & 22-WATT LED
(E-WW1L SERIES)**

Applications: Security, entryways, stairways, storage and perimeter areas, as well as residential exteriors.

Typical Mounting Height: 8 to 12 feet **Typical Spacing:** 12 feet

INSTALLED AT TRASH
ENCLOSURE



CREE LEDs

9"D x 5.75"W x 4"H
Weight: 2.0 lbs.

Catalog #	Description	Input Voltage	Initial Delivered Lumens	CCT	CRI	50K Hours Projected Lumen Maintenance Factor at 25°C ¹	Comparable To
E-WW1L11N(*)P	14W Neutral White	120V	1017	4000K	70+	91%	100W Incandescent
E-WW1L21N(*)P	22W Neutral White	120V	1228	4000K	70+	86%	120W Incandescent

(*) Specify finish color. M-Medium Bronze, W-White

¹ Calculated L₇₀ based on 6,048 hours of LM-80 testing: >36,000 hours

Performance

- Estimated 172,000 (22W) 118,000 (14W) hours of maintenance-free operation to L₇₀ at 25°C
- Minimum starting temperature: -40°C (-40°F)
- 5-year limited warranty

Construction & Materials

- Polycarbonate housing in bronze or white with heavy-duty aluminum mounting plate
- 1/2" NPT tapped back and bottom for conduit entrances
- UV-stabilized polycarbonate prismatic refractor
- Cree® LEDs inside

Electrical

- Non-dimmable
- 120V operation with built-in photocell

Regulatory

- UL Listed for wet locations



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TYPE G3

LED DECORATIVE WALL SCONE - UP AND DOWN
30-WATT LED
(E-S22 SERIES)

Applications: Ideal for illumination along steps, walkways and entry ways
Typical Mounting Height: 8 to 15 feet **Typical Spacing:** 1 to 2 times the mounting height

INSTALLED ON BUILDING



6.1875" L x 4.875" W x 7.1875" H
Weight: 4.2 lbs.

Catalog #	Description	Input Voltage	Initial Delivered Lumens	CCT	CRI	50K Hours Projected Lumen Maintenance Factor at 25°C ¹
E-S22L033U(*)	30W (total) LED Warm White	120-277V	1850 (total)	3000K	80	100,000+ Hours
E-S22L034U(*)	30W (total) LED Neutral White	120-277V	1850 (total)	4000K	80	100,000+ Hours

(*) Specify finish color. K-Black, W-White

¹ Calculated L₇₀ based on 6,048 hours of LM-80 testing: >36,000 hours

Performance

- Estimated 100,000+ hours of maintenance-free operation to L₇₀
- 3-year limited warranty

Construction & Materials

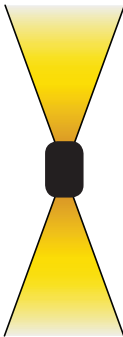
- Up and down fixture creates gorgeous hourglass lighting effect
- Die-cast aluminum mounting box with extruded aluminum housing- mounting box measures 5" square (5-3/8" square with gasket)
- Supplied with back mounting plate to mount over a 4" square or 4" octagonal junction box
- 25-degree beam spread
- Silicon gasket provides a water tight seal
- Polyester powder-coat black or white finish
- Tempered glass lens, thermal shock and impact resistant
- Cree® LEDs inside

Electrical

- Dimmable with most 0-10V dimmers
- Universal voltage (120V through 277V)

Regulatory

- ETL Listed for wet locations



E-S22 Series fixture mounted at 12 feet with 0° tilt.



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TYPE G4

**LED GOOSENECK
15-WATT LED
(E-DG1L SERIES)**

Applications: Business storefronts, restaurants, and building perimeters that need an architectural touch of style
Typical Mounting Height: 8 to 15 feet

Straight Shroud



31.5"L x 15.3"W x 18.8"H
Weight: 5.0 lbs.



Angled Shroud



35"L x 15.3"W x 25.8"H
Weight: 5.0 lbs.

**INSTALLED ON
BUILDING AT ENTRY
CANOPY.**

Catalog #	Description	Input Voltage	Initial Delivered Lumens	CCT	CRI	50K Hours Projected Lumen Maintenance Factor at 25°C ¹	Comparable To:
E-DG1L13UAK	15W LED Warm White Angled Shroud	120V-277V	1100	3000K	≥70	88%	90W Incandescent
E-DG1L13USK	15W LED Warm White Straight Shroud	120V-277V	1260	3000K	≥70	88%	90W Incandescent

¹ Calculated L₇₀ based on 6,048 hours of LM-80 testing: >36,000 hours

Performance

- Estimated 150,000+ hours of maintenance-free operation to L₇₀
- -30°C (-22°F) minimum starting temp
- 5-year limited warranty

Construction & Materials

- Die-cast aluminum mounting box and housing
- Supplied with back mounting plate to mount over a 4" square or octagonal j-box
- Black polyester powder-coat finish for extra corrosion protection and long-lasting color
- Tempered glass lens, thermal, shock and impact resistant
- Cree® LEDs inside

Electrical

- Non-dimmable
- Universal voltage (120V through 277V)

Regulatory

- ETL Listed for wet locations



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TYPE M

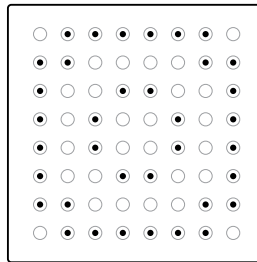
**RECESSED LED CANOPY LIGHT - WIDE DISTRIBUTION
42-WATT LED
(E-RC2L04CW)**

Applications: Security, entryway and perimeter lighting. Also recommended for walkways and exterior canopies
Typical Mounting Height: 8 to 15 feet **Typical Spacing:** 1 to 2 times the mounting height

**INSTALLED ON
UNDERSIDE OF
ENTRY CANOPY**



16" D x 16" W x 3.75" H
Weight: 6.2 lbs.



LED PATTERN



This fixture is listed on the DesignLights Consortium® Qualified Products List.

Catalog #	Description	Input Voltage	Initial Delivered Lumens	CCT	CRI	50K Hours Projected Lumen Maintenance Factor at 25°C ¹	Comparable To:
E-RC2L04CW	42W LED Cool White	120V-277V	4100	5000K	75	50,000 Hours	100W PSMH

¹ Calculated L₇₀ based on 6,048 hours of LM-80 testing: >36,000 hours

Performance

- 50,000 hours of maintenance-free operation to L₇₀
- Minimum starting temperature: -22° F
- 5-year limited warranty

Construction & Materials

- Rugged and durable aluminum housing
- UV-stabilized acrylic lens with molded precision optics
- Two 1/2" conduit entries on top for through wiring
- Hanging cable supports fixture while wiring connections are made
- Secures to mounting surface with four screws (provided by others)
- Cree® LEDs inside

Electrical

- 0-10 Dimmer (See below for recommended dimmers)
- Universal voltage (120V through 277V)

Regulatory

- ETL Listed for wet locations
- Non-IC rated
- RoHS compliant

Recommended Dimmers

- Lutron CTCL-153PDH-WH
- Lutron TGCL-153PH-WH
- Lutron MA-600MR-WH
- Leviton R50-IPL06-10M

NOTE: The presence of a dimmer on this chart is not a guarantee or warranty of the compatibility of the fixture in any particular installation. The absence of a dimmer from this chart does not necessarily imply incompatibility.



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TYPE N

INSTALLED ON
UNDERSIDE OF
BUILDING AT EXITS

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. SLD6 is designed for installation in many 3-1/2" and 4" square, octagon or round junction boxes. And may also retrofit in 5" and 6" IC and Non-IC recessed housings.* 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).

Catalog #		Type
Project		
Comments		Date
Prepared by		

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

*SLD accessory trims attach with permanent adhesion and are not interchangeable after installation.

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" square, octagon, and round electrical junction boxes
- Note: Driver consumes 3 cubic inches of junction box
- Surface mounting in a fire-rated ceiling using an appropriate electrical box offers a cost-effective alternative to fire-rated recessed housings
- Note: Fire-rating is per the rating of the ceiling and applicable junction box, not the SLD.
- 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

- May be installed in IC recessed housings in direct contact with insulation

* Note: Not for use in recessed housings in direct contact with spray foam insulation. Refer to NEMA LSD 57-2013

Torsion Spring 5" & 6"

- Optional precision formed torsion spring bracket kit is included
- The torsion springs adjust on the frame to fit 5" or 6" compatible housings

Friction Blade 5" & 6"

- Optional precision formed friction blades included
- For retrofit in 5" and 6" housings without torsion spring mounting tabs
- Friction blade design allows the SLD to be installed in any position within the housing aperture (360 degrees)

LED

- Linear LED arrays are integrated in trim perimeter
- Color Temperature: 2700K, 3000K, 3500K, 4000K
- CRI options: 80 and 90
 - 90 CRI can be used for California Title 24 compliance/certified to Title 20
 - 80 CRI can be used to comply with California Title 24 Non-Residential Lighting Controls as a LED luminaire.

WARRANTY

Cooper Lighting 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.
- 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 3-1/2" x 2" and 4" x 1-1/2" deep round, square 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 5" H550 Series and 6" H750 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



SLD 1200 Series

SLD6128xxWH

80CRI
2700K, 3000K, 3500K,
and 4000K

SLD6129xxWH

90CRI
2700K, 3000K, 3500K,
and 4000K

6" Surface LED Downlight

High Lumen 1200 Series

Suitable for ceiling or wall electrical junction boxes

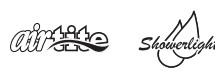
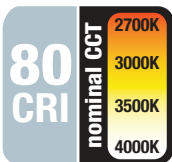
Suitable for 5" & 6" recessed housing retrofit (IC, Non-IC & AIR-TITE™)

ENERGY DATA

	80 CRI	90 CRI
Lumens (4000K models)	1215	1000
Input Voltage	120V	120V
Frequency	50/60 Hz	50/60 Hz
Input Current	0.12 A	0.12 A
Input Power	14.8 W	14.8 W
Efficiency (4000K models)	82 lm/W	68 lm/W
THD	≤ 20%	
Power Factor	≥ 0.90	
T Ambient	-30 - +40°C	
Sound Rating	Class A	

NOMENCLATURE

SLD 612 8 30 WH
612 = 6" SLD 1200 Series
8 = >80 CRI
30 = 3000K
WH = Matte White



Refer to ENERGY STAR® Certified Products List. Can be used to comply with California Title 24 Non-Residential Lighting Controls requirements as a LED Luminaire.



Refer to ENERGY STAR® Certified Products List. Can be used to comply with California Title 24 High Efficacy requirements. Certified to California Title 20 Appliance Efficiency Database.

LED DRIVER

- Driver is a 120V input, high efficiency, dimmable electronic power supply providing DC power to the LED arrays
- 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

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. Certified to California Title 20 Appliance Efficiency Database.
- 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) and Washington State Energy Code high efficiency luminaire compliance
- 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



SLD 1200 Series

SLD6128xxWH

80CRI

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

SLD6129xxWH

90CRI

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

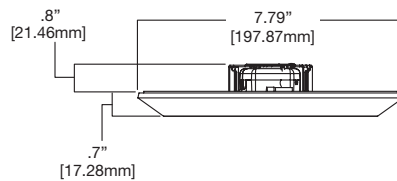
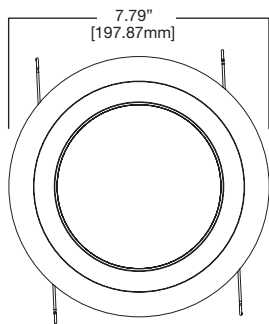
6" Surface LED
Downlight

High Lumen 1200 Series

Suitable for
ceiling or wall
electrical junction boxes

Suitable for
5" & 6" recessed
housing retrofit
(IC, Non-IC & AIR-TITE™)

DIMENSIONS



ORDERING INFORMATION

SAMPLE NUMBER: SLD612927WH SLD6TRMSN

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
SLD612= 6" Surface LED Downlight, 120V 1200 Series	8=80 CRI 9=90 CRI	27=2700K 30=3000K 35=3500K 40=4000K	WH=White	<p>Designer Trims Fit over the SLD for a designer finish SLD6TRMSN=6" SLD Satin Nickel SLD6TRMTBZ=6" SLD Tuscan Bronze SLD6TRMWH=6" SLD White (paintable) *SLD accessory trims attach with permanent adhesion and are not interchangeable after installation</p> <p>J-Box Spacer Extension Ring Add 15/16" depth when SLD driver cannot fit into installed junction box SLD6EXT=6" Surface LED J-Box Extender, 9.5" O.D.</p> <p>RAD Adapters When junction box is mounted flat on a ceiling or beam surface (not recessed in ceiling) SLD6RAD=6" SLD Round Surface J-Box Adapter, 7.92" O.D. (for 4-inch round or octagon junction boxes.) SLD6SADPLT=6" SLD Square Surface J-Box Adapter Plate (For 4-inch square junction boxes, use with SLD6RAD.)</p> <p>Spare Parts SLD6ACCKIT=6" Accessory Parts Replacement Kit (Screwbase adapter, torsion springs, friction blades) SLD6BRKT=6" Junction Box Bracket & Screws</p> <p>Refer to SLD Accessories specification sheet for further information.</p>

HOUSING COMPATIBILITY

The SLD6 is UL Listed in Halo and All-Pro recessed housings, and is UL Classified for use with **any** 5 or 6 inch diameter recessed housing constructed of steel or aluminum with an internal volume that exceeds 107.9 in³ in addition to those noted below.

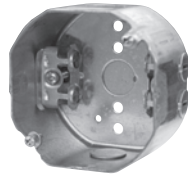
Note: Some other's housings require installation with included friction clips.

Compatible Halo LED Housings with LED luminaire connector (high-efficacy compliant)		
HALO LED	Recessed Can Size	Catalog Number
	5"	H550ICAT, H550RICAT
	6"	H750ICAT, H750RICAT, H750T, H750TCP, H2750ICAT
Halo LED Retrofit Enclosures		
HALO	6"	ML7BXRFK, ML7E26RFK
Compatible Halo Incandescent E26 Screwbase Housings		
HALO	5"	H5ICAT, H5RICAT, H5T, H5RT, H5TM, H25ICAT
	6"	H7ICAT, H7RICAT, H7ICT, H7RICT, H7ICATNB, H7ICTNB, H7T, H7RT, H7TNB, H7TCP, H7UICAT, H7UICAT, H27ICAT, H27RICAT, H27ICT, H27RICT, H27T, H27RT
Compatible All-Pro Incandescent E26 Screwbase Housings		
ALL-PRO	5"	EI500AT, EI500RAT, ET500, ET500R
	6"	EI700AT, EI700RAT, EI700, EI700R, EI700ATNB, EI700NB, EI700U, EI700UAT, ET700, ET700R, EI2700AT, EI2700, EI2700R, ET2700, ET2700R

COMPATIBLE WITH EATON'S CROUSE-HINDS JUNCTION BOXES



TP316
for non-metallic cable
4" x 4" x 2-1/8"
(102mm x 102mm x 54mm)



TP317
for metal clad cable
4" x 4" x 2-1/8"
(102mm x 102mm x 54mm)

- **TP316** - for non-metallic cable
- **TP317** - for metal clad cable
- UL Listed
- Suitable for two-hour fire-rated ANSI/UL 263 when properly installed in a fire-rated ceiling or wall
- Refer to www.crouse-hinds.com

COMPATIBLE WITH MANY OTHER JUNCTION BOXES*



4" octagon light fixture/fan steel box
4" x 4" x 2-1/8"
(102mm x 102mm x 54mm)



4" octagon steel box
4" x 4" x 1-1/2"
(102mm x 102mm x 38mm)



4" square deep steel box
4" x 4" x 2-1/8"
(102mm x 102mm x 54mm)



4" square standard steel box
4" x 4" x 1-1/2"
(102mm x 102mm x 38mm)



4" round new work non-metallic light fixture/fan box
4" diameter x 2-3/16"
(102mm x 56mm)



3-1/2" round new work non-metallic ceiling box
3-1/2" diameter x 2-3/4"
(89mm x 70mm)



3-1/2" round old work non-metallic box
4-1/4" O.D. flange, 3-1/2" I.D. x 2-5/8"
(108mm O.D., 89mm I.D. x 67mm)



4" round surface mount box
4" diameter x 1-1/2"
(102mm x 38mm)
Requires SLD6RAD adapter



4" round new work non-metallic box with hanger bar assembly
4" diameter x 2-3/16" (102mm x 56mm)

Surface mounting in a fire-rated ceiling using an appropriate electrical box offers a cost-effective alternative to fire-rated recessed housings.
Note: Fire-rating is per the rating of the ceiling and applicable junction box, not the SLD.

*This is a representative list of compatible junction boxes only. Information contained in this literature about other manufacturers' products is from published information made available by the manufacturer and is deemed to be reliable, but has not been verified. Eaton makes no specific recommendation on product selection and there are no warranties of performance or compatibility implied. Installer must determine that site conditions are suitable to allow proper installation of the SLD mounting bracket in the box.

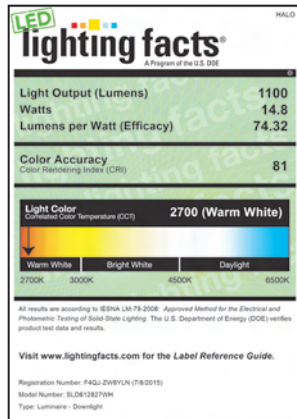
PRODUCT DATA

Cat No.	CRI	CCT	Lumens	Power (W)	LPW
SLD612827WH	80	2700	1100	14.8	74
SLD612830WH	80	3000	1150	14.8	78
SLD612835WH	80	3500	1200	14.8	81
SLD612840WH	80	4000	1215	14.8	82
SLD612927WH	92	2700	880	14.8	59
SLD612930WH	92	3000	925	14.8	63
SLD612935WH	92	3500	965	14.8	65
SLD612940WH	92	4000	1000	14.8	68

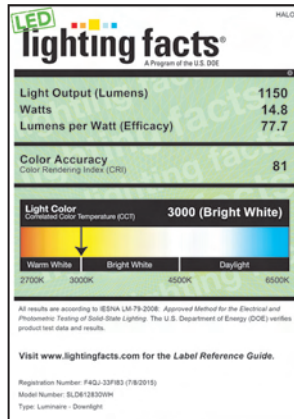
Performance values are presented as typical for the model(s) indicated. Field results may vary.

LIGHTING FACTS®

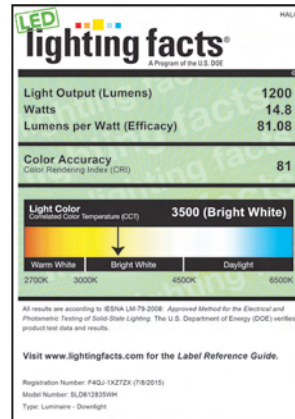
SLD612827WH - 80 CRI



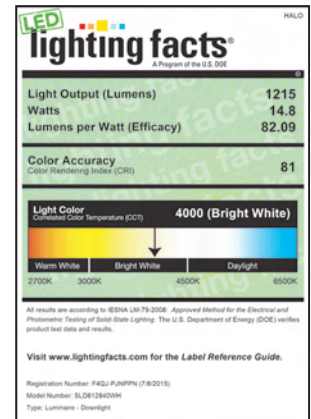
SLD612830WH - 80 CRI



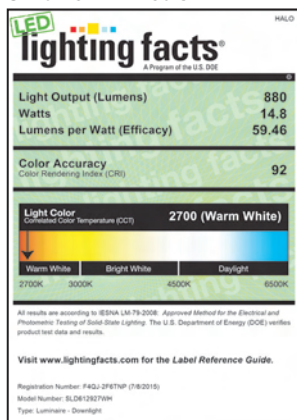
SLD612835WH - 80 CRI



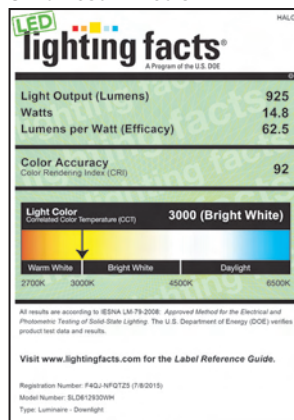
SLD612840WH - 80 CRI



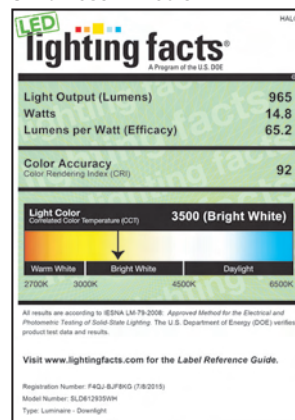
SLD612927WH - 90 CRI



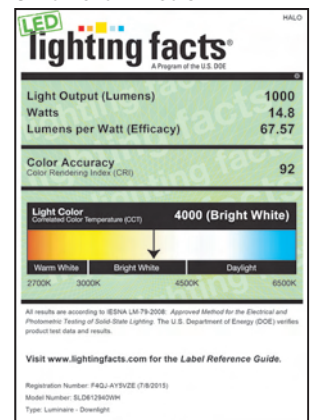
SLD612930WH - 90 CRI



SLD612935WH - 90 CRI



SLD612940WH - 90 CRI



TYPE Q1

INSTALLED AT SUITE
DECKS. NOT SHOWN
ON PLANS.



V8870-5

V8870-5 Black

V8870-6 White

Frosted Ribbed Glass

10" W x 10" H x 5 1/2" E

1(M) 100w max.



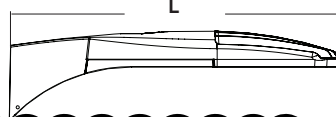
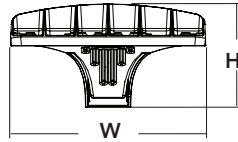
D-Series Size 0 LED Area Luminaire



d#series

Specifications

EPA:	0.8 ft ² (.07 m ²)
Length:	26" (66.0 cm)
Width:	13" (33.0 cm)
Height:	7" (17.8 cm)
Weight (max):	16 lbs (7.25 kg)



**MAIN PARKING
LOT LIGHTING**

Catalog Number	
Notes	
Type	TYPE T1/T1H

Introduction

The modern styling of the D-Series is striking yet unobtrusive - making a bold, progressive statement even as it blends seamlessly with its environment.

The D-Series distills the benefits of the latest in LED technology into a high performance, high efficacy, long-life luminaire. The outstanding photometric performance results in sites with excellent uniformity, greater pole spacing and lower power density. It is ideal for replacing up to 400W metal halide with typical energy savings of 65% and expected service life of over 100,000 hours.

Ordering Information

EXAMPLE: DSX0 LED 40C 1000 40K T3M MVOLT SPA DDBXD

Series	LEDs	Drive current	Color temperature	Distribution	Voltage	Mounting	
DSX0 LED	Forward optics 20C 20 LEDs (one engine) 40C 40 LEDs (two engines) Rotated optics¹ 30C 30 LEDs (one engine)	530 530 mA 700 700 mA 1000 1000 mA (1 A) ²	30K 3000 K (80 CRI min.) 40K 4000 K (70 CRI min.) 50K 5000 K (70 CRI) AMBPC Amber phosphor converted	T1S Type I short T2S Type II short T2M Type II medium T3S Type III short T3M Type III medium T4M Type IV medium	TFTM Forward throw medium T5VS Type V very short T5S Type V short T5M Type V medium T5W Type V wide	MVOLT ⁴ 120 ⁴ 208 ⁴ 240 ⁴ 277 ⁴ 347 ⁵ 480 ⁵	Shipped included SPA Square pole mounting RPA Round pole mounting WBA Wall bracket SPUMBA Square pole universal mounting adaptor ⁶ RPUMBA Round pole universal mounting adaptor ⁶ Shipped separately⁷ KMA8 DDBXD U Mast arm mounting bracket adaptor (specify finish)

Control options	Other options	Finish (required)
Shipped installed PER NEMA twist-lock receptacle only (no controls) ⁸ PER5 Five-wire receptacle only (no controls) ^{8,9} PER7 Seven-wire receptacle only (no controls) ^{8,9} DMG 0-10V dimming driver (no controls) ¹⁰ DCR Dimmable and controllable via ROAM [®] (no controls) ¹¹ PIR Motion sensor, 8-15' mounting height ¹² PIRH Motion sensor, 15-30' mounting height ¹²	Shipped installed HS House-side shield ¹⁶ SF Single fuse (120, 277, 347V) ¹⁷ DF Double fuse (208, 240, 480V) ¹⁷ L90 Left rotated optics ¹ R90 Right rotated optics ¹ DDL Diffused drop lens ¹⁶	DDBXD Dark bronze DBLXD Black DNAXD Natural aluminum DWHXD White DDBTXD Textured dark bronze DBL BXD Textured black DNATXD Textured natural aluminum DWHGXD Textured white

Controls & Shields

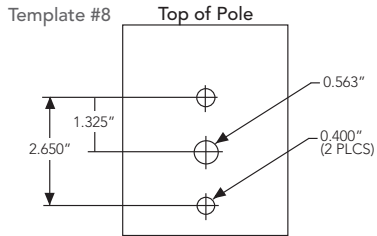
DLL127F 1.5 JU	Photocell - SSL twist-lock (120-277V) ¹⁸
DLL347F 1.5 CUL JU	Photocell - SSL twist-lock (347V) ¹⁸
DLL480F 1.5 CUL JU	Photocell - SSL twist-lock (480V) ¹⁸
SC U	Shorting cap ¹⁸
DSX0HS 20C U	House-side shield for 20 LED unit ¹⁶
DSX0HS 30C U	House-side shield for 30 LED unit ¹⁶
DSX0HS 40C U	House-side shield for 40 LED unit ¹⁶
DSX0DDL U	Diffused drop lens (polycarbonate) ¹⁶
PUMBA DDBXD U*	Square and round pole universal mounting bracket adaptor (specify finish)
KMA8 DDBXD U	Mast arm mounting bracket adaptor (specify finish) ⁷

- ### NOTES
- 30 LEDs (30C option) and rotated options (L90 or R90) only available together.
 - 1000mA not available with AMBPC.
 - AMBPC only available with 530mA or 700mA.
 - MVOLT driver operates on any line voltage from 120-277V (50/60 Hz). Specify 120V, 208V, 240V or 277V options only when ordering with fusing (SF, DF options).
 - Not available with single board, 530mA product (20C 530 or 30C 530). Not available with BL30, BL50 or PNMT options.
 - Available as a separate combination accessory: PUMBA (finish) U; 1.5 G vibration load rating per ANCI C136.31.
 - Must be ordered as a separate accessory; see Accessories information. For use with 2-3/8" mast arm (not included).
 - Photocell ordered and shipped as a separate line item from Acuity Brands Controls. See accessories.
 - If ROAM[®] node required, it must be ordered and shipped as a separate line item from Acuity Brands Controls. Not available with DCR.
 - DMG option for 347V or 480V requires 1000mA.

- Specifies a ROAM[®] enabled luminaire with 0-10V dimming capability; PER option required. Additional hardware and services required for ROAM[®] deployment; must be purchased separately. Call 1-800-442-6745 or email: sales@roamservices.net. N/A with PIR, PIRH, PER5, PER7, BL30, BL50 or PNMT options.
- PIR specifies the SensorSwitch SBGR-6-ODP control; PIRH specifies the SensorSwitch SBGR-10-ODP control; see Motion Sensor Guide for details. Dimming driver standard. Not available with PER5 or PER7.
- Requires an additional switched circuit.
- Dimming driver standard. MVOLT only. Not available with 347V, 480V, DCR, PER5, PER7 or PNMT options.
- Dimming driver standard. MVOLT only. Not available with 347V, 480V, DCR, PER5, PER7, BL30 or BL50.
- Also available as a separate accessory; see Accessories information.
- Single fuse (SF) requires 120V, 277V or 347V. Double fuse (DF) requires 208V, 240V or 480V.
- Requires luminaire to be specified with PER option. Ordered and shipped as a separate line item from Acuity Brands Controls.



Drilling



DSXO shares a unique drilling pattern with the AERIS™ family. Specify this drilling pattern when specifying poles, per the table below.

DM19AS	Single unit	DM29AS	2 at 90° *
DM28AS	2 at 180°	DM39AS	3 at 90° *
DM49AS	4 at 90° *	DM32AS	3 at 120° **

Example: SSA 20 4C DM19AS DDBXD

Visit Lithonia Lighting's **POLES CENTRAL** to see our wide selection of poles, accessories and educational tools.

*Round pole top must be 3.25" O.D. minimum.

**For round pole mounting (RPA) only.

Tenon Mounting Slipfitter**

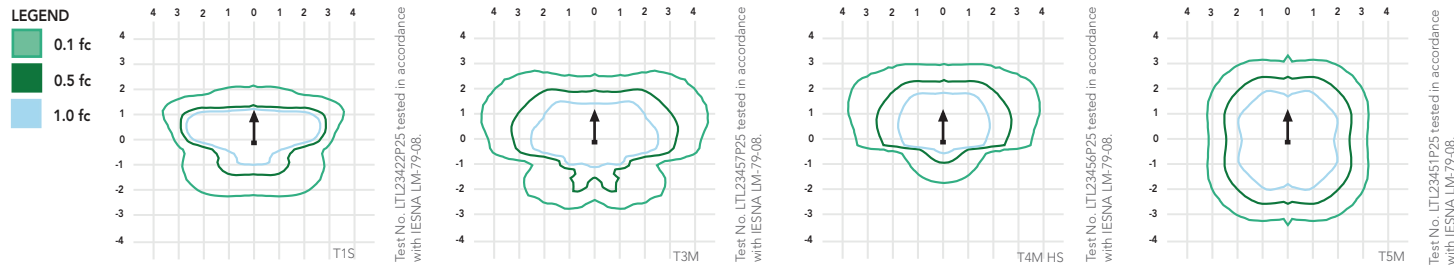
Tenon O.D.	Single Unit	2 at 180°	2 at 90°	3 at 120°	3 at 90°	4 at 90°
2-3/8"	AST20-190	AST20-280	AST20-290	AST20-320	AST20-390	AST20-490
2-7/8"	AST25-190	AST25-280	AST25-290	AST25-320	AST25-390	AST25-490
4"	AST35-190	AST35-280	AST35-290	AST35-320	AST35-390	AST35-490

TYPE T1/T1H

Photometric Diagrams

To see complete photometric reports or download .ies files for this product, visit Lithonia Lighting's [D-Series Area homepage](#).

Isofootcandle plots for the DSXO LED 40C 1000 40K. Distances are in units of mounting height (20').



Performance Data

Lumen Ambient Temperature (LAT) Multipliers

Use these factors to determine relative lumen output for average ambient temperatures from 0-40°C (32-104°F).

Ambient	Lumen Multiplier
0°C / 32°F	1.02
10°C / 50°F	1.01
20°C / 68°F	1.00
25°C / 77°F	1.00
30°C / 86°F	1.00
40°C / 104°F	0.99

Electrical Load

Number of LEDs	Drive Current (mA)	System Watts	Current (A)					
			120	208	240	277	347	480
20C	530	35	0.34	0.22	0.21	0.20	--	--
	700	45	0.47	0.28	0.24	0.22	0.18	0.14
	1000	72	0.76	0.45	0.39	0.36	0.36	0.26
30C	530	52	0.51	0.31	0.28	0.25	--	--
	700	70	0.72	0.43	0.37	0.34	0.25	0.19
	1000	104	1.11	0.64	0.56	0.49	0.47	0.34
40C	530	68	0.71	0.41	0.36	0.33	0.25	0.19
	700	91	0.94	0.55	0.48	0.42	0.33	0.24
	1000	138	1.45	0.84	0.73	0.64	0.69	0.50

Projected LED Lumen Maintenance

Data references the extrapolated performance projections for the platforms noted in a **25°C ambient**, based on 10,000 hours of LED testing (tested per IESNA LM-80-08 and projected per IESNA TM-21-11).

To calculate LLF, use the lumen maintenance factor that corresponds to the desired number of operating hours below. For other lumen maintenance values, contact factory.

Operating Hours	0	25,000	50,000	100,000
Lumen Maintenance Factor	DSXO LED 20C 1000			
	1	0.97	0.94	0.90
	DSXO LED 40C 1000			
	1	0.94	0.90	0.84
	DSXO LED 40C 700			
1	0.99	0.98	0.96	

Lumen Output

Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of the configurations shown, within the tolerances allowed by Lighting Facts. Contact factory for performance data on any configurations not shown here.

Forward Optics																								
LEDs	Drive Current (mA)	System Watts	Dist. Type	30K (3000 K, 70 CRI)					40K (4000 K, 70 CRI)					50K (5000 K, 70 CRI)					AMBPC (Amber Phosphor Converted)					
				Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	
20C (20 LEDs)	530 mA	35 W	T1S	3,174	1	0	1	91	3,971	1	0	1	113	4,001	1	0	1	114	2,541	1	0	1	73	
			T2S	3,234	1	0	1	92	4,045	1	0	1	116	4,075	1	0	1	116	2,589	1	0	1	74	
			T2M	3,171	1	0	1	91	3,967	1	0	1	113	3,997	1	0	1	114	2,539	1	0	1	73	
			T3S	3,195	1	0	1	91	3,997	1	0	1	114	4,027	1	0	1	115	2,558	1	0	1	73	
			T3M	3,226	1	0	1	92	4,036	1	0	1	115	4,066	1	0	1	116	2,583	1	0	1	74	
			T4M	3,210	1	0	1	92	4,015	1	0	1	115	4,045	1	0	1	116	2,570	1	0	1	73	
			FTM	3,173	1	0	1	91	3,969	1	0	2	113	3,999	1	0	2	114	2,540	1	0	1	73	
			TSVS	3,310	2	0	0	95	4,140	2	0	0	118	4,172	2	0	0	119	2,650	1	0	0	76	
			TSS	3,360	2	0	2	96	4,203	2	0	0	120	4,235	2	0	0	121	2,690	1	0	0	77	
			TSM	3,320	2	0	1	95	4,153	3	0	1	119	4,184	3	0	1	120	2,658	2	0	0	76	
			TSW	3,327	3	0	1	95	4,161	3	0	1	119	4,193	3	0	1	120	2,663	2	0	1	76	
			T1S	3,927	1	0	1	87	4,913	1	0	1	109	4,950	1	0	1	110	3,144	1	0	1	70	
	T2S	4,000	1	0	1	89	5,004	1	0	1	111	5,042	1	0	1	112	3,203	1	0	1	71			
	T2M	3,924	1	0	1	87	4,908	1	0	1	109	4,945	1	0	1	110	3,141	1	0	1	70			
	T3S	3,953	1	0	1	88	4,945	1	0	1	110	4,982	1	0	1	111	3,165	1	0	1	70			
	T3M	3,991	1	0	1	89	4,994	1	0	2	111	5,031	1	0	2	112	3,196	1	0	1	71			
	T4M	3,971	1	0	1	88	4,967	1	0	2	110	5,005	1	0	2	111	3,179	1	0	1	71			
	FTM	3,925	1	0	2	87	4,910	1	0	2	109	4,947	1	0	2	110	3,143	1	0	1	70			
	TSVS	4,095	2	0	0	91	5,122	2	0	0	114	5,161	2	0	0	115	3,278	2	0	0	73			
	TSS	4,157	2	0	0	92	5,200	2	0	0	116	5,239	2	0	0	116	3,328	2	0	0	74			
	TSM	4,107	3	0	1	91	5,138	3	0	1	114	5,177	3	0	1	115	3,288	2	0	1	73			
	TSW	4,116	3	0	1	91	5,148	3	0	1	114	5,187	3	0	1	115	3,295	2	0	1	73			
	T1S	5,387	1	0	1	75	6,739	2	0	2	94	6,790	2	0	2	94								
	T2S	5,488	1	0	1	76	6,865	2	0	2	95	6,917	2	0	2	96								
	T2M	5,382	1	0	2	75	6,733	2	0	2	94	6,784	2	0	2	94								
	T3S	5,423	1	0	1	75	6,784	2	0	2	94	6,835	2	0	2	95								
	T3M	5,475	1	0	2	76	6,850	2	0	2	95	6,901	2	0	2	96								
	T4M	5,447	1	0	2	76	6,814	2	0	2	95	6,866	2	0	2	95								
	FTM	5,385	1	0	2	75	6,736	1	0	2	94	6,787	1	0	2	94								
	TSVS	5,617	2	0	0	78	7,027	3	0	0	98	7,080	3	0	0	98								
	TSS	5,702	2	0	0	79	7,133	2	0	0	99	7,187	2	0	0	100								
	TSM	5,634	3	0	1	78	7,048	3	0	1	98	7,101	3	0	1	99								
	TSW	5,646	3	0	1	78	7,063	3	0	2	98	7,116	3	0	2	99								
	40C (40 LEDs)	530 mA	68 W	T1S	6,093	2	0	2	90	7,622	2	0	2	112	7,679	2	0	2	113	4,878	1	0	1	72
				T2S	6,207	2	0	2	91	7,764	2	0	2	114	7,823	2	0	2	115	4,969	1	0	1	73
				T2M	6,087	2	0	2	90	7,615	2	0	2	112	7,672	2	0	2	113	4,874	1	0	1	72
T3S				6,133	1	0	2	90	7,672	2	0	2	113	7,730	2	0	2	114	4,910	1	0	1	72	
T3M				6,193	2	0	2	91	7,747	2	0	2	114	7,805	2	0	2	115	4,958	1	0	2	73	
T4M				6,161	1	0	2	91	7,707	2	0	2	113	7,765	2	0	2	114	4,932	1	0	2	73	
FTM				6,090	1	0	2	90	7,618	2	0	2	112	7,676	2	0	2	113	4,876	1	0	2	72	
TSVS				6,353	2	0	0	93	7,947	3	0	0	117	8,007	3	0	0	118	5,086	2	0	0	75	
TSS				6,449	2	0	0	95	8,068	3	0	1	119	8,128	3	0	1	120	5,163	2	0	0	76	
TSM				6,372	3	0	1	94	7,971	3	0	2	117	8,031	3	0	2	118	5,102	3	0	1	75	
TSW				6,385	3	0	2	94	7,988	3	0	2	117	8,048	3	0	2	118	5,112	3	0	1	75	
T1S				7,752	2	0	2	85	9,697	2	0	2	107	9,770	2	0	2	107	6,206	2	0	2	68	
T2S		7,897	2	0	2	87	9,878	2	0	2	109	9,953	2	0	2	109	6,322	2	0	2	69			
T2M		7,745	2	0	2	85	9,688	2	0	2	106	9,761	2	0	2	107	6,201	2	0	2	68			
T3S		7,803	2	0	2	86	9,761	2	0	2	107	9,834	2	0	2	108	6,247	1	0	2	69			
T3M		7,879	2	0	2	87	9,856	2	0	2	108	9,930	2	0	2	109	6,308	2	0	2	69			
T4M		7,838	2	0	2	86	9,805	2	0	2	108	9,879	2	0	2	109	6,275	1	0	2	69			
FTM		7,748	2	0	2	85	9,693	2	0	3	107	9,765	2	0	3	107	6,203	1	0	2	68			
TSVS		8,083	3	0	0	89	10,111	3	0	1	111	10,187	3	0	1	112	6,569	2	0	0	72			
TSS		8,205	3	0	1	90	10,264	3	0	1	113	10,341	3	0	1	114	6,569	2	0	0	72			
TSM		8,107	3	0	2	89	10,142	3	0	2	111	10,218	3	0	2	112	6,491	3	0	1	71			
TSW		8,124	3	0	2	89	10,163	4	0	2	112	10,239	4	0	2	113	6,504	3	0	2	71			
T1S		10,435	2	0	2	76	13,054	3	0	3	95	13,152	3	0	3	95								
T2S		10,630	2	0	2	77	13,297	3	0	3	96	13,398	3	0	3	97								
T2M		10,426	2	0	2	76	13,042	3	0	3	95	13,140	3	0	3	95								
T3S		10,503	2	0	2	76	13,139	2	0	2	95	13,238	2	0	2	96								
T3M		10,606	2	0	2	77	13,267	3	0	3	96	13,367	3	0	3	97								
T4M		10,551	2	0	2	76	13,199	3	0	3	96	13,298	3	0	3	96								
FTM		10,430	2	0	3	76	13,047	2	0	3	95	13,146	2	0	3	95								
TSVS		10,881	3	0	1	79	13,611	3	0	1	99	13,714	4	0	1	99								
TSS		11,045	3	0	1	80	13,817	3	0	1	100	13,921	3	0	1	101								
TSM		10,914	4	0	2	79	13,652	4	0	2	99	13,755	4	0	2	100								
TSW		10,936	4	0	2	79	13,680	4	0	2	99	13,783	4	0	2	100								

L90 and R90 Rotated Optics

LEDs	Drive Current (mA)	System Watts	Dist. Type	30K (3000 K, 70 CRI)					40K (4000 K, 70 CRI)					50K (5000 K, 70 CRI)					AMBPC (Amber Phosphor Converted)				
				Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW
30C (30 LEDs)	530 mA	52 W	T1S	4,797	2	0	2	92	6,001	2	0	2	115	6,046	2	0	2	116	3,841	2	0	2	74
			T2S	4,887	2	0	2	94	6,113	2	0	2	118	6,159	3	0	3	118	3,912	2	0	2	75
			T2M	4,793	2	0	2	92	5,996	3	0	3	115	6,041	3	0	3	116	3,837	2	0	2	74
			T3S	4,829	2	0	2	93	6,041	3	0	3	116	6,086	3	0	3	117	3,866	2	0	2	74
			T3M	4,876	3	0	3	94	6,099	3	0	3	117	6,145	3	0	3	118	3,904	2	0	2	75
			T4M	4,851	3	0	3	93	6,068	3	0	3	117	6,114	3	0	3	118	3,884	2	0	2	75
			TFTM	4,795	3	0	3	92	5,998	3	0	3	115	6,043	3	0	3	116	3,839	2	0	2	74
			TSVS	5,002	2	0	0	96	6,258	2	0	0	120	6,305	2	0	0	121	4,005	2	0	0	77
			TSS	5,078	2	0	0	98	6,352	2	0	0	122	6,400	2	0	0	123	4,065	2	0	0	78
			TSM	5,017	3	0	1	96	6,276	3	0	1	121	6,324	3	0	1	122	4,017	2	0	1	77
			TSW	5,028	3	0	1	97	6,289	3	0	2	121	6,337	3	0	2	122	4,025	3	0	1	77
			700 mA	70 W	T1S	5,975	2	0	2	85	7,474	3	0	3	107	7,530	3	0	3	108	4,783	2	0
	T2S	6,086			2	0	2	87	7,614	3	0	3	109	7,671	3	0	3	110	4,873	2	0	2	70
	T2M	5,969			3	0	3	85	7,467	3	0	3	107	7,524	3	0	3	107	4,779	2	0	2	68
	T3S	6,014			3	0	3	86	7,523	3	0	3	107	7,580	3	0	3	108	4,815	2	0	2	69
	T3M	6,072			3	0	3	87	7,596	3	0	3	109	7,654	3	0	3	109	4,862	3	0	3	69
	T4M	6,041			3	0	3	86	7,557	3	0	3	108	7,614	3	0	3	109	4,837	3	0	3	69
	TFTM	5,972			3	0	3	85	7,471	3	0	3	107	7,527	3	0	3	108	4,781	3	0	3	68
	TSVS	6,230			2	0	0	89	7,793	3	0	0	111	7,852	3	0	0	112	4,988	2	0	0	71
	TSS	6,324			2	0	0	90	7,911	3	0	1	113	7,971	3	0	1	114	5,063	2	0	0	72
	TSM	6,249			3	0	1	89	7,817	3	0	2	112	7,876	3	0	2	113	5,003	3	0	1	71
	TSW	6,262			3	0	2	89	7,833	3	0	2	112	7,892	3	0	2	113	5,013	3	0	1	72
	1000 mA	104 W			T1S	7,956	3	0	3	76	9,952	3	0	3	96	10,027	3	0	3	96			
			T2S	8,104	3	0	3	78	10,138	3	0	3	97	10,214	3	0	3	98					
			T2M	7,949	3	0	3	76	9,943	3	0	3	96	10,018	3	0	3	96					
			T3S	8,008	3	0	3	77	10,018	3	0	3	96	10,093	3	0	3	97					
			T3M	8,086	3	0	3	78	10,115	4	0	4	97	10,191	4	0	4	98					
			T4M	8,044	3	0	3	77	10,063	3	0	3	97	10,139	3	0	3	97					
			TFTM	7,952	3	0	3	76	9,948	3	0	3	96	10,022	4	0	4	96					
			TSVS	8,296	3	0	0	80	10,377	3	0	1	100	10,455	3	0	1	101					
TSS			8,421	3	0	1	81	10,534	3	0	1	101	10,613	3	0	1	102						
TSM			8,321	3	0	2	80	10,409	4	0	2	100	10,487	4	0	2	101						
TSW			8,338	4	0	2	80	10,430	4	0	2	100	10,509	4	0	2	101						

FEATURES & SPECIFICATIONS

INTENDED USE

The sleek design of the D-Series Size 0 reflects the embedded high performance LED technology. It is ideal for many commercial and municipal applications, such as parking lots, plazas, campuses, and streetscapes.

CONSTRUCTION

Single-piece die-cast aluminum housing has integral heat sink fins to optimize thermal management through conductive and convective cooling. Modular design allows for ease of maintenance and future light engine upgrades. The LED driver is mounted in direct contact with the casting to promote low operating temperature and long life. Housing is completely sealed against moisture and environmental contaminants (IP65). Low EPA (0.8 ft²) for optimized pole wind loading.

FINISH

Exterior parts are protected by a zinc-infused Super Durable TGIC thermoset powder coat finish that provides superior resistance to corrosion and weathering. A tightly controlled multi-stage process ensures a minimum 3 mils thickness for a finish that can withstand extreme climate changes without cracking or peeling. Available in both textured and non-textured finishes.

OPTICS

Precision-molded proprietary acrylic lenses are engineered for superior area lighting distribution, uniformity, and pole spacing. Light engines are available in standard 4000 K (70 minimum CRI) or optional 3000 K (80 minimum CRI) or 5000 K (70 CRI) configurations. The D-Series Size 0 has zero uplight and qualifies as a Nighttime Friendly™ product, meaning it is consistent with the LEED® and Green Globes™ criteria for eliminating wasteful uplight.

ELECTRICAL

Light engine(s) configurations consist of high-efficacy LEDs mounted to metal-core circuit boards to maximize heat dissipation and promote long life (up to L96/100,000 hours at 25°C). Class 1 electronic drivers are designed to have a power factor >90%, THD <20%, and an expected life of

100,000 hours with <1% failure rate. Easily serviceable 10kV or 6kV surge protection device meets a minimum Category C Low operation (per ANSI/IEEE C62.41.2).

INSTALLATION

Included mounting block and integral arm facilitate quick and easy installation. Stainless steel bolts fasten the mounting block securely to poles and walls, enabling the D-Series Size 0 to withstand up to a 3.0 G vibration load rating per ANSI C136.31. The D-Series Size 0 utilizes the AERIS™ series pole drilling pattern. Optional terminal block, tool-less entry, and NEMA photocontrol receptacle are also available.

LISTINGS

UL Listed for wet locations. Light engines are IP66 rated; luminaire is IP65 rated. Rated for -40°C minimum ambient. U.S. Patent No. D672,492 S. International patent pending.

DesignLights Consortium® (DLC) qualified product. Not all versions of this product may be DLC qualified. Please check the DLC Qualified Products List at www.designlights.org to confirm which versions are qualified.

WARRANTY

Five-year limited warranty. Full 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.





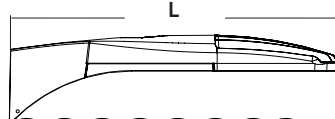
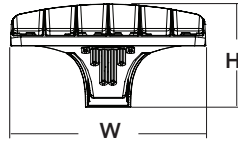
D-Series Size 0 LED Area Luminaire



d#series

Specifications

EPA:	0.8 ft ² (.07 m ²)
Length:	26" (66.0 cm)
Width:	13" (33.0 cm)
Height:	7" (17.8 cm)
Weight (max):	16 lbs (7.25 kg)



**MAIN PARKING
LOT LIGHTING**

Catalog Number	
Notes	
Type	TYPE T2/T2H

Introduction

The modern styling of the D-Series is striking yet unobtrusive - making a bold, progressive statement even as it blends seamlessly with its environment.

The D-Series distills the benefits of the latest in LED technology into a high performance, high efficacy, long-life luminaire. The outstanding photometric performance results in sites with excellent uniformity, greater pole spacing and lower power density. It is ideal for replacing up to 400W metal halide with typical energy savings of 65% and expected service life of over 100,000 hours.

Ordering Information

EXAMPLE: DSX0 LED 40C 1000 40K T3M MVOLT SPA DDBXD

Series	LEDs	Drive current	Color temperature	Distribution	Voltage	Mounting
DSX0 LED	Forward optics 20C 20 LEDs (one engine) 40C 40 LEDs (two engines) Rotated optics¹ 30C 30 LEDs (one engine)	530 530 mA 700 700 mA 1000 1000 mA (1 A) ²	30K 3000 K (80 CRI min.) 40K 4000 K (70 CRI min.) 50K 5000 K (70 CRI) AMBPC Amber phosphor converted ³	T1S Type I short T2S Type II short T2M Type II medium T3S Type III short T3M Type III medium T4M Type IV medium TFTM Forward throw medium T5VS Type V very short T5S Type V short T5M Type V medium T5W Type V wide	MVOLT ⁴ 120 ⁴ 208 ⁴ 240 ⁴ 277 ⁴ 347 ⁵ 480 ⁵	Shipped included SPA Square pole mounting RPA Round pole mounting WBA Wall bracket SPUMBA Square pole universal mounting adaptor ⁶ RPUMBA Round pole universal mounting adaptor ⁶ Shipped separately⁷ KMA8 DDBXD U Mast arm mounting bracket adaptor (specify finish)

Control options	Other options	Finish (required)
Shipped installed PER NEMA twist-lock receptacle only (no controls) ⁸ PER5 Five-wire receptacle only (no controls) ^{8,9} PER7 Seven-wire receptacle only (no controls) ^{8,9} DMG 0-10V dimming driver (no controls) ¹⁰ DCR Dimmable and controllable via ROAM [®] (no controls) ¹¹ PIR Motion sensor, 8-15' mounting height ¹² PIRH Motion sensor, 15-30' mounting height ¹²	Shipped installed HS House-side shield ¹⁶ SF Single fuse (120, 277, 347V) ¹⁷ DF Double fuse (208, 240, 480V) ¹⁷ L90 Left rotated optics ¹ R90 Right rotated optics ¹ DDL Diffused drop lens ¹⁶	DDBXD Dark bronze DBLXD Black DNAXD Natural aluminum DWHXD White DDBTXD Textured dark bronze DBL BXD Textured black DNATXD Textured natural aluminum DWHGXD Textured white

Controls & Shields

DLL127F 1.5 JU	Photocell - SSL twist-lock (120-277V) ¹⁸
DLL347F 1.5 CUL JU	Photocell - SSL twist-lock (347V) ¹⁸
DLL480F 1.5 CUL JU	Photocell - SSL twist-lock (480V) ¹⁸
SC U	Shorting cap ¹⁸
DSX0HS 20C U	House-side shield for 20 LED unit ¹⁶
DSX0HS 30C U	House-side shield for 30 LED unit ¹⁶
DSX0HS 40C U	House-side shield for 40 LED unit ¹⁶
DSX0DDL U	Diffused drop lens (polycarbonate) ¹⁶
PUMBA DDBXD U*	Square and round pole universal mounting bracket adaptor (specify finish)
KMA8 DDBXD U	Mast arm mounting bracket adaptor (specify finish) ⁷

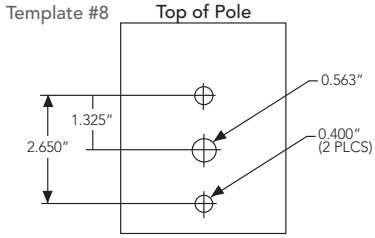
NOTES

- 30 LEDs (30C option) and rotated options (L90 or R90) only available together.
- 1000mA not available with AMBPC.
- AMBPC only available with 530mA or 700mA.
- MVOLT driver operates on any line voltage from 120-277V (50/60 Hz). Specify 120V, 208V, 240V or 277V options only when ordering with fusing (SF, DF options).
- Not available with single board, 530mA product (20C 530 or 30C 530). Not available with BL30, BL50 or PNMT options.
- Available as a separate combination accessory: PUMBA (finish) U; 1.5 G vibration load rating per ANCI C136.31.
- Must be ordered as a separate accessory; see Accessories information. For use with 2-3/8" mast arm (not included).
- Photocell ordered and shipped as a separate line item from Acuity Brands Controls. See accessories.
- If ROAM[®] node required, it must be ordered and shipped as a separate line item from Acuity Brands Controls. Not available with DCR.
- DMG option for 347V or 480V requires 1000mA.

- Specifies a ROAM[®] enabled luminaire with 0-10V dimming capability; PER option required. Additional hardware and services required for ROAM[®] deployment; must be purchased separately. Call 1-800-442-6745 or email: sales@roamservices.net. N/A with PIR, PIRH, PER5, PER7, BL30, BL50 or PNMT options.
- PIR specifies the SensorSwitch SBGR-6-ODP control; PIRH specifies the SensorSwitch SBGR-10-ODP control; see Motion Sensor Guide for details. Dimming driver standard. Not available with PER5 or PER7.
- Requires an additional switched circuit.
- Dimming driver standard. MVOLT only. Not available with 347V, 480V, DCR, PER5, PER7 or PNMT options.
- Dimming driver standard. MVOLT only. Not available with 347V, 480V, DCR, PER5, PER7, BL30 or BL50.
- Also available as a separate accessory; see Accessories information.
- Single fuse (SF) requires 120V, 277V or 347V. Double fuse (DF) requires 208V, 240V or 480V.
- Requires luminaire to be specified with PER option. Ordered and shipped as a separate line item from Acuity Brands Controls.



Drilling



DSXO shares a unique drilling pattern with the AERIS™ family. Specify this drilling pattern when specifying poles, per the table below.

DM19AS	Single unit	DM29AS	2 at 90° *
DM28AS	2 at 180°	DM39AS	3 at 90° *
DM49AS	4 at 90° *	DM32AS	3 at 120° **

Example: SSA 20 4C DM19AS DDBXD

Visit Lithonia Lighting's **POLES CENTRAL** to see our wide selection of poles, accessories and educational tools.

*Round pole top must be 3.25" O.D. minimum.

**For round pole mounting (RPA) only.

Tenon Mounting Slipfitter**

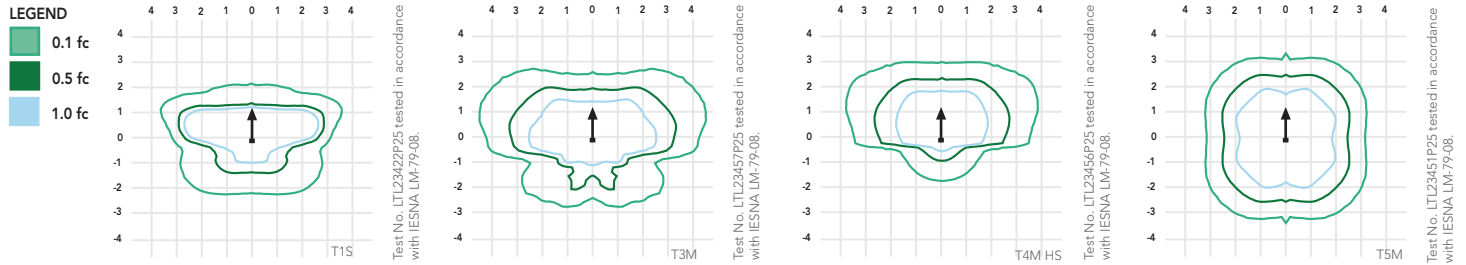
Tenon O.D.	Single Unit	2 at 180°	2 at 90°	3 at 120°	3 at 90°	4 at 90°
2-3/8"	AST20-190	AST20-280	AST20-290	AST20-320	AST20-390	AST20-490
2-7/8"	AST25-190	AST25-280	AST25-290	AST25-320	AST25-390	AST25-490
4"	AST35-190	AST35-280	AST35-290	AST35-320	AST35-390	AST35-490

TYPE T2/T2H

Photometric Diagrams

To see complete photometric reports or download .ies files for this product, visit Lithonia Lighting's [D-Series Area homepage](#).

Isofootcandle plots for the DSXO LED 40C 1000 40K. Distances are in units of mounting height (20').



Performance Data

Lumen Ambient Temperature (LAT) Multipliers

Use these factors to determine relative lumen output for average ambient temperatures from 0-40°C (32-104°F).

Ambient		Lumen Multiplier
0°C	32°F	1.02
10°C	50°F	1.01
20°C	68°F	1.00
25°C	77°F	1.00
30°C	86°F	1.00
40°C	104°F	0.99

Electrical Load

Number of LEDs	Drive Current (mA)	System Watts	Current (A)					
			120	208	240	277	347	480
20C	530	35	0.34	0.22	0.21	0.20	--	--
	700	45	0.47	0.28	0.24	0.22	0.18	0.14
	1000	72	0.76	0.45	0.39	0.36	0.36	0.26
30C	530	52	0.51	0.31	0.28	0.25	--	--
	700	70	0.72	0.43	0.37	0.34	0.25	0.19
	1000	104	1.11	0.64	0.56	0.49	0.47	0.34
40C	530	68	0.71	0.41	0.36	0.33	0.25	0.19
	700	91	0.94	0.55	0.48	0.42	0.33	0.24
	1000	138	1.45	0.84	0.73	0.64	0.69	0.50

Projected LED Lumen Maintenance

Data references the extrapolated performance projections for the platforms noted in a **25°C ambient**, based on 10,000 hours of LED testing (tested per IESNA LM-80-08 and projected per IESNA TM-21-11).

To calculate LLF, use the lumen maintenance factor that corresponds to the desired number of operating hours below. For other lumen maintenance values, contact factory.

Operating Hours	0	25,000	50,000	100,000
Lumen Maintenance Factor	DSXO LED 20C 1000			
	1	0.97	0.94	0.90
	DSXO LED 40C 1000			
	1	0.94	0.90	0.84
	DSXO LED 40C 700			
1	0.99	0.98	0.96	

TYPE T2/T2H

Lumen Output

Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of the configurations shown, within the tolerances allowed by Lighting Facts. Contact factory for performance data on any configurations not shown here.

Forward Optics																								
LEDs	Drive Current (mA)	System Watts	Dist. Type	30K (3000 K, 70 CRI)					40K (4000 K, 70 CRI)					50K (5000 K, 70 CRI)					AMBPC (Amber Phosphor Converted)					
				Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	
20C (20 LEDs)	530 mA	35 W	T1S	3,174	1	0	1	91	3,971	1	0	1	113	4,001	1	0	1	114	2,541	1	0	1	73	
			T2S	3,234	1	0	1	92	4,045	1	0	1	116	4,075	1	0	1	116	2,589	1	0	1	74	
			T2M	3,171	1	0	1	91	3,967	1	0	1	113	3,997	1	0	1	114	2,539	1	0	1	73	
			T3S	3,195	1	0	1	91	3,997	1	0	1	114	4,027	1	0	1	115	2,558	1	0	1	73	
			T3M	3,226	1	0	1	92	4,036	1	0	1	115	4,066	1	0	1	116	2,583	1	0	1	74	
			T4M	3,210	1	0	1	92	4,015	1	0	1	115	4,045	1	0	1	116	2,570	1	0	1	73	
			FTM	3,173	1	0	1	91	3,969	1	0	2	113	3,999	1	0	2	114	2,540	1	0	1	73	
			TSVS	3,310	2	0	0	95	4,140	2	0	0	118	4,172	2	0	0	119	2,650	1	0	0	76	
			T5S	3,360	2	0	2	96	4,203	2	0	0	120	4,235	2	0	0	121	2,690	1	0	0	77	
			T5M	3,320	2	0	1	95	4,153	3	0	1	119	4,184	3	0	1	120	2,658	2	0	0	76	
			TSW	3,327	3	0	1	95	4,161	3	0	1	119	4,193	3	0	1	120	2,663	2	0	1	76	
			T1S	3,927	1	0	1	87	4,913	1	0	1	109	4,950	1	0	1	110	3,144	1	0	1	70	
	T2S	4,000	1	0	1	89	5,004	1	0	1	111	5,042	1	0	1	112	3,203	1	0	1	71			
	T2M	3,924	1	0	1	87	4,908	1	0	1	109	4,945	1	0	1	110	3,141	1	0	1	70			
	T3S	3,953	1	0	1	88	4,945	1	0	1	110	4,982	1	0	1	111	3,165	1	0	1	70			
	T3M	3,991	1	0	1	89	4,994	1	0	2	111	5,031	1	0	2	112	3,196	1	0	1	71			
	T4M	3,971	1	0	1	88	4,967	1	0	2	110	5,005	1	0	2	111	3,179	1	0	1	71			
	FTM	3,925	1	0	2	87	4,910	1	0	2	109	4,947	1	0	2	110	3,143	1	0	1	70			
	TSVS	4,095	2	0	0	91	5,122	2	0	0	114	5,161	2	0	0	115	3,278	2	0	0	73			
	T5S	4,157	2	0	0	92	5,200	2	0	0	116	5,239	2	0	0	116	3,328	2	0	0	74			
	T5M	4,107	3	0	1	91	5,138	3	0	1	114	5,177	3	0	1	115	3,288	2	0	1	73			
	TSW	4,116	3	0	1	91	5,148	3	0	1	114	5,187	3	0	1	115	3,295	2	0	1	73			
	1000 mA	72 W	T1S	5,387	1	0	1	75	6,739	2	0	2	94	6,790	2	0	2	94						
			T2S	5,488	1	0	1	76	6,865	2	0	2	95	6,917	2	0	2	96						
			T2M	5,382	1	0	2	75	6,733	2	0	2	94	6,784	2	0	2	94						
			T3S	5,423	1	0	1	75	6,784	2	0	2	94	6,835	2	0	2	95						
			T3M	5,475	1	0	2	76	6,850	2	0	2	95	6,901	2	0	2	96						
			T4M	5,447	1	0	2	76	6,814	2	0	2	95	6,866	2	0	2	95						
			FTM	5,385	1	0	2	75	6,736	1	0	2	94	6,787	1	0	2	94						
			TSVS	5,617	2	0	0	78	7,027	3	0	0	98	7,080	3	0	0	98						
			T5S	5,702	2	0	0	79	7,133	2	0	0	99	7,187	2	0	0	100						
			T5M	5,634	3	0	1	78	7,048	3	0	1	98	7,101	3	0	1	99						
			TSW	5,646	3	0	1	78	7,063	3	0	2	98	7,116	3	0	2	99						
			40C (40 LEDs)	530 mA	68 W	T1S	6,093	2	0	2	90	7,622	2	0	2	112	7,679	2	0	2	113	4,878	1	0
	T2S	6,207				2	0	2	91	7,764	2	0	2	114	7,823	2	0	2	115	4,969	1	0	1	73
	T2M	6,087				2	0	2	90	7,615	2	0	2	112	7,672	2	0	2	113	4,874	1	0	1	72
T3S	6,133	1				0	2	90	7,672	2	0	2	113	7,730	2	0	2	114	4,910	1	0	1	72	
T3M	6,193	2				0	2	91	7,747	2	0	2	114	7,805	2	0	2	115	4,958	1	0	2	73	
T4M	6,161	1				0	2	91	7,707	2	0	2	113	7,765	2	0	2	114	4,932	1	0	2	73	
FTM	6,090	1				0	2	90	7,618	2	0	2	112	7,676	2	0	2	113	4,876	1	0	2	72	
TSVS	6,353	2				0	0	93	7,947	3	0	0	117	8,007	3	0	0	118	5,086	2	0	0	75	
T5S	6,449	2				0	0	95	8,068	3	0	1	119	8,128	3	0	1	120	5,163	2	0	0	76	
T5M	6,372	3				0	1	94	7,971	3	0	2	117	8,031	3	0	2	118	5,102	3	0	1	75	
TSW	6,385	3				0	2	94	7,988	3	0	2	117	8,048	3	0	2	118	5,112	3	0	1	75	
700 mA	91 W	T1S				7,752	2	0	2	85	9,697	2	0	2	107	9,770	2	0	2	107	6,206	2	0	2
		T2S		7,897	2	0	2	87	9,878	2	0	2	109	9,953	2	0	2	109	6,322	2	0	2	69	
		T2M		7,745	2	0	2	85	9,688	2	0	2	106	9,761	2	0	2	107	6,201	2	0	2	68	
		T3S		7,803	2	0	2	86	9,761	2	0	2	107	9,834	2	0	2	108	6,247	1	0	2	69	
		T3M		7,879	2	0	2	87	9,856	2	0	2	108	9,930	2	0	2	109	6,308	2	0	2	69	
		T4M		7,838	2	0	2	86	9,805	2	0	2	108	9,879	2	0	2	109	6,275	1	0	2	69	
		FTM		7,748	2	0	2	85	9,693	2	0	3	107	9,765	2	0	3	107	6,203	1	0	2	68	
		TSVS		8,083	3	0	0	89	10,111	3	0	1	111	10,187	3	0	1	112	6,569	2	0	0	72	
		T5S		8,205	3	0	1	90	10,264	3	0	1	113	10,341	3	0	1	114	6,569	2	0	0	72	
		T5M		8,107	3	0	2	89	10,142	3	0	2	111	10,218	3	0	2	112	6,491	3	0	1	71	
		TSW		8,124	3	0	2	89	10,163	4	0	2	112	10,239	4	0	2	113	6,504	3	0	2	71	
		1000 mA		138 W	T1S	10,435	2	0	2	76	13,054	3	0	3	95	13,152	3	0	3	95				
T2S	10,630				2	0	2	77	13,297	3	0	3	96	13,398	3	0	3	97						
T2M	10,426				2	0	2	76	13,042	3	0	3	95	13,140	3	0	3	95						
T3S	10,503				2	0	2	76	13,139	2	0	2	95	13,238	2	0	2	96						
T3M	10,606				2	0	2	77	13,267	3	0	3	96	13,367	3	0	3	97						
T4M	10,551				2	0	2	76	13,199	3	0	3	96	13,298	3	0	3	96						
FTM	10,430				2	0	3	76	13,047	2	0	3	95	13,146	2	0	3	95						
TSVS	10,881				3	0	1	79	13,611	3	0	1	99	13,714	4	0	1	99						
T5S	11,045				3	0	1	80	13,817	3	0	1	100	13,921	3	0	1	101						
T5M	10,914				4	0	2	79	13,652	4	0	2	99	13,755	4	0	2	100						
TSW	10,936				4	0	2	79	13,680	4	0	2	99	13,783	4	0	2	100						

L90 and R90 Rotated Optics

LEDs	Drive Current (mA)	System Watts	Dist. Type	30K (3000 K, 70 CRI)					40K (4000 K, 70 CRI)					50K (5000 K, 70 CRI)					AMBPC (Amber Phosphor Converted)				
				Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW
30C (30 LEDs)	530 mA	52 W	T1S	4,797	2	0	2	92	6,001	2	0	2	115	6,046	2	0	2	116	3,841	2	0	2	74
			T2S	4,887	2	0	2	94	6,113	2	0	2	118	6,159	3	0	3	118	3,912	2	0	2	75
			T2M	4,793	2	0	2	92	5,996	3	0	3	115	6,041	3	0	3	116	3,837	2	0	2	74
			T3S	4,829	2	0	2	93	6,041	3	0	3	116	6,086	3	0	3	117	3,866	2	0	2	74
			T3M	4,876	3	0	3	94	6,099	3	0	3	117	6,145	3	0	3	118	3,904	2	0	2	75
			T4M	4,851	3	0	3	93	6,068	3	0	3	117	6,114	3	0	3	118	3,884	2	0	2	75
			TFTM	4,795	3	0	3	92	5,998	3	0	3	115	6,043	3	0	3	116	3,839	2	0	2	74
			TSVS	5,002	2	0	0	96	6,258	2	0	0	120	6,305	2	0	0	121	4,005	2	0	0	77
			T5S	5,078	2	0	0	98	6,352	2	0	0	122	6,400	2	0	0	123	4,065	2	0	0	78
			T5M	5,017	3	0	1	96	6,276	3	0	1	121	6,324	3	0	1	122	4,017	2	0	1	77
			TSW	5,028	3	0	1	97	6,289	3	0	2	121	6,337	3	0	2	122	4,025	3	0	1	77
			700 mA	70 W	T1S	5,975	2	0	2	85	7,474	3	0	3	107	7,530	3	0	3	108	4,783	2	0
	T2S	6,086			2	0	2	87	7,614	3	0	3	109	7,671	3	0	3	110	4,873	2	0	2	70
	T2M	5,969			3	0	3	85	7,467	3	0	3	107	7,524	3	0	3	107	4,779	2	0	2	68
	T3S	6,014			3	0	3	86	7,523	3	0	3	107	7,580	3	0	3	108	4,815	2	0	2	69
	T3M	6,072			3	0	3	87	7,596	3	0	3	109	7,654	3	0	3	109	4,862	3	0	3	69
	T4M	6,041			3	0	3	86	7,557	3	0	3	108	7,614	3	0	3	109	4,837	3	0	3	69
	TFTM	5,972			3	0	3	85	7,471	3	0	3	107	7,527	3	0	3	108	4,781	3	0	3	68
	TSVS	6,230			2	0	0	89	7,793	3	0	0	111	7,852	3	0	0	112	4,988	2	0	0	71
	T5S	6,324			2	0	0	90	7,911	3	0	1	113	7,971	3	0	1	114	5,063	2	0	0	72
	T5M	6,249			3	0	1	89	7,817	3	0	2	112	7,876	3	0	2	113	5,003	3	0	1	71
	TSW	6,262			3	0	2	89	7,833	3	0	2	112	7,892	3	0	2	113	5,013	3	0	1	72
	1000 mA	104 W			T1S	7,956	3	0	3	76	9,952	3	0	3	96	10,027	3	0	3	96			
			T2S	8,104	3	0	3	78	10,138	3	0	3	97	10,214	3	0	3	98					
			T2M	7,949	3	0	3	76	9,943	3	0	3	96	10,018	3	0	3	96					
			T3S	8,008	3	0	3	77	10,018	3	0	3	96	10,093	3	0	3	97					
			T3M	8,086	3	0	3	78	10,115	4	0	4	97	10,191	4	0	4	98					
			T4M	8,044	3	0	3	77	10,063	3	0	3	97	10,139	3	0	3	97					
			TFTM	7,952	3	0	3	76	9,948	3	0	3	96	10,022	4	0	4	96					
			TSVS	8,296	3	0	0	80	10,377	3	0	1	100	10,455	3	0	1	101					
T5S			8,421	3	0	1	81	10,534	3	0	1	101	10,613	3	0	1	102						
T5M			8,321	3	0	2	80	10,409	4	0	2	100	10,487	4	0	2	101						
TSW			8,338	4	0	2	80	10,430	4	0	2	100	10,509	4	0	2	101						

FEATURES & SPECIFICATIONS

INTENDED USE

The sleek design of the D-Series Size 0 reflects the embedded high performance LED technology. It is ideal for many commercial and municipal applications, such as parking lots, plazas, campuses, and streetscapes.

CONSTRUCTION

Single-piece die-cast aluminum housing has integral heat sink fins to optimize thermal management through conductive and convective cooling. Modular design allows for ease of maintenance and future light engine upgrades. The LED driver is mounted in direct contact with the casting to promote low operating temperature and long life. Housing is completely sealed against moisture and environmental contaminants (IP65). Low EPA (0.8 ft²) for optimized pole wind loading.

FINISH

Exterior parts are protected by a zinc-infused Super Durable TGIC thermoset powder coat finish that provides superior resistance to corrosion and weathering. A tightly controlled multi-stage process ensures a minimum 3 mils thickness for a finish that can withstand extreme climate changes without cracking or peeling. Available in both textured and non-textured finishes.

OPTICS

Precision-molded proprietary acrylic lenses are engineered for superior area lighting distribution, uniformity, and pole spacing. Light engines are available in standard 4000 K (70 minimum CRI) or optional 3000 K (80 minimum CRI) or 5000 K (70 CRI) configurations. The D-Series Size 0 has zero uplight and qualifies as a Nighttime Friendly™ product, meaning it is consistent with the LEED® and Green Globes™ criteria for eliminating wasteful uplight.

ELECTRICAL

Light engine(s) configurations consist of high-efficacy LEDs mounted to metal-core circuit boards to maximize heat dissipation and promote long life (up to L96/100,000 hours at 25°C). Class 1 electronic drivers are designed to have a power factor >90%, THD <20%, and an expected life of

100,000 hours with <1% failure rate. Easily serviceable 10kV or 6kV surge protection device meets a minimum Category C Low operation (per ANSI/IEEE C62.41.2).

INSTALLATION

Included mounting block and integral arm facilitate quick and easy installation. Stainless steel bolts fasten the mounting block securely to poles and walls, enabling the D-Series Size 0 to withstand up to a 3.0 G vibration load rating per ANSI C136.31. The D-Series Size 0 utilizes the AERIS™ series pole drilling pattern. Optional terminal block, tool-less entry, and NEMA photocontrol receptacle are also available.

LISTINGS

UL Listed for wet locations. Light engines are IP66 rated; luminaire is IP65 rated. Rated for -40°C minimum ambient. U.S. Patent No. D672,492 S. International patent pending.

DesignLights Consortium® (DLC) qualified product. Not all versions of this product may be DLC qualified. Please check the DLC Qualified Products List at www.designlights.org to confirm which versions are qualified.

WARRANTY

Five-year limited warranty. Full 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.





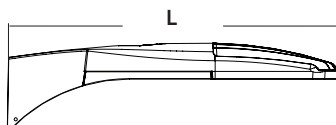
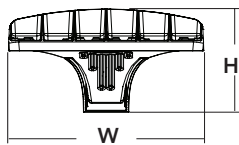
D-Series Size 0 LED Area Luminaire



d#series

Specifications

EPA:	0.8 ft ² (.07 m ²)
Length:	26" (66.0 cm)
Width:	13" (33.0 cm)
Height:	7" (17.8 cm)
Weight (max):	16 lbs (7.25 kg)



MAIN PARKING LOT LIGHTING

Catalog Number	
Notes	
Type	TYPE T3

Introduction

The modern styling of the D-Series is striking yet unobtrusive - making a bold, progressive statement even as it blends seamlessly with its environment.

The D-Series distills the benefits of the latest in LED technology into a high performance, high efficacy, long-life luminaire. The outstanding photometric performance results in sites with excellent uniformity, greater pole spacing and lower power density. It is ideal for replacing up to 400W metal halide with typical energy savings of 65% and expected service life of over 100,000 hours.

Ordering Information

EXAMPLE: DSX0 LED 40C 1000 40K T3M MVOLT SPA DDBXD

Series	LEDs	Drive current	Color temperature	Distribution	Voltage	Mounting
DSX0 LED	Forward optics 20C 20 LEDs (one engine) 40C 40 LEDs (two engines) Rotated optics¹ 30C 30 LEDs (one engine)	530 530 mA 700 700 mA 1000 1000 mA (1 A) ²	30K 3000 K (80 CRI min.) 40K 4000 K (70 CRI min.) 50K 5000 K (70 CRI) AMBPC Amber phosphor converted ³	T1S Type I short T2S Type II short T2M Type II medium T3S Type III short T3M Type III medium T4M Type IV medium TFTM Forward throw medium T5VS Type V very short T5S Type V short T5M Type V medium T5W Type V wide	MVOLT ⁴ 120 ⁴ 208 ⁴ 240 ⁴ 277 ⁴ 347 ⁵ 480 ⁵	Shipped included SPA Square pole mounting RPA Round pole mounting WBA Wall bracket SPUMBA Square pole universal mounting adaptor ⁶ RPUMBA Round pole universal mounting adaptor ⁶ Shipped separately⁷ KMA8 DDBXD U Mast arm mounting bracket adaptor (specify finish)

Control options	Other options	Finish (required)
Shipped installed PER NEMA twist-lock receptacle only (no controls) ⁸ PER5 Five-wire receptacle only (no controls) ^{8,9} PER7 Seven-wire receptacle only (no controls) ^{8,9} DMG 0-10V dimming driver (no controls) ¹⁰ DCR Dimmable and controllable via ROAM® (no controls) ¹¹ PIR Motion sensor, 8-15' mounting height ¹² PIRH Motion sensor, 15-30' mounting height ¹²	Shipped installed HS House-side shield ¹⁶ SF Single fuse (120, 277, 347V) ¹⁷ DF Double fuse (208, 240, 480V) ¹⁷ L90 Left rotated optics ¹ R90 Right rotated optics ¹ DDL Diffused drop lens ¹⁶	DDBXD Dark bronze DBLXD Black DNAXD Natural aluminum DWHXD White DDBTXD Textured dark bronze DBL BXD Textured black DNATXD Textured natural aluminum DWHGXD Textured white

Accessories

Ordered and shipped separately.

DL127F 1.5 JU	Photocell - SSL twist-lock (120-277V) ¹⁸
DL1347F 1.5 CUL JU	Photocell - SSL twist-lock (347V) ¹⁸
DL1480F 1.5 CUL JU	Photocell - SSL twist-lock (480V) ¹⁸
SC U	Shorting cap ¹⁸
DSX0HS 20C U	House-side shield for 20 LED unit ¹⁶
DSX0HS 30C U	House-side shield for 30 LED unit ¹⁶
DSX0HS 40C U	House-side shield for 40 LED unit ¹⁶
DSX0DDL U	Diffused drop lens (polycarbonate) ¹⁶
PUMBA DDBXD U*	Square and round pole universal mounting bracket adaptor (specify finish)
KMA8 DDBXD U	Mast arm mounting bracket adaptor (specify finish) ⁷

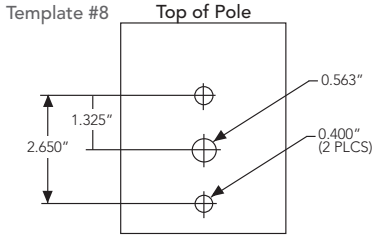
For more control options, visit [DTL](#) and [ROAM](#) online.

- ### NOTES
- 30 LEDs (30C option) and rotated options (L90 or R90) only available together.
 - 1000mA not available with AMBPC.
 - AMBPC only available with 530mA or 700mA.
 - MVOLT driver operates on any line voltage from 120-277V (50/60 Hz). Specify 120V, 208V, 240V or 277V options only when ordering with fusing (SF, DF options).
 - Not available with single board, 530mA product (20C 530 or 30C 530). Not available with BL30, BL50 or PNMT options.
 - Available as a separate combination accessory: PUMBA (finish) U; 1.5 G vibration load rating per ANCI C136.31.
 - Must be ordered as a separate accessory; see Accessories information. For use with 2-3/8" mast arm (not included).
 - Photocell ordered and shipped as a separate line item from Acuity Brands Controls. See accessories.
 - If ROAM® node required, it must be ordered and shipped as a separate line item from Acuity Brands Controls. Not available with DCR.
 - DMG option for 347V or 480V requires 1000mA.

- Specifies a ROAM® enabled luminaire with 0-10V dimming capability; PER option required. Additional hardware and services required for ROAM® deployment; must be purchased separately. Call 1-800-442-6745 or email: sales@roamservices.net. N/A with PIR, PIRH, PER5, PER7, BL30, BL50 or PNMT options.
- PIR specifies the SensorSwitch SBGR-6-ODP control; PIRH specifies the SensorSwitch SBGR-10-ODP control; see [Motion Sensor Guide](#) for details. Dimming driver standard. Not available with PER5 or PER7.
- Requires an additional switched circuit.
- Dimming driver standard. MVOLT only. Not available with 347V, 480V, DCR, PER5, PER7 or PNMT options.
- Dimming driver standard. MVOLT only. Not available with 347V, 480V, DCR, PER5, PER7, BL30 or BL50.
- Also available as a separate accessory; see Accessories information.
- Single fuse (SF) requires 120V, 277V or 347V. Double fuse (DF) requires 208V, 240V or 480V.
- Requires luminaire to be specified with PER option. Ordered and shipped as a separate line item from Acuity Brands Controls.



Drilling



DSXO shares a unique drilling pattern with the AERIS™ family. Specify this drilling pattern when specifying poles, per the table below.

DM19AS	Single unit	DM29AS	2 at 90° *
DM28AS	2 at 180°	DM39AS	3 at 90° *
DM49AS	4 at 90° *	DM32AS	3 at 120° **

Example: SSA 20 4C DM19AS DDBXD

Visit Lithonia Lighting's [POLES CENTRAL](#) to see our wide selection of poles, accessories and educational tools.

*Round pole top must be 3.25" O.D. minimum.

**For round pole mounting (RPA) only.

Tenon Mounting Slipfitter**

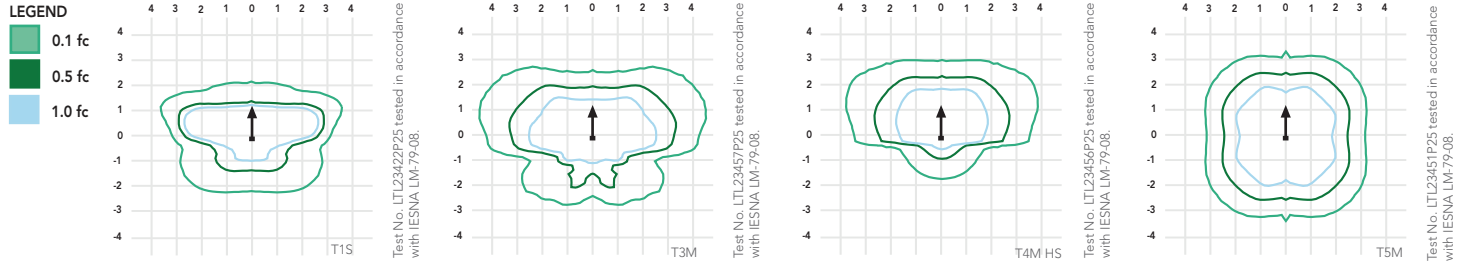
Tenon O.D.	Single Unit	2 at 180°	2 at 90°	3 at 120°	3 at 90°	4 at 90°
2-3/8"	AST20-190	AST20-280	AST20-290	AST20-320	AST20-390	AST20-490
2-7/8"	AST25-190	AST25-280	AST25-290	AST25-320	AST25-390	AST25-490
4"	AST35-190	AST35-280	AST35-290	AST35-320	AST35-390	AST35-490

TYPE T3

Photometric Diagrams

To see complete photometric reports or download .ies files for this product, visit [Lithonia Lighting's D-Series Area homepage](#).

Isofootcandle plots for the DSXO LED 40C 1000 40K. Distances are in units of mounting height (20').



Performance Data

Lumen Ambient Temperature (LAT) Multipliers

Use these factors to determine relative lumen output for average ambient temperatures from 0-40°C (32-104°F).

Ambient	Lumen Multiplier
0°C / 32°F	1.02
10°C / 50°F	1.01
20°C / 68°F	1.00
25°C / 77°F	1.00
30°C / 86°F	1.00
40°C / 104°F	0.99

Electrical Load

Number of LEDs	Drive Current (mA)	System Watts	Current (A)					
			120	208	240	277	347	480
20C	530	35	0.34	0.22	0.21	0.20	--	--
	700	45	0.47	0.28	0.24	0.22	0.18	0.14
	1000	72	0.76	0.45	0.39	0.36	0.36	0.26
30C	530	52	0.51	0.31	0.28	0.25	--	--
	700	70	0.72	0.43	0.37	0.34	0.25	0.19
	1000	104	1.11	0.64	0.56	0.49	0.47	0.34
40C	530	68	0.71	0.41	0.36	0.33	0.25	0.19
	700	91	0.94	0.55	0.48	0.42	0.33	0.24
	1000	138	1.45	0.84	0.73	0.64	0.69	0.50

Projected LED Lumen Maintenance

Data references the extrapolated performance projections for the platforms noted in a 25°C ambient, based on 10,000 hours of LED testing (tested per IESNA LM-80-08 and projected per IESNA TM-21-11).

To calculate LLF, use the lumen maintenance factor that corresponds to the desired number of operating hours below. For other lumen maintenance values, contact factory.

Operating Hours	0	25,000	50,000	100,000
Lumen Maintenance Factor	DSXO LED 20C 1000			
	1	0.97	0.94	0.90
	DSXO LED 40C 1000			
	1	0.94	0.90	0.84
	DSXO LED 40C 700			
1	0.99	0.98	0.96	



Lumen Output

Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of the configurations shown, within the tolerances allowed by Lighting Facts. Contact factory for performance data on any configurations not shown here.

Forward Optics																								
LEDs	Drive Current (mA)	System Watts	Dist. Type	30K (3000 K, 70 CRI)					40K (4000 K, 70 CRI)					50K (5000 K, 70 CRI)					AMBPC (Amber Phosphor Converted)					
				Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	
20C (20 LEDs)	530 mA	35 W	T1S	3,174	1	0	1	91	3,971	1	0	1	113	4,001	1	0	1	114	2,541	1	0	1	73	
			T2S	3,234	1	0	1	92	4,045	1	0	1	116	4,075	1	0	1	116	2,589	1	0	1	74	
			T2M	3,171	1	0	1	91	3,967	1	0	1	113	3,997	1	0	1	114	2,539	1	0	1	73	
			T3S	3,195	1	0	1	91	3,997	1	0	1	114	4,027	1	0	1	115	2,558	1	0	1	73	
			T3M	3,226	1	0	1	92	4,036	1	0	1	115	4,066	1	0	1	116	2,583	1	0	1	74	
			T4M	3,210	1	0	1	92	4,015	1	0	1	115	4,045	1	0	1	116	2,570	1	0	1	73	
			TF1M	3,173	1	0	1	91	3,969	1	0	2	113	3,999	1	0	2	114	2,540	1	0	1	73	
			TSVS	3,310	2	0	0	95	4,140	2	0	0	118	4,172	2	0	0	119	2,650	1	0	0	76	
			T5S	3,360	2	0	2	96	4,203	2	0	0	120	4,235	2	0	0	121	2,690	1	0	0	77	
			T5M	3,320	2	0	1	95	4,153	3	0	1	119	4,184	3	0	1	120	2,658	2	0	0	76	
			TSW	3,327	3	0	1	95	4,161	3	0	1	119	4,193	3	0	1	120	2,663	2	0	1	76	
			T1S	3,927	1	0	1	87	4,913	1	0	1	109	4,950	1	0	1	110	3,144	1	0	1	70	
	T2S	4,000	1	0	1	89	5,004	1	0	1	111	5,042	1	0	1	112	3,203	1	0	1	71			
	T2M	3,924	1	0	1	87	4,908	1	0	1	109	4,945	1	0	1	110	3,141	1	0	1	70			
	T3S	3,953	1	0	1	88	4,945	1	0	1	110	4,982	1	0	1	111	3,165	1	0	1	70			
	T3M	3,991	1	0	1	89	4,994	1	0	2	111	5,031	1	0	2	112	3,196	1	0	1	71			
	T4M	3,971	1	0	1	88	4,967	1	0	2	110	5,005	1	0	2	111	3,179	1	0	1	71			
	TF1M	3,925	1	0	2	87	4,910	1	0	2	109	4,947	1	0	2	110	3,143	1	0	1	70			
	TSVS	4,095	2	0	0	91	5,122	2	0	0	114	5,161	2	0	0	115	3,278	2	0	0	73			
	T5S	4,157	2	0	0	92	5,200	2	0	0	116	5,239	2	0	0	116	3,328	2	0	0	74			
	T5M	4,107	3	0	1	91	5,138	3	0	1	114	5,177	3	0	1	115	3,288	2	0	1	73			
	TSW	4,116	3	0	1	91	5,148	3	0	1	114	5,187	3	0	1	115	3,295	2	0	1	73			
	1000 mA	72 W	T1S	5,387	1	0	1	75	6,739	2	0	2	94	6,790	2	0	2	94						
			T2S	5,488	1	0	1	76	6,865	2	0	2	95	6,917	2	0	2	96						
			T2M	5,382	1	0	2	75	6,733	2	0	2	94	6,784	2	0	2	94						
			T3S	5,423	1	0	1	75	6,784	2	0	2	94	6,835	2	0	2	95						
			T3M	5,475	1	0	2	76	6,850	2	0	2	95	6,901	2	0	2	96						
			T4M	5,447	1	0	2	76	6,814	2	0	2	95	6,866	2	0	2	95						
			TF1M	5,385	1	0	2	75	6,736	1	0	2	94	6,787	1	0	2	94						
			TSVS	5,617	2	0	0	78	7,027	3	0	0	98	7,080	3	0	0	98						
			T5S	5,702	2	0	0	79	7,133	2	0	0	99	7,187	2	0	0	100						
			T5M	5,634	3	0	1	78	7,048	3	0	1	98	7,101	3	0	1	99						
			TSW	5,646	3	0	1	78	7,063	3	0	2	98	7,116	3	0	2	99						
			40C (40 LEDs)	530 mA	68 W	T1S	6,093	2	0	2	90	7,622	2	0	2	112	7,679	2	0	2	113	4,878	1	0
	T2S	6,207				2	0	2	91	7,764	2	0	2	114	7,823	2	0	2	115	4,969	1	0	1	73
	T2M	6,087				2	0	2	90	7,615	2	0	2	112	7,672	2	0	2	113	4,874	1	0	1	72
T3S	6,133	1				0	2	90	7,672	2	0	2	113	7,730	2	0	2	114	4,910	1	0	1	72	
T3M	6,193	2				0	2	91	7,747	2	0	2	114	7,805	2	0	2	115	4,958	1	0	2	73	
T4M	6,161	1				0	2	91	7,707	2	0	2	113	7,765	2	0	2	114	4,932	1	0	2	73	
TF1M	6,090	1				0	2	90	7,618	2	0	2	112	7,676	2	0	2	113	4,876	1	0	2	72	
TSVS	6,353	2				0	0	93	7,947	3	0	0	117	8,007	3	0	0	118	5,086	2	0	0	75	
T5S	6,449	2				0	0	95	8,068	3	0	1	119	8,128	3	0	1	120	5,163	2	0	0	76	
T5M	6,372	3				0	1	94	7,971	3	0	2	117	8,031	3	0	2	118	5,102	3	0	1	75	
TSW	6,385	3				0	2	94	7,988	3	0	2	117	8,048	3	0	2	118	5,112	3	0	1	75	
700 mA	91 W	T1S				7,752	2	0	2	85	9,697	2	0	2	107	9,770	2	0	2	107	6,206	2	0	2
		T2S		7,897	2	0	2	87	9,878	2	0	2	109	9,953	2	0	2	109	6,322	2	0	2	69	
		T2M		7,745	2	0	2	85	9,688	2	0	2	106	9,761	2	0	2	107	6,201	2	0	2	68	
		T3S		7,803	2	0	2	86	9,761	2	0	2	107	9,834	2	0	2	108	6,247	1	0	2	69	
		T3M		7,879	2	0	2	87	9,856	2	0	2	108	9,930	2	0	2	109	6,308	2	0	2	69	
		T4M		7,838	2	0	2	86	9,805	2	0	2	108	9,879	2	0	2	109	6,275	1	0	2	69	
		TF1M		7,748	2	0	2	85	9,693	2	0	3	107	9,765	2	0	3	107	6,203	1	0	2	68	
		TSVS		8,083	3	0	0	89	10,111	3	0	1	111	10,187	3	0	1	112	6,569	2	0	0	72	
		T5S		8,205	3	0	1	90	10,264	3	0	1	113	10,341	3	0	1	114	6,569	2	0	0	72	
		T5M		8,107	3	0	2	89	10,142	3	0	2	111	10,218	3	0	2	112	6,491	3	0	1	71	
		TSW		8,124	3	0	2	89	10,163	4	0	2	112	10,239	4	0	2	113	6,504	3	0	2	71	
		1000 mA		138 W	T1S	10,435	2	0	2	76	13,054	3	0	3	95	13,152	3	0	3	95				
T2S	10,630				2	0	2	77	13,297	3	0	3	96	13,398	3	0	3	97						
T2M	10,426				2	0	2	76	13,042	3	0	3	95	13,140	3	0	3	95						
T3S	10,503				2	0	2	76	13,139	2	0	2	95	13,238	2	0	2	96						
T3M	10,606				2	0	2	77	13,267	3	0	3	96	13,367	3	0	3	97						
T4M	10,551				2	0	2	76	13,199	3	0	3	96	13,298	3	0	3	96						
TF1M	10,430				2	0	3	76	13,047	2	0	3	95	13,146	2	0	3	95						
TSVS	10,881				3	0	1	79	13,611	3	0	1	99	13,714	4	0	1	99						
T5S	11,045				3	0	1	80	13,817	3	0	1	100	13,921	3	0	1	101						
T5M	10,914				4	0	2	79	13,652	4	0	2	99	13,755	4	0	2	100						
TSW	10,936				4	0	2	79	13,680	4	0	2	99	13,783	4	0	2	100						

L90 and R90 Rotated Optics

LEDs	Drive Current (mA)	System Watts	Dist. Type	30K (3000 K, 70 CRI)					40K (4000 K, 70 CRI)					50K (5000 K, 70 CRI)					AMBPC (Amber Phosphor Converted)				
				Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW
30C (30 LEDs)	530 mA	52 W	T1S	4,797	2	0	2	92	6,001	2	0	2	115	6,046	2	0	2	116	3,841	2	0	2	74
			T2S	4,887	2	0	2	94	6,113	2	0	2	118	6,159	3	0	3	118	3,912	2	0	2	75
			T2M	4,793	2	0	2	92	5,996	3	0	3	115	6,041	3	0	3	116	3,837	2	0	2	74
			T3S	4,829	2	0	2	93	6,041	3	0	3	116	6,086	3	0	3	117	3,866	2	0	2	74
			T3M	4,876	3	0	3	94	6,099	3	0	3	117	6,145	3	0	3	118	3,904	2	0	2	75
			T4M	4,851	3	0	3	93	6,068	3	0	3	117	6,114	3	0	3	118	3,884	2	0	2	75
			TFTM	4,795	3	0	3	92	5,998	3	0	3	115	6,043	3	0	3	116	3,839	2	0	2	74
			TSVS	5,002	2	0	0	96	6,258	2	0	0	120	6,305	2	0	0	121	4,005	2	0	0	77
			TSS	5,078	2	0	0	98	6,352	2	0	0	122	6,400	2	0	0	123	4,065	2	0	0	78
			TSM	5,017	3	0	1	96	6,276	3	0	1	121	6,324	3	0	1	122	4,017	2	0	1	77
			TSW	5,028	3	0	1	97	6,289	3	0	2	121	6,337	3	0	2	122	4,025	3	0	1	77
			700 mA	70 W	T1S	5,975	2	0	2	85	7,474	3	0	3	107	7,530	3	0	3	108	4,783	2	0
	T2S	6,086			2	0	2	87	7,614	3	0	3	109	7,671	3	0	3	110	4,873	2	0	2	70
	T2M	5,969			3	0	3	85	7,467	3	0	3	107	7,524	3	0	3	107	4,779	2	0	2	68
	T3S	6,014			3	0	3	86	7,523	3	0	3	107	7,580	3	0	3	108	4,815	2	0	2	69
	T3M	6,072			3	0	3	87	7,596	3	0	3	109	7,654	3	0	3	109	4,862	3	0	3	69
	T4M	6,041			3	0	3	86	7,557	3	0	3	108	7,614	3	0	3	109	4,837	3	0	3	69
	TFTM	5,972			3	0	3	85	7,471	3	0	3	107	7,527	3	0	3	108	4,781	3	0	3	68
	TSVS	6,230			2	0	0	89	7,793	3	0	0	111	7,852	3	0	0	112	4,988	2	0	0	71
	TSS	6,324			2	0	0	90	7,911	3	0	1	113	7,971	3	0	1	114	5,063	2	0	0	72
	TSM	6,249			3	0	1	89	7,817	3	0	2	112	7,876	3	0	2	113	5,003	3	0	1	71
	TSW	6,262			3	0	2	89	7,833	3	0	2	112	7,892	3	0	2	113	5,013	3	0	1	72
	1000 mA	104 W			T1S	7,956	3	0	3	76	9,952	3	0	3	96	10,027	3	0	3	96			
			T2S	8,104	3	0	3	78	10,138	3	0	3	97	10,214	3	0	3	98					
			T2M	7,949	3	0	3	76	9,943	3	0	3	96	10,018	3	0	3	96					
			T3S	8,008	3	0	3	77	10,018	3	0	3	96	10,093	3	0	3	97					
			T3M	8,086	3	0	3	78	10,115	4	0	4	97	10,191	4	0	4	98					
			T4M	8,044	3	0	3	77	10,063	3	0	3	97	10,139	3	0	3	97					
			TFTM	7,952	3	0	3	76	9,948	3	0	3	96	10,022	4	0	4	96					
			TSVS	8,296	3	0	0	80	10,377	3	0	1	100	10,455	3	0	1	101					
TSS			8,421	3	0	1	81	10,534	3	0	1	101	10,613	3	0	1	102						
TSM			8,321	3	0	2	80	10,409	4	0	2	100	10,487	4	0	2	101						
TSW			8,338	4	0	2	80	10,430	4	0	2	100	10,509	4	0	2	101						

FEATURES & SPECIFICATIONS

INTENDED USE

The sleek design of the D-Series Size 0 reflects the embedded high performance LED technology. It is ideal for many commercial and municipal applications, such as parking lots, plazas, campuses, and streetscapes.

CONSTRUCTION

Single-piece die-cast aluminum housing has integral heat sink fins to optimize thermal management through conductive and convective cooling. Modular design allows for ease of maintenance and future light engine upgrades. The LED driver is mounted in direct contact with the casting to promote low operating temperature and long life. Housing is completely sealed against moisture and environmental contaminants (IP65). Low EPA (0.8 ft²) for optimized pole wind loading.

FINISH

Exterior parts are protected by a zinc-infused Super Durable TGIC thermoset powder coat finish that provides superior resistance to corrosion and weathering. A tightly controlled multi-stage process ensures a minimum 3 mils thickness for a finish that can withstand extreme climate changes without cracking or peeling. Available in both textured and non-textured finishes.

OPTICS

Precision-molded proprietary acrylic lenses are engineered for superior area lighting distribution, uniformity, and pole spacing. Light engines are available in standard 4000 K (70 minimum CRI) or optional 3000 K (80 minimum CRI) or 5000 K (70 CRI) configurations. The D-Series Size 0 has zero uplight and qualifies as a Nighttime Friendly™ product, meaning it is consistent with the LEED® and Green Globes™ criteria for eliminating wasteful uplight.

ELECTRICAL

Light engine(s) configurations consist of high-efficacy LEDs mounted to metal-core circuit boards to maximize heat dissipation and promote long life (up to L96/100,000 hours at 25°C). Class 1 electronic drivers are designed to have a power factor >90%, THD <20%, and an expected life of

100,000 hours with <1% failure rate. Easily serviceable 10kV or 6kV surge protection device meets a minimum Category C Low operation (per ANSI/IEEE C62.41.2).

INSTALLATION

Included mounting block and integral arm facilitate quick and easy installation. Stainless steel bolts fasten the mounting block securely to poles and walls, enabling the D-Series Size 0 to withstand up to a 3.0 G vibration load rating per ANSI C136.31. The D-Series Size 0 utilizes the AERIS™ series pole drilling pattern. Optional terminal block, tool-less entry, and NEMA photocontrol receptacle are also available.

LISTINGS

UL Listed for wet locations. Light engines are IP66 rated; luminaire is IP65 rated. Rated for -40°C minimum ambient. U.S. Patent No. D672,492 S. International patent pending.

DesignLights Consortium® (DLC) qualified product. Not all versions of this product may be DLC qualified. Please check the DLC Qualified Products List at www.designlights.org to confirm which versions are qualified.

WARRANTY

Five-year limited warranty. Full 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.



FEATURES & SPECIFICATIONS

CONSTRUCTION

Weldable-grade, hot-rolled, commercial-quality carbon steel tubing with a minimum yield of 55,000 psi (11-gauge), 50,000 psi (7-gauge). Uniform wall thickness of .125" or .188". Shafts are one-piece with a longitudinal electric resistance weld. Uniformly square in cross-section with flat sides, small corner radii and excellent torsion. Available shaft widths are 4", 5" and 6".

Anchor base is fabricated from hot-rolled carbon steel plate that meets or exceeds a minimum yield strength of 36,000 psi. The anchor base is provided with slotted holes. Base cover is finished to match pole.

A handhole having nominal dimensions of 3" x 5" for all shafts. Included is a cover with attachment screws.

Top cap provided with all drill-mount poles.

Fasteners are high-strength galvanized zinc-plated or stainless steel.

FINISH — Dark bronze (DDB) polyester powder standard. Other architectural colors available.

GROUNDING — A nut holder located immediately inside the handhole rim is provided with a 1/2" – 13 UNC ground bolt and nut.

ANCHOR BOLTS — Top portion of anchor bolt is galvanized per ASTM A-153. Made of steel rod having a minimum yield strength of 55,000 psi.

Catalog Number	TYPE T POLE
Notes	

Anchor Base Poles

SSS

SQUARE STRAIGHT STEEL



**T1/T2 - 18'
T3 - 12'**

ORDERING INFORMATION

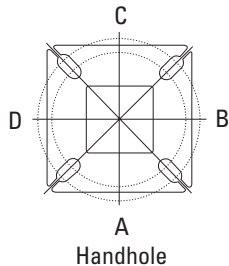
Example: **SSS 20 5C DM19 DDB**

Choose the boldface catalog nomenclature that best suits your needs and write it in the appropriate blank.

SSS

Shaft type	Nominal shaft length	Nominal shaft base size/ wall thickness	Mounting¹	Options
SSS	10 – 39 feet <small>(See back page.)</small>	<small>(See back page.)</small>		

HANDHOLE ORIENTATION



NOTES:

- When ordering tenon mounting and drill mounting for the same pole, follow this example: DM28/T20. The combination requires an extra handhole.
- 3-1/2" and 4" tenons available on 5" and 6" shafts only.
- The drilling template to be used for a particular luminaire depends on the luminaire that is used. Refer to the Technical Data Section of the Outdoor Binder for Drilling Templates.
- Specify location and orientation when ordering option.
For 1st "x": Specify the height in feet above base of pole.
Example: 5ft = 5 and 20ft = 20
For 2nd "x": Specify orientation from handhole (A,B,C,D)
Refer to the Handhole Orientation diagram on this page.
- Horizontal arm is 18" x 2-3/8" O.D. tenon standard.
- Combination of tenon-top and drill mount requires extra handhole.
- Additional colors available; see Architectural Colors brochure, form no. 794.3.

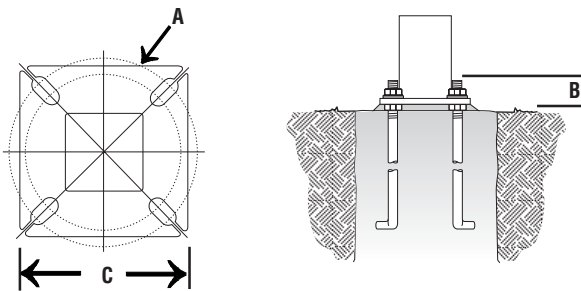
Mounting ¹		Shipped Installed		Architectural Colors <small>(powder finish)⁷</small>	
PT Open top	L/AB Less Anchor Bolts	VD Vibration Damper	Standard Colors	DDB Dark bronze	
T20 2-3/8" O.D. (2" NPS)	TP Tamper Proof	Hxx^{4,5} Horizontal Arm Bracket (1 fixture)	DBL Black	Classic Colors	
T25 2-7/8" O.D. (2-1/2" NPS)	FDLxx⁴ Festoon Outlet less electrical	FGLxx⁴ Festoon GFI Outlet less electrical	DMB Medium bronze	DNA Natural aluminum	
T30² 3-1/2" O.D. (3" NPS)	DM19 1 at 90°	12CPxx⁴ 1/2" Coupling	DSS Sandstone	DGC Charcoal gray	
T35² 4" O.D. (3-1/2" NPS)	DM28 2 at 180°	34CPxx⁴ 3/4" Coupling	DTG Tennis green	DBR Bright red	
Drill Mounting³	DM28PL 2 at 180° with one side plugged	1CPxx⁴ 1" Coupling	DSB Steel blue	GALV Galvanized finish	
DM19AS 1 at 90°	DM29 2 at 90°	12NPxx⁴ 1/2" Threaded Nipple			
DM28AS 2 at 180°	DM39 3 at 90°	34NPxx⁴ 3/4" Threaded Nipple			
DM29AS 2 at 90°	DM49 4 at 90°	1NPxx⁴ 1" Threaded Nipple			
DM39AS 3 at 90°	Aeris Drill Mounting³	HHxx^{4,6} Extra Handhole			
DM49AS 4 at 90°	DM19AS 1 at 90°				
	DM28AS 2 at 180°				
	DM29AS 2 at 90°				
	DM39AS 3 at 90°				
	DM49AS 4 at 90°				

IMPORTANT INSTALLATION NOTES:

- Do not erect poles without having fixtures installed.
- Factory-supplied templates must be used when setting anchor bolts. Lithonia will not accept claim for incorrect anchorage placement due to failure to use factory template.
- If poles are stored outside, all protective wrapping must be removed immediately to prevent finish damage.
- Lithonia is not responsible for the foundation design.
- Installation requires grout to be packed under base to ensure full contact with foundation.

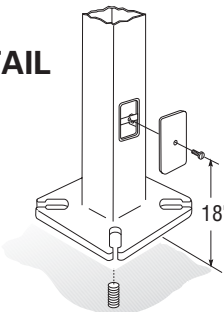
TECHNICAL INFORMATION

Catalog Number	Nominal shaft length (feet)	Pole Shaft Size (in x in x ft)	Wall Thickness (inches)	Gauge	EPA (ft ²) with 1.3 gust						Bolt Circle (inches)	Bolt Size (in. x in. x in.)	Approximate ship weight (pounds)
					80 mph	Max. weight	90 mph	Max. weight	100 mph	Max. weight			
SSS 10 4C	10	4.0 x 10.0	0.125	11	30.6	765	23.8	595	18.9	473	8--9	3/4 x 18 x 3	75
SSS 12 4C	12	4.0 x 12.0	0.125	11	24.4	610	18.8	470	14.8	370	8--9	3/4 x 18 x 3	90
SSS 14 4C	14	4.0 x 14.0	0.125	11	19.9	498	15.1	378	11.7	293	8--9	3/4 x 18 x 3	100
SSS 16 4C	16	4.0 x 16.0	0.125	11	15.9	398	11.8	295	8.9	223	8--9	3/4 x 18 x 3	115
SSS 18 4C	18	4.0 x 18.0	0.125	11	12.6	315	9.2	230	6.7	168	8--9	3/4 x 18 x 3	125
SSS 20 4C	20	4.0 x 20.0	0.125	11	9.6	240	6.7	167	4.5	150	8--9	3/4 x 18 x 3	140
SSS 20 4G	20	4.0 x 20.0	0.188	7	16.5	415	12.25	310	9.3	240	8--9	3/4 x 30 x 3	198
SSS 20 5C	20	5.0 x 20.0	0.125	11	17.7	443	12.7	343	9.4	235	10--12	1 x 36 x 4	185
SSS 20 5G	20	5.0 x 20.0	0.188	7	28.1	703	21.4	535	16.2	405	10--12	1 x 36 x 4	265
SSS 25 4C	25	4.0 x 25.0	0.125	11	4.8	150	2.6	100	1.0	50	8--9	3/4 x 18 x 3	170
SSS 25 4G	25	4.0 x 25.0	0.188	7	10.8	270	7.7	188	5.4	135	8--9	3/4 x 30 x 3	245
SSS 25 5C	25	5.0 x 25.0	0.125	11	9.8	245	6.3	157	3.7	150	10--12	1 x 36 x 4	225
SSS 25 5G	25	5.0 x 25.0	0.188	7	18.0	350	12.6	350	9.0	250	10--12	1 x 36 x 4	320
SSS 30 4G	30	4.0 x 30.0	0.188	7	6.4	160	4.0	100	2.3	58	8--9	3/4 x 30 x 3	295
SSS 30 5C	30	5.0 x 30.0	0.125	11	4.7	150	2.0	50	--	--	10--12	1 x 36 x 4	265
SSS 30 5G	30	5.0 x 30.0	0.188	7	10.7	267	6.7	167	3.9	100	10--12	1 x 36 x 4	380
SSS 30 6G	30	6.0 x 30.0	0.188	7	15.7	392	10.2	257	6.4	160	11--13	1 x 36 x 4	520
SSS 35 5G	35	5.0 x 35.0	0.188	7	5.9	150	2.5	100	--	--	10--12	1 x 36 x 4	440
SSS 35 6G	35	6.0 x 35.0	0.188	7	9.5	237	5.0	150	1.8	50	11--13	1 x 36 x 4	540
SSS 39 6G	39	6.0 x 39.0	0.188	7	5.1	128	1.3	33	--	--	11--13	1 x 36 x 4	605



Shaft Base Size	Bolt Circle A	Bolt Projection B	Base Square C	Anchor Bolt Description	Warehouse Anchor Description	Template Bolt Number
4"C	8-1/2"	2-3/4"-4"	8"	ABSSS-4C	AB18-0	PJ50004
4"G	8-1/2"	2-3/4"-4"	8"	ABSSS-4G	AB30-0	PJ50004
5"	10"-12"	3-3/8"-4"	11"	ABSSS-5	AB36-0	PJ50010
6"	11"-13"	3-3/8"-4"	12-1/2"	ABSSS-6	AB36-0	PJ50011

BASE DETAIL



IMPORTANT:

• These specifications are intended for general purposes only. Lithonia reserves the right to change material or design, without prior notice, in a continuing effort to upgrade its products.

SPECIFICATION SHEET

MODEL: 1447 - 120V Series: Bollards & Beacons

FIXTURE SPECIFICATIONS:

HOUSING:

Die-cast, copper-free aluminum.

POST:

3" diameter, heavy-gauge, extruded aluminum (1/8" wall thickness).

FINISH:

Polyester powder-coat finish available in Black, Verde, Architectural Brick, Architectural Bronze, Light Bronze, Dark Bronze, Granite, Pewter, Terra-cotta, Rust, Hunter Green, Mocha, Weathered Bronze, Weathered Iron, and White.

SOCKET/LAMP HOLDER:

Compact fluorescent thermoplastic socket.

BALLAST:

High-power factor magnetic ballast rated for ±32°F starting, 120-volt standard.

LENS:

Clear, frosted or prismatic threaded and gasketed, tempered glass vapor globe.

LAMP TYPE:

PL- Compact Fluorescent. 22W Maximum. Ballast is integrated into fixture. Please specify ballast type from the fixture ordering information chart. Lamp not included with fixture, order separately.

MOUNTING:

Direct-burial post. (Post extended 12" for in-ground or concrete mounting.)

FASTENERS:

All fasteners are stainless steel.

WIRING:

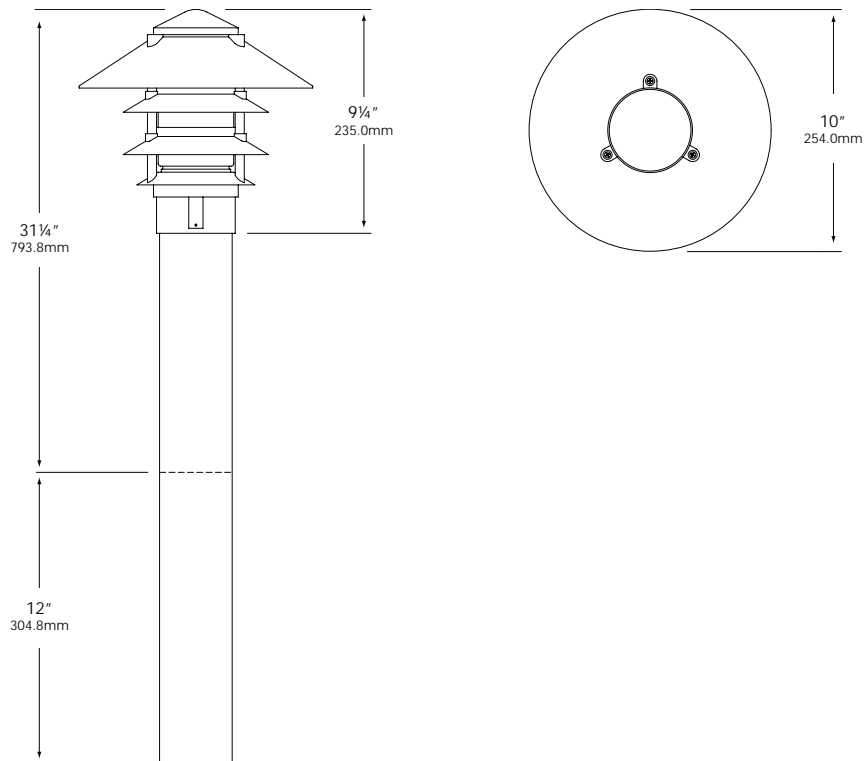
Prewired with 200°C-rated wire along with a grounded lead.

CERTIFICATION:

UL Listed to U.S. and Canadian safety standards for line voltage landscape luminaires (UL 1598). The maximum wattages allowed by Underwriters Laboratories (UL) for the U.S. and Canadian markets may vary. Maximum wattages specified are Underwriters Laboratories U.S. standard. Please contact Vista for any questions about the maximum wattages allowed by UL Canadian standards.

All Vista luminaires are **MADE IN THE U.S.A.**

DIMENSIONS:



Vista Professional Outdoor Lighting reserves the right to modify the design and/or construction of the fixture shown without further notification.

SPECIFICATION SHEET
MODEL: 1447 - 120V Series: Bollards & Beacons
FIXTURE ORDERING INFORMATION

TO ORDER FIXTURE: Select appropriate choice from each column as in the following example

EXAMPLE: 1447-B-CR-13-120

MODEL	FINISH	LENS	INTEGRATED FLUORESCENT BALLAST	
			WATTAGE	VOLTAGE
1447	B - Black G - Verde BR - Architectural Brick Z - Architectural Bronze LZ - Light Bronze DZ - Dark Bronze GT - Granite P - Pewter TC - Terra-cotta R - Rust HG - Hunter Green M - Mocha WB - Weathered Bronze WI - Weathered Iron W - White	CR - Clear lens FR - Frosted lens PR - Prismatic lens	5 7 9 13* 22□	120 208 240 277 MT - Multi-tap

Lamp not included with fixture, order separately. For available lamps, see Lamp Guide, Vista catalog.

* - Ballast available in 120 or 277 volts only.

Vista Professional Outdoor Lighting reserves the right to modify the design and/or construction of the fixture shown without further notification.

TYPE W1

**LED COMPACT FLOODLIGHT
30-WATT LED
(E-CF3L SERIES)**

Applications: Building facades, displays, uplighting and signs. Also effective as security lighting, for storage areas and commercial sites.

Typical Mounting Height: 8 to 15 feet

SIGN LIGHTING



CREE LEDs

4.75"D x 7.75"W x 6"H
Weight: 3.0 lbs.

Catalog #	Description	Input Voltage	Initial Delivered Lumens	CCT	CRI	50K Hours Projected Lumen Maintenance Factor at 25°C ¹	Comparable To:
E-CF3L03C2(*)	30W LED Cool White	120V-277V	3000	5000K	70	76,000 Hours	100W PSMH
E-CF3L03N2(*)	30W LED Neutral White	120V-277V	3000	4000K	70	76,000 Hours	100W PSMH

(*) Specify finish color. Z=Dark Bronze, W=White

¹ Calculated L₇₀ based on 6,048 hours of LM-80 testing: >36,000 hours

Performance

- Estimated 76,000 hours of maintenance-free operation to L₇₀
- Minimum starting temperature: -40°F
- 5-year limited warranty

Construction & Materials

- Durable die-cast aluminum housing
- Polyester powder coat white or dark-bronze finish for extra corrosion protection
- 1/2-inch NPS die-cast swivel fitter included
- Tempered glass lens, thermal shock and impact resistant
- Cree® LEDs inside

Electrical

- Non-dimmable
- Universal voltage (120V through 277V)

Regulatory

- UL listed for wet locations



Due to continuous product improvement, information in this document is subject to change. All published photometric testing performed to IESNA LM-79-08 standards by a NVLAP certified laboratory. Fixture photometry was completed on a single representative fixture. Actual production units may vary up to ±10% of initial delivered lumens. Lumen maintenance values at 25°C (77°F) are calculated per TM-21 based on LM-80 data and in-situ fixture testing.

1501 96th Street, Sturtevant, WI 53177 | Phone (888)243-9445 | Fax (262)504-5409 | www.e-conolight.com

TYPE W2

**PREMIUM LED FLOODLIGHT - SMALL
72-WATT LED
(E-HL5F/S SERIES)**

Applications: Building facades, displays, uplighting and signs. Also effective as security lighting, for storage areas and commercial sites.
Typical Mounting Height: 8 to 20 feet



CREE LEDs



6"D x 10.75"W x 12.25"H
Weight: 8.4 lbs.
(Dimensions include fitter)

FLAG LIGHT

**CHOOSE FROM TWO
HIGH-QUALITY OPTICS**



40° Flood
Perfect for general illumination applications like parking lots and signs.



20° Spot
Use when you need a precise, focused beam of light like accenting architecture.

Catalog #	Description	Input Voltage	Initial Delivered Lumens	Beam Angle/ Photometric Distribution	CCT	CRI	50K Hours Projected Lumen Maintenance Factor at 25°C ¹	Comparable To:
E-HL5F06C2Z	72W LED Cool white	120V-277V	6150	40° Flood	5000K	70	50,000 Hours	150W PSMH
E-HL5F06N2Z	72W LED Neutral white	120V-277V	6150	40° Flood	4000K	70	50,000 Hours	150W PSMH
E-HL5S06C2Z	72W LED Cool white	120V-277V	6150	20° Spot	5000K	70	50,000 Hours	150W PSMH
E-HL5S06N2Z	72W LED Neutral white	120V-277V	6150	20° Spot	4000K	70	50,000 Hours	150W PSMH

¹ Calculated L₇₀ based on 6,048 hours of LM-80 testing: >36,000 hours

Line Current Data

Voltage	Operating Amperes
120V	0.61
277V	0.28



Due to continuous product improvement, information in this document is subject to change. All published photometric testing performed to IESNA LM-79-08 standards by a NVLAP certified laboratory. Fixture photometry was completed on a single representative fixture. Actual production units may vary up to ±10% of initial delivered lumens. Lumen maintenance values at 25°C (77°F) are calculated per TM-21 based on LM-80 data and in-situ fixture testing.

1501 96th Street, Sturtevant, WI 53177 | Phone (888)243-9445 | Fax (262)504-5409 | www.e-conolight.com

TYPE W2

PREMIUM LED FLOODLIGHT - SMALL 72-WATT LED (E-HL5F/S SERIES)

Performance

- Estimated 50,000 hours of maintenance-free operation to L₇₀
- Minimum starting temperature: -40°F
- 5-year limited warranty

Construction & Materials

- Die-cast aluminum housing and lens frame
- Dark Bronze polyester powder-coat finish
- Tempered glass lens, thermal shock and impact resistant
- Precise optical reflector
- Heat dissipating fins
- Suitable for ground mounting, uplighting & downlighting
- 1/2" NPS adjustable fitter included
- Cree® LEDs inside

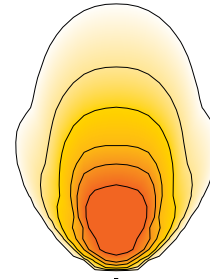
Electrical

- Non-dimmable
- Universal voltage (120V through 277V)

Regulatory

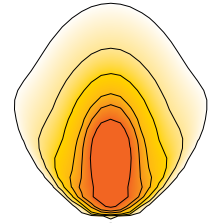
- UL listed for wet locations

Flood



E-HL5F06N2Z fixture mounted at 15 feet with 60° tilt.

Spot



E-HL5S06C2Z fixture mounted at 15 feet with 60° tilt.

TRZP Series

Catalog No.

TYPE W4

Job Name:

Features & Specifications

Material

Reflector hat is made from heavy gauge spun aluminum. Yolk is heavy die cast aluminum. Lens jar is clear tempered glass.

Finish

Thermoset TGIC polyester powder coat paint. Underside of reflector hat is white other surfaces are customer selected color.

Ballast

Electronic (CF) - 120v, normal power factor (NPF), optional 120-277 volt, high power factor (HPF)

Electronic (MH) - 120-277 volt, high power factor
Min. starting temp -30 C / -20F

Magnetic (MH) - 120v, normal power factor (NPF),

Mounting

Mounts to a standard 3' round pole. Intended for mounting 8-12 feet above grade with either mounting plate or direct burial.

Warranty

Two year product warranty, exclusive of lamps.

Features

- Contemporary architectural grade outdoor fixture
- UL wet location listed
- Easy re-lamping
- Available with battery backup
- Dark Sky

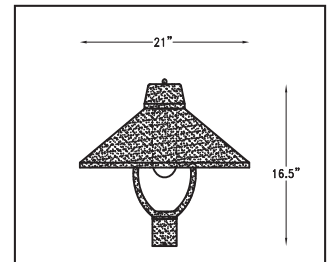
Example: TRZP-21-U-1T42-3-B1

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**PATIO LIGHTING
AND WALKWAY**



TRZP-21
Height - 16 1/2"
Width - 21"
Depth - 21"



Model	Voltage	Lamping	Kelvin	Finish	Diffuser	Options
TRZP-21	A 120V, NPF (Elec) 1 120v (Mag) Optional Voltage See price list for Pricing U 120-277v (Elec)	1Q26 (1) Q-26w Elec 1T32 (1) T-32w Elec 1T42 (1) T-42w Elec M050 50w MH Mag	2 2700K 3 3500K 4 4100K T Clear	B1 Satin Black Optional Finishes See color chart for Pricing		Pole Options See price sheet

28435 Industry Drive., Valencia, CA 91355
 West Coast Sales: 800-325-4448 • fax 800-323-2346
 East Coast Sales: 866-350-0991 • fax 866-490-5754
 www.lightwayind.com • sales@lightwayind.com



Lightway
distinctive fluorescent lighting

POLE Options

Specifications

Pole

Round, steel, seamless, Wall thickness - 14-gauge (.065")

Nominal dimensions:

O.D. - 3.04"

I.D. - 2.88"

Available in 8', 10', 12' and custom lengths

Flange Bases

1/4" steel plate with slots for anchor bolts

Round - 9" diameter (3 anchor bolt attachment)

Square - 9" square (4 anchor bolt attachment)

Decorative Covers

Steel decorative covers attach to flange base (round or square)

Anchor Bolt Set

Consists of hex nut, washer and anchor bolt (3/8" diameter X 9 1/2" long with 1 1/4" thread)

Hand Hole

For flange base attachment only, hand hole is 12" above base with gasket and cover

Installation (consult local building code)

Direct burial - typically 2-feet set in concrete

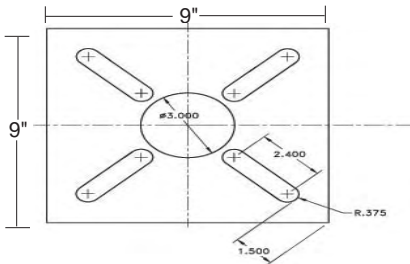
Flange base - mounts to concrete footing

Templates - consult factory

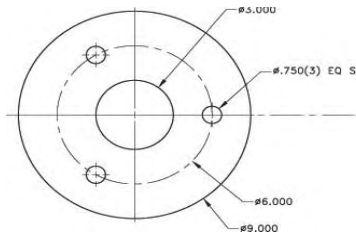
Catalog No.

TYPE W4

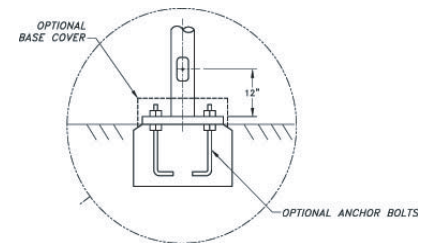
Job Name:



Square Base



Round Base



Typical Flange Installation

Pole Sizes	Description	Direct Buried	Anchor Bolts	Base Cover	Finish	Options
-81	10 foot pole round, 3 inch OD, steel	Yes		N/A	B1 Satin Black	-88 Base Cover
-82	12 foot pole round, 3 inch OD, steel	Yes		N/A		-89 Set of 3 anchor bolts
-86	8 foot pole round, 3 inch OD, steel with 9" round base		3	RD		-90 Set of 4 anchor bolts
-91	10 foot pole round, 3 inch OD, steel with 9" round base		3			-99 Custom length, diameter or configuration
-93	12 foot pole round, 3 inch OD, steel with 9" round base		3			
-87	8 foot pole round, 3 inch OD, steel with 9" square base		4	SQ		
-92	10 foot pole round, 3 inch OD, steel with 9" square base		4			
-94	12 foot pole round, 3 inch OD, steel with 9" square base		4			

Optional Finishes
See color chart
Consult Factory
for Pricing

Consult factory
for pricing

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