

EXTERIOR LIGHT LEVELS CONFORM TO THE ILLUMINATING ENGINEERING SOCIETY (IES) STANDARD LP-2-20 LIGHTING PRACTICE, AND RECOMMENDED PRACTICES RP-33-99 AND RP-20 LIGHTING ENVIRONMENTS AND PARKING LOTS AS SHOWN BELOW:

I. Table of Limits of Illumination, measured in footcandles (fc) at ground level, unless noted.

Task Area	Average	Not to Exceed
Activity Building Entrance	2.5 fc	15 fc
Approach	0.7 fc	5 fc
Stairways	1.0 fc	5 fc

II. Average/Minimum/Uniformity Ratio Limits for Parking Lots.

Public Parking Lots - not to exceed	Average	Minimum	Uniformity Ratio (Max to Min)
	0.8	0.2	20:1 Max to Min

Statistics

Description	Avg	Max	Min	Max/Min	Avg/Min
BUILDING PERIMETER	1.8 fc	15.6 fc	0.0 fc	N/A	N/A
COURTYARD #1	2.9 fc	18.5 fc	0.0 fc	N/A	N/A
COURTYARD #2	4.6 fc	12.1 fc	0.0 fc	N/A	N/A
FRONT ENTRANCE 1	3.8 fc	4.6 fc	2.9 fc	1.6:1	1.3:1
FRONT ENTRANCE 2	2.2 fc	2.8 fc	1.9 fc	1.5:1	1.2:1
PARKING LOT 1	1.1 fc	2.4 fc	0.3 fc	8.0:1	3.7:1
PARKING LOT 2	1.1 fc	3.6 fc	0.3 fc	12.0:1	3.7:1
PROP LINE 10' BEYOND	0.0 fc	0.01 fc	0.00 fc	N/A	N/A
PROPERTY LINE	0.0 fc	0.2 fc	0.0 fc	N/A	N/A
FRONT DRIVE	0.5 fc	2.4 fc	0.0 fc	N/A	N/A
RAMP	2.6 fc	4.4 fc	0.8 fc	5.5:1	3.3:1
SIDEWALK	1.9 fc	8.7 fc	0.1 fc	87.0:1	19.0:1

ELECTRICAL SITE PLAN - PHOTOMETRICS
SCALE: 1" = 30'-0"

architecture
incorporated

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project no.: **19007**

FAIRFAX COUNTY PUBLIC SCHOOLS
LOUISE ARCHER ELEMENTARY SCHOOL RENOVATION

324 NUTLEY ST NW, VIENNA, VA 22180
STATE PROJECT NO. 028-11-00-101

Project: 20002-01

Issued 11/10/2021

PERMIT REVISION

Revisions

Permit Rev 1 11/10/21

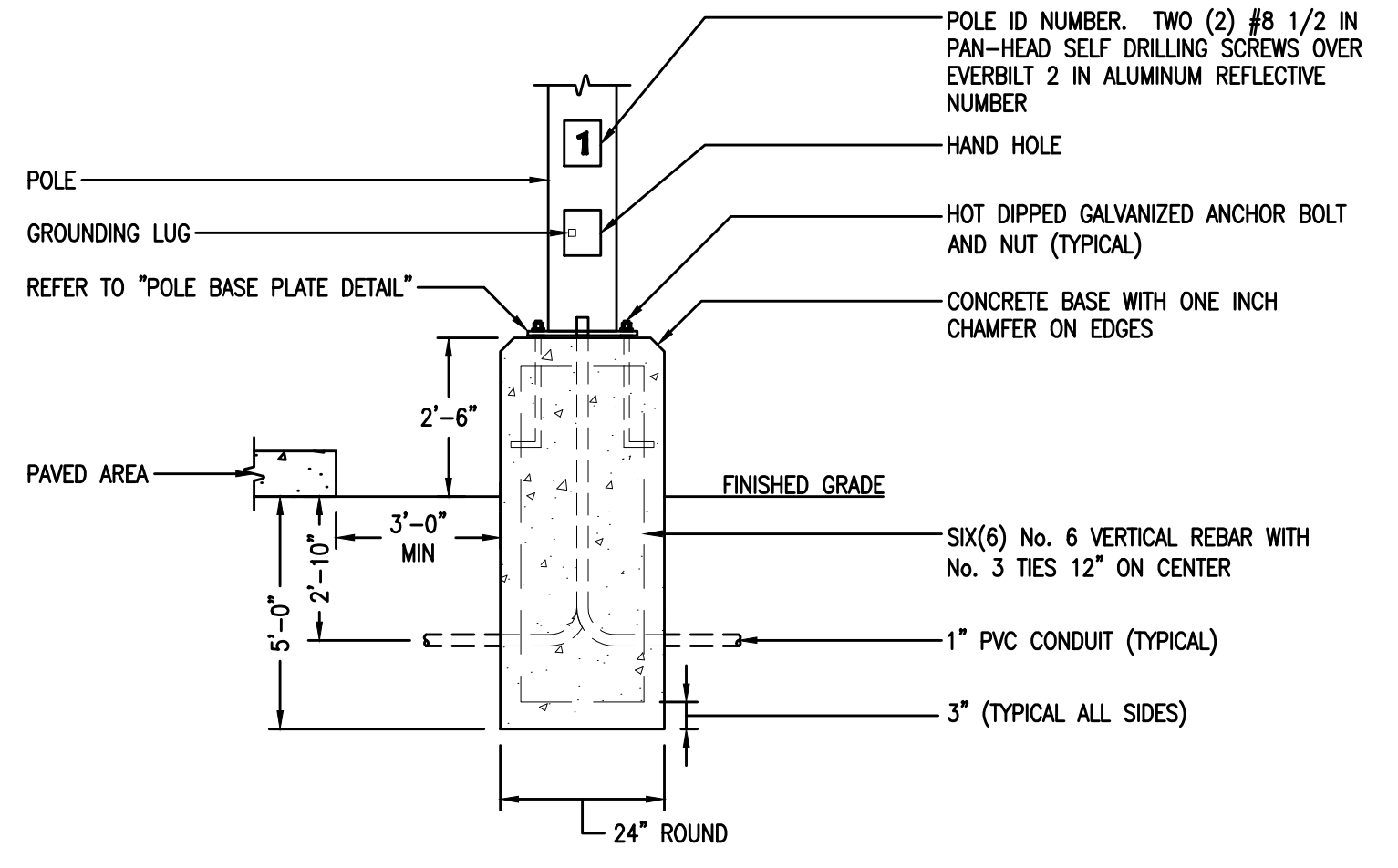
COMMONWEALTH OF VIRGINIA
WILLIAM JOHN MARTIN
Lic. No. 0402060689
11/10/2021
PROFESSIONAL ENGINEER

ELECTRICAL SITE PLAN - PHOTOMETRICS

Scale As Indicated
Drawn
Checked

E1.2A

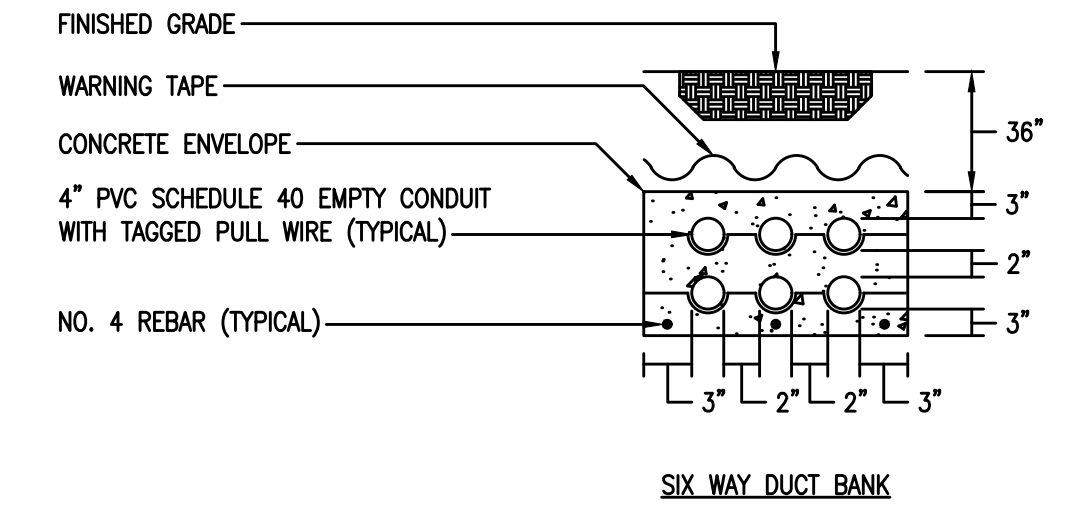
PRE-BID SUBMISSION



NOTES:
 1. CONTRACTOR SHALL FINISH BASE TO REMOVE ALL CONCRETE FORM IMPERFECTIONS.
 2. CONTRACTOR SHALL PAINT THE POLE BASE WITH TRAFFIC MARKING PAINT. REFER TO SPECIFICATION SECTION 02510 2.01J FOR DETAIL.

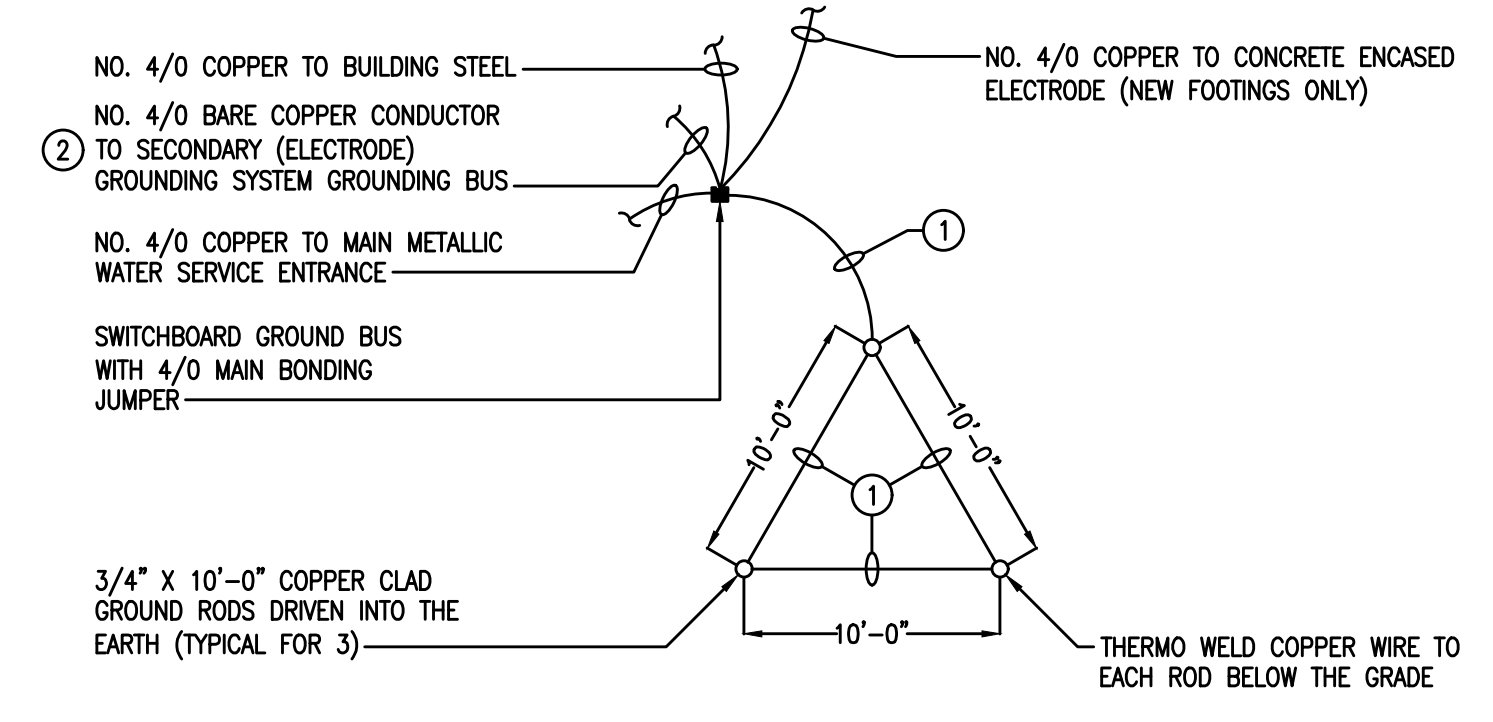
SITE LIGHTING POLE BASE DETAIL TYPE 2
 NO SCALE

SP-004
 UPDATED: 08-21
 BOND: 11-21



ELECTRICAL SECONDARY SERVICE ENTRANCE DUCT BANK DETAIL
 NO SCALE

SP-002
 UPDATED: 11-17

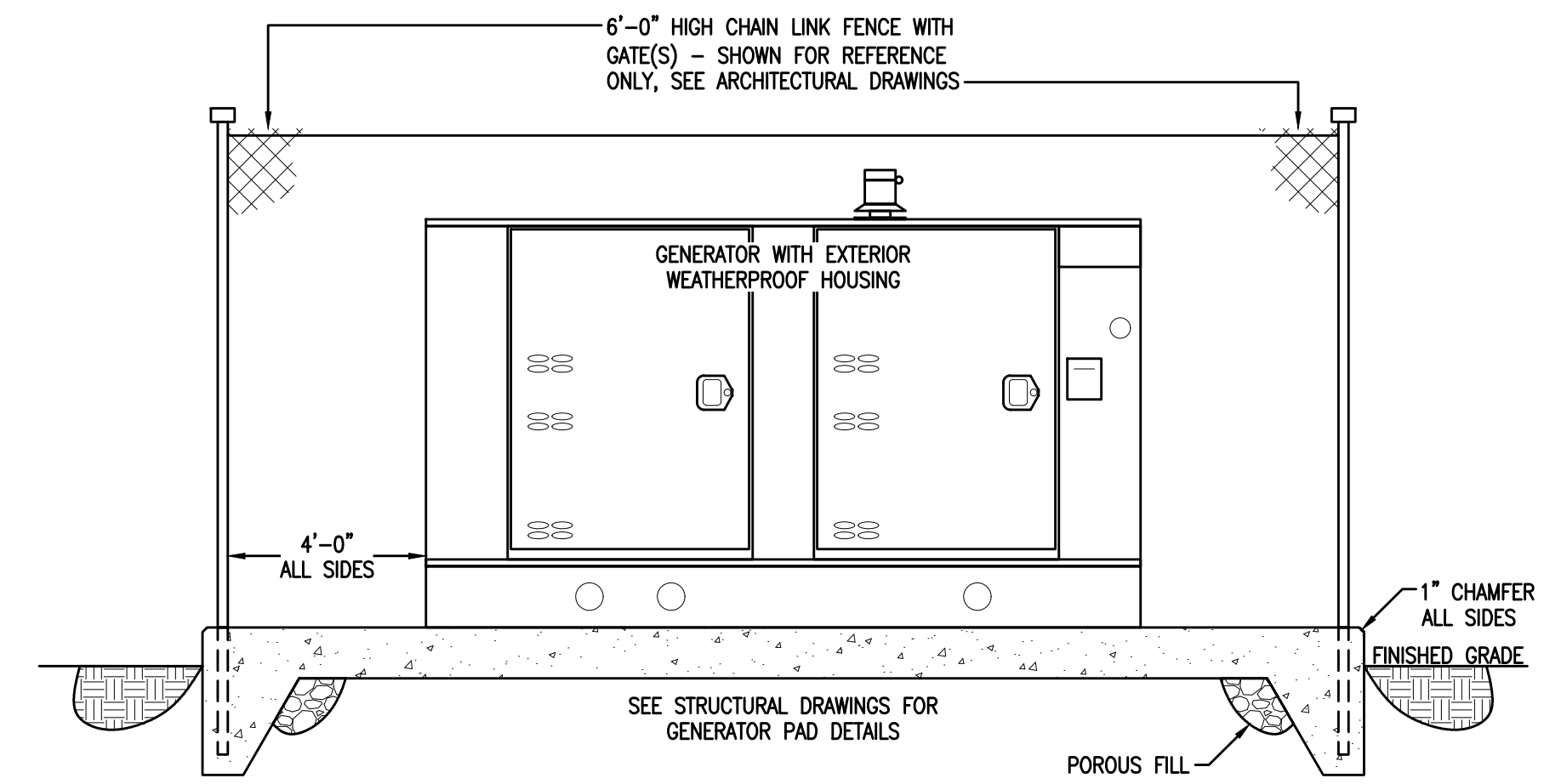


NOTES: FURNISH AND INSTALL ADDITIONAL GROUND RODS AS REQUIRED TO ACHIEVE 5 OHMS OR LESS RESISTANCE. RODS SHALL BE LOCATED IN UNPAVED AREAS.

- ① 4/0 BARE COPPER CONDUCTOR, FURNISH AND INSTALL 1\"/>

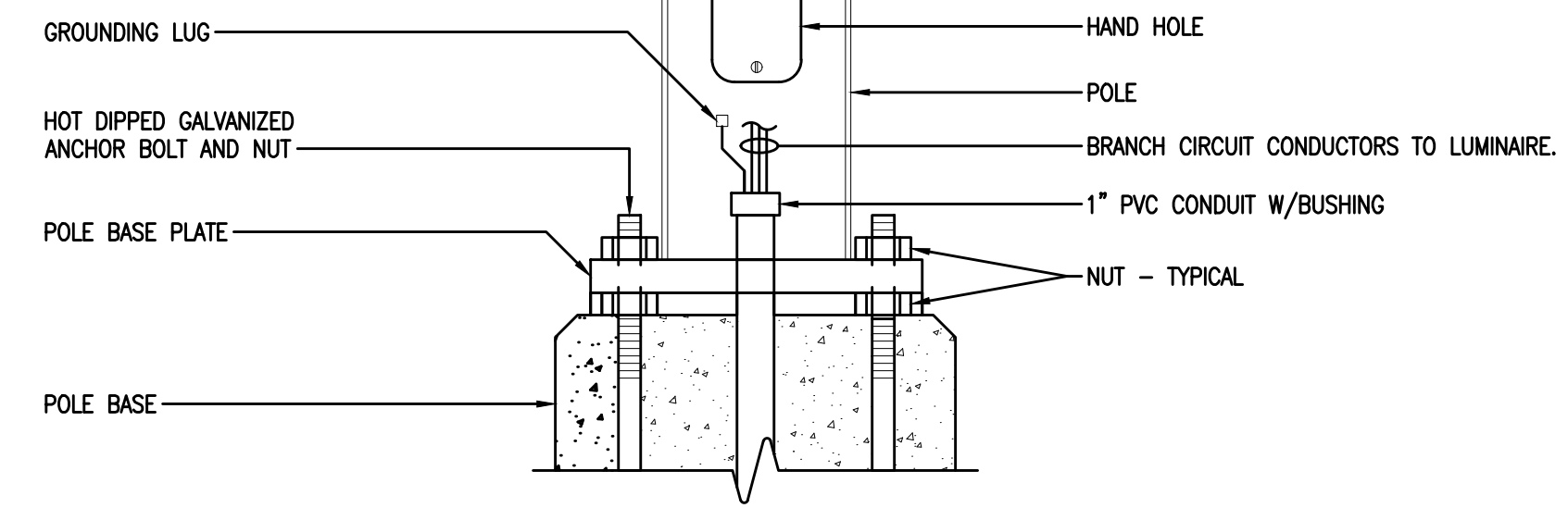
SP-001
 UPDATED: 09-21
 BOND: 11-21

MAIN GROUNDING SYSTEM DETAIL
 NO SCALE



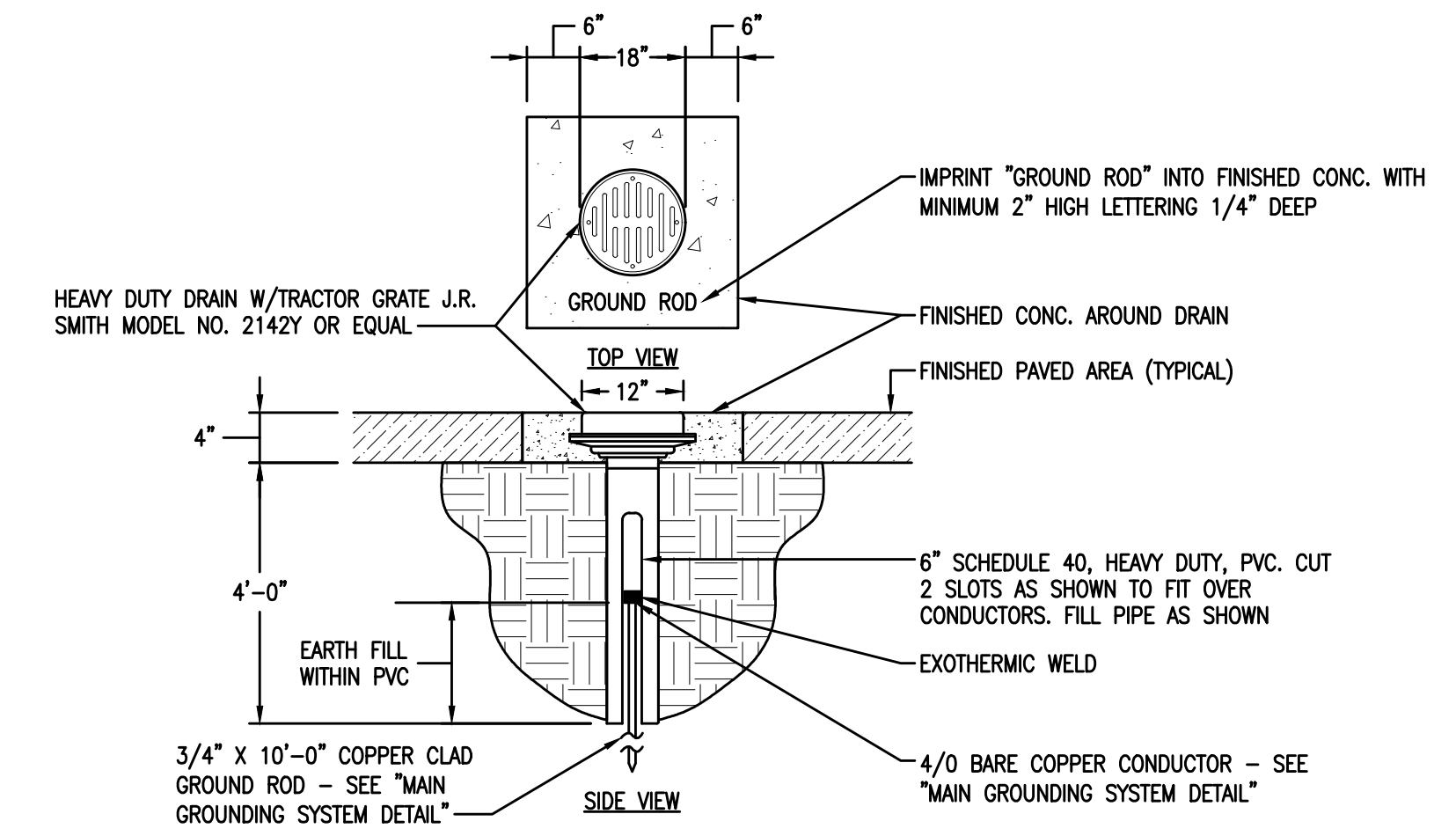
EMERGENCY GENERATOR PAD MOUNTING DETAIL
 NO SCALE

SP-013
 UPDATED: 11-21
 BOND: 11-21



POLE BASE PLATE DETAIL
 NO SCALE

SP-005
 UPDATED: 11-21
 BOND: 11-21



MAIN GROUNDING SYSTEM FINISHED PAVED AREA INSTALLATION DETAIL
 NO SCALE

SP-009
 UPDATED: 11-21
 BOND: 11-21

SITE LUMINAIRE SCHEDULE

TYPE	MANUFACTURER	CATALOG NO.	LAMPS			MOUNTING	REMARKS
			NO.	WATTS	VOLTS		
C3	CREE						
	COOPER	TNU-E04-LED-D-U-T3-BZ-7030 complete with UNITED LIGHTING STANDARDS, INC. "SSA" series pole					
	GARDOCO	GL18-DIM-3-10SLA-WW-UNV-BRP complete with UNITED LIGHTING STANDARDS, INC. "SSA" series pole.					
	GENERAL ELEC.	EAL503F3AN730NAD1DKBZ complete with VALMONT "2500" series pole					
	LITHONIA	DSX1 LED-P3-30K-T3M-MVOLT-SPA-DMG-DDBXD COMPLETE WI HAPCO SERIES SSA POLE POLE					
	MCGRAW-EDISON	GLEON-AF-02-LED-E1-T3-BZ-7030 complete with GENERAL STRUCTURES CPS-1 Pole.					
SPALDING	CL1-A-60L-U-3K-3-DB-CD complete with SPAULDING "SSA" series pole.						
C3B	CREE						
	COOPER	TNU-E04-LED-D-U-T3-BZ-7030 complete with UNITED LIGHTING STANDARDS, INC. "SSA" series pole					
	GARDOCO	GL18-DIM-3-10SLA-WW-UNV-BRP complete with UNITED LIGHTING STANDARDS, INC. "SSA" series pole.					
	GENERAL ELEC.	EAL503F3AN730NAD1DKBZ complete with VALMONT "2500" series pole					
	LITHONIA	DSX1 LED-P3-30K-BLC-MVOLT-SPA-DMG-DDBXD COMPLETE WI HAPCO SERIES SSA POLE POLE					
	MCGRAW-EDISON	GLEON-AF-03-LED-E1-SL3-BZ-7030 complete with GENERAL STRUCTURES CPS-1 Pole.					
SPALDING	CL1-A-60L-U-3K-3-DB-BC complete with SPAULDING "SSA" series pole.						
C3L	CREE						
	COOPER	TNU-E04-LED-D-U-T3-BZ-7030-LB complete with UNITED LIGHTING STANDARDS, INC. "SSA" series pole					
	GARDOCO	GL18-DIM-3-30-10SLA-WW-UNV-BRP complete with UNITED LIGHTING STANDARDS, INC. "SSA" series pole.					
	GENERAL ELEC.	EAL503F3AN730NAD1DKBZ S1 complete with VALMONT "2500" series pole					
	LITHONIA	DSX1 LED-P3-30K-LCCO-MVOLT-SPA-DMG-DDBXD COMPLETE WI HAPCO SERIES SSA POLE POLE					
	MCGRAW-EDISON	GLEON-AF-02-LED-E1-SL1-BZ-7030 complete with GENERAL STRUCTURES CPS-1 Pole.					
SPALDING	CL1-A-60L-U-3K-3R-DB-CD complete with SPAULDING "SSA" series pole.						
C3R	CREE						
	COOPER	TNU-E04-LED-D-U-T3-BZ-7030-R90 complete with UNITED LIGHTING STANDARDS, INC. "SSA" series pole					
	GARDOCO	GL18-DIM-3-270-10SLA-WW-UNV-BRP complete with UNITED LIGHTING STANDARDS, INC. "SSA" series pole.					
	GENERAL ELEC.	EAL503F3AN730NAD1DKBZ S2 complete with VALMONT "2500" series pole					
	LITHONIA	DSX1 LED-P3-30K-RCCO-MVOLT-SPA-DMG-DDBXD COMPLETE WI HAPCO SERIES SSA POLE POLE					
	MCGRAW-EDISON	GLEON-AF-02-LED-E1-SLR-BZ-7030 complete with GENERAL STRUCTURES CPS-1 Pole.					
SPALDING	CL1-A-60L-U-3K-3L-DB-CD complete with SPAULDING "SSA" series pole.						

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 project no.: 19009

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 ELEMENTARY SCHOOL
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 WILLIAM JOHN MARTIN
 Lic. No. 0402060689
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 PROFESSIONAL ENGINEER

ELECTRICAL SITE PLAN - DETAILS

Scale As Indicated
 Drawn
 Checked

E1.3

PRE-BID SUBMISSION

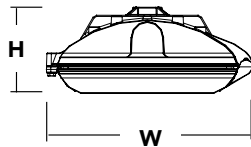
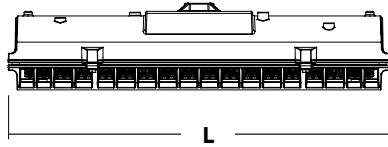
D-Series LED Surface Canopy



d"series

Specifications

Length:	17-3/4" (45.1 cm)
Width:	8-1/2" (21.6 cm)
Height:	3-7/16" (8.7 cm)
Weight (max):	16 lbs (7.3 kg)



Introduction

The D-Series LED Surface Canopy luminaire is ideal for covered walkways or drive-thrus, semi-covered outdoor aisles, and walk-in coolers and freezers. Its five optical choices provide the design flexibility to potentially reduce luminaire counts while still meeting IES criteria, lowering overall energy consumption.

Its expected service life of over 100,000 hours (20 years of nighttime operation) combined with the available motion/ambient sensor offers an extremely low maintenance solution that yields quick payback.

Ordering Information

EXAMPLE: DSXSCL 20C 700 40K T5M MVOLT SRM DWHXD

DSXSCL LED	Series	LEDs	Drive current	Color temperature	Distribution	Voltage	Mounting
DSXSCL LED	10C	10 LEDs (one engine) ^{1,2}	350 350 mA	30K 3000 K	T5E Type V, entryway ⁴	MVOLT ⁵ 277 ⁵	Shipped included SRM Surface mount (12-inch length supply leads)
	20C	20 LEDs (two engines)	530 530 mA	40K 4000 K	T5M Type V, medium	120 ⁵ 347 ⁶	
	30C	30 LEDs (three engines)	700 700 mA	50K 5000 K	T5W Type V, wide	208 ⁵ 480 ⁶	
			1000 1000 mA (1 A)	AMBPC Amber phosphor converted ³	T5R Type V, rectangular ASY Asymmetric	240 ⁵	

Options							Finish (required)
Shipped installed						Shipped separately	DWHXD White
HS	House-side shield (housing visor) ⁷		PIRH3FC3V	Motion/ambient sensor for 15-30' mounting heights and typical applications requiring daylight harvesting and Title 24 compliance ¹³		BDS Bird shroud ⁷	DNAXD Natural aluminum
SF	Single fuse (120, 277, 347V) ^{8,9}		XAD	XPoint™ Wireless enabled ¹²			DOBXD Dark bronze
DF	Double fuse (208, 240, 480V) ^{8,9}		XAD924	XPoint™ Wireless enabled for emergency circuit ^{12,14,15}			
SPD	Separate surge protection ¹⁰		XAD PIR	XPoint™ Wireless enabled motion/ambient sensor for 8-15' mounting heights ^{12,15}			
DMG	External 0-10V dimming leads (no controls) ^{11,12}		XAD PIRH	XPoint™ Wireless enabled motion/ambient sensor for 15-30' mounting heights ^{12,15}			
PIR	Motion/ambient sensor for 8-15' mounting heights ¹³		XAD PIRH	XPoint™ Wireless enabled motion/ambient sensor for 15-30' mounting heights ^{12,15}			
PIRH	Motion/ambient sensor for 15-30' mounting heights ¹³		XAD924 PIR	XPoint™ Wireless enabled motion/ambient sensor for emergency circuits for 8-15' mounting heights ^{12,14,15}			
PIRH3FC3V	Motion/ambient sensor for 8-15' mounting heights and for typical applications requiring daylight harvesting and Title 24 compliance ¹³		XAD924 PIRH	XPoint™ Wireless enabled motion/ambient sensor for emergency circuits for 15-30' mounting heights ^{12,14,15}			

Accessories

Ordered and shipped separately.

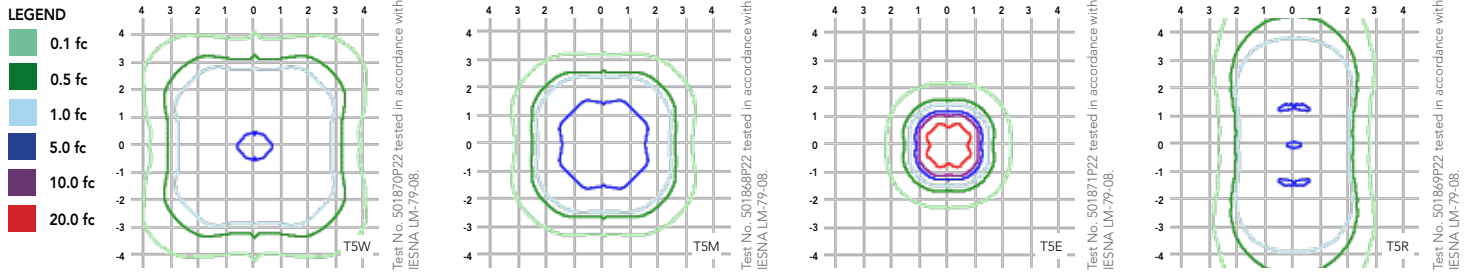
DSXSCHS U	House-side shield (1 per light engine)
DSXSCLBDSJ DWHXD U	Bird shroud for SRM on surface J-box only, white (specify finish)

NOTES

- Available with 700mA or 1000mA option only.
- Not available with 347 or 480V.
- AMBPC only available with 530mA or 700mA.
- DesignLights Consortium qualified.
- MVOLT driver operates on any line voltage from 120-277V (50/60 Hz). Specify 120, 208, 240 or 277 options only when ordering with fusing (SF, DF options).
- N/A with one light engine (10C). Only available with 700mA or 1000mA.
- Also available as a separate accessory; see Accessories information at left.
- Single fuse (SF) requires 120, 277 or 347 voltage option. Double fuse (DF) requires 208, 240 or 480 voltage option.
- Not available with XAD or XAD924 options.

- See the electrical section on page 3 for more details.
- DMG not available with all PIR or XAD options
- Dimming driver standard. Available in layouts up to 30'. Not available with fusing.
- PIR & PIR3FC3V specifies the Acuity Controls **SBOR 10 ODP** motion/ambient sensor, the PIRH & PIRH3FC3V specifies the Acuity Controls **SBOR 6 ODP** motion/ambient sensor.
- XAD924 specifies the Acuity Controls XPA RL1 DSI EM XPoint wireless light controller as a UL924 listed device for emergency lighting.
- XAD PIR specifies the Acuity Controls **XPA SBOR10** wireless controller, the XAD924 PIR specifies the Acuity Controls **XPA SBOR10_EM** wireless controller, the XAD PIRH specifies the Acuity Controls **XPA SBOR6** wireless controller, and the XAD924 PIRH specifies the **XPA SBOR10_EM** wireless controller.

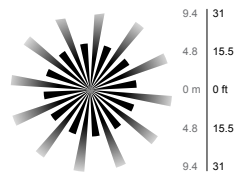
Isofootcandle plots for the DSXSC LED 30C 700 40K. Distances are in units of mounting height (8').



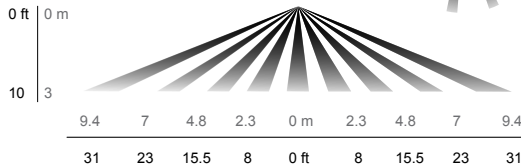
Motion Sensing

The motion/ambient sensor options (PIR360SS or PIRH360SS) have 360° of passive infrared sensing and adjustable bi-level dimming to save energy when there are no occupants.

TOP VIEW

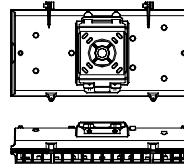


SIDE VIEW



Mounting Options

Surface Mounting



FEATURES & SPECIFICATIONS

INTENDED USE

The energy savings, long life, and easy-to-install design of the D-Series LED Surface Canopy luminaire make it the smart choice for canopy lighting in commercial, industrial and institutional applications with mounting heights of 8-15'.

CONSTRUCTION

Two-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 drivers are mounted in direct contact with the casting to promote low operating temperature and long life. Housing is completely sealed against moisture and environmental contaminants (IP66) and is suitable for hose-down.

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.

OPTICS

Precision-molded proprietary acrylic lenses provide five different photometric distributions suited to a variety of canopy and walkway applications. Light engines are available in 3000 K (80 min. CRI), 4000 K (70 min. CRI) or 5000 K (65 min. CRI) configurations.

ELECTRICAL

Light engines consist of 10 high-efficacy LEDs mounted to a metal-core circuit board to maximize heat dissipation and promote long life. The electronic driver has a power factor of >90%, THD <20%, and a minimum 2.5 KV surge rating. When ordering the SPD option, a separate surge protection device is installed within the luminaire which meets a minimum Category C low operation (per ANSI/IEEE C62.41.2).

INSTALLATION

Mounts to a 4x4" recessed or surface mount outlet box using a quick-mount kit (included); kit contains galvanized steel luminaire and outlet box plates and a full pad gasket. Kit has an integral mounting support that allows the luminaire to hinge down for easy electrical connections. Luminaire and plates are secured with captive screws. Supply leads are 12" in length as standard. For longer supply leads, please consult factory.

LISTINGS

CSA certified to U.S. and Canadian standards. Light engines and luminaire are IP66 rated. Rated for -40°C minimum ambient.

WARRANTY

5-year limited warranty

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.



WST LED

Architectural Wall Sconce



Catalog Number
Notes
Type

Hit the Tab key or mouse over the page to see all interactive elements.

A+ Capable Luminaire

This item is an A+ capable luminaire, which has been designed and tested to provide consistent color appearance and system-level interoperability.

- All configurations of this luminaire meet the Acuity Brands' specification for chromatic consistency
- This luminaire is A+ Certified when ordered with DTL® controls marked by a **shaded background**. DTL DLL equipped luminaires meet the A+ specification for luminaire to photocontrol interoperability¹
- This luminaire is part of an A+ Certified solution for ROAM® or XPoint™ Wireless control networks, providing out-of-the-box control compatibility with simple commissioning, when ordered with drivers and control options marked by a **shaded background**¹

To learn more about A+, visit www.acuitybrands.com/aplus.

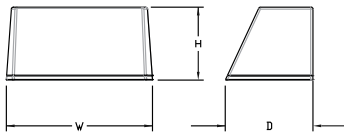
See ordering tree for details.

A+ Certified Solutions for ROAM require the order of one ROAM node per luminaire. Sold Separately: [Link to Roam](#); [Link to DTL DLL](#)

Specifications

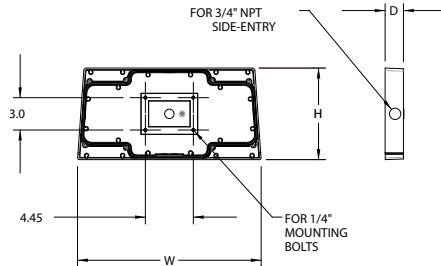
Luminaire

- Height:** 8-1/2"
(21.59 cm)
- Width:** 17"
(43.18 cm)
- Depth:** 10-3/16"
(25.9 cm)
- Weight:** 20 lbs
(9.1 kg)



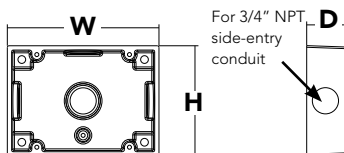
Optional Back Box (PBBW)

- Height:** 8.49"
(21.56 cm)
- Width:** 17.01"
(43.21 cm)
- Depth:** 1.70"
(4.32 cm)



Optional Back Box (BBW)

- Height:** 4"
(10.2 cm)
- Width:** 5-1/2"
(14.0 cm)
- Depth:** 1-1/2"
(3.8 cm)



Ordering Information

EXAMPLE: WST LED P1 40K VF MVOLT DDBTXD

WST LED								
Series	Performance Package	Color temperature		Distribution	Voltage		Mounting	
WST LED	P1	1,500 Lumen package	27K	2700 K	VF	Visual comfort forward throw	MVOLT ¹ 277 ²	Shipped included (blank) Surface mounting bracket Shipped separately BBW Surface-mounted back box ³ PBBW Premium surface-mounted back box ^{3,4}
	P2	3,000 Lumen package	30K	3000 K	VW	Visual comfort wide	120 ³ 347 ²	
	P3	6,000 Lumen package	40K	4000 K			208 ² 480 ²	
			50K	5000 K			240 ²	

Options				Finish (required)			
NLTAIR2 PIR	nLIGHT AIR Wireless enabled motion/ambient sensor for 8'-15' mounting heights ^{5,6,7}	E7WC	Emergency battery backup, CA Title 20 Noncompliant (cold, 7W) ^{7,12}	DDBXD	Dark bronze		
NLTAIR2 PIRH	nLIGHT AIR Wireless enabled motion/ambient sensor for 15'-30' mounting heights ^{5,6,7}	E7WHR	Remote emergency battery backup, CA Title 20 Noncompliant (remote 7W) ^{7,13}	DBLXD	Black		
PE	Photoelectric cell, button type ⁸	E20WH	Emergency battery pack 18W constant power, Certified in CA Title 20 MAEDBS ⁷	DNAXD	Natural aluminum		
PER	NEMA twist-lock receptacle only (controls ordered separate) ⁹	E20WC	Emergency battery pack -20°C 18W constant power, Certified in CA Title 20 MAEDBS ^{7,12}	DWHXD	White		
PER5	Five-wire receptacle only (controls ordered separate) ⁹	E23WHR	Remote emergency battery backup, CA Title 20 Noncompliant (remote 20W) ^{7,12,14}	DSSXD	Sandstone		
PER7	Seven-wire receptacle only (controls ordered separate) ⁹	LCE	Left side conduit entry ¹⁵	DBBXTD	Textured dark bronze		
PIR	Motion/Ambient Light Sensor, 8-15' mounting height ^{5,6}	RCE	Right side conduit entry ¹⁵	DBLXTD	Textured black		
PIR1FC3V	Motion/ambient sensor, 8-15' mounting height, ambient sensor enabled at 1fc ^{5,6}	BAA	Buy America(n) Act Compliant	DNATXD	Textured natural aluminum		
PIRH	180° motion/ambient light sensor, 15-30' mounting height ^{5,6}	Shipped separately		DWHGXD	Textured white		
PIRH1FC3V	Motion/ambient sensor, 15-30' mounting height, ambient sensor enabled at 1fc ^{5,6}	RBPW	Retrofit back plate ³	DSSTXD	Textured sandstone		
SF	Single fuse (120, 277, 347V) ²	VG	Vandal guard ¹⁵				
DF	Double fuse (208, 240, 480V) ²	WG	Wire guard ¹⁵				
DS	Dual switching ¹⁰						
DMG	0-10V dimming extend out back of housing for external control (control ordered separate) ¹¹						
E7WH	Emergency battery backup, Non CEC compliant (7W) ⁷						

Accessories

Ordered and shipped separately.

WSTVCPBBW DDBXD U	Premium Surface - mounted back box
WSBBW DDBTXD U	Surface - mounted back box
RBPW DDBXD U	Retrofit back plate
DLL127F 1.5 JU	Photocell - SSL twist-lock (120-277V) ¹⁷
DLL347F 1.5 CUL JU	Photocell - SSL twist-lock (347V) ¹⁷
DLL480F 1.5 CUL JU	Photocell - SSL twist-lock (480V) ¹⁷

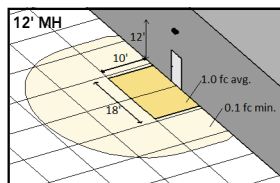
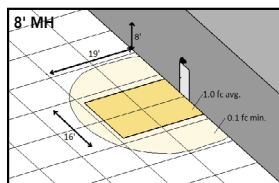
NOTES

- MVOLT driver operates on any line voltage from 120-277V (50/60 Hz).
- Single fuse (SF) requires 120V, 277V or 347V. Double fuse (DF) requires 208V, 240V or 480V.
- Also available as a separate accessory; see accessories information.
- Top conduit entry standard.
- Not available with VG or WG. See PER Table.
- Reference Motion Sensor table.
- Not available with 347/480V.
- Need to specify 120, 208, 240 or 277 voltage.
- Photocell ordered and shipped as a separate line item from Acuity Brands Controls. Shorting Cap included.
- Not available with Emergency options, PE or PER options.
- DMG option not available with standalone or networked sensors/controls.
- Battery pack rated for -20° to 40°C.
- Comes with PBBW.
- Warranty period is 3-years.
- Not available with BBW.
- Must order with fixture; not an accessory.
- Requires luminaire to be specified with PER, PER5 or PER7 option. See PER Table.

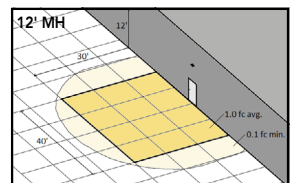
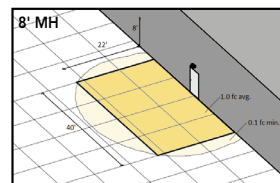
Emergency Battery Operation

The emergency battery backup is integral to the luminaire — no external housing required! This design provides reliable emergency operation while maintaining the aesthetics of the product. All emergency backup configurations include an independent secondary driver with an integral relay to immediately detect AC power loss, meeting interpretations of [NFPA 70/NEC 2008 - 700.16](#). The emergency battery will power the luminaire for a minimum duration of 90 minutes (maximum duration of three hours) from the time supply power is lost, per [International Building Code Section 1006](#) and [NFPA 101 Life Safety Code Section 7.9](#), provided luminaires are mounted at an appropriate height and illuminate an open space with no major obstructions. The examples below show illuminance of 1 fc average and 0.1 fc minimum of the P1 power package and VF distribution product in emergency mode.

10' x 10' Gridlines
8' and 12' Mounting Height



WST LED P1 27K VF MVOLT E7WH



WST LED P2 40K VF MVOLT E20WH

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	1.03
10°C	50°F	1.02
20°C	68°F	1.01
25°C	77°F	1.00
30°C	86°F	0.99
40°C	104°F	0.98

Electrical Load

Performance package	System Watts	Current (A)					
		120	208	240	277	347	480
P1	11	0.1	0.06	0.05	0.04	---	---
	14	---	---	---	---	0.04	0.03
P1 DS	14	0.12	0.07	0.06	0.06	---	---
	P2	25	0.21	0.13	0.11	0.1	---
30		---	---	---	---	0.09	0.06
P2 DS	25	0.21	0.13	0.11	0.1	---	---
	P3	50	0.42	0.24	0.21	0.19	---
56		---	---	---	---	0.16	0.12
P3 DS	52	0.43	0.26	0.23	0.21	---	---

Projected LED Lumen Maintenance

Values calculated according to IESNA TM-21-11 methodology and valid up to 40°C.

Operating Hours	0	25,000	50,000	100,000
Lumen Maintenance Factor	1.0	>0.95	>0.92	>0.87

Motion Sensor Default Settings

Option	Dimmed State	High Level (when triggered)	Photocell Operation	Ramp-up Time	Dwell Time	Ramp-down Time
*PIR or PIRH	3V (37%) Output	10V (100%) Output	Enabled @ 5FC	3 sec	5 min	5 min
PIR1FC3V or PIRH1FC3V	3V (37%) Output	10V (100%) Output	Enabled @ 1FC	3 sec	5 min	5 min

*for use with site wide Dusk to Dawn control

PER Table

Control	PER (3 wire)	PER5 (5 wire)		PER7 (7 wire)		
			Wire 4/Wire5		Wire 4/Wire5	Wire 6/Wire7
Photocontrol Only (On/Off)	✓	⚠	Wired to dimming leads on driver	⚠	Wired to dimming leads on driver	Wires Capped inside fixture
ROAM	⊘	✓	Wired to dimming leads on driver	⚠	Wired to dimming leads on driver	Wires Capped inside fixture
ROAM with Motion	⊘	⚠	Wired to dimming leads on driver	⚠	Wired to dimming leads on driver	Wires Capped inside fixture
Futureproof*	⊘	⚠	Wired to dimming leads on driver	✓	Wired to dimming leads on driver	Wires Capped inside fixture
Futureproof* with Motion	⊘	⚠	Wired to dimming leads on driver	✓	Wired to dimming leads on driver	Wires Capped inside fixture

✓ Recommended

⊘ Will not work

⚠ Alternate

*Futureproof means: Ability to change controls in the future.

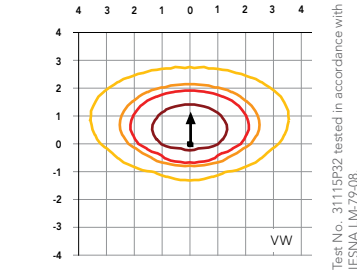
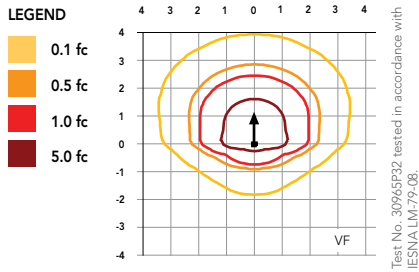
Lumen Output

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.

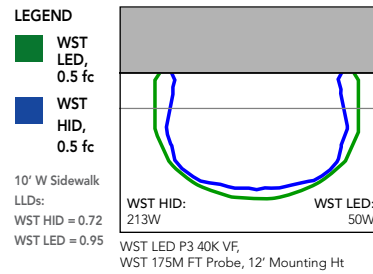
Performance Package	System Watts (MVOLT*)	Dist. Type	27K (2700K, 70 CRI)					30K (3000K, 70 CRI)					40K (4000K, 70 CRI)					50K (5000K, 70 CRI)				
			Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW
P1	12W	VF	1,494	0	0	0	125	1,529	0	0	0	127	1,639	0	0	0	137	1,639	0	0	0	137
		VW	1,513	0	0	0	126	1,548	0	0	0	129	1,659	0	0	0	138	1,660	0	0	0	138
P2	25W	VF	3,163	1	0	1	127	3,237	1	0	1	129	3,469	1	0	1	139	3,468	1	0	1	139
		VW	3,201	1	0	0	128	3,276	1	0	0	131	3,512	1	0	0	140	3,512	1	0	0	140
P3	50W	VF	6,025	1	0	1	121	6,165	1	0	1	123	6,609	1	0	1	132	6,607	1	0	1	132
		VW	6,098	1	0	1	122	6,240	1	0	1	125	6,689	1	0	1	134	6,691	1	0	1	134



Isofootcandle plots for the WST LED P3 40K VF and VW. Distances are in units of mounting height (10').



Distribution overlay comparison to 175W metal halide.



FEATURES & SPECIFICATIONS

INTENDED USE

The classic architectural shape of the WST LED was designed for applications such as hospitals, schools, malls, restaurants, and commercial buildings. The long life LEDs and driver make this luminaire nearly maintenance-free.

CONSTRUCTION

The single-piece die-cast aluminum housing integrates secondary heat sinks to optimize thermal transfer from the internal light engine heat sinks and promote long life. The driver is mounted in direct contact with the casting for a low operating temperature and long life. The die-cast door frame is fully gasketed with a one-piece solid silicone gasket to keep out moisture and dust, providing an IP65 rating for the luminaire.

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. Standard Super Durable colors include dark bronze, black, natural aluminum, sandstone and white. Available in textured and non-textured finishes.

OPTICS

Well crafted reflector optics allow the light engine to be recessed within the luminaire, providing visual comfort, superior distribution, uniformity, and spacing in wall-mount applications. The WST LED 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) consist of 98 high-efficacy LEDs mounted to a metal core circuit board and integral aluminum heat sinks to maximize heat dissipation and promote long life (100,000 hrs at 40°C, L87). Class 2 electronic driver has a power factor >90%, THD <20%. Easily-serviceable surge protection device meets a minimum Category B (per ANSI/IEEE C62.41.2).

INSTALLATION

A universal mounting plate with integral mounting support arms allows the fixture to hinge down for easy access while making wiring connections.

LISTINGS

CSA certified to U.S. and Canadian standards. Luminaire is IP65 rated. PIR and back box options are rated for wet location. Rated for -30°C to 40°C ambient.

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

BUY AMERICAN

Product with the BAA option is assembled in the USA and meets the Buy America(n) government procurement requirements under FAR, DFARS and DOT. Please refer to www.acuitybrands.com/buy-american for additional information.

WARRANTY

5-year limited warranty. Complete warranty terms located at: www.acuitybrands.com/support/warranty/terms-and-conditions

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.

STI279 LED

133-0402 (previous product code: 615-6321 for reference only!)

1/3

we-ef



Description

Downward aimed shielded light source. ADA (American Disabilities Act) Compliant. IP66. Class I. IK10. Marine-grade, die-cast aluminum alloy. 5CE superior corrosion protection including PCS hardware. Silicone CCG® Controlled Compression Gasket. Safety glass lens. Two cable entries. Integral driver. Factory-installed LED circuit board. 0-10V Dimming standard. A pre-installation blockout is available and recommended for mounting in concrete walls; to be ordered separately. Specify product with 7 Digit product code – Finish Color. Accessories, such as mounting, optical, and electrical, must be specified separately. Example: XXX-XXXX-9004 (Black) + XXX-XXXX (Accessory 1)

Beam Type	asymmetric, 'forward-throw' [A60]
------------------	-----------------------------------

Light Source	LED-36/8W - 3000 K
---------------------	--------------------

CRI	80
------------	----

Gear Type	electronic gear
------------------	-----------------

Nominal Luminous Flux (lm)

LED Lumens	41.1 lm
------------	---------

LEDs	36
------	----

Total Lumens	1480 lm
--------------	---------

Tj	25 °C
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Delivered Lumens Flux (lm)

LED Lumens	9.9 lm
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Total Lumens	355.9 lm
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Ta	25 °C
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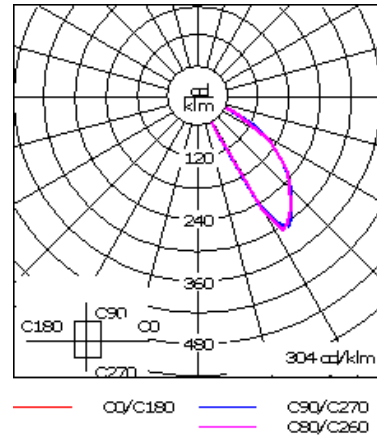
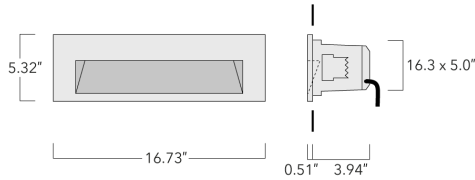
Rated Input Power	10 W
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STI279 LED

133-0402 (previous product code: 615-6321 for reference only!)

we-ef

2/3



Material Specification

Body:	Marine-grade die-cast aluminium alloy
Weight (lbs):	6.60
Lens:	Safety glass lens
Colours:	<ul style="list-style-type: none">■ RAL9004 Black■ RAL9007 Grey Metallic■ RAL9016 White■ RAL8019 Dark Bronze

Quick Ship

Quickship features a one week ship time for Steplights and two week ship time for the rest of our Core products. All applicable information must be included for orders to be processed and colours must be in one of our 4 standard finishes. A maximum order quantity of 30 pieces applies.

Gasket:	Silicone rubber gasket
Fasteners:	PCS Polymer Coated Stainless Steel Hardware
Ingress protection:	IP66
Impact protection:	IK10
Corrosion protection:	5CE
Listings:	ETL Listed. Suitable for wet locations.

Electrical Specification

Power supply:	Integral [ECG] electronic driver 120V-277V. 0-10V dimmable, to be specified with order.
Driver / Ballast:	Integral EC electronic converter
Cable:	Two cable entries

Lifetime

Ta=25°/40° L80B10 > 54000h

Mounting Accessories

WE-EF LIGHTING USA LLC

410-D Keystone Drive | Warrendale PA 15086 | U.S.A. | Tel +1 724 742 0030 | Fax +1 724 742 0035 | info.usa@we-ef.com | www.we-ef.com | 07-12-2021 15:08
Technical modifications and errors excepted

STI279 LED

133-0402 (previous product code: 615-6321 for reference only!)

we-ef

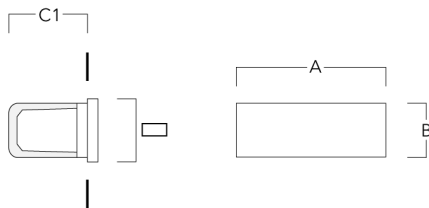
3/3

Installation blackout

Optional mounting accessories for concrete pour installations. Installation blackout. Suitable for installing recesses wall luminaire in concrete pour installations. Serve as rough-in housing prior to installation of luminaire. Includes hardware necessary for attachment to formwork.

■ Installation blackout BST27-I

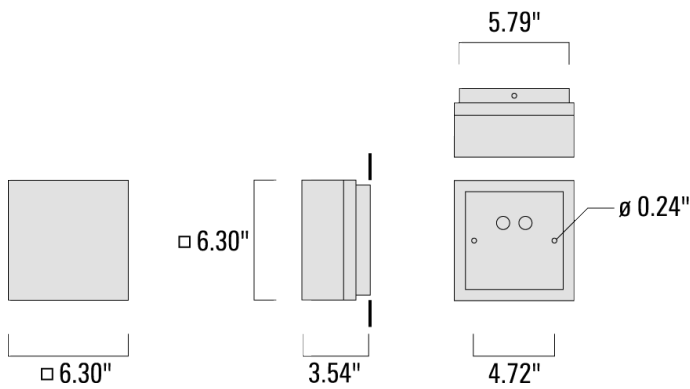
	A	B	C1
133-0217	17.60	6.18	5.20



QLS410 LED

Surface Mounted Wall Luminaires

1/8



Description

IP66, Class I, IK07. Surface mounted LED wall luminaire. Marine-grade, die-cast aluminum alloy. 5CE superior corrosion protection including PCS hardware. Silicone CCG® Controlled Compression Gasket. Safety glass lens. Integral driver. CAD-optimized optics for superior illumination and glare control. OLC® One LED Concept. Factory installed LED circuit board. 0-10V Dimming on request. Suitable for installation over 4" recessed junction box. Optional 2200 K version up to max. 1050mA available. To be specified at time of ordering. ADA (American Disabilities Act) Compliant.

QLS410 LED





Surface Mounted Wall Luminaires


2/8

we-ef

Specifications

Material Specification

Body:	Luminaire body and lens frame constructed in die cast aluminum.
Lens:	Clear tempered glass lens.
Colours:	 RAL9004 Black  RAL9007 Grey Metallic  RAL9016 White  RAL8019 Dark Bronze

 Quick Ship	Quickship features a one week ship time for Steplights and two week ship time for the rest of our Core products. All applicable information must be included for orders to be processed and colors must be in one of our 4 standard finishes. A maximum order quantity of 30 pieces applies.
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Gasket:	Silicone CCG® Controlled Compression Gasket
Fasteners:	PCS polymer coated stainless steel
Ingress protection:	IP66
Impact protection:	IK07
Corrosion protection:	5CE
Mounting:	Suitable for installation over a standard 4" recessed junction box.
Listings:	ETL listed. Suitable for wet locations.

Electrical Specification

Power supply:	Integral [ECG] electronic driver 120V-277V. 0-10V dimmable, to be specified with order.
Driver / Ballast:	Integral EC electronic converter
Cable:	Two cable entries

Lifetime

Ta=25°/40° L90B10 > 90000h

QLS410 LED

Surface Mounted Wall Luminaires

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Choices

Light Distributions	Nominal Lumen	Nominal Watt	Colour Temperatures	Colours
symmetric, narrow beam up and side-throw down [N/S]	699 738	6 9	2700 K	RAL9004 Black
symmetric, narrow beam up and medium beam down [N/M]	1110 1170	12 13		
rectangular asymmetric Type II [R45]	1350 1398	18 26	3000 K	RAL9007 Grey Metallic
medium beam up and 'forward throw' down [M/R45]	1420 1476			
symmetric, medium beam [M]	1496 1727		4000 K	RAL9016 White
symmetric, medium beam up and down [M/M]	2220 2340			
symmetric, narrow beam [N]	2700 2839			RAL8019 Dark Bronze
symmetric, narrow beam up and down [N/N]	2993 3453			
asymmetric, side throw beam [S]				
symmetric, medium beam up and 'side throw' down [M/S]				
symmetric narrow beam up and 'forward throw' down [E/R45]				
rectangular, 'side throw' [R45/R45]				

QLS410 LED

Surface Mounted Wall Luminaires

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Configurations

Light Distributions	Part ID	Light Source	Delivered Lumens	Rated Input Power	CRI	Weight	Link
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QLS410 LED

Surface Mounted Wall Luminaires



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symmetric, medium beam [M]

131-9002	LED-3/6W / 700 mA - 2700 K	471.2	8.5	80	4.2	
131-9401	LED-3/6W / 700 mA - 3000 K	497.5	8.5	80	4.20	
131-9404	LED-3/6W / 700 mA - 4000 K	497.5	8.5	80	4.20	
131-9008	LED-3/9W / 1050 mA - 2700 K	748.2	12	80	4.2	
131-0174	LED-3/9W / 1050mA - 3000 K	788.7	11	80	4.20	
131-0175	LED-3/9W / 1050mA - 4000 K	910	11	80	4.20	
131-9013	LED-3/13W / 1400 mA - 2700 K	957.2	16	80	4.2	
131-0180	LED-3/13W / 1400 mA - 3000 K	1008.4	16	80	4.20	
131-0181	LED-3/13W / 1400 mA - 4000 K	1164.1	16	80	4.20	



symmetric, narrow beam [N]

131-9003	LED-3/6W / 700 mA - 2700 K	527.8	8.5	80	4.2	
131-9420	LED-3/6W / 700 mA - 3000 K			80	4.20	
131-9421	LED-3/6W / 700 mA - 4000 K			80	4.20	
131-9009	LED-3/9W / 1050 mA - 2700 K	838.1	12	80	4.2	
131-0176	LED-3/9W / 1050mA - 3000 K	883.4	11	80	4.20	
131-0177	LED-3/9W / 1050mA - 4000 K	1019.3	11	80	4.20	
131-9014	LED-3/13W / 1400 mA - 2700 K	1072.2	16	80	4.20	
131-0182	LED-3/13W / 1400 mA - 3000 K	1129.6	16	80	4.20	
131-0183	LED-3/13W / 1400 mA - 4000 K	1304	16	80	4.20	



rectangular asymmetric Type II [R45]

131-9004	LED-3/6W / 700 mA - 2700 K	475.8	8.5	80	4.2	
131-9422	LED-3/6W / 700 mA - 3000 K	502.4	8.5	80	4.20	
131-9424	LED-3/6W / 700 mA - 4000 K	502.4	8.5	80	4.20	
131-9007	LED-3/9W / 1050 mA - 2700 K	755.6	12	80	4.2	
131-0178	LED-3/9W / 1050mA - 3000 K	796.4	11	80	4.20	
131-0179	LED-3/9W / 1050mA - 4000 K	918.9	11	80	4.20	
131-9012	LED-3/13W / 1400 mA - 2700 K	966.6	16	80	4.20	
131-0184	LED-3/13W / 1400 mA - 3000 K	1018.3	16	80	4.20	
131-0185	LED-3/13W / 1400 mA - 4000 K	1175.6	16	80	4.20	



asymmetric, side throw beam [S]

131-7000	LED-3/6W / 700 mA - 2700 K	445	8.5	80	4.20	
131-9400	LED-3/6W / 700 mA - 3000 K	469.8	8.5	80	4.20	
131-9403	LED-3/6W / 700 mA - 4000 K	469.8	8.5	80	4.20	
131-7003	LED-3/9W / 1050 mA - 2700 K	706.6	12	80	4.20	
131-7006	LED-3/13W / 1400 mA - 2700 K	904	16	80	4.20	



symmetric, medium beam up and down [M/M]

131-9015	LED-2x3/12W / 700 mA - 2700 K	942.5	15	80	4.20	
131-9409	LED-2x3/12W / 700 mA - 3000K	995.1	15	80	4.20	
131-9024	LED-2x3/18W / 1050 mA - 2700 K	1496.7	23	80	4.2	
131-9724	LED-2x3/18W / 1050mA - 3000 K	1577.6	23	80	4.23	
131-9729	LED-2x3/18W / 1050mA - 4000 K	1820.4	23	80	4.20	
131-9032	LED-2x3/26W / 1400 mA - 2700 K	1914.1	31	80	4.20	
131-9734	LED-2x3/26W / 1400mA - 3000 K	2017.9	31	80	4.20	
131-9739	LED-2x3/26W / 1400mA - 4000 K	2328	31	80	4.20	
131-9414	LED-2x3/12W / 700 mA - 4000K	995.1	15	80	4.20	



medium beam up and 'forward throw' down [M/R45]

131-9019	LED-2x3/12W / 700 mA - 2700 K	947.1	15	80	4.20	
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QLS410 LED

Surface Mounted Wall Luminaires

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Configurations

Light Distributions	Part ID	Light Source	Delivered Lumens	Rated Input Power	CRI	Weight	Link
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QLS410 LED

Surface Mounted Wall Luminaires



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medium beam up and 'forward throw' down [M/R45]

131-9423	LED-2x3/12W / 700 mA - 3000K	1000	15	80	4.20	
131-9425	LED-2x3/12W / 700 mA - 4000K	1000	15	80	4.20	
131-9022	LED-2x3/18W / 1050 mA - 2700 K	1504	23	80	4.2	
131-9722	LED-2x3/18W / 1050mA - 3000 K	1585.3	23	80	4.20	
131-9727	LED-2x3/18W / 1050mA - 4000 K	1829.2	23	80	4.20	
131-9028	LED-2x3/26W / 1400 mA - 2700 K	1923.4	31	80	4.20	
131-9732	LED-2x3/26W / 1400mA - 3000 K	2027.7	31	80	4.20	
131-9737	LED-2x3/26W / 1400mA - 4000 K	2339.4	31	80	4.20	



symmetric, medium beam up and 'side throw' down [M/S]

131-7009	LED-2x3/12W / 700 mA - 2700 K	916.2	15	80	4.20	
131-9407	LED-2x3/12W / 700 mA - 3000K	967.3	15	80	4.20	
131-9412	LED-2x3/12W / 700 mA - 4000K	967.3	15	80	4.20	
131-7012	LED-2x3/18W / 1050 mA - 2700 K	1454.9	23	80	4.20	
131-7015	LED-2x3/26W / 1400 mA - 2700 K	1860.5	31	80	4.20	



symmetric, narrow beam up and medium beam down [N/M]

131-9016	LED-2x3/12W / 700 mA - 2700 K	999.2	15	80	4.20	
131-9025	LED-2x3/18W / 1050 mA - 2700 K	1586.7	23	80	4.20	
131-9725	LED-2x3/18W / 1050mA - 3000 K	1672.5	23	80	4.23	
131-9730	LED-2x3/18W / 1050mA - 4000 K	1929.8	23	80	4.20	
131-9735	LED-2x3/26W / 1400mA - 3000 K	2139.2	31	80	4.20	
131-9740	LED-2x3/26W / 1400mA - 4000 K	2468	31	80	4.20	



symmetric, narrow beam up and down [N/N]

131-9018	LED-2x3/12W / 700 mA - 2700 K	1055.9	15	80	4.20	
131-9416	LED-2x3/12W / 700 mA - 3000K			80	4.20	
131-9417	LED-2x3/12W / 700 mA - 4000K			80	4.20	
131-9026	LED-2x3/18W / 1050 mA - 2700 K	1676.7	23	80	4.2	
131-9726	LED-2x3/18W / 1050mA - 3000 K	1767.4	23	80	4.23	
131-9731	LED-2x3/18W / 1050mA - 4000 K	2039.3	23	80	4.20	
131-9034	LED-2x3/26W / 1400 mA - 2700 K	2144.2	31	80	4.20	
131-9736	LED-2x3/26W / 1400mA - 3000 K	2260.5	31	80	4.20	
131-9741	LED-2x3/26W / 1400mA - 4000 K	2608	31	80	4.20	



symmetric narrow beam up and 'forward throw' down [E/R45]

131-9020	LED-2x3/12W / 700 mA - 2700 K	1003.8	15	80	4.20	
131-9462	LED-2x3/12W / 700 mA - 3000K	1059.8	15	80	4.20	
131-9463	LED-2x3/12W / 700 mA - 4000K	1059.8	15	80	4.20	
131-9023	LED-2x3/18W / 1050 mA - 2700 K	1594	23	80	4.2	
131-9723	LED-2x3/18W / 1050mA - 3000 K	1680.2	23	80	4.23	
131-9728	LED-2x3/18W / 1050mA - 4000 K	1938.7	23	80	4.20	
131-9029	LED-2x3/26W / 1400 mA - 2700 K	2038.5	31	80	4.20	
131-9733	LED-2x3/26W / 1400mA - 3000 K	2149	31	80	4.20	
131-9738	LED-2x3/26W / 1400mA - 4000 K	2479.3	31	80	4.20	



symmetric, narrow beam up and side-throw down [N/S]

131-7018	LED-2x3/12W / 700 mA - 2700 K	972.8	15	80	4.20	
131-9408	LED-2x3/12W / 700 mA - 3000K	1027.1	15	80	4.20	
131-9413	LED-2x3/12W / 700 mA - 4000K	1027.1	15	80	4.20	
131-7021	LED-2x3/18W / 1050 mA - 2700 K	1544.9	23	80	4.20	
131-7024	LED-2x3/26W / 1400 mA - 2700 K	1975.6	31	80	4.20	

QLS410 LED

Surface Mounted Wall Luminaires

8/8



Configurations

Light Distributions	Part ID	Light Source	Delivered Lumens	Rated Input Power	CRI	Weight	Link
	131-9021	LED-2x3/12W / 700 mA - 2700 K	1903.3	15	80	4.20	
	131-9027	LED-2x3/18W / 1050 mA - 2700 K	3022.4	23	80	4.20	
	131-9035	LED-2x3/26W / 1400 mA - 2700 K	3865.1	31	80	4.20	

Related Families / QLS400

Family		Dimensions	Wattage	Nominal Lumen	Links	
					Links	Download Data Sheet
QLS410 LED	<input type="checkbox"/>	6.30 x 3.62	6 -26 W	699 -3453		
QLS420 LED	<input type="checkbox"/>	9.06 x 3.74	12 -52 W	1398 -6907		



D-Series Size 1 LED Area Luminaire

d^{series}

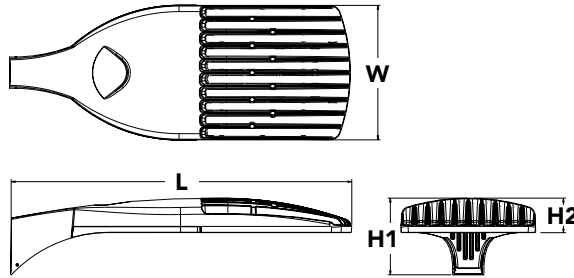


Catalog Number
Notes
Type

Hit the Tab key or mouse over the page to see all interactive elements.

Specifications

EPA:	1.01 ft ² (0.09 m ²)
Length:	33" (83.8 cm)
Width:	13" (33.0 cm)
Height H1:	7-1/2" (19.0 cm)
Height H2:	3-1/2"
Weight (max):	27 lbs (12.2 kg)



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 750W metal halide in pedestrian and area lighting applications with typical energy savings of 65% and expected service life of over 100,000 hours.

Ordering Information

EXAMPLE: DSX1 LED P7 40K T3M MVOLT SPA NLTAIR2 PIRHN DDBXD

Series	LEDs	Color temperature	Distribution	Voltage	Mounting
DSX1 LED	Forward optics P1 P4 ¹ P7 ¹ P2 P5 ¹ P8 P3 P6 ¹ P9 ¹ Rotated optics P10 ² P12 ² P11 ² P13 ^{1,2}	30K 3000 K 40K 4000 K 50K 5000 K	T1S Type I short (Automotive) 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 ³ T5S Type V short ³ T5M Type V medium ³ T5W Type V wide ³ BLC Backlight control ⁴ LCCO Left corner cutoff ⁴ RCCO Right corner cutoff ⁴	MVOLT ⁵ XVOLT (277V-480V) ^{6,7,8} 120 ⁹ 208 ⁹ 240 ⁹ 277 ⁹ 347 ⁹ 480 ⁹	Shipped included SPA Square pole mounting RPA Round pole mounting ¹⁰ WBA Wall bracket ³ SPUMBA Square pole universal mounting adaptor ¹¹ RPUMBA Round pole universal mounting adaptor ⁹ Shipped separately KMA8 DDBXD U Mast arm mounting bracket adaptor (specify finish) ¹²

Control options	Other options	Finish (required)
Shipped installed NLTAIR2 nLight AIR generation 2 enabled ¹³ PIRHN Network, high/low motion/ambient sensor ¹⁴ PER NEMA twist-lock receptacle only (controls ordered separate) ¹⁵ PER5 Five-pin receptacle only (controls ordered separate) ^{15,16} PER7 Seven-pin receptacle only (controls ordered separate) ^{15,16} DMG 0-10v dimming wires pulled outside fixture (for use with an external control, ordered separately) ¹⁷ DS Dual switching ^{18,19,20}	PIR High/low, motion/ambient sensor, 8-15' mounting height, ambient sensor enabled at 5fc ^{20,21} PIRH High/low, motion/ambient sensor, 15-30' mounting height, ambient sensor enabled at 5fc ^{20,21} PIR1FC3V High/low, motion/ambient sensor, 8-15' mounting height, ambient sensor enabled at 1fc ^{20,21} PIRH1FC3V Bi-level, motion/ambient sensor, 15-30' mounting height, ambient sensor enabled at 1fc ^{20,21} FAO Field adjustable output ^{20,21}	Shipped installed HS House-side shield ²³ SF Single fuse (120, 277, 347V) ⁹ DF Double fuse (208, 240, 480V) ⁹ L90 Left rotated optics ² R90 Right rotated optics ² HA 50°C ambient operations ¹ BAA Buy America(n) Act Compliant Shipped separately BS Bird spikes ²⁴ EGS External glare shield
		DDBXD Dark bronze DBLXD Black DNAXD Natural aluminum DWHXD White DDBTXD Textured dark bronze DBLBXD Textured black DNATXD Textured natural aluminum DWHGXD Textured white



Ordering Information

Accessories

Ordered and shipped separately.

DLL127F 1.5 JU	Photocell - SSL twist-lock (120-277V) ²⁵
DLL347F 1.5 CUL JU	Photocell - SSL twist-lock (347V) ²⁵
DLL480F 1.5 CUL JU	Photocell - SSL twist-lock (480V) ²⁵
DSHORT SBK U	Shorting cap ²⁵
DSX1HS 30C U	House-side shield for P1, P2, P3, P4 and P5 ²³
DSX1HS 40C U	House-side shield for P6 and P7 ²³
DSX1HS 60C U	House-side shield for P8, P9, P10, P11 and P12 ²³
PUMBA DDBXD U*	Square and round pole universal mounting bracket (specify finish) ²⁵
KMA8 DDBXD U	Mast arm mounting bracket adaptor (specify finish) ¹²
DSX1EGS (FINISH) U	External glare shield

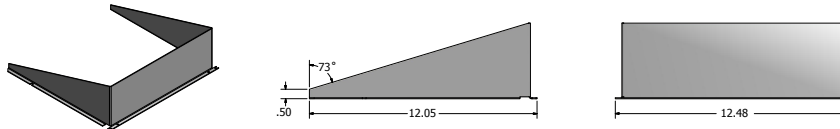
For more control options, visit [DTL](#) and [ROAM](#) online.

NOTES

- 1 HA not available with P4, P5, P6, P7, P9 and P13.
- 2 P10, P11, P12 or P13 and rotated optics (L90, R90) only available together.
- 3 Any Type 5 distribution with photocell, is not available with WBA.
- 4 Not available with HS.
- 5 MVOLT driver operates on any line voltage from 120-277V (50/60 Hz).
- 6 XVOLT only suitable for use with P3, P5, P6, P7, P9 and P13.
- 7 XVOLT works with any voltage between 277V and 480V.
- 8 XVOLT not available with fusing (SF or DF) and not available with PIR, PIRH, PIR1FC3V, PIRH1FC3V.
- 9 Single fuse (SF) requires 120V, 277V or 347V. Double fuse (DF) requires 208V, 240V or 480V. XVOLT not available with fusing (SF or DF).
- 10 Suitable for mounting to round poles between 3.5" and 12" diameter.
- 11 Universal mounting brackets intended for retrofit on existing, pre-drilled poles only. 1.5 G vibration load rating per ANCI C136.31. Only usable when pole's drill pattern is NOT Lithonia template #8.
- 12 Must order fixture with SPA option. Must be ordered as a separate accessory; see Accessories information. For use with 2-3/8" diameter mast arm (not included).
- 13 Must be ordered with PIRHN. Sensor cover available only in dark bronze, black, white and natural aluminum colors.
- 14 Must be ordered with NLTAR2. For more information on nLight Air 2 visit [this link](#).
- 15 Photocell ordered and shipped as a separate line item from Acuity Brands Controls. See accessories. Shorting cap included.
- 16 If ROAM® node required, it must be ordered and shipped as a separate line item from Acuity Brands Controls. Node with integral dimming.
- 17 DMG not available with PIRHN, PER5, PER7, PIR, PIRH, PIR1FC3V or PIRH1FC3V, FAO.
- 18 Provides 50/50 fixture operation via (2) independent drivers. Not available with PER, PER5, PER7, PIR or PIRH. Not available P1, P2, P3, P4 or P5.
- 19 Requires (2) separately switched circuits with isolated neutral.
- 20 Reference Controls Option Default settings table on page 4.
- 21 Reference Motion Sensor table on page 4 to see functionality.
- 22 Not available with other dimming controls options.
- 23 Not available with BLC, LCCO and RCCO distribution. Also available as a separate accessory; see Accessories information.
- 24 Must be ordered with fixture for factory pre-drilling.
- 25 Requires luminaire to be specified with PER, PER5 or PER7 option. See Control Option Table on page 4.
- 26 For retrofit use only. Only usable when pole's drill pattern is NOT Lithonia template #8.

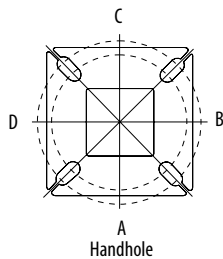
Options

EGS - External Glare Shield



Drilling

HANDHOLE ORIENTATION



Tenon Mounting Slipfitter

Tenon O.D.	Mounting	Single Unit	2 @ 180	2 @ 90	3 @ 90	3 @ 120	4 @ 90
2-3/8"	RPA	AS3-5 190	AS3-5 280	AS3-5 290	AS3-5 390	AS3-5 320	AS3-5 490
2-7/8"	RPA	AST25-190	AST25-280	AST25-290	AST25-390	AST25-320	AST25-490
4"	RPA	AST35-190	AST35-280	AST35-290	AST35-390	AST35-320	AST35-490

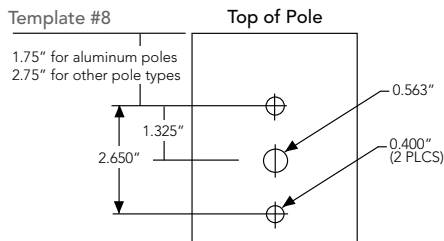
Mounting Option	Drilling Template	Single	2 @ 180	2 @ 90	3 @ 90	3 @ 120	4 @ 90
Head Location		Side B	Side B & D	Side B & C	Side B, C & D	Round Pole Only	Side A, B, C & D
Drill Nomenclature	#8	DM19AS	DM28AS	DM29AS	DM39AS	DM32AS	DM49AS

DSX1 Area Luminaire - EPA

*Includes luminaire and integral mounting arm. Other tenons, arms, brackets or other accessories are not included in this EPA data.

Fixture Quantity & Mounting Configuration	Single DM19	2 @ 180 DM28	2 @ 90 DM29	3 @ 90 DM39	3 @ 120 DM32	4 @ 90 DM49
Mounting Type	Single	2 @ 180	2 @ 90	3 @ 90	3 @ 120	4 @ 90
DSX1 LED	1.013	2.025	1.945	3.038	2.850	3.749

	Drilling Template	Minimum Acceptable Outside Pole Dimension					
SPA	#8	2-7/8"	2-7/8"	3.5"	3.5"	3"	3.5"
RPA	#8	2-7/8"	2-7/8"	3.5"	3.5"	3"	3.5"
SPUMBA	#5	2-7/8"	3"	4"	4"	3.5"	4"
RPUMBA	#5	2-7/8"	3.5"	5"	5"	3.5"	5"



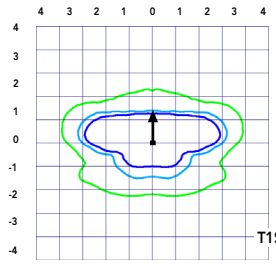
Photometric Diagrams

To see complete photometric reports or download .ies files for this product, visit Lithonia Lighting's [D-Series Area Size 1 homepage](#).

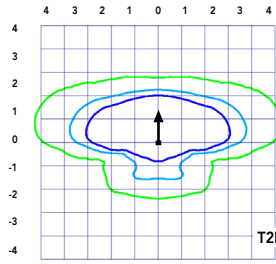
Isofootcandle plots for the DSX1 LED 60C 1000 40K. Distances are in units of mounting height (25').

LEGEND

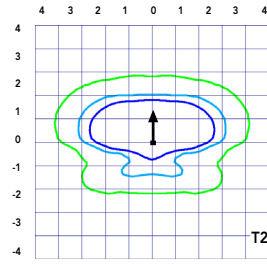
- 0.1 fc
- 0.5 fc
- 1.0 fc



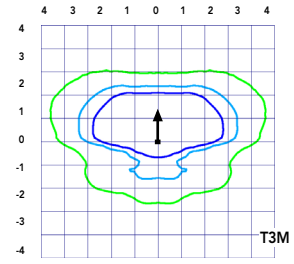
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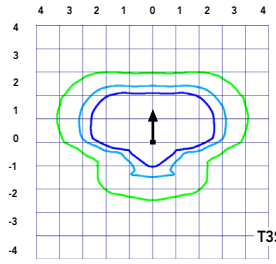
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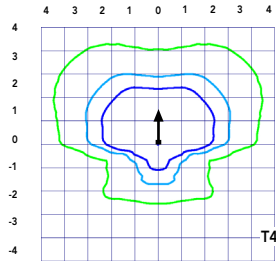
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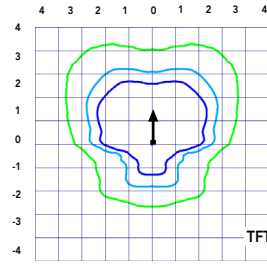
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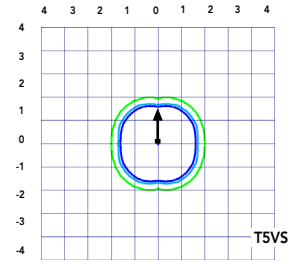
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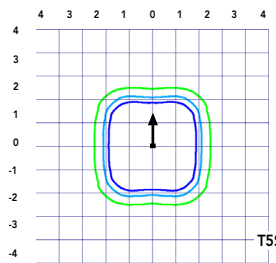
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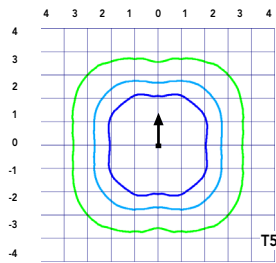
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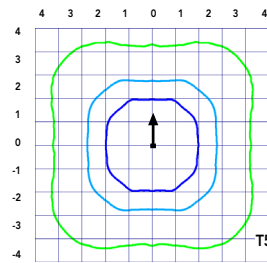
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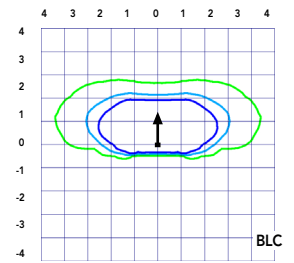
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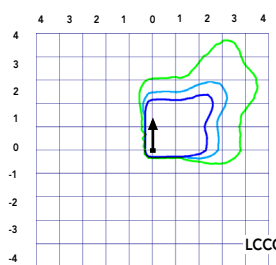
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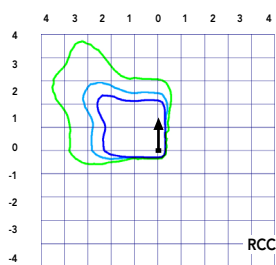
Test No. LT.L23222 tested in accordance with IESNA LM-79-08.



Test No. LT.L23271 tested in accordance with IESNA LM-79-08.



Test No. LT.L23211 tested in accordance with IESNA LM-79-08.



Test No. LT.L23164B tested in accordance with IESNA LM-79-08.

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	1.04
5°C	41°F	1.04
10°C	50°F	1.03
15°C	59°F	1.02
20°C	68°F	1.01
25°C	77°F	1.00
30°C	86°F	0.99
35°C	95°F	0.98
40°C	104°F	0.97

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	Lumen Maintenance Factor
0	1.00
25,000	0.96
50,000	0.92
100,000	0.85

Motion Sensor Default Settings

Option	Dimmed State	High Level (when triggered)	Photocell Operation	Dwell Time	Ramp-up Time	Ramp-down Time
PIR or PIRH	3V (37%) Output	10V (100%) Output	Enabled @ 5FC	5 min	3 sec	5 min
*PIR1FC3V or PIRH1FC3V	3V (37%) Output	10V (100%) Output	Enabled @ 1FC	5 min	3 sec	5 min

*for use when motion sensor is used as dusk to dawn control.

Electrical Load

	Performance Package	LED Count	Drive Current	Wattage	Current (A)					
					120	208	240	277	347	480
Forward Optics (Non-Rotated)	P1	30	530	54	0.45	0.26	0.23	0.19	0.10	0.12
	P2	30	700	70	0.59	0.34	0.30	0.25	0.20	0.16
	P3	30	1050	102	0.86	0.50	0.44	0.38	0.30	0.22
	P4	30	1250	125	1.06	0.60	0.52	0.46	0.37	0.27
	P5	30	1400	138	1.16	0.67	0.58	0.51	0.40	0.29
	P6	40	1250	163	1.36	0.78	0.68	0.59	0.47	0.34
	P7	40	1400	183	1.53	0.88	0.76	0.66	0.53	0.38
	P8	60	1050	207	1.74	0.98	0.87	0.76	0.64	0.49
	P9	60	1250	241	2.01	1.16	1.01	0.89	0.70	0.51
Rotated Optics (Requires L90 or R90)	P10	60	530	106	0.90	0.52	0.47	0.43	0.33	0.27
	P11	60	700	137	1.15	0.67	0.60	0.53	0.42	0.32
	P12	60	1050	207	1.74	0.99	0.87	0.76	0.60	0.46
	P13	60	1250	231	1.93	1.12	0.97	0.86	0.67	0.49

Controls Options

Nomenclature	Description	Functionality	Primary control device	Notes
FA0	Field adjustable output device installed inside the luminaire; wired to the driver dimming leads.	Allows the luminaire to be manually dimmed, effectively trimming the light output.	FA0 device	Cannot be used with other controls options that need the 0-10V leads
DS	Drivers wired independently for 50/50 luminaire operation	The luminaire is wired to two separate circuits, allowing for 50/50 operation.	Independently wired drivers	Requires two separately switched circuits. Consider nLight AIR as a more cost effective alternative.
PERS or PER7	Twist-lock photocell receptacle	Compatible with standard twist-lock photocells for dusk to dawn operation, or advanced control nodes that provide 0-10V dimming signals.	Twist-lock photocells such as DLL Elite or advanced control nodes such as ROAM.	Pins 4 & 5 to dimming leads on driver, Pins 6 & 7 are capped inside luminaire
PIR or PIRH	Motion sensors with integral photocell. PIR for 8-15' mounting; PIRH for 15-30' mounting	Luminaires dim when no occupancy is detected.	Acuity Controls SBGR	Also available with PIRH1FC3V when the sensor photocell is used for dusk-to-dawn operation.
NLTAIR2 PIRHN	nLight AIR enabled luminaire for motion sensing, photocell and wireless communication.	Motion and ambient light sensing with group response. Scheduled dimming with motion sensor over-ride when wirelessly connected to the nLight Eclipse.	nLight Air rSDGR	nLight AIR sensors can be programmed and commissioned from the ground using the CIAIRity Pro app.

Performance Data

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																			
LED Count	Drive Current	Power Package	System Watts	Dist. Type	30K (3000 K, 70 CRI)					40K (4000 K, 70 CRI)					50K (5000 K, 70 CRI)				
					Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW
40	1250	P6	163W	T1S	17,654	3	0	3	108	19,018	3	0	3	117	19,259	3	0	3	118
				T2S	17,635	3	0	3	108	18,998	3	0	3	117	19,238	3	0	3	118
				T2M	17,726	3	0	3	109	19,096	3	0	3	117	19,337	3	0	3	119
				T3S	17,167	3	0	3	105	18,493	3	0	3	113	18,727	3	0	3	115
				T3M	17,683	3	0	3	108	19,049	3	0	3	117	19,290	3	0	3	118
				T4M	17,299	3	0	3	106	18,635	3	0	4	114	18,871	3	0	4	116
				TFTM	17,672	3	0	3	108	19,038	3	0	4	117	19,279	3	0	4	118
				TSVS	18,379	4	0	1	113	19,800	4	0	1	121	20,050	4	0	1	123
				T5S	18,394	4	0	2	113	19,816	4	0	2	122	20,066	4	0	2	123
				T5M	18,348	4	0	2	113	19,766	4	0	2	121	20,016	4	0	2	123
				TSW	18,228	5	0	3	112	19,636	5	0	3	120	19,885	5	0	3	122
				BLC	14,489	2	0	2	89	15,609	2	0	3	96	15,806	2	0	3	97
				LCCO	10,781	1	0	3	66	11,614	1	0	3	71	11,761	2	0	3	72
				RCCO	10,781	1	0	3	66	11,614	1	0	3	71	11,761	2	0	3	72
40	1400	P7	183W	T1S	19,227	3	0	3	105	20,712	3	0	3	113	20,975	3	0	3	115
				T2S	19,206	3	0	3	105	20,690	3	0	3	113	20,952	3	0	3	114
				T2M	19,305	3	0	3	105	20,797	3	0	3	114	21,060	3	0	3	115
				T3S	18,696	3	0	3	102	20,141	3	0	3	110	20,396	3	0	4	111
				T3M	19,258	3	0	3	105	20,746	3	0	3	113	21,009	3	0	3	115
				T4M	18,840	3	0	4	103	20,296	3	0	4	111	20,553	3	0	4	112
				TFTM	19,246	3	0	4	105	20,734	3	0	4	113	20,996	3	0	4	115
				TSVS	20,017	4	0	1	109	21,564	4	0	1	118	21,837	4	0	1	119
				T5S	20,033	4	0	2	109	21,581	4	0	2	118	21,854	4	0	2	119
				T5M	19,983	4	0	2	109	21,527	5	0	3	118	21,799	5	0	3	119
				TSW	19,852	5	0	3	108	21,386	5	0	3	117	21,656	5	0	3	118
				BLC	15,780	2	0	3	86	16,999	2	0	3	93	17,214	2	0	3	94
				LCCO	11,742	2	0	3	64	12,649	2	0	3	69	12,809	2	0	3	70
				RCCO	11,742	2	0	3	64	12,649	2	0	3	69	12,809	2	0	3	70
60	1050	P8	207W	T1S	22,490	3	0	3	109	24,228	3	0	3	117	24,535	3	0	3	119
				T2S	22,466	3	0	4	109	24,202	3	0	4	117	24,509	3	0	4	118
				T2M	22,582	3	0	3	109	24,327	3	0	3	118	24,635	3	0	3	119
				T3S	21,870	3	0	4	106	23,560	3	0	4	114	23,858	3	0	4	115
				T3M	22,527	3	0	4	109	24,268	3	0	4	117	24,575	3	0	4	119
				T4M	22,038	3	0	4	106	23,741	3	0	4	115	24,041	3	0	4	116
				TFTM	22,513	3	0	4	109	24,253	3	0	4	117	24,560	3	0	4	119
				TSVS	23,415	5	0	1	113	25,224	5	0	1	122	25,543	5	0	1	123
				T5S	23,434	4	0	2	113	25,244	4	0	2	122	25,564	4	0	2	123
				T5M	23,374	5	0	3	113	25,181	5	0	3	122	25,499	5	0	3	123
				TSW	23,221	5	0	4	112	25,016	5	0	4	121	25,332	5	0	4	122
				BLC	18,458	2	0	3	89	19,885	2	0	3	96	20,136	2	0	3	97
				LCCO	13,735	2	0	3	66	14,796	2	0	4	71	14,983	2	0	4	72
				RCCO	13,735	2	0	3	66	14,796	2	0	4	71	14,983	2	0	4	72
60	1250	P9	241W	T1S	25,575	3	0	3	106	27,551	3	0	3	114	27,900	3	0	3	116
				T2S	25,548	3	0	4	106	27,522	3	0	4	114	27,871	3	0	4	116
				T2M	25,680	3	0	3	107	27,664	3	0	3	115	28,014	3	0	3	116
				T3S	24,870	3	0	4	103	26,791	3	0	4	111	27,130	3	0	4	113
				T3M	25,617	3	0	4	106	27,597	3	0	4	115	27,946	3	0	4	116
				T4M	25,061	3	0	4	104	26,997	3	0	4	112	27,339	3	0	4	113
				TFTM	25,602	3	0	4	106	27,580	3	0	4	114	27,929	3	0	4	116
				TSVS	26,626	5	0	1	110	28,684	5	0	1	119	29,047	5	0	1	121
				T5S	26,648	4	0	2	111	28,707	5	0	2	119	29,070	5	0	2	121
				T5M	26,581	5	0	3	110	28,635	5	0	3	119	28,997	5	0	3	120
				TSW	26,406	5	0	4	110	28,447	5	0	4	118	28,807	5	0	4	120
				BLC	20,990	2	0	3	87	22,612	2	0	3	94	22,898	2	0	3	95
				LCCO	15,619	2	0	4	65	16,825	2	0	4	70	17,038	2	0	4	71
				RCCO	15,619	2	0	4	65	16,825	2	0	4	70	17,038	2	0	4	71



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.

Rotated Optics																			
LED Count	Drive Current	Power Package	System Watts	Dist. Type	30K (3000 K, 70 CRI)					40K (4000 K, 70 CRI)					50K (5000 K, 70 CRI)				
					Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW
60	530	P10	106W	T1S	13,042	3	0	3	123	14,050	3	0	3	133	14,228	3	0	3	134
				T2S	12,967	4	0	4	122	13,969	4	0	4	132	14,146	4	0	4	133
				T2M	13,201	3	0	3	125	14,221	3	0	3	134	14,401	3	0	3	136
				T3S	12,766	4	0	4	120	13,752	4	0	4	130	13,926	4	0	4	131
				T3M	13,193	4	0	4	124	14,213	4	0	4	134	14,393	4	0	4	136
				T4M	12,944	4	0	4	122	13,945	4	0	4	132	14,121	4	0	4	133
				TFTM	13,279	4	0	4	125	14,305	4	0	4	135	14,486	4	0	4	137
				TSVS	13,372	3	0	1	126	14,405	4	0	1	136	14,588	4	0	1	138
				T5S	13,260	3	0	1	125	14,284	3	0	1	135	14,465	3	0	1	136
				T5M	13,256	4	0	2	125	14,281	4	0	2	135	14,462	4	0	2	136
				TSW	13,137	4	0	3	124	14,153	4	0	3	134	14,332	4	0	3	135
				BLC	10,906	3	0	3	103	11,749	3	0	3	111	11,898	3	0	3	112
				LCCO	7,789	1	0	3	73	8,391	1	0	3	79	8,497	1	0	3	80
				RCCO	7,779	4	0	4	73	8,380	4	0	4	79	8,486	4	0	4	80
60	700	P11	137W	T1S	16,556	3	0	3	121	17,835	3	0	3	130	18,061	4	0	4	132
				T2S	16,461	4	0	4	120	17,733	4	0	4	129	17,957	4	0	4	131
				T2M	16,758	4	0	4	122	18,053	4	0	4	132	18,281	4	0	4	133
				T3S	16,205	4	0	4	118	17,457	4	0	4	127	17,678	4	0	4	129
				T3M	16,748	4	0	4	122	18,042	4	0	4	132	18,271	4	0	4	133
				T4M	16,432	4	0	4	120	17,702	4	0	4	129	17,926	4	0	4	131
				TFTM	16,857	4	0	4	123	18,159	4	0	4	133	18,389	4	0	4	134
				TSVS	16,975	4	0	1	124	18,287	4	0	1	133	18,518	4	0	1	135
				T5S	16,832	4	0	1	123	18,133	4	0	2	132	18,362	4	0	2	134
				T5M	16,828	4	0	2	123	18,128	4	0	2	132	18,358	4	0	2	134
				TSW	16,677	4	0	3	122	17,966	5	0	3	131	18,193	5	0	3	133
				BLC	13,845	3	0	3	101	14,915	3	0	3	109	15,103	3	0	3	110
				LCCO	9,888	1	0	3	72	10,652	2	0	3	78	10,787	2	0	3	79
				RCCO	9,875	4	0	4	72	10,638	4	0	4	78	10,773	4	0	4	79
60	1050	P12	207W	T1S	22,996	4	0	4	111	24,773	4	0	4	120	25,087	4	0	4	121
				T2S	22,864	4	0	4	110	24,631	5	0	5	119	24,943	5	0	5	120
				T2M	23,277	4	0	4	112	25,075	4	0	4	121	25,393	4	0	4	123
				T3S	22,509	4	0	4	109	24,248	5	0	5	117	24,555	5	0	5	119
				T3M	23,263	4	0	4	112	25,061	4	0	4	121	25,378	4	0	4	123
				T4M	22,824	5	0	5	110	24,588	5	0	5	119	24,899	5	0	5	120
				TFTM	23,414	5	0	5	113	25,223	5	0	5	122	25,543	5	0	5	123
				TSVS	23,579	5	0	1	114	25,401	5	0	1	123	25,722	5	0	1	124
				T5S	23,380	4	0	2	113	25,187	4	0	2	122	25,506	4	0	2	123
				T5M	23,374	5	0	3	113	25,181	5	0	3	122	25,499	5	0	3	123
				TSW	23,165	5	0	4	112	24,955	5	0	4	121	25,271	5	0	4	122
				BLC	19,231	4	0	4	93	20,717	4	0	4	100	20,979	4	0	4	101
				LCCO	13,734	2	0	3	66	14,796	2	0	4	71	14,983	2	0	4	72
				RCCO	13,716	4	0	4	66	14,776	4	0	4	71	14,963	4	0	4	72
60	1250	P13	231W	T1S	25,400	4	0	4	110	27,363	4	0	4	118	27,709	4	0	4	120
				T2S	25,254	5	0	5	109	27,205	5	0	5	118	27,550	5	0	5	119
				T2M	25,710	4	0	4	111	27,696	4	0	4	120	28,047	4	0	4	121
				T3S	24,862	5	0	5	108	26,783	5	0	5	116	27,122	5	0	5	117
				T3M	25,695	5	0	5	111	27,680	5	0	5	120	28,031	5	0	5	121
				T4M	25,210	5	0	5	109	27,158	5	0	5	118	27,502	5	0	5	119
				TFTM	25,861	5	0	5	112	27,860	5	0	5	121	28,212	5	0	5	122
				TSVS	26,043	5	0	1	113	28,056	5	0	1	121	28,411	5	0	1	123
				T5S	25,824	4	0	2	112	27,819	5	0	2	120	28,172	5	0	2	122
				T5M	25,818	5	0	3	112	27,813	5	0	3	120	28,165	5	0	3	122
				TSW	25,586	5	0	4	111	27,563	5	0	4	119	27,912	5	0	4	121
				BLC	21,241	4	0	4	92	22,882	4	0	4	99	23,172	4	0	4	100
				LCCO	15,170	2	0	4	66	16,342	2	0	4	71	16,549	2	0	4	72
				RCCO	15,150	5	0	5	66	16,321	5	0	5	71	16,527	5	0	5	72

FEATURES & SPECIFICATIONS

INTENDED USE

The sleek design of the D-Series Size 1 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 drivers are 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 (1.01 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 3000 K, 4000 K and 5000 K (70 CRI) configurations. The D-Series Size 1 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 configurations consist of high-efficacy LEDs mounted to metal-core circuit boards to maximize heat dissipation and promote long life (up to L85/100,000 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 surge protection device meets a minimum Category C Low operation (per ANSI/IEEE C62.41.2).

STANDARD CONTROLS

The DSX1 LED area luminaire has a number of control options. DSX Size 1, comes standard with 0-10V dimming drivers. Dusk to dawn controls can be utilized via optional NEMA twist-lock photocell receptacles. Integrated motion sensors with on-board photocells feature field-adjustable programming and are suitable for mounting heights up to 30 feet.

nLIGHT AIR CONTROLS

The DSX1 LED area luminaire is also available with nLight® AIR for the ultimate in wireless control. This powerful controls platform provides out-of-the-box basic motion sensing and photocontrol functionality and is suitable for mounting heights up to 40 feet. Once commissioned using a smartphone and the easy-to-use CLAIRITY app, nLight AIR equipped luminaires can be grouped, resulting in motion sensor and photocell group response without the need for additional equipment. Scheduled dimming with motion sensor over-ride can be achieved when used with the nLight Eclipse. Additional information about nLight Air can be found here.

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 1 to withstand up to a 3.0 G vibration load rating per ANSI C136.31. The D-Series Size 1 utilizes the AERIS™ series pole drilling pattern (template #8). NEMA photocontrol receptacle are also available.

LISTINGS

UL listed to meet U.S. and Canadian standards. 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) Premium qualified product and DLC qualified product. Not all versions of this product may be DLC Premium qualified or DLC qualified. Please check the DLC Qualified Products List at www.designlights.org/QPL to confirm which versions are qualified.

International Dark-Sky Association (IDA) Fixture Seal of Approval (FSA) is available for all products on this page utilizing 3000K color temperature only.

BUY AMERICAN

Product with the BAA option is assembled in the USA and meets the Buy America(n) government procurement requirements under FAR, DFARS and DOT. Please refer to www.acuitybrands.com/buy-american for additional information.

WARRANTY

5-year limited warranty. Complete warranty terms located at: www.acuitybrands.com/support/customer-support/terms-and-conditions

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.

