

15 April, 2020

Roger Pelham
Senior Planner
Washoe County Planning and Building Division
(sent via email)

Re: WADMIN20-0004
St. Francis of Assisi Classroom Addition
Conditions of Approval (Exhibit A)

Dear Sir,

We have reviewed the conditions of approval that you have recommended for this project and would like to request modifications based upon the following information.

Condition 1.e:

- 1.e: Prior to any ground disturbing activity, the applicant shall submit a landscaping design plan to the Planning and Building Division for review and approval. Said plan shall address parking, parking lot circulation and striping, signage, exterior lighting, trash enclosures, landscaping and plant material, type and size of plants, maturation size at full growth, landscaping location, and landscaping irrigation system.

The project occurs on a limited portion of the site and disturbs a small amount of the existing landscaping. Please refer to the attached site plan (Site Plan-Aerial.pdf) showing the project area, an aerial underlay of the site, and the area of landscaping that will be disturbed. I have also attached photos of the affected area. Any irrigation lines disturbed by the construction activity are intended to be repaired or replaced by the owner, and landscaping restored in this area after completion of construction. The remaining vegetation on the site is mature and will be left undisturbed except for a small amount of work at the waterlines where we are required to install a new meter and backflow preventor.

- 1.g: The applicant shall provide a photometric plan for the entire subject site. The plan shall include all exterior lighting fixtures on the entire site. Manufacturers cut-sheets shall be provided for each type of exterior lighting fixtures. The plan shall be wet-stamped by a professional engineer, licensed in the State of Nevada.

1.h: Light spill-over at any property line is prohibited.

1.i: All exterior lights shall emit light earthward only. No light may be emitted horizontally.

I have attached the photometric site plan from the most recent remodel of the church from 2007, along with the fixture schedule (see attached Electrical-2007.pdf). This was previously

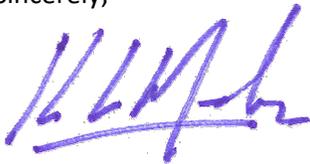
approved for that renovation. The plan shows that there is only a small amount of light spillover at the east parking lot, and at the entrances to the parking areas, where we are required to have light. The new addition has a downlight at the lower level entrance, and a downward directed light at the middle level exit (please see attached Electrical-2020.pdf, Electrical-2020_Cutsheets.pdf). Although a detailed analysis has not been conducted, these lights were selected to comply with TRPA requirements, are downward facing, and of sufficient distance from the property lines that they will not cause any spillover of lighting on the site (compliance with condition 1.i).

Based upon this information we respectfully request that conditions 1.e, 1.g, and 1.h be removed from the conditions of approval. Regarding condition 1.e the project disturbs only a small portion of the site which will be restored, and the remainder is already densely forested. Regarding conditions 1.g and 1.h, the site already has an approved photometric plan from the renovation in 2007 and the proposed exterior lights comply with condition 1.i and will not provide any spillover at the property lines.

We would also respectfully request that this memo be forwarded to the members of the Washoe County Board of Adjustment before the scheduled Board meeting on April 16, 2020 at 1:30 pm PDT

Thank you for your consideration. Please feel free to contact me should you have any questions.

Sincerely,

A handwritten signature in blue ink, appearing to read 'K. I. Merklings', written over a horizontal line.

Kevin I Merklings, AIA, NCARB
Project Architect
COLLABORATIVE DESIGN STUDIO





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A PROPOSED NEW REMODEL FOR

St. Francis Of Assisi Church
701 State Route 431
Incline Village, Nevada
APN 124-031-62

REVISIONS

SHEET TITLE

FIGURE SCHEDULE AND DETAILS

DATE: MT
DESIGN: JS
DATE: 23 MAY 2007
JOB NUMBER: # 070022

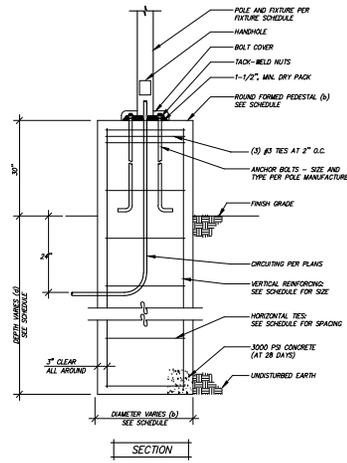
E0.2

LIGHTING FIXTURE POLE SCHEDULE	
CATALOG NUMBERS ARE SERIES TYPE ONLY. PROVIDE MOUNTING EQUIPMENT AND FITTINGS AS REQUIRED BY THE SPECIFICATIONS AND PROJECT CONDITIONS FOR A COMPLETE INSTALLATION. THIS IS NOT A STANDALONE SCHEDULE AND FIXTURES MUST INCORPORATE ALL WORK INDICATED OR IMPLIED THROUGHOUT THE DRAWINGS AND SPECIFICATIONS.	
TYPE	DESCRIPTION AND MANUFACTURER
P1	2" SQUARE STEEL POLE 20' IN LENGTH. POLE HEIGHT: 20 FEET MANUFACTURER: SPALLING SSS-20-40-1-A1-D8 SUBSTITUTIONS: # OR EQUAL. SUBJECT TO REVIEW. NO EQUAL
P2	4" SQUARE STEEL POLE 16' IN LENGTH. POLE HEIGHT: 16 FEET MANUFACTURER: SPALLING SSS-16-40-1-A1-D8 SUBSTITUTIONS: # OR EQUAL. SUBJECT TO REVIEW. NO EQUAL
P3	4" SQUARE STEEL POLE 14' IN LENGTH. POLE HEIGHT: 14 FEET MANUFACTURER: SPALLING SSS-14-40-1-A1-D8 SUBSTITUTIONS: # OR EQUAL. SUBJECT TO REVIEW. NO EQUAL
P4	4" SQUARE STEEL POLE 20' IN LENGTH. POLE HEIGHT: 20 FEET MANUFACTURER: SPALLING SSS-20-40-1-C1-D8 SUBSTITUTIONS: # OR EQUAL. SUBJECT TO REVIEW. NO EQUAL

POLE BASE SCHEDULE			
POLE	POLE HEIGHT	DIAMETER (D)	DEPTH (d)
P01	UP TO 12'-0"	18" DIAMETER	4.50'
P02	UP TO 12'-0"	24" DIAMETER	4.50'
P03	UP TO 16'-0"	18" DIAMETER	4.75'
P04	UP TO 16'-0"	24" DIAMETER	4.25'
P05	UP TO 20'-0"	24" DIAMETER	4.75'
P06	UP TO 20'-0"	30" DIAMETER	4.50'
P07	UP TO 20'-0"	24" DIAMETER	5.00'
P08	UP TO 20'-0"	30" DIAMETER	5.00'
P09	UP TO 20'-0"	24" DIAMETER	6.00'
P10	UP TO 20'-0"	30" DIAMETER	5.50'
P11	UP TO 20'-0"	24" DIAMETER	6.50'
P12	UP TO 20'-0"	30" DIAMETER	6.00'

DESIGN CRITERIA

- CODE: 2003 INTERNATIONAL BUILDING CODE
- WIND LOAD: 100 MPH EXPOSURE C
- ALLOWABLE LATERAL BEARING PRESSURE: 2000PSF/FT
- BASE LATERAL BEARING PRESSURE: 1000PSF/FT
- 1/2" INCREASE TWICE FOR WIND OR SEISMIC LOADS (NO TABLE (MMA), FOOTNOTE (2))
- 2" INCREASE, NOT AFFECTED BY 1/2" MOVEMENT (NO MMA.3.1)
- NONCONSTRAINED DESIGN ASSUMED
- EFFECTIVE PROJECTED AREA (EPAS) (2) FIXTURES X 3.0 SQ. FT. + 6 SQ. FT. (2 FIXTURES AT A 180 DEGREE ORIENTATION)
- 4000 PSF CONCRETE (AT 28 DAYS) WITH 6% AIR ENTRAINMENT

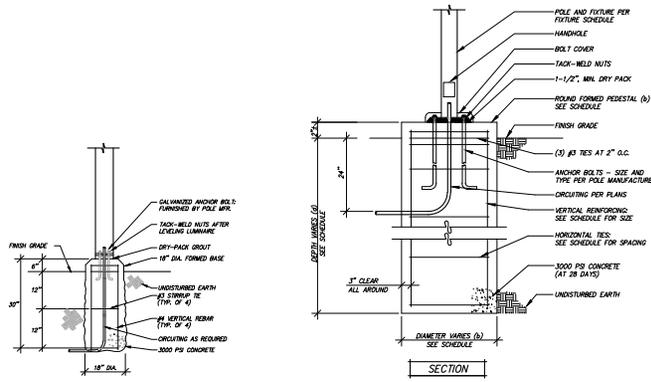


A POLE BASE DETAIL - PEDESTAL
SCALE: NOT TO SCALE

POLE BASE SCHEDULE			
POLE	POLE HEIGHT	DIAMETER (D)	DEPTH (d)
NP01	UP TO 12'-0"	18" DIAMETER	4.50'
NP02	UP TO 12'-0"	24" DIAMETER	3.75'
NP03	UP TO 16'-0"	18" DIAMETER	4.50'
NP04	UP TO 16'-0"	24" DIAMETER	4.25'
NP05	UP TO 20'-0"	18" DIAMETER	5.25'
NP06	UP TO 20'-0"	24" DIAMETER	4.75'
NP07	UP TO 20'-0"	24" DIAMETER	5.25'
NP08	UP TO 20'-0"	30" DIAMETER	4.75'
NP09	UP TO 20'-0"	24" DIAMETER	5.75'
NP10	UP TO 20'-0"	30" DIAMETER	5.25'
NP11	UP TO 20'-0"	24" DIAMETER	6.25'
NP12	UP TO 20'-0"	30" DIAMETER	5.75'

DESIGN CRITERIA

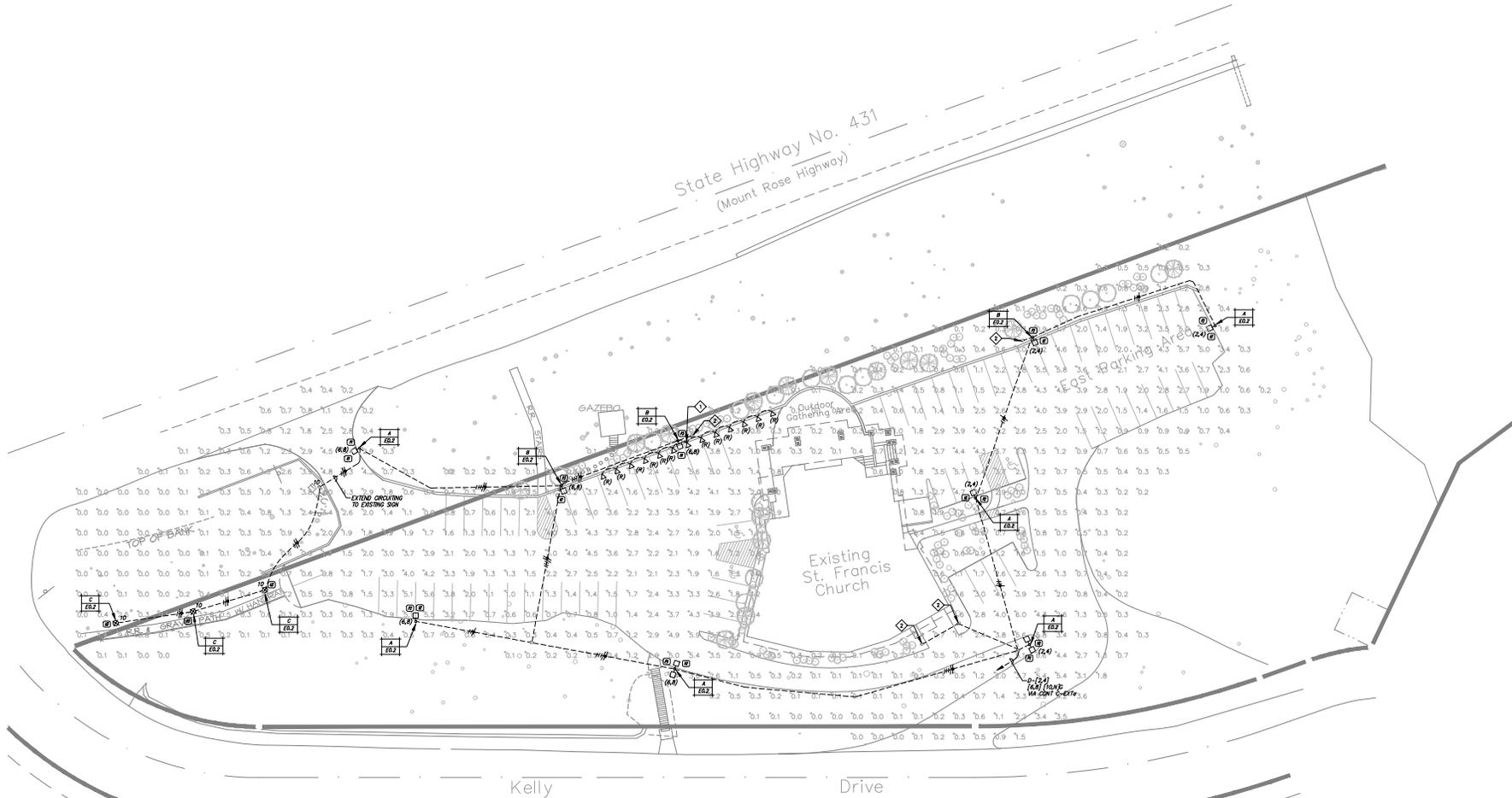
- CODE: 2003 INTERNATIONAL BUILDING CODE
- WIND LOAD: 100 MPH EXPOSURE C
- ALLOWABLE LATERAL BEARING PRESSURE: 2000PSF/FT
- BASE LATERAL BEARING PRESSURE: 1000PSF/FT
- 1/2" INCREASE TWICE FOR WIND OR SEISMIC LOADS (NO TABLE (MMA), FOOTNOTE (2))
- 2" INCREASE, NOT AFFECTED BY 1/2" MOVEMENT (NO MMA.3.1)
- NONCONSTRAINED DESIGN ASSUMED
- EFFECTIVE PROJECTED AREA (EPAS) (2) FIXTURES X 3.0 SQ. FT. + 6 SQ. FT. (2 FIXTURES AT A 180 DEGREE ORIENTATION)
- 4000 PSF CONCRETE (AT 28 DAYS) WITH 6% AIR ENTRAINMENT



B POLE BASE DETAIL - NON PEDESTAL
NO SCALE

C BOLLARD POLE BASE DETAIL
SCALE: NOT TO SCALE

LIGHTING FIXTURE SCHEDULE			
LIGHTING FIXTURE CATALOG NUMBERS ARE SERIES TYPE ONLY. PROVIDE TRIMS, BALLASTS, MOUNTING EQUIPMENT, FITTINGS AND LAMPS AS REQUIRED BY THE SPECIFICATIONS AND PROJECT CONDITIONS FOR A COMPLETE INSTALLATION. THIS IS NOT A STANDALONE SCHEDULE AND FIXTURES MUST INCORPORATE ALL WORK INDICATED OR IMPLIED THROUGHOUT THE DRAWINGS AND SPECIFICATIONS.			
TYPE	SYMBOL	SKETCH	DESCRIPTION AND MANUFACTURER
W1	□	---	HO METAL HALIDE 1-LAMP 1-HEAD POLE MOUNTED LUMINAIRE, FLAT LENS, HIGH POWER FACTOR BALLAST, TYPE A OR OPTICS. REFERENCE POLE BASE DETAIL B/E/C. SEE POLE SCHEDULE FOR POLE HEIGHT. MOUNTING HEIGHT: VARIOUS LAMP: (1) 400 PSW MANUFACTURER: SPALLING CM-A-PAD-HA-F-240-DB / AMB-ARM-C-5-S-D8 SUBSTITUTIONS: # OR EQUAL. SUBJECT TO REVIEW. NO EQUAL
W2	□	---	HO METAL HALIDE 2-LAMP 2-HEAD POLE MOUNTED LUMINAIRE, FLAT LENS, HIGH POWER FACTOR BALLAST, TYPE A OR OPTICS. REFERENCE POLE BASE DETAIL B/E/C. SEE POLE SCHEDULE FOR POLE HEIGHT. MOUNTING HEIGHT: VARIOUS LAMP: (2) 400 PSW MANUFACTURER: SPALLING CM-A-PAD-HA-F-240-DB / AMB-ARM-C-5-S-D8 SUBSTITUTIONS: # OR EQUAL. SUBJECT TO REVIEW. NO EQUAL
W3	⊗	---	HO METAL HALIDE 1-LAMP BOLLARD, DARK BRONZE FINISH AND HIGH POWER FACTOR BALLAST. SEE POLE BASE DETAIL B/E/D.2 MOUNTING HEIGHT: 650MM LAMP: (1) 20W MH MANUFACTURER: FOM LIGHTING SL1 20W DB-P SUBSTITUTIONS: # OR EQUAL. SUBJECT TO REVIEW. NO EQUAL INCANDESCENT 3 1/2" RECESSED, LOW PROFILE ADJUSTABLE DECORATIVE DOWNLIGHT WHITE FINISH
W4	⊙	---	MOUNTING HEIGHT: RECESSED, CEILING LAMP: (1) 50W MR16 MANUFACTURER: CONTRAST NIKROOM - 12000-01 SUBSTITUTIONS: # OR EQUAL. SUBJECT TO REVIEW. NO EQUAL INCANDESCENT 30% DECORATIVE PENDANT LUMINAIRE
W5	⊙	---	MOUNTING HEIGHT: PER INTERIOR/ARCHITECT LAMP: 100 WATTS VOLTAGE: 120V MANUFACTURER: LOWMAN DESIGN 30" LOTUS PENDANT SUBSTITUTIONS: # OR EQUAL. SUBJECT TO REVIEW. NO EQUAL INCANDESCENT 1/4" DECORATIVE PENDANT LUMINAIRE
W6	⊙	---	MOUNTING HEIGHT: PER INTERIOR/ARCHITECT LAMP: 100 WATTS VOLTAGE: 120V MANUFACTURER: LOWMAN DESIGN 14" LOTUS PENDANT SUBSTITUTIONS: # OR EQUAL. SUBJECT TO REVIEW. NO EQUAL INCANDESCENT SINGLE DOWNLIGHT SURFACE MOUNTED TRACK
W7	⊙	---	MOUNTING HEIGHT: CEILING LAMP: (1) 50W PAR30 PER HEAD VOLTAGE: 120V MANUFACTURER: PRESCOTT TRACK - ACTE-ARCT-2 / HEAD - ANTP02 SUBSTITUTIONS: # OR EQUAL. SUBJECT TO REVIEW. NO EQUAL INCANDESCENT DECORATIVE WALL SCENE
W8	⊙	---	NO IMAGE AVAILABLE MOUNTING HEIGHT: PER INTERIOR/ARCHITECT LAMP: 75 WATTS VOLTAGE: 120V MANUFACTURER: LOWMAN DESIGN LOTUS BALL LAMP EXTERIOR SUBSTITUTIONS: # OR EQUAL. SUBJECT TO REVIEW. NO EQUAL 1/2" VERTICAL DECORATIVE PENDANT LAMP
W9	⊙	---	NO IMAGE AVAILABLE MOUNTING HEIGHT: PER INTERIOR/ARCHITECT LAMP: 100 WATTS VOLTAGE: 120V MANUFACTURER: LOWMAN DESIGN EXTERIOR PENDANT SUBSTITUTIONS: # OR EQUAL. SUBJECT TO REVIEW. NO EQUAL INCANDESCENT DECORATIVE EXTERIOR WALL SCENE
W10	⊙	---	NO IMAGE AVAILABLE MOUNTING HEIGHT: PER INTERIOR/ARCHITECT LAMP: 100 WATTS VOLTAGE: 120V MANUFACTURER: LOWMAN DESIGN LOTUS BALL LAMP EXTERIOR SUBSTITUTIONS: # OR EQUAL. SUBJECT TO REVIEW. NO EQUAL 1/2" VERTICAL DECORATIVE PENDANT LAMP
W11	⊙	---	MOUNTING HEIGHT: CEILING LAMP: (1) 50W T8HO 4100K VOLTAGE: 120V MANUFACTURER: COLUMBIA CM-154-ERBHV-OSAR44 SUBSTITUTIONS: # OR EQUAL. SUBJECT TO REVIEW. NO EQUAL FLUORESCENT 4 FOOT, 1-LAMP, NARROW HOUSING STRIP FIXTURE WITH ELECTRONIC BALLAST
W12	⊙	---	MOUNTING HEIGHT: HARD LD, CEILING LAMP: (2) 50W T8HO 3500K VOLTAGE: 120V MANUFACTURER: COLUMBIA CM-154-ERBHV-OSAR44 SUBSTITUTIONS: # OR EQUAL. SUBJECT TO REVIEW. NO EQUAL 4" FLUORESCENT 1-LAMP RECESSED DOWNLIGHT WITH ELECTRONIC BALLAST
W13	⊙	---	MOUNTING HEIGHT: CEILING LAMP: (2) 50W QUAD TUBE 4100K VOLTAGE: 120V MANUFACTURER: PRESCOTT LPH020268 B6 60TH SUBSTITUTIONS: # OR EQUAL. SUBJECT TO REVIEW. NO EQUAL
W14	⊙	---	4" FLUORESCENT 1-LAMP RECESSED DOWNLIGHT WITH ELECTRONIC BALLAST AND EMERGENCY BATTERY PACK MOUNTING HEIGHT: CEILING LAMP: (2) 50W QUAD TUBE 4100K VOLTAGE: 120V MANUFACTURER: PRESCOTT LPH020268 B6 60TH SUBSTITUTIONS: # OR EQUAL. SUBJECT TO REVIEW. NO EQUAL
W15	⊙	---	MOUNTING HEIGHT: SURFACE LAMP: (1) 20W T8 3500K VOLTAGE: 120V MANUFACTURER: COLUMBIA CM-132-ERBHV SUBSTITUTIONS: # OR EQUAL. SUBJECT TO REVIEW. NO EQUAL FLUORESCENT 4 FOOT, 1-LAMP OPEN STRIP FIXTURE WITH ELECTRONIC BALLAST
W16	⊙	---	MOUNTING HEIGHT: SURFACE LAMP: (1) 20W T8 3500K VOLTAGE: 120V MANUFACTURER: COLUMBIA CM-132-ERBHV SUBSTITUTIONS: # OR EQUAL. SUBJECT TO REVIEW. NO EQUAL FLUORESCENT 48" SURFACE MOUNTED UNDER CABINET DISPLAY LIGHT, WHITE FINISH
W17	⊙	---	MOUNTING HEIGHT: UNDER CABINET LAMP: (1) 20W T8 3500K VOLTAGE: 120V MANUFACTURER: COLUMBIA CM-132-ERBHV SUBSTITUTIONS: # OR EQUAL. SUBJECT TO REVIEW. NO EQUAL FLUORESCENT 1-LAMP STEP LIGHT, DARK BRONZE FINISH
W18	⊙	---	MOUNTING HEIGHT: PER ARCHITECT LAMP: 100 WATTS VOLTAGE: 120V MANUFACTURER: GEVING LIGHTING LM2000-P11-130-08T SUBSTITUTIONS: # OR EQUAL. SUBJECT TO REVIEW. NO EQUAL
W19	⊙	---	LED COMBINATION EMERGENCY EGRESS FIXTURE AND EXIT SIGN WITH INTEGRAL BATTERY AND CHARGER MOUNTING HEIGHT: ABOVE DOOR LAMP: 150/277 VOLTAGE: 120/277 MANUFACTURER: TROMA LUMEN S # 3 0 120/277 H SUBSTITUTIONS: # OR EQUAL. SUBJECT TO REVIEW. NO EQUAL



SHEET NOTES

- ◊ RECONNECT EXISTING POWER SUPPLY OF EXISTING RELOCATED LIGHT FIXTURES TO CIRCUIT D-10 AS REQUIRED.
- ◊ PROVIDE N-9 PULLBOX FOR FUTURE LANDSCAPE AND BUILDING ACCENT LIGHTING.

A SITE ELECTRICAL PLAN

E1.1 SCALE: 1" = 30'-0"

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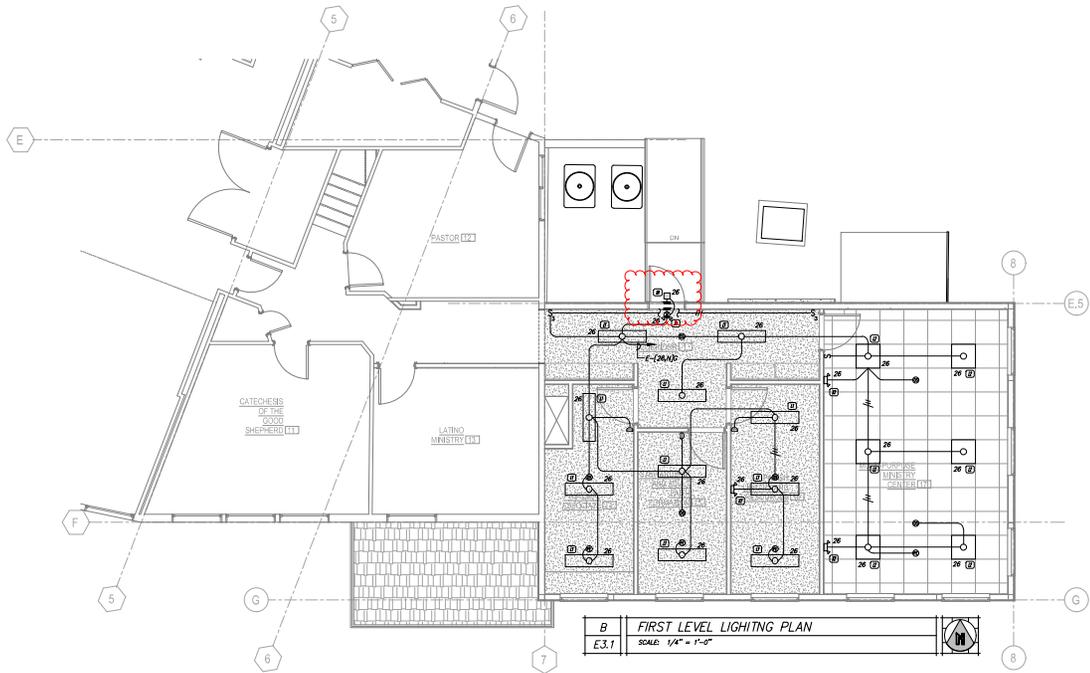
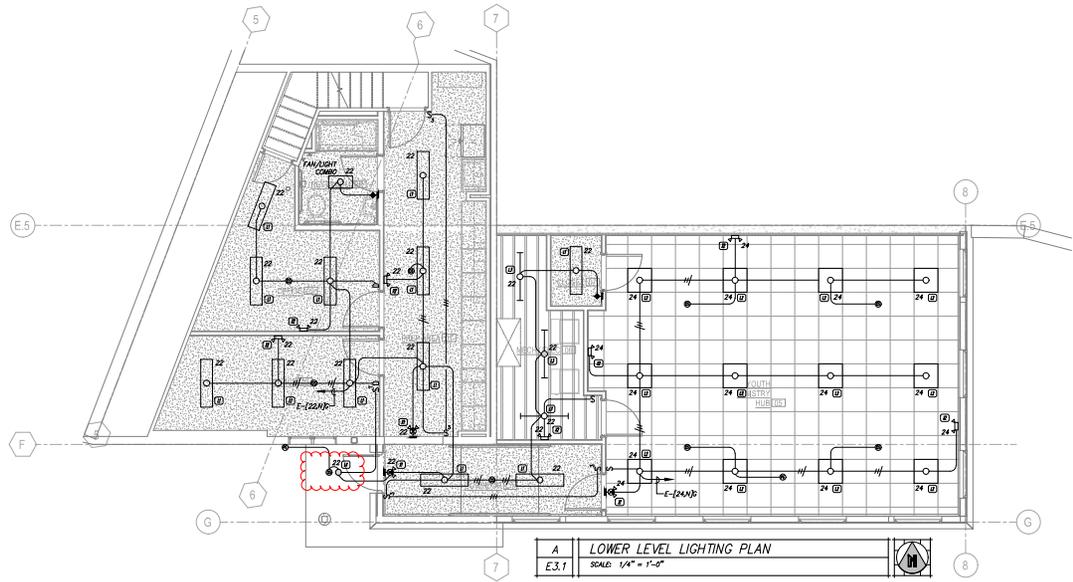
A PROPOSED NEW REMODEL FOR
St. Francis Of Assisi Church
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APN 124-031-62

REVISIONS

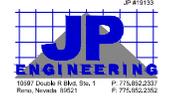
SHEET TITLE
SITE ELECTRICAL PLAN

DATE	MT
DESIGN	JS
DATE	23 MAY 2007
JOB NUMBER	# 07022

E1.1



COLLABORATIVE DESIGN STUDIO architecture of experience and place



ST. FRANCIS OF ASSISI - ADDITION

A.P.N. 124-031-62
701 MT ROSE HIGHWAY
INCLINE VILLAGE, NV 89451
WASHOE COUNTY

JOB NO: 202007
DATE: 17 JANUARY, 2020
REVISIONS:

PERMIT SET

LIGHTING PLANS

E3.1

FEATURES & SPECIFICATIONS

INTENDED USE — Typical applications include corridors, lobbies, conference rooms and private offices.
CONSTRUCTION — Galvanized steel mounting/plaster frame; galvanized steel junction box with bottom-hinged access covers and spring latches. Reflectors are retained by torsion springs.

Vertically adjustable mounting brackets with commercial bar hangers provide 3-3/4" total adjustment. Two combination 1/2"-3/4" and four 1/2" knockouts for straight-through conduit runs. Capacity: 8 (4 in, 4 out). No. 12 AWG conductors, rated for 90°C.

Accommodates 12"-24" joist spacing.

Passive cooling thermal management for 25°C standard; high ambient (40°C) option available. Light engine and drivers are accessible from above or below ceiling.

Max ceiling thickness 1-1/2".

OPTICS — LEDs are binned to a 3-step SDCM; 80 CRI minimum. 90 CRI optional.

LED light source concealed with diffusing optical lens.

General illumination lighting with 1.0 S/MH and 55° cutoff to source and source image.

Self-flanged anodized reflectors in specular, semi-specular, or matte diffuse finishes. Also available in white and black painted reflectors.

ELECTRICAL — Multi-volt (120-277V, 50/60Hz) 0-10V dimming drivers mounted to junction box, 10% or 1% minimum dimming level available.

0-10V dimming fixture requires two (2) additional low-voltage wires to be pulled.

70% lumen maintenance at 60,000 hours.

LISTINGS — Certified to US and Canadian safety standards. Wet location standard (covered ceiling). IP55 rated. ENERGY STAR® certified product.

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.

Catalog Number
Notes
Type



LDN6

**6" OPEN and WALLWASH LED
Non-IC
New Construction Downlight**



ORDERING INFORMATION

Lead times will vary depending on options selected. Consult with your sales representative.

Example: LDN6 35/15 L06AR LSS MVOLT EZ10

LDN6		Color temperature		Lumens ¹		Aperture/Trim Color		Finish		Voltage	
Series	LDN6 6" round	27/ 2700K	30/ 3000K	05 500 lumens	25 2500 lumens	L06 Downlight	AR Clear	LSS Semi-specular	MVOLT Multi-volt		
		35/ 3500K	40/ 4000K	07 750 lumens	30 3000 lumens	LW6 Wallwash	WR ² White	LD Matte diffuse	120 120V		
		50/ 5000K		10 1000 lumens	40 4000 lumens		BR ² Black	LS Specular	277 277V		
				15 1500 lumens	50 5000 lumens				347 ³ 347V		
				20 2000 lumens							

Driver	Options	
GZ10 0-10V driver dims to 10%	SF ⁴ Single fuse	N80 ⁸ nLight™ Lumen Compensation
GZ1 0-10V driver dims to 1%	TRW ⁵ White painted flange	NPS80EZ ⁷ nLight® dimming pack controls 0-10V eldoLED drivers (EZ10, EZ1).
EZ10 0-10V eldoLED driver with smooth and flicker-free deep dimming performance down to 10%	TRBL ⁵ Black painted flange	NPS80EZER ⁷ nLight® dimming pack controls 0-10V eldoLED drivers (EZ10, EZ1). ER controls fixtures on emergency circuit.
EZ1 0-10V eldoLED driver with smooth and flicker-free deep dimming performance down to 1%	EL ⁶ Emergency battery pack with integral test switch. 10W Constant Power, Not Certified in CA Title 20 MAEDBS	HAO ¹¹ High ambient option
	ELR ⁶ Emergency battery pack with remote test switch. 10W Constant Power, Not Certified in CA Title 20 MAEDBS	CP ¹² Chicago Plenum
	ELSD ⁶ Emergency battery pack with self-diagnostics, integral test switch. 10W Constant Power, Not Certified in CA Title 20 MAEDBS	RRL___ RELOC®-ready luminaire connectors enable a simple and consistent factory installed option across all ABL luminaire brands. Available only in RRLA, RRLB, RRLAE, and RRLC12S. Refer to RRL spec sheet on www.acuitybrands.com for the RELOC product specifications.
	ELRSD ⁶ Emergency battery pack with self-diagnostics, remote test switch. 10W Constant Power, Not Certified in CA Title 20 MAEDBS	NLTAIR2 ^{9,10} nLight® Air enabled
	E10WCP ⁶ Emergency battery pack, 10W Constant Power with integral test switch. Certified in CA Title 20 MAEDB	NLTAIRER2 ^{9,10} nLight® AIR Dimming Pack Wireless Controls. Controls fixtures on emergency circuit, not available with battery pack options
	E10WCPR ⁶ Emergency battery pack, 10W Constant Power with remote test switch. Certified in CA Title 20 MAEDB	USPOM US point of manufacture
	NPP16D ⁷ nLight® network power/relay pack with 0-10V dimming for non-eldoLED drivers (GZ10, GZ1).	90CRI High CRI (90+)
	NPP16DER ⁷ nLight® network power/relay pack with 0-10V dimming for non-eldoLED drivers (GZ10, GZ1). ER controls fixtures on emergency circuit.	

Accessories: Order as separate catalog number.	
PS1055CP	FMC Power Sentry battery pack, T20 compliant, field installable, 10w constant power
EAC ISSM 375	Compact interruptible emergency AC power system
EAC ISSM 125	Compact interruptible emergency AC power system
GRA68 JZ	Oversized trim ring with 8" outside diameter ¹
SCA6	Sloped ceiling adapter. Refer to TECH-SCA for more options.

Notes

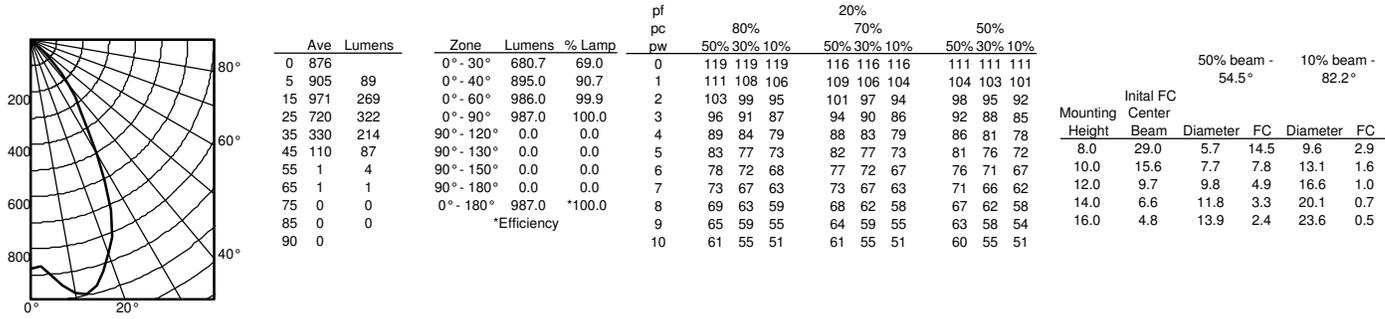
- Overall height varies based on lumen package; refer to dimensional chart on page 3.
- Not available with finishes.
- Not available with emergency options.
- Must specify voltage 120V or 277V.
- Available with clear (AR) reflector only.
- 12.5" of plenum depth or top access required for battery pack maintenance.
- Specify voltage. ER for use with generator supply EM power. Will require an emergency hot feed and normal hot feed.
- Fixture begins at 80% light level. Must be specified with NPS80EZ or NPS80EZ ER. Only available with EZ10 and EZ1 drivers.
- Not available with CP, NPS80EZ, NPS80EZER, NPP16D, NPP16DER or N80 options.
- NLTAIR2 and NLTAIRER2 not recommended for metal ceiling installations.
- Fixture height is 6.5" for all lumen packages with HAO.
- Must specify voltage for 3000lm and above. 5000lm with marked spacing 24 L x 24 W x 14 H. Not available with emergency battery pack option.

LDN6

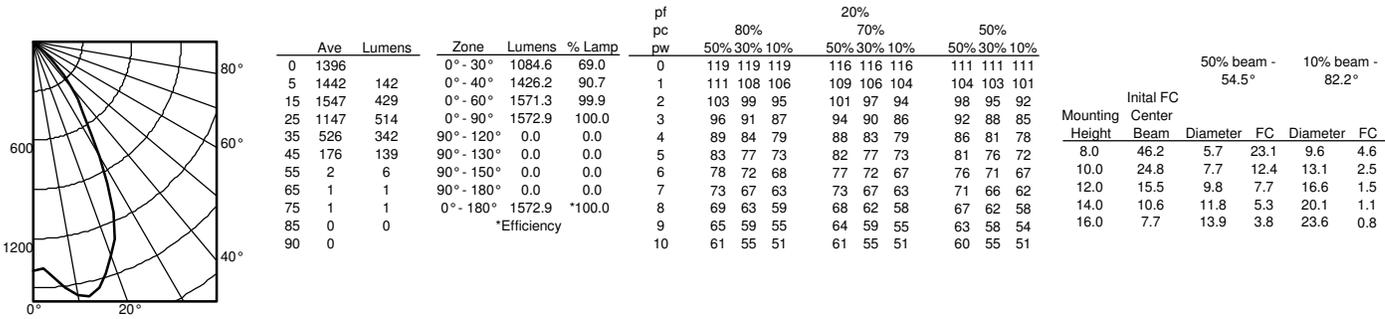
PHOTOMETRY

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

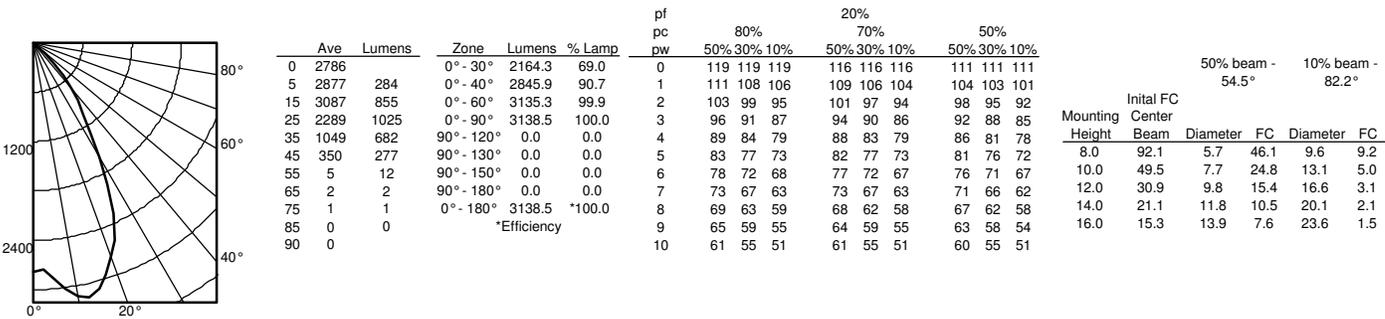
LDN6 35/10 L06AR, input watts: 10.44, delivered lumens: 987.10, LM/W = 94.54, spacing criterion at 0= 1.02, test no. ISF 30716P262.



LDN6 35/15 L06AR, input watts: 17.52, delivered lumens: 1572.9, LM/W = 89.77, spacing criterion at 0= 1.02, test no. ISF 30716P265.



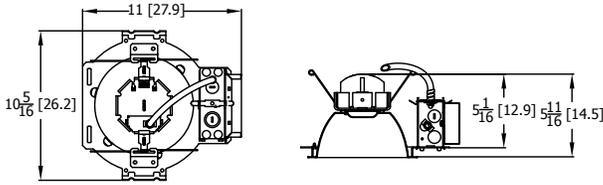
LDN6 35/30 L06AR, input watts: 34.75, delivered lumens: 3138.5, LM/W = 90.31, spacing criterion at 0= 1.02, test no. ISF 30716P274.



LDN6

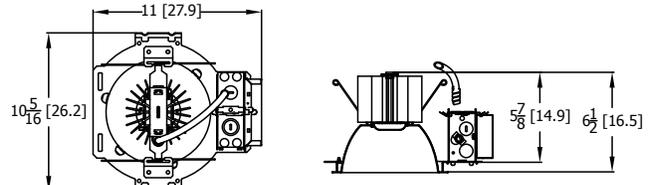
* All dimensions are inches (centimeters) unless otherwise noted.

LDN6 500-1500 LUMEN



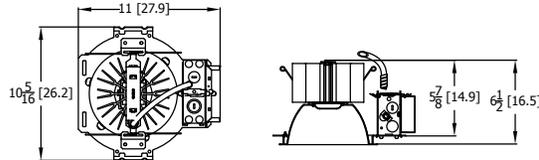
Aperture: 6-1/4 (15.9)
Ceiling Opening: 7-1/8 (18.1)
Overlap trim: 7-1/2 (19.1)

LDN6 2000-3000 LUMEN



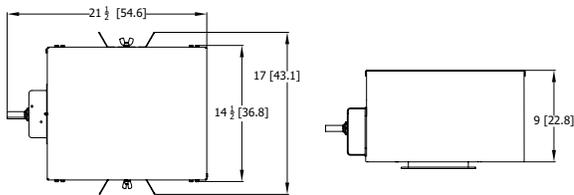
Aperture: 6-1/4 (15.9)
Ceiling Opening: 7-1/8 (18.1)
Overlap trim: 7-1/2 (19.1)

LDN6 4000-5000 LUMEN



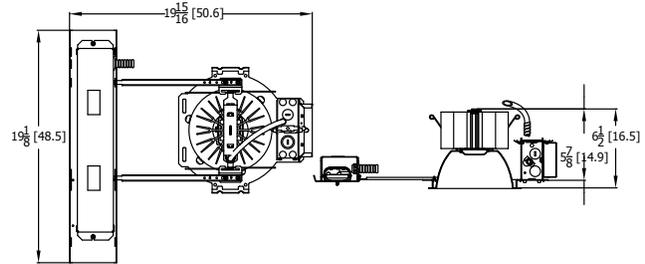
Marked Spacing: 24 x 24 x 10
Aperture: 6-1/4 (15.9)
Ceiling Opening: 7-1/8 (18.1)
Overlap trim: 7-1/2 (19.1)

LDN6 CP



Aperture: 6-1/4" (15.9)
Ceiling Opening: 7-1/8" (18.1)
Overlap trim: 7-1/2" (19.1)

LDN6 EL-ELR



Marked Spacing above 3000 lumen: 24 x 24 x 10
Aperture: 6-1/4 (15.9)
Ceiling Opening: 7-1/8 (18.1)
Overlap trim: 7-1/2 (19.1)

LDN6			
Nominal Lumens	Lumens	Wattage	Lm/W
500	527.9	5.8	90.5
750	758.1	8.9	85.1
1000	950.1	10.4	91.0
1500	1514	17.5	86.4
2000	2006	22.5	89.1
2500	2504	28.3	88.6
3000	3021	34.8	86.9
4000	4008	44.3	90.6
5000	4975	57.7	86.3

HOW TO ESTIMATE DELIVERED LUMENS IN EMERGENCY MODE

Use the formula below to estimate the delivered lumens in emergency mode

$$\text{Delivered Lumens} = 1.25 \times P \times \text{LPW}$$

P = Output power of emergency driver. P = 10W for PS1055CP

LPW = Lumen per watt rating of the luminaire. This information is available on the ABL luminaire spec sheet.

The LPW rating is also available at Designlight Consortium.

	LUMEN OUTPUT MULTIPLIERS - FINISH		
	Clear (AR)	White (WR)	Black (BR)
Specular (LS)	1.0	N/A	N/A
Semi-specular (LSS)	0.950	N/A	N/A
Matte diffuse (LD)	0.85	N/A	N/A
Painted	N/A	0.87	0.73

	LUMEN OUTPUT MULTIPLIERS - CCT				
	2700K	3000K	3500K	4000K	5000K
80CRI	0.950	0.966	1.000	1.025	1.101

Notes

- Tested in accordance with IESNA LM-79-08.
- Tested to current IES and NEMA standards under stabilized laboratory conditions.
- CRI: 80 typical.

ADDITIONAL DATA

COMPATIBLE 0-10V WALL-MOUNT DIMMERS		
MANUFACTURER	PART NO.	POWER BOOSTER AVAILABLE
Lutron®	Diva® DDTV	
	Diva® DVSTCTV	
	Nova T® NTFTV	
	Nova® NFTV	
Leviton®	AWSMT-7DW	CN100
	AWSMG-7DW	PE300
	AMRMG-7DW	
	Leviton Centura Fluorescent Control System	
	IllumaTech® IP7 Series	
Synergy®	ISD BC	RDMFC
	SLD LPCS	
	Digital Equinox (DEQ BC)	
Douglas Lighting Controls	WPC-5721	
Entertainment Technology	Tap Glide TG600FAM120 (120V)	
	Tap Glide Heatsink TGH1500FAM120 (120V)	
	Oasis 0A2000FAMU	
Honeywell	EL7315A1019	EL7305A1010 (optional)
	EL7315A1009	
HUNT Dimming	Preset slide: PS-010-IV and PS-010-WH	
	Preset slide: PS-010-3W-IV and PS-010-3W-WH	
	Preset slide, controls FD-010: PS-IFC-010-IV and PS-IFC-010-WH-120/277V	
	Preset slide, controls FD-010: PS-IFC-010-3W-IV and PS-IFC-010-3W-WH-120/277V	
	Remote mounted unit: FD-010	
Lehigh Electronic Products	Solitaire	PBX
PDM Electrical Products	WPC-5721	
Starfield Controls	TR61 with DALI interface port	RT03 DALInet Router
WattStopper®	LS-4 used with LCD-101 and LCD-103	

A+ Capable Luminaire

This item is an A+ capable luminaire, which has been designed and tested to provide consistent color appearance and out-of-the-box control compatibility with simple commissioning.

- All configurations of this luminaire meet the Acuity Brands' specification for chromatic consistency
- This luminaire is part of an A+ Certified solution for nLight® control networks when ordered with drivers marked by a shaded background*
- This luminaire is part of an A+ Certified solution for nLight control networks, providing advanced control functionality at the luminaire level, when selection includes driver and control options marked by a shaded background*

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

*See ordering tree for details

LDN6

EXAMPLE

Group Fixture Control*

*Application diagram applies for fixtures with eldoLED drivers only.

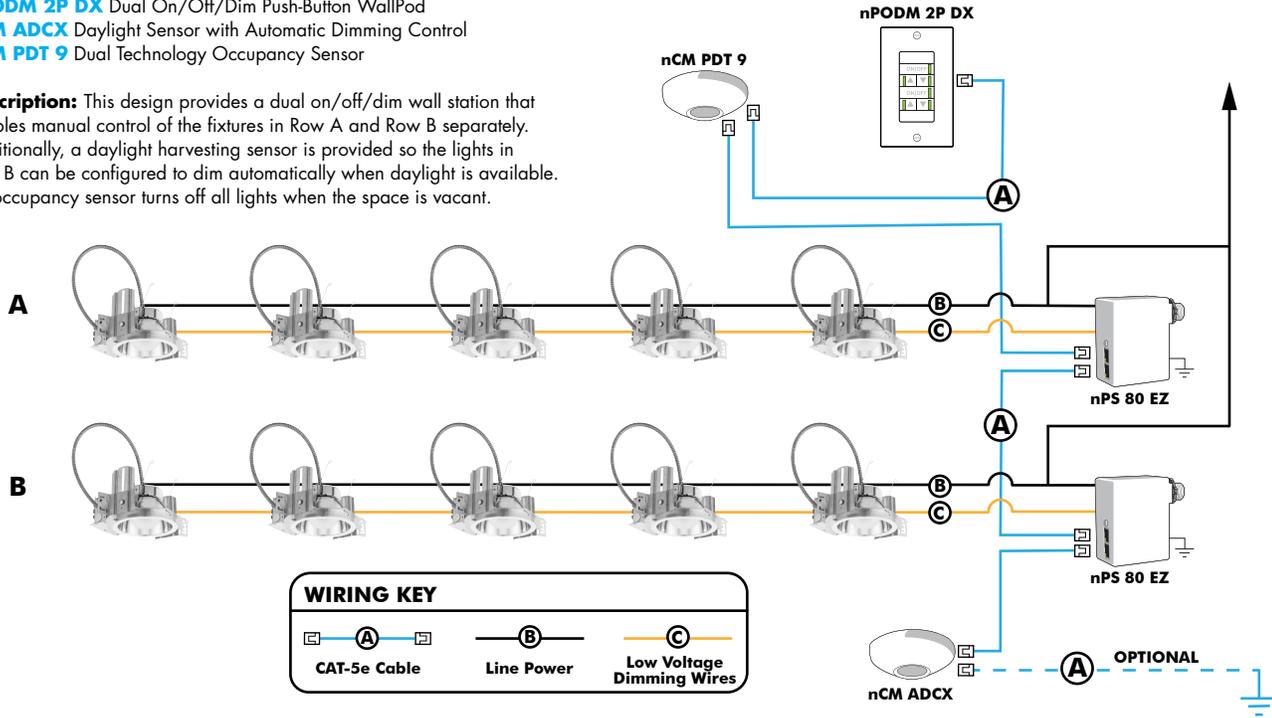
nPS 80 EZ Dimming/Control Pack (qty: 2 required)

nPODM 2P DX Dual On/Off/Dim Push-Button WallPod

nCM ADCX Daylight Sensor with Automatic Dimming Control

nCM PDT 9 Dual Technology Occupancy Sensor

Description: This design provides a dual on/off/dim wall station that enables manual control of the fixtures in Row A and Row B separately. Additionally, a daylight harvesting sensor is provided so the lights in Row B can be configured to dim automatically when daylight is available. An occupancy sensor turns off all lights when the space is vacant.



Choose Wall Controls

nLight offers multiple styles of wall controls - each with varying features and user experience.



Push-Button Wallpod

Traditional tactile buttons and LED user feedback



Graphic Wallpod

Full color touch screen provides a sophisticated look and feel

nLight® Wired Controls Accessories:

Order as separate catalog number. Visit www.acuitybrands.com/products/controls/nlight for complete listing of nLight controls.

WallPod Stations	Model number	Occupancy sensors	Model Number
On/Off	nPODM (Color)	Small motion 360°, ceiling (PIR/dual Tech)	nCM 9 / nCM PDT 9
On/Off & Raise/Lower	nPOD DX (Color)	Large motion 360°, ceiling (PIR/dual tech)	nCM 10 / nCM PDT 10
Graphic Touchscreen	nPOD GFX (Color)	Wide View (PIR/dual tech)	nWV 16 / nWV PDT 16
Photocell controls	Model Number	Wall Switch w/ Raise/Lower (PIR/dual tech)	nWSX LV DX / nWSX PDT LV DX
Dimming	nCM ADCX	Cat-5 cables (plenum rated)	Model Number
		10', CAT5 10FT	CAT5 10FT J1
		15', CAT5 15FT	CAT5 15FT J1

nLight® AIR Control Accessories:

Order as separate catalog number. Visit www.acuitybrands.com/products/controls/nlightair.

Wall switches

	Model number
On/Off single pole	rPODB [color]
On/Off two pole	rPODB 2P [color]
On/Off & raise/lower single pole	rPODB DX [color]
On/Off & raise/lower two pole	rPODB 2P DX [color]
On/Off & raise/lower single pole	rPODBZ DX WH ¹

Notes

1 Can only be ordered with the RES7Z zone control sensor version.

nLight AIR

nLight AIR is the ideal solution for retrofit or new construction spaces where adding communication is cost prohibitive. The integrated nLight AIR rPP20 Power Pack is part of each Lithonia LDN Luminaire. These individually addressable controls offer the ultimate in flexibility during initial setup and for space repurposing.



Simple as 1,2,3

1. Install the nLight® AIR fixtures with embedded smart sensor
2. Install the wireless battery-powered wall switch
3. With CLAIRITY app, pair the fixtures with the wall switch and if desired, customize the sensor settings for the desired outcome





D-Series Size 1 LED Wall Luminaire



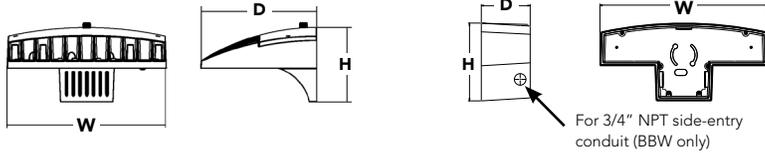
d#series

Specifications Luminaire

Width:	13-3/4" (34.9 cm)	Weight:	12 lbs (5.4 kg)
Depth:	10" (25.4 cm)		
Height:	6-3/8" (16.2 cm)		

Back Box (BBW, ELCW)

Width:	13-3/4" (34.9 cm)	BBW Weight:	5 lbs (2.3 kg)
Depth:	4" (10.2 cm)	ELCW Weight:	10 lbs (4.5 kg)
Height:	6-3/8" (16.2 cm)		



Catalog Number
Notes
Type

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

Introduction

The D-Series Wall luminaire is a stylish, fully integrated LED solution for building-mount applications. It features a sleek, modern design and is carefully engineered to provide long-lasting, energy-efficient lighting with a variety of optical and control options for customized performance.

With an expected service life of over 20 years of nighttime use and up to 74% in energy savings over comparable 250W metal halide luminaires, the D-Series Wall is a reliable, low-maintenance lighting solution that produces sites that are exceptionally illuminated.

Ordering Information

EXAMPLE: DSXW1 LED 20C 1000 40K T3M MVOLT DBBTD

Series	LEDs	Drive Current	Color temperature	Distribution	Voltage	Mounting	Control Options
DSXW1 LED	10C 10 LEDs (one engine) 20C 20 LEDs (two engines) ¹	350 350 mA 530 530 mA 700 700 mA 1000 1000 mA (1 A) ¹	30K 3000 K 40K 4000 K 50K 5000 K AMBPC Amber phosphor converted	T2S Type II Short T2M Type II Medium T3S Type III Short T3M Type III Medium T4M Type IV Medium TFTM Forward Throw Medium	MVOLT ² 120 ³ 208 ³ 240 ³ 277 ³ 347 ^{3,4} 480 ^{3,4}	Shipped included (blank) Surface mounting bracket BBW Surface-mounted back box (for conduit entry) ⁵	Shipped installed PE Photoelectric cell, button type ⁶ DMG 0-10v dimming wires pulled outside fixture (for use with an external control, ordered separately) PIR 180° motion/ambient light sensor, <15' mtg ht ^{1,7} PIRH 180° motion/ambient light sensor, 15-30' mtg ht ^{1,7} PIR1FC3V Motion/ambient sensor, 8-15' mounting height, ambient sensor enabled at 1fc ^{1,7} PIRH1FC3V Motion/ambient sensor, 15-30' mounting height, ambient sensor enabled at 1fc ^{1,7} ELCW Emergency battery backup (includes external component enclosure), CA Title 20 Noncompliant ^{8,9}

Other Options	Finish (required)
Shipped installed SF Single fuse (120, 277 or 347V) ^{3,10} DF Double fuse (208, 240 or 480V) ^{3,10} HS House-side shield ¹¹ SPD Separate surge protection ¹²	Shipped separately¹¹ BSW Bird-deterrent spikes VG Vandal guard DDL Diffused drop lens DDBXD Dark bronze DBLXD Black DNAXD Natural aluminum DWHXD White DSSXD Sandstone DDBTXD Textured dark bronze DBLBXD Textured black DNATXD Textured natural aluminum DWHGXD Textured white DSSTXD Textured sandstone

Accessories

Ordered and shipped separately.

DSXWHS U	House-side shield (one per light engine)
DSXWBSW U	Bird-deterrent spikes
DSXWVG U	Vandal guard accessory

NOTES

- 20C 1000 is not available with PIR, PIRH, PIR1FC3V or PIRH1FC3V.
- MVOLT driver operates on any line voltage from 120-277V (50/60 Hz).
- Single fuse (SF) requires 120, 277 or 347 voltage option. Double fuse (DF) requires 208, 240 or 480 voltage option.
- Only available with 20C, 700mA or 1000mA. Not available with PIR or PIRH.
- Back box ships installed on fixture. Cannot be field installed. Cannot be ordered as an accessory.
- Photocontrol (PE) requires 120, 208, 240, 277 or 347 voltage option. Not available with motion/ambient light sensors (PIR or PIRH).
- Reference Motion Sensor table on page 3.
- Cold weather (-20C) rated. Not compatible with conduit entry applications. Not available with BBW mounting option. Not available with fusing. Not available with 347 or 480 voltage options. Emergency components located in back box housing. Emergency mode IES files located on product page at www.lithonia.com
- Not available with SPD.
- Not available with ELCW.
- Also available as a separate accessory; see Accessories information.
- Not available with ELCW.



COMMERCIAL OUTDOOR

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Electrical-2020_Cutsheets

DSXW1-LED
 Rev. 2/05/20

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.

LEDs	Drive Current (mA)	System Watts	Dist. Type	30K (3000 K, 70CRI)					40K (4000 K, 70CRI)					50K (5000 K, 70CRI)					AMBPC (Amber Phosphor Converted)				
				Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW
10C (10 LEDs)	350mA	13W	T2S	1,415	0	0	1	109	1,520	0	0	1	117	1,530	0	0	1	118	894	0	0	1	69
			T2M	1,349	0	0	1	104	1,448	0	0	1	111	1,458	0	0	1	112	852	0	0	1	66
			T3S	1,399	0	0	1	108	1,503	0	0	1	116	1,512	0	0	1	116	884	0	0	1	68
			T3M	1,385	0	0	1	107	1,488	0	0	1	114	1,497	0	0	1	115	876	0	0	1	67
			T4M	1,357	0	0	1	104	1,458	0	0	1	112	1,467	0	0	1	113	858	0	0	1	66
			TFTM	1,411	0	0	1	109	1,515	0	0	1	117	1,525	0	0	1	117	892	0	0	1	69
	ASDF	1,262	1	0	1	97	1,354	1	0	1	104	1,363	1	0	1	105	797	0	0	1	61		
	530 mA	19W	T2S	2,053	1	0	1	108	2,205	1	0	1	116	2,220	1	0	1	117	1,264	0	0	1	67
			T2M	1,957	1	0	1	103	2,102	1	0	1	111	2,115	1	0	1	111	1,205	0	0	1	63
			T3S	2,031	1	0	1	107	2,181	1	0	1	115	2,194	1	0	1	115	1,250	0	0	1	66
			T3M	2,010	1	0	1	106	2,159	1	0	1	114	2,172	1	0	1	114	1,237	0	0	1	65
			T4M	1,970	1	0	1	104	2,115	1	0	1	111	2,129	1	0	1	112	1,212	0	0	1	64
			TFTM	2,047	0	0	1	108	2,198	1	0	1	116	2,212	1	0	1	116	1,260	0	0	1	66
	ASDF	1,831	1	0	1	96	1,966	1	0	1	103	1,978	1	0	1	104	1,127	0	0	1	59		
	700 mA	26W	T2S	2,623	1	0	1	101	2,816	1	0	1	108	2,834	1	0	1	109	1,544	0	0	1	59
			T2M	2,499	1	0	1	96	2,684	1	0	1	103	2,701	1	0	1	104	1,472	0	0	1	57
			T3S	2,593	1	0	1	100	2,785	1	0	1	107	2,802	1	0	1	108	1,527	0	0	1	59
			T3M	2,567	1	0	1	99	2,757	1	0	1	106	2,774	1	0	1	107	1,512	0	0	1	58
			T4M	2,515	1	0	1	97	2,701	1	0	1	104	2,718	1	0	1	105	1,481	0	0	1	57
			TFTM	2,614	1	0	1	101	2,808	1	0	1	108	2,825	1	0	1	109	1,539	0	0	1	59
	ASDF	2,337	1	0	1	90	2,510	1	0	1	97	2,525	1	0	1	97	1,376	1	0	1	53		
	1000 mA	39W	T2S	3,685	1	0	1	94	3,957	1	0	1	101	3,982	1	0	1	102	2,235	1	0	1	57
			T2M	3,512	1	0	1	90	3,771	1	0	1	97	3,794	1	0	1	97	2,130	1	0	1	55
			T3S	3,644	1	0	1	93	3,913	1	0	1	100	3,938	1	0	1	101	2,210	1	0	1	57
T3M			3,607	1	0	1	92	3,873	1	0	1	99	3,898	1	0	1	100	2,187	1	0	1	56	
T4M			3,534	1	0	2	91	3,796	1	0	2	97	3,819	1	0	2	98	2,143	1	0	1	55	
TFTM			3,673	1	0	1	94	3,945	1	0	1	101	3,969	1	0	1	102	2,228	1	0	1	57	
ASDF	3,284	1	0	2	84	3,527	1	0	2	90	3,549	1	0	2	91	1,992	1	0	1	51			
20C (20 LEDs)	350mA	23W	T2S	2,820	1	0	1	123	3,028	1	0	1	132	3,047	1	0	1	132	1,777	1	0	1	77
			T2M	2,688	1	0	1	117	2,886	1	0	1	125	2,904	1	0	1	126	1,693	1	0	1	74
			T3S	2,789	1	0	1	121	2,994	1	0	1	130	3,014	1	0	1	131	1,757	0	0	1	76
			T3M	2,760	1	0	1	120	2,965	1	0	1	129	2,983	1	0	1	130	1,739	1	0	1	76
			T4M	2,704	1	0	1	118	2,905	1	0	1	126	2,922	1	0	1	127	1,704	1	0	1	74
			TFTM	2,811	1	0	1	122	3,019	1	0	1	131	3,038	1	0	1	132	1,771	0	0	1	77
	ASDF	2,514	1	0	1	109	2,699	1	0	1	117	2,716	1	0	1	118	1,584	1	0	1	69		
	530 mA	35W	T2S	4,079	1	0	1	117	4,380	1	0	1	125	4,407	1	0	1	126	2,504	1	0	1	72
			T2M	3,887	1	0	1	111	4,174	1	0	1	119	4,201	1	0	1	120	2,387	1	0	1	68
			T3S	4,033	1	0	1	115	4,331	1	0	1	124	4,359	1	0	1	125	2,477	1	0	1	71
			T3M	3,993	1	0	2	114	4,288	1	0	2	123	4,315	1	0	2	123	2,451	1	0	1	70
			T4M	3,912	1	0	2	112	4,201	1	0	2	120	4,227	1	0	2	121	2,402	1	0	1	69
			TFTM	4,066	1	0	2	116	4,366	1	0	2	125	4,394	1	0	2	126	2,496	1	0	1	71
	ASDF	3,636	1	0	2	104	3,904	1	0	2	112	3,928	1	0	2	112	2,232	1	0	1	64		
	700 mA	46W	T2S	5,188	1	0	1	113	5,572	1	0	1	121	5,607	1	0	1	122	3,065	1	0	1	67
			T2M	4,945	1	0	2	108	5,309	1	0	2	115	5,343	1	0	2	116	2,921	1	0	1	64
			T3S	5,131	1	0	2	112	5,510	1	0	2	120	5,544	1	0	2	121	3,031	1	0	1	66
			T3M	5,078	1	0	2	110	5,454	1	0	2	119	5,487	1	0	2	119	3,000	1	0	1	65
			T4M	4,975	1	0	2	108	5,343	1	0	2	116	5,376	1	0	2	117	2,939	1	0	1	64
			TFTM	5,172	1	0	2	112	5,554	1	0	2	121	5,589	1	0	2	122	3,055	1	0	1	66
	ASDF	4,624	1	0	2	101	4,965	1	0	2	108	4,996	1	0	2	109	2,732	1	0	1	59		
	1000 mA	73W	T2S	7,204	1	0	2	99	7,736	2	0	2	106	7,784	2	0	2	107	4,429	1	0	1	61
			T2M	6,865	1	0	2	94	7,373	2	0	2	101	7,419	2	0	2	102	4,221	1	0	1	58
			T3S	7,125	1	0	2	98	7,651	1	0	2	105	7,698	1	0	2	105	4,380	1	0	1	60
T3M			7,052	1	0	2	97	7,573	2	0	2	104	7,620	2	0	2	104	4,335	1	0	2	59	
T4M			6,909	1	0	2	95	7,420	1	0	2	102	7,466	1	0	2	102	4,248	1	0	2	58	
TFTM			7,182	1	0	2	98	7,712	1	0	2	106	7,761	1	0	2	106	4,415	1	0	2	60	
ASDF	6,421	2	0	2	88	6,896	2	0	3	94	6,938	2	0	3	95	3,947	1	0	2	54			

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	0.98

Projected LED Lumen Maintenance

Data references the extrapolated performance projections for the DSXW1 LED 20C 1000 platform 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	1.0	0.95	0.93	0.88

Electrical Load

LEDs	Drive Current (mA)	System Watts	Current (A)					
			120V	208V	240V	277V	347V	480V
10C	350	14 W	0.13	0.07	0.06	0.06	-	-
	530	20 W	0.19	0.11	0.09	0.08	-	-
	700	27 W	0.25	0.14	0.13	0.11	-	-
	1000	40 W	0.37	0.21	0.19	0.16	-	-
20C	350	24 W	0.23	0.13	0.12	0.10	-	-
	530	36 W	0.33	0.19	0.17	0.14	-	-
	700	47 W	0.44	0.25	0.22	0.19	0.15	0.11
	1000	74 W	0.69	0.40	0.35	0.30	0.23	0.17

Motion Sensor Default Settings

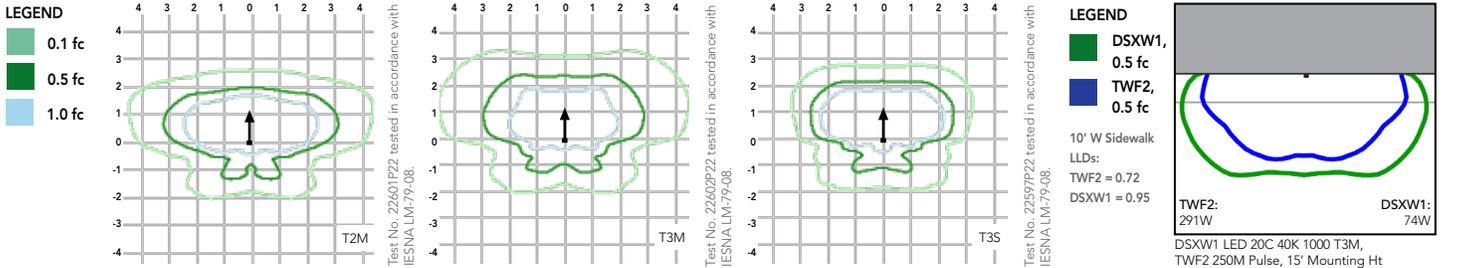
Option	Dimmed State	High Level (when triggered)	Photocell Operation	Dwell Time	Ramp-up Time	Ramp-down Time
*PIR or PIRH	3V (37%) Output	10V (100%) Output	Enabled @ 5FC	5 min	3 sec	5 min
PIR1FC3V or PIRH1FC3V	3V (37%) Output	10V (100%) Output	Enabled @ 1FC	5 min	3 sec	5 min

*for use with site wide Dusk to Dawn control

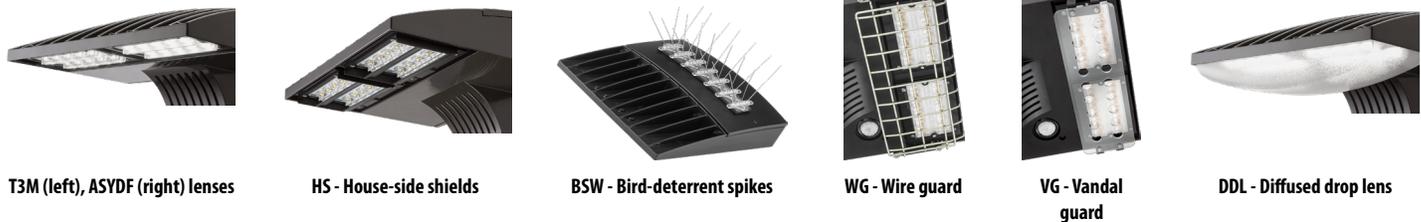
Photometric Diagrams

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

Isofootcandle plots for the DSXW1 LED 20C 1000 40K. Distances are in units of mounting height (15').



Options and Accessories



FEATURES & SPECIFICATIONS

INTENDED USE

The energy savings, long life and easy-to-install design of the D-Series Wall Size 1 make it the smart choice for building-mounted doorway and pathway illumination for nearly any facility.

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. The LED driver is mounted to the door to thermally isolate it from the light engines for low operating temperature and long life. Housing is completely sealed against moisture and environmental contaminants (IP65).

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 textured and non-textured finishes.

OPTICS

Precision-molded proprietary acrylic lenses provide multiple photometric distributions tailored specifically to building mounted applications. Light engines are available in 3000 K (70 min. CRI), 4000 K (70 min. CRI) or 5000 K (70 min. CRI) configurations.

ELECTRICAL

Light engine(s) consist of 10 high-efficacy LEDs mounted to a metal-core circuit board to maximize heat dissipation and promote long life (L88/100,000 hrs at 25°C). Class 1 electronic drivers have a power factor >90%, THD <20%, and a minimum 2.5KV surge rating. When ordering the SPD option, a separate surge protection device is installed within the luminaire which meets a minimum Category C Low (per ANSI/IEEE C62.41.2).

INSTALLATION

Included universal mounting bracket attaches securely to any 4" round or square outlet box for quick and easy installation. Luminaire has a slotted gasket wireway and attaches to the mounting bracket via corrosion-resistant screws.

LISTINGS

CSA certified to U.S. and Canadian standards. Rated for -40°C minimum ambient.

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/QPL to confirm which versions are qualified.

WARRANTY

Five-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.



COMMERCIAL OUTDOOR

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Electrical-2020_Cutsheets

DSXW1-LED
Rev. 2/05/20



