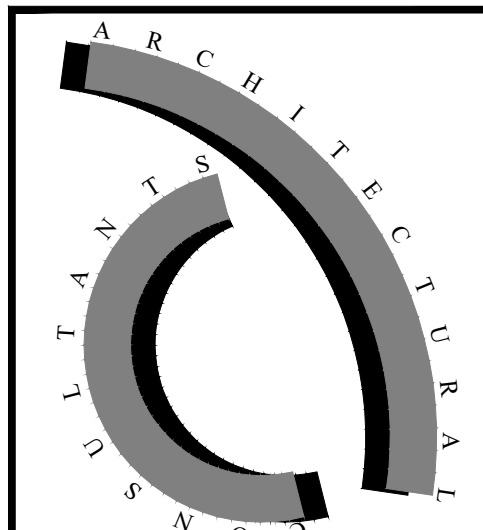
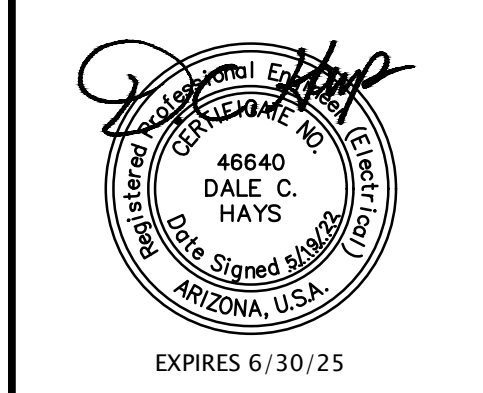




ARC Services Inc.
14010 N. SUSSEX PLACE
Fountain Hills, Arizona 85268

phone (480)-837-0761
fax (480)-907-1135

seal



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- revisions
- 1 5/21/21 - CITY 1ST REVIEW
 - 2 5/21/21 - Q.C.
 - 3 5/14/22 - 2-STORY CONV.

**VAL VISTA
SELF STORAGE**
104 NORTH VAL VISTA DRIVE
MESA, ARIZONA 85213

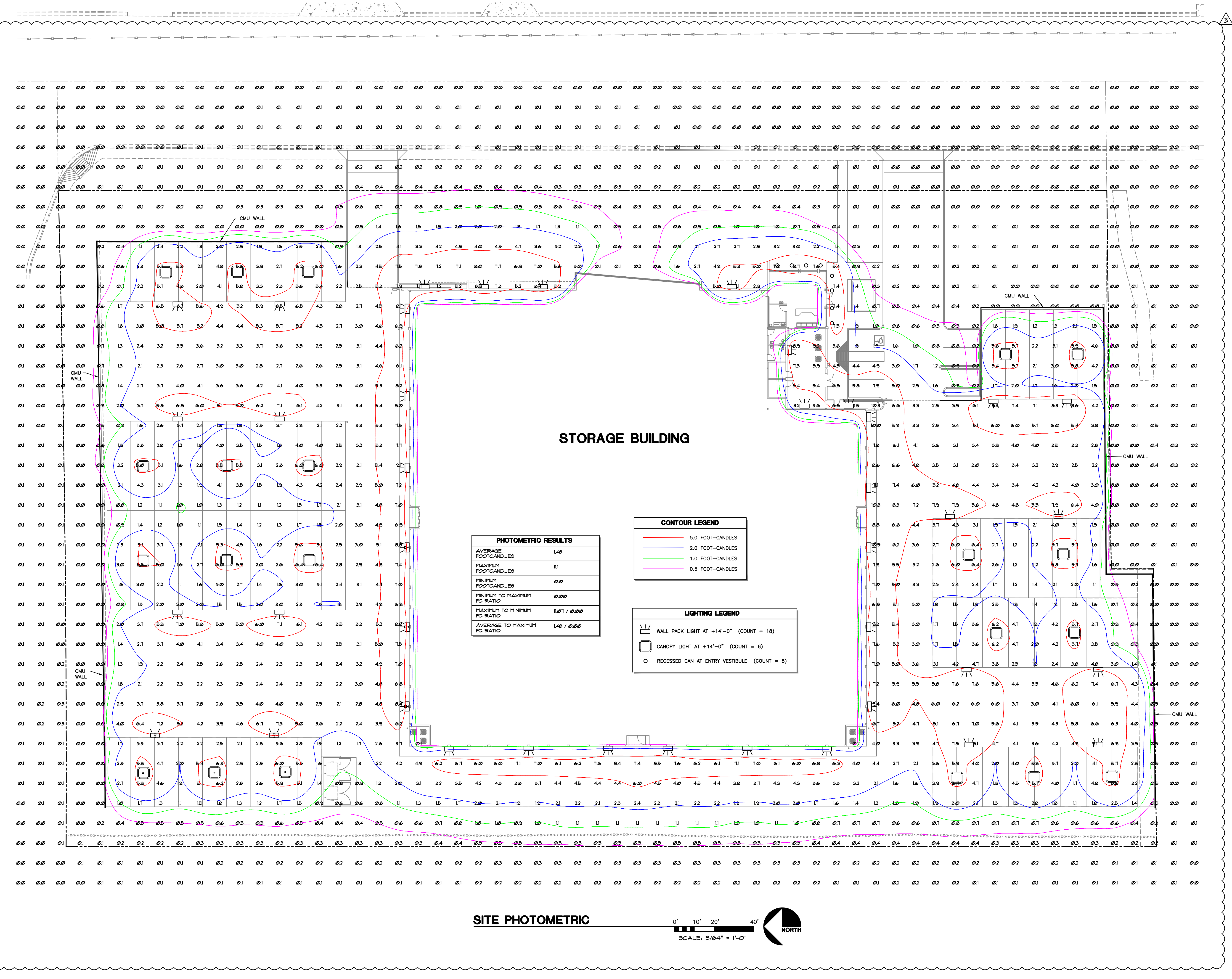
Title: SITE PHOTOMETRIC

Date: 04/17/20
Project number: VVS20
Drawn by: DCH
Checked by: PAG
CAD file: E2.0

- ☐ Design Development
- ☐ Progress Const. Docs.
- ☒ City Submittal
- ☒ Bid Package
- ☐ Construction Issue
- ☐ Record Drawings

Sheet Number:

E2.0



E-WFG Series

LED Full Cutoff Architectural Wall Pack
Replaces up to 250W MH



If Indiana Jones was a wall pack. Okay, not exactly. But these LED Architectural Wall Packs sure are tall, dark, and affordable.

Recommended Use

- Security
- Pathways
- Perimeter Lighting

Input Voltage

- Universal (120V through 277V Operation)

Versatile

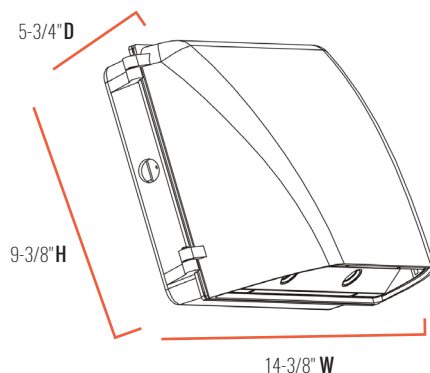
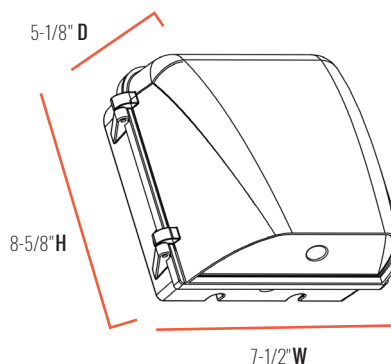
- Multiple output options in the same form factor and family style allow for a similar look that meets the needs of your whole facility.
- Complete offering in 3000K, 4000K, and 5000K

Certifications



"WARNING - Cancer and Reproductive Harm -
www.p65warnings.ca.gov"



E-WFG Series**E-WFG04 & E-WFG08****E-WFG01 & E-WFG03****Series Overview**

DIMENSIONS	PRODUCT WEIGHT	MOUNTING HEIGHT	SPACING
E-WFG04 & E-WFG08 14-3/8"W x 9-3/8"H x 5-3/4"D	8.6 lbs.	8 to 15 feet (E-WFG04) 15 to 20 feet (E-WFG08)	2 to 3 times the mounting height
E-WFG01 & E-WFG03 7-1/2"W x 8-5/8"H x 5-1/8"D	4.8 lbs.	10 to 18 feet	

Fixture Specifications

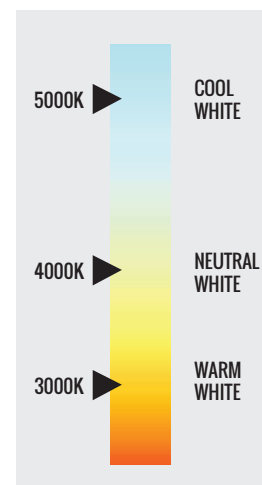
HOUSING	Durable, die cast aluminum heat sink & housing UV stabilized dark bronze polyester powder-coat finish
LENS ASSEMBLY	Impact resistant tempered glass, metal reflector
MOUNTING	Preset drilling locations/hole pattern for center mount j-box as well as traditional offset j-box location for quick and easy installation

Electrical Performance

OPERATING RANGE	LIFESPAN L_{70} AT 25°C (77°F)	POWER FACTOR	TOTAL HARMONIC DISTORTION	DIMMABLE
-40°C (-40°F)	Estimated >100,000 Hours	> 0.9	< 20%	No
INPUT VOLTAGE (CURRENT DRAW)	120V	208V	240V	277V
E-WFG08A	0.61A	0.35A	0.30A	0.26A
E-WFG04A	0.29A	0.17A	0.15A	0.13A
E-WFG03A	0.23A	0.13A	0.12A	0.10A
E-WFG01A	0.09A	0.05A	0.05A	0.04A

Warranty & Certifications

WARRANTY	cULus LISTED
5-Year Limited	Wet Locations

CORRELATED COLOR TEMPERATURE (CCT)

E-WFG Series

Output Specifications

SKU	LIGHT OUTPUT	COLOR TEMP (See chart)	POWER CONSUMPTION	COLOR ACCURACY	REPLACES			
E-WFG08A-F50UZ	8900 Lumens	Cool White (5000K)	73W	≥ 70 CRI	250W MH			
E-WFG08A-F40UZ		Neutral White (4000K)						
E-WFG08A-F30UZ	8200 Lumens	Warm White (3000K)						
E-WFG04A-F50UZ	4900 Lumens	Cool White (5000K)	35W		≥ 70 CRI	150W PSMH		
E-WFG04A-F40UZ		Neutral White (4000K)						
E-WFG04A-F30UZ	4400 Lumens	Warm White (3000K)						
E-WFG03A-F50UZ	3100 Lumens	Cool White (5000K)	28W			≥ 70 CRI	100W PSMH	
E-WFG03A-F40UZ		Neutral White (4000K)						
E-WFG03A-F30UZ	2900 Lumens	Warm White (3000K)						
E-WFG01A-F50UZ	1500 Lumens	Cool White (5000K)	11W				≥ 70 CRI	50W MH
E-WFG01A-F40UZ		Neutral White (4000K)						
E-WFG01A-F30UZ	1350 Lumens	Warm White (3000K)						

Accessories



Photocell - Button, 120V/208V/240V/277V

SKU: **E-ACP1**(120V)

E-ACP2 (208V/240V/277V)

USE: Photocell is field installed and drilling of the back box is required.

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.

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 50,000 hours.

LISTINGS — Certified to US and Canadian safety standards. Damp location standard (wet location, covered ceiling optional). ENERGY STAR® certified product.

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

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.



A+ Capable options indicated by this color background.

ORDERING INFORMATION

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

Example: LDN6 35/15 L06AR LSS MVOLT EZ10

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

Driver	Options
GZ10 0-10V driver dims to 10%	SF ⁴ Single fuse
GZ1 0-10V driver dims to 1%	TRW ⁵ White painted flange
	TRBL ¹ Black painted flange
EZ10 0-10V eldoLED driver with smooth and flicker-free deep dimming performance down to 10%	EL ⁶ Emergency battery pack with integral test switch
	ELR Emergency battery pack with remote test switch
	ELSD Emergency battery pack with self-diagnostics, integral test switch
	ELRSD Emergency battery pack with self-diagnostics, remote test switch
	E10WCP Emergency battery pack, 10W Constant Power, CA Title 20 compliant with integral test switch
EZ1 0-10V eldoLED driver with smooth and flicker-free deep dimming performance down to 1%	E10WCPR Emergency battery pack, 10W Constant Power, CA Title 20 compliant with remote test switch
	NPP16D ⁷ nLight® network power/relay pack with 0-10V dimming for non-eldoLED drivers (GZ10, GZ1).
	NPP16DER ⁷ nLight® network power/relay pack with 0-10V dimming for non-eldoLED drivers (GZ10, GZ1). ER controls fixtures on emergency circuit.
	N80 ⁸ nLight™ Lumen Compensation
	NPS80EZ ⁹ nLight® dimming pack controls 0-10V eldoLED drivers (EZ10, EZ1).
	NPS80EZER ⁹ nLight® dimming pack controls 0-10V eldoLED drivers (EZ10, EZ1). ER controls fixtures on emergency circuit.
	HAO ¹¹ High ambient option
	CP ¹⁰ Chicago Plenum
	WL Wet Location, specify for exterior use applications
	RRL RELOC®-ready luminaire connectors enable a simple and consistent factory installed option across all ABL luminaire brands. Refer to RRL for complete nomenclature. Available only in RRLA, RRLB, RRLAE, and RRLC12S.
	NLTAIR2 ¹⁰ nLight® Air enabled
	NLTAIRER2 ¹⁰ nLight® AIR Dimming Pack Wireless Controls. Controls fixtures on emergency circuit
	USPOM US point of manufacture

Accessories: Order as separate catalog number.

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.
- Add "SD" for self-diagnostic option (i.e. ELSD).
- 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, 5000lm with marked spacing 24 L x 24 W x 14 H.

Catalog Number
Notes
Type



LDN6

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



PHOTOMETRY

Distribution Curve

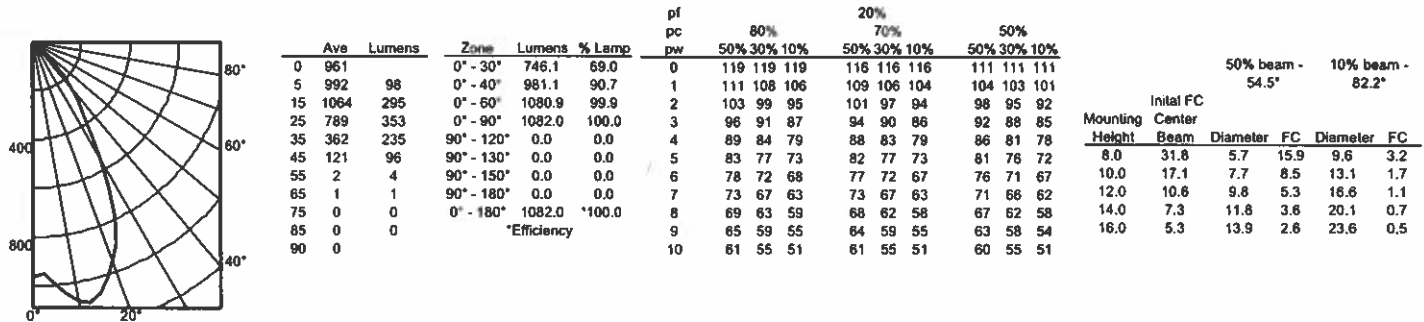
Distribution Data

Output Data

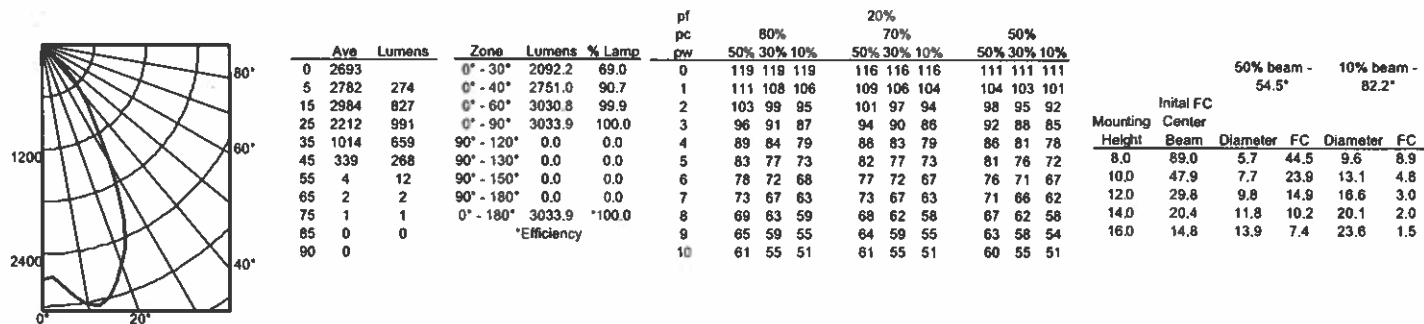
Coefficient of Utilization

Illuminance Data at 30" Above Floor for
a Single Luminaire

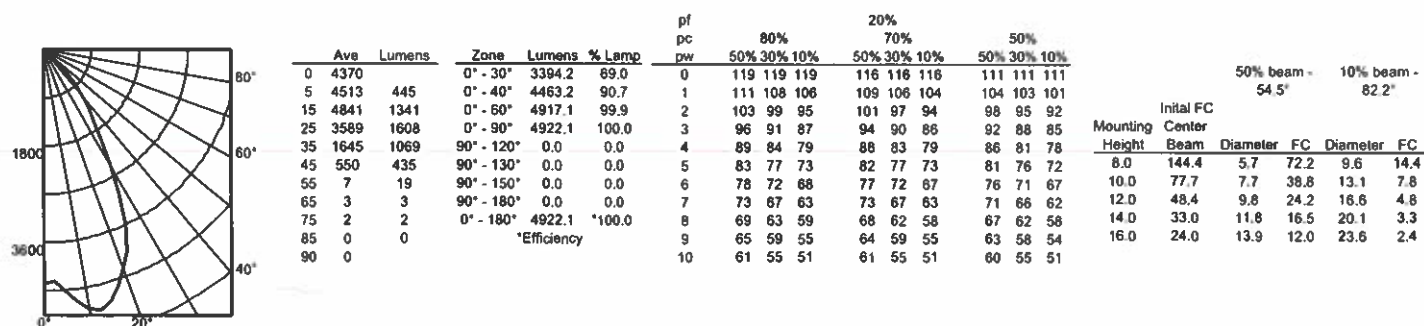
LDN6 35/10 L06AR, input watts: 12.75, delivered lumens: 1082, LM/W = 84.86, spacing criterion at 0= 1.02, test no. ISF 30716P31.



LDN6 35/30 L06AR, input watts: 34.69, delivered lumens: 3033.9, LM/W = 87.45, spacing criterion at 0= 1.02, test no. ISF 30716P22.



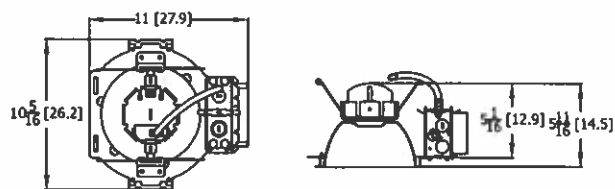
LDN6 35/50 L06AR, input watts: 55.56, delivered lumens: 4922.1, LM/W = 88.59, spacing criterion at 0= 1.02, test no. ISF 30716P40.



LDN6

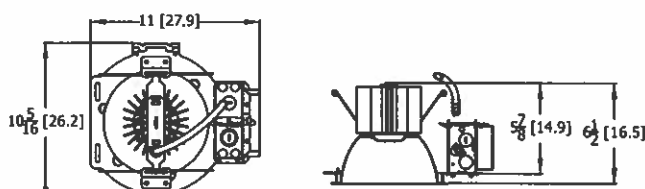
* All dimensions are inches (centimeters) unless otherwise noted.

LDN6 1500 LUMEN



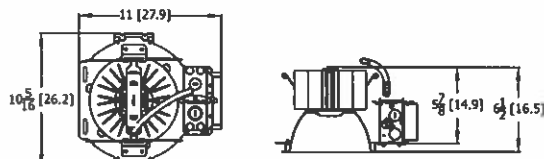
Aperture: 6-1/4 (15.9)
Ceiling Opening: 7-1/8 (18.1)
Overlap trim: 7-1/2 (19.1)

LDN6 3000 LUMEN



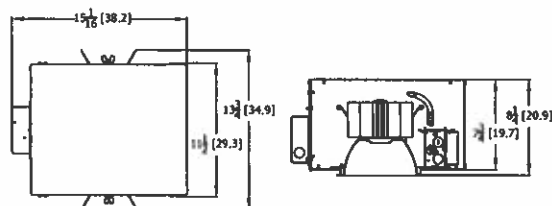
Aperture: 6-1/4 (15.9)
Ceiling Opening: 7-1/8 (18.1)
Overlap trim: 7-1/2 (19.1)

LDN6 5000 LUMEN



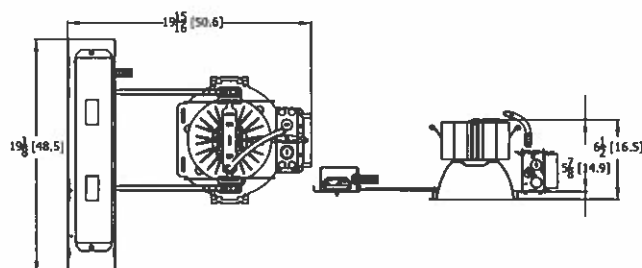
Marked Spacing: 24 x 24 x 10
Aperture: 6-1/4 (15.9)
Ceiling Opening: 7-1/8 (18.1)
Overlap trim: 7-1/2 (19.1)

LDN6 CP



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 1500 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			
Target Lumen	Lumens @ 3500K	Wattage	LPW
500	662.2	7.6	87.1
1000	1082.0	12.8	84.5
1500	1606.0	20.5	78.3
2000	2023.0	22.6	89.5
2500	2529.5	27.1	93.3
3000	3034.0	34.7	87.4
4000	3977.5	44.1	90.2
5000	4922.2	55.5	88.7

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

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® DVSC TV	
	Nova T® NTFTV	
	Nova® NFTV	
Leviton®	AWSMT-7DW	CN100
	AWSMG-7DW	PE300
	AMRMG-7DW	
	Leviton Centura Fluorescent Control System	
	IlumaTech® IP7 Series	
Synergy®	ISO 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 OA2000FAMU	
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.

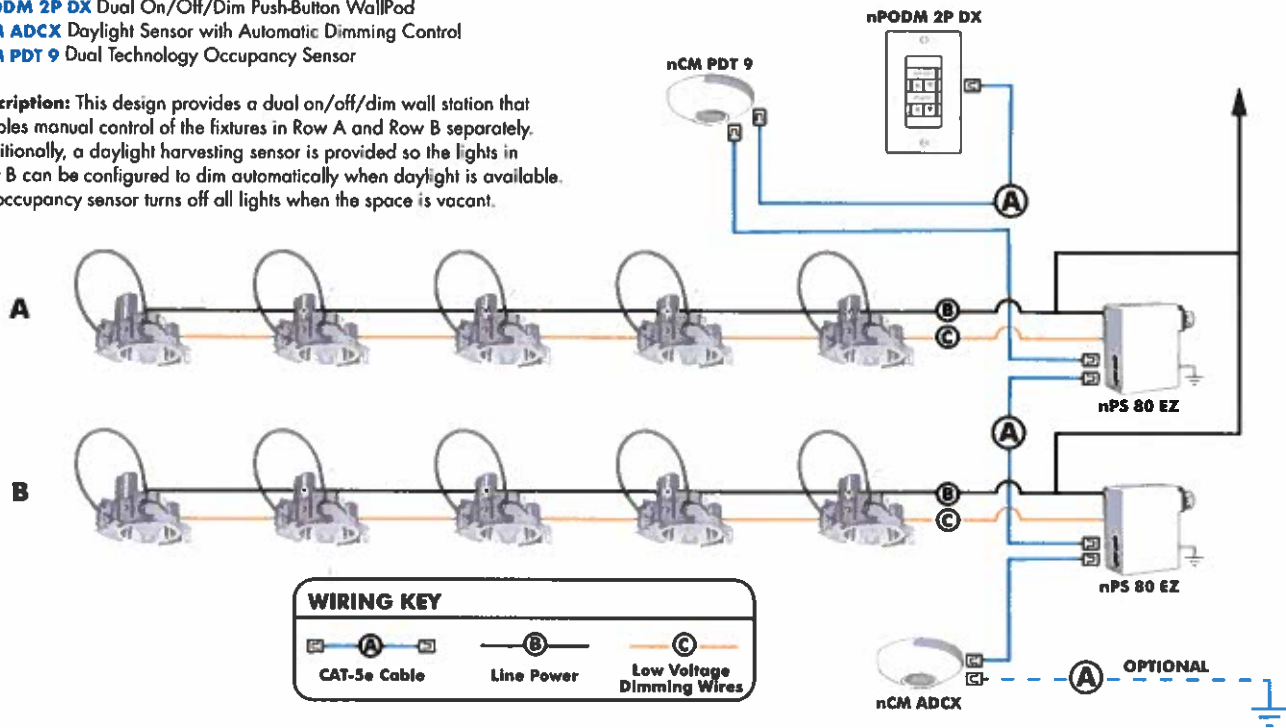
- All configurations of this luminaire meet the Acuity Brands' specification for chromatic consistency
- This luminaire is part of an A+ Certified solution for nLight® control networks when ordered with drivers marked by a **shaded background***
- This luminaire is part of an A+ Certified solution for 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 . *See ordering tree for details

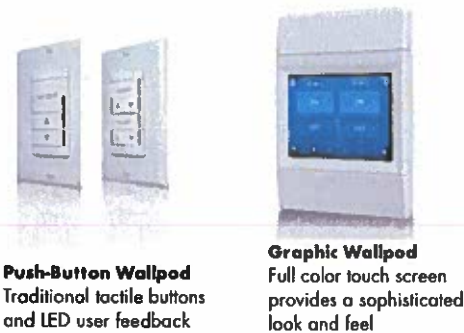
EXAMPLE
Group Fixture Control*
*Application diagram applies for fixtures with eldoLED drivers only.

- 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.



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 Indy L-Series 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 CL AIRITY app, pair the fixtures with the wall switch and if desired, customize the sensor settings for the desired outcome



Submitted by R.C. Lurie Co.


RCL
 R.C. Lurie Company
Job Name:
 RE SUB DOMINION SELF STORAGE - EASTMARK -
 POINT 22 & SIGNAL BUTTE RD
 Contractor: Harmon Electric (Phoenix)
 Distributor: IES - PHOENIX/CDC (Phoenix)

Catalog Number:
 VR7T60LQT40K
Notes:**Type:****CL**

RCL19-98697

VersaLED Lighting

Versatile Lighting Solutions

SPECIFICATIONS**HOUSING**

- Heavy duty die cast aluminum housing
- Textured architectural bronze powdercoat finish
- 1/2" Gain plugs with O-rings for Conduit
- Nickel-plated stainless steel hardware

CODE COMPLIANCE

- UL Listed for Wet Locations
- IP67 Rated
- Meets DLC Requirements

ELECTRICAL

- Quad Tap (QT) - 120/208/240/277V
- Dimmable driver standard
- Operating Temperature: -34°C (-30°F) - 54°C (130°F)

WARRANTY

- 5 Year
- 10 Year Warranty available

OPTICAL SYSTEM

- Polycarbonate lens
- 100,000 hours @ L₇₀
- CRI >70
- Power Factor > .99
- THD < 15%

MOUNTING

- Mounts directly over a 4" recessed outlet box, or 3/4" surface conduit

CATALOG #	WATTAGE	LUMENS	COLOR
VR7-T-28L-QT-30K	28W	3,484	3000K
VR7-T-28L-QT-30K-HO	28W	3,916	3000K
VR7-T-28L-QT-40K	28W	3,556	4000K
VR7-T-28L-QT-40K-HO	28W	3,997	4000K
VR7-T-28L-QT-50K	28W	3,548	5000K
VR7-T-28L-QT-50K-HO	28W	3,988	5000K
VR7-T-28L-QT-57K	28W	3,612	5700K
VR7-T-28L-QT-57K-HO	28W	4,060	5700K
VR7-T-40L-QT-30K	40W	4,862	3000K
VR7-T-40L-QT-30K-HO	40W	5,551	3000K
VR7-T-40L-QT-40K	40W	4,960	4000K
VR7-T-40L-QT-40K-HO	40W	5,663	4000K
VR7-T-40L-QT-50K	40W	5,040	5000K
VR7-T-40L-QT-50K-HO	40W	5,754	5000K
VR7-T-40L-QT-57K	40W	5,080	5700K
VR7-T-40L-QT-57K-HO	40W	5,800	5700K
VR7-T-60L-QT-30K	60W	7,473	3000K
VR7-T-60L-QT-30K-HO	60W	8,272	3000K
VR7-T-60L-QT-40K	60W	7,680	4000K
VR7-T-60L-QT-40K-HO	60W	8,501	4000K
VR7-T-60L-QT-50K	60W	7,800	5000K
VR7-T-60L-QT-50K-HO	60W	8,634	5000K
VR7-T-60L-QT-57K	60W	7,860	5700K
VR7-T-60L-QT-57K-HO	60W	8,700	5700K
VR7-T-90L-QT-30K	90W	11,365	3000K
VR7-T-90L-QT-30K-HO	90W	12,390	3000K
VR7-T-90L-QT-40K	90W	11,700	4000K
VR7-T-90L-QT-40K-HO	90W	12,756	4000K
VR7-T-90L-QT-50K	90W	11,880	5000K
VR7-T-90L-QT-50K-HO	90W	12,952	5000K
VR7-T-90L-QT-57K	90W	11,970	5700K
VR7-T-90L-QT-57K-HO	90W	13,050	5700K

*50K is standard; call for lead times for other color temps

OPTIONS (Factory Installed)

EBLED	-	Integral Emergency Ballast
480V	-	480V
OCS	-	Occupancy Sensor
PEN	-	Pendant Adapter
WP	-	Whip (4' length standard)
10YR	-	10 Year Warranty



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Slim LED Canopy Light
