

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) eldoLED 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).

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

www.acuitybrands.com/CustomerResources/Terms_and_conditions.aspx

Actual performance may differ as a result of end-user environment and application.

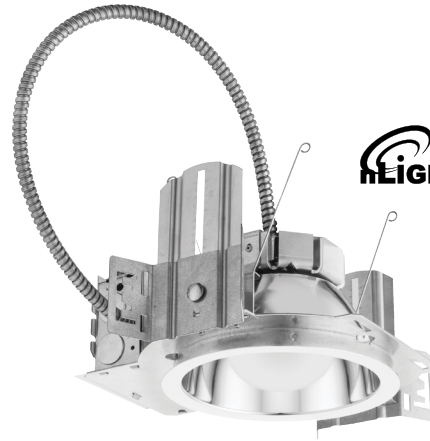
All values are design or typical values, measured under laboratory conditions at 25 °C.

Note: 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		27/	2700K	05	500 lumens	25	2500 lumens	L06	Downlight	AR	Clear	LSS	Semi-specular	MVOLT	Multi-volt	
		30/	3000K	10	1000 lumens	30	3000 lumens	LW6	Wallwash	WR ²	White	LD	Matte diffuse	120	120V	
		35/	3500K	15	1500 lumens	40	4000 lumens			BR ²	Black	LS	Specular	277	277V	
		40/	4000K	20	2000 lumens	50	5000 lumens							347 ³	347V	

Driver	Options
EZ10 eldoLED 10% 0-10V	SF ⁴ Single fuse
EZ1 eldoLED 1% 0-10V	TRW ⁵ White painted flange
	TRBL ⁵ Black painted flange
	ELR ⁴ Batterypack (remote)
	EL ⁴ Batterypack
	NPS80EZ ⁴ nLight® dimming pack controls 0-10V eldoLED drivers.
	NPS80EZER ⁴ nLight® dimming pack controls 0-10V eldoLED drivers. ER controls fixtures on emergency circuit.
	HAO High ambient option
	CP Chicago Plenum
	WL Wet location
	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.

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.

LDN6

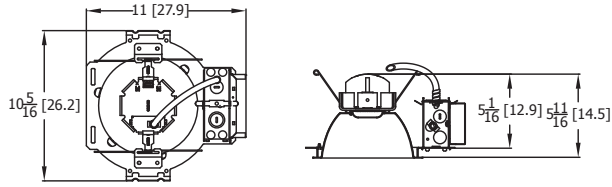
PHOTOMETRY

Consult Factory for Photometry.

LDN6

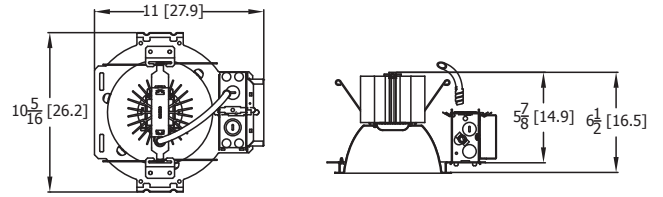
* All dimensions are inches (centimeters) unless otherwise noted.

LDN6 1500 LUMEN



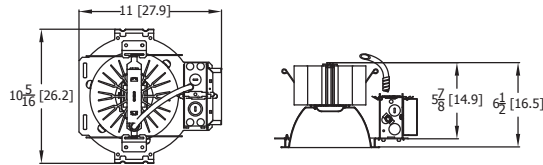
Aperture: 6-1/4 (15.9)
 Ceiling Opening: 7-1/8 (18.1)
 Overlap trim: 7-1/2 (19.1)

LDN6 3000 LUMEN



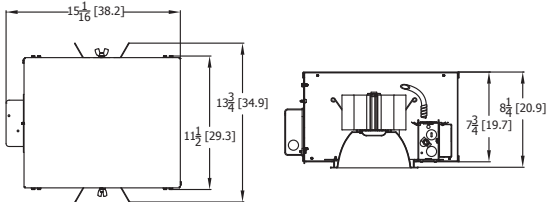
Aperture: 6-1/4 (15.9)
 Ceiling Opening: 7-1/8 (18.1)
 Overlap trim: 7-1/2 (19.1)

LDN6 5000 LUMEN



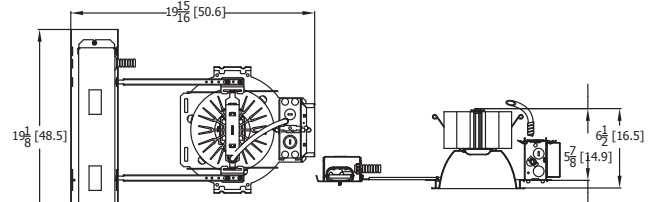
Marked Spacing: 24 x 24 x 10
 Aperture: 6-1/4 (15.9)
 Ceiling Opening: 7-1/8 (18.1)
 Overlap trim: 7-1/2 (19.1)

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)

Notes

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

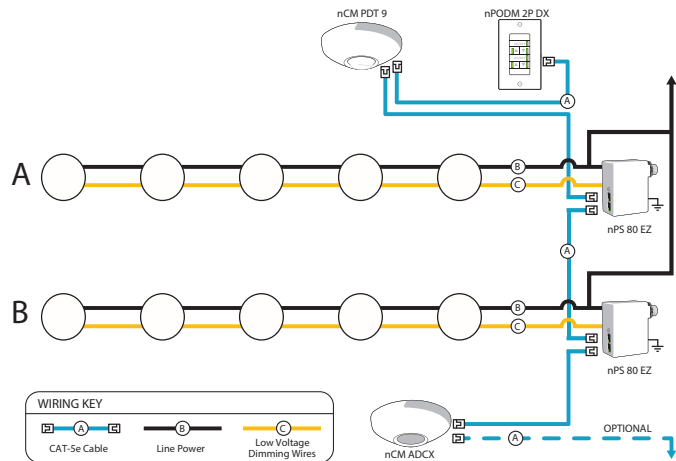
ADDITIONAL DATA

COMPATIBLE 0-10V WALL-MOUNT DIMMERS		
MANUFACTURER	PART NO.	POWER BOOSTER AVAILABLE
Lutron®	Diva® DDTV	
	Diva® DVSCTV	
	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	

EL/ELR AVAILABILITY/COMPATIBILITY - INITIAL LUMENS			
Lumen package	Watts	Initial lumens EL/ELR	Emergency LED driver
600	12	500	PS1050
1000	18	575	PS1050
1500	26	640	PS1050
2000	35	690	PS1050

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
80CRI	0.950	0.966	1.000	1.025



nLight® Control Accessories:			
Order as separate catalog number. Visit www.sensorswitch.com/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	nPODM 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