

## FEATURES & SPECIFICATIONS

**INTENDED USE** — Typical applications include corridors, lobbies, conference rooms and private offices.

**CONSTRUCTION** — Install from below construction standard.

Additional mounting options available including new construction mounting pan and Chicago plenum.

Ambient operating temperature: 25 °C. High ambient option available.

Light engine and driver are accessible from above or below ceiling.

Passive cooling thermal management

Max ceiling thickness 1-1/4"

**OPTICS** — 3 SDCM; 80 CRI typical

Diffusing lens covers optical chamber

55° cutoff to source and source image

Self-flanged anodized reflectors in specular, semi-specular, or matte diffuse finishes.

**ELECTRICAL** — 120V TRIAC or ELV dimming and Multi-volt 0-10V dimming 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](http://www.acuitybrands.com/CustomerResources/Terms_and_conditions.aspx)

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

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

Specifications subject to change without notice.

Catalog Number
Notes
Type

# LDN3



**3" OPEN**  
**Non-IC**  
**New Construction Downlight**



A+ Capable options indicated by this color background.

### ORDERING INFORMATION

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

**Example:** LDN3 35/10 L03AR LSS MVOLT UGZ

LDN3							
Series		Color temperature	Lumens	Aperture/Trim Color		Finish	
LDN3 3" round		27/ 2700K	05 500 lumens	L03	Downlight	AR	Clear
		30/ 3000K	10 1000 lumens	LW3	Wallwash	WR <sup>2</sup>	White
		35/ 3500K	15 <sup>1</sup> 1500 lumens			BR <sup>2</sup>	Black
		40/ 4000K				LSS	Semi-specular
						LD	Matte diffuse
						LS	Specular

Voltage		Driver		Options			
MVOLT <sup>3</sup>	Multi-volt	UGZ10	Universal dimming to 10% (0-10V, 120V, Triac, or ELV	SF <sup>6</sup>	Single Fuse	HAO	High ambient Option (40°C)
120	120V	UGZ	Universal dimming to 1% (0-10V, 120V, Triac, or ELV	TRW <sup>7</sup>	White painted flange	CP	Chicago Plenum
277	277V			TRBL <sup>7</sup>	Black painted flange	WL	Wet location
347 <sup>4,5</sup>	347V			NPP16D <sup>4,5,6</sup>	nLight network power/relay pack with 0-10V dimming.	NCH	New construction housing
				NPP16DER <sup>4,5,6</sup>	nLight network power/relay pack with 0-10V dimming. ER controls fixtures on emergency circuit.		

Accessories: Order as separate catalog number.	
PS1050DL FIK	Power Sentry battery pack field install kit 10W max output wattage 50V DC output voltage DL form factor

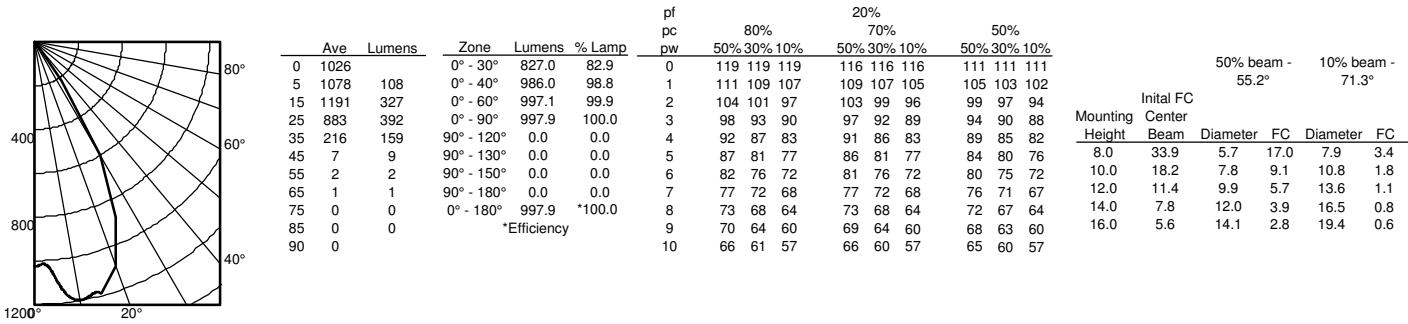
### Notes

- 347V is only available with 1500lm. 1500lm not available with HAO option.
- Not available with finishes.
- Multi-volt 120-277V.
- Factory supplied device shipped separately. Field installation required.
- Access required to location of remote mounted device.
- Must specify voltage.
- Not required with WR and BR options.

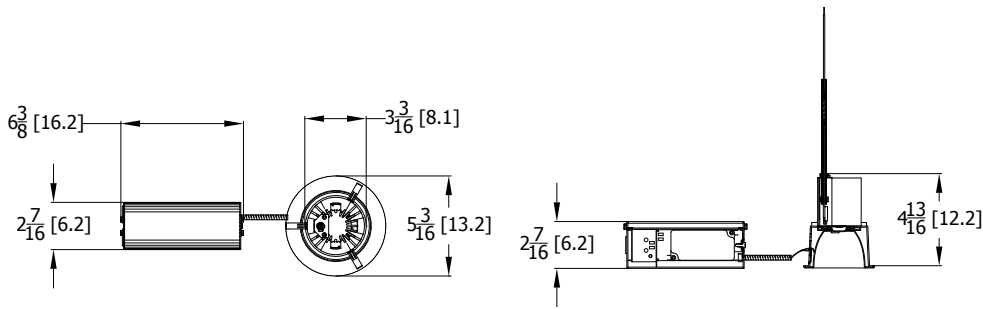
PHOTOMETRY

Distribution Curve	Distribution Data	Output Data	Coefficient of Utilization	Illuminance Data at 30" Above Floor for a Single Luminaire
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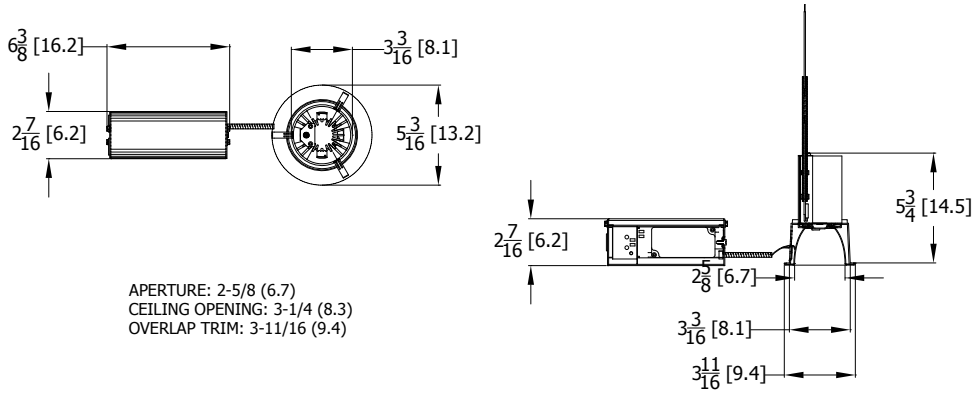
LDN3CYL 35/10 L03AR LS, input watts: 14.31, delivered lumens: 999.8, LM/W = 69.8, spacing criterion at 0 = 1.05, test no. ISF34000SP



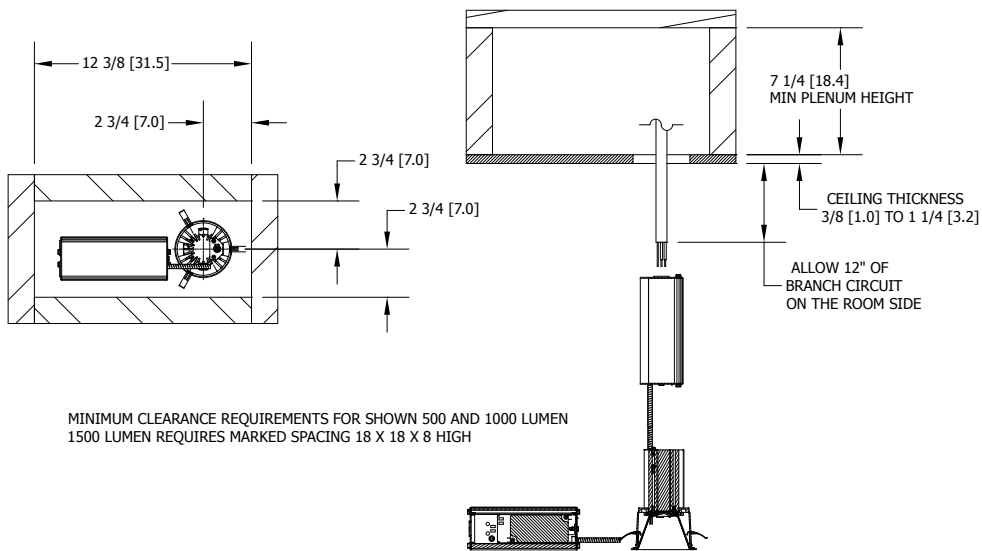
WATTAGE CONSUMPTION MATRIX			
Nominal Lumens	Delivered Lumens*	Wattage	Lumens per WATT
500	530	6.27	84.5
1000	1032	14.3	72.2
1500	1491	24.9	60.0
*3500K Clear LS reflector			



APERTURE:  $2\frac{5}{8}$  (6.7)  
 CEILING OPENING:  $3\frac{1}{4}$  (8.3)  
 OVERLAP TRIM:  $3\frac{11}{16}$  (9.4)



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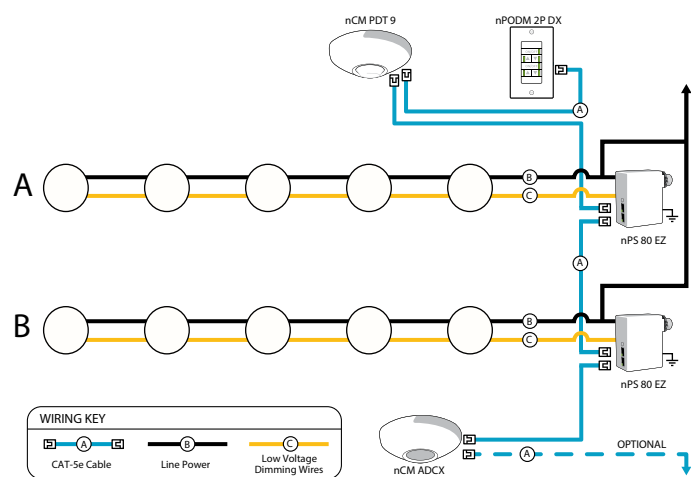
MINIMUM CLEARANCE REQUIREMENTS FOR SHOWN 500 AND 1000 LUMEN  
 1500 LUMEN REQUIRES MARKED SPACING 18 X 18 X 8 HIGH

## 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 AND LINE VOLTAGE DIMMERS		
MANUFACTURER	PART NO.	CONTOL DEVICE DIM CURVE
Synergy®	ISD 400 ELV 120	Logarithmic
	ISD 600 I 120	Logarithmic
	ISD 1000 I 120	Logarithmic
Leviton®	IlumaTech-IPE04	Logarithmic
	IlumaTech-IPI06	Logarithmic
	IlumaTech-IPI10	Logarithmic
	IlumaTech-IPL06-10	Logarithmic
	Sureslide 6633-P 600-watt 3-way	Linear
	Sureslide 6674-P 600-watt single pole	Linear
	Sureslide 6674-P 600-watt 3-way	Linear



nLight® Control Accessories:			
Order as separate catalog number. Visit <a href="http://www.sensorswitch.com/nLight">www.sensorswitch.com/nLight</a> for complete listing of nLight controls.			
<b>WallPod stations</b>	<b>Model number</b>	<b>Occupancy sensors</b>	<b>Model number</b>
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
<b>Photocell controls</b>	<b>Model number</b>	Wall Switch w/ Raise/Lower (PIR / dual tech)	nWSX LV DX / nWSX PDT LV DX
Dimming	nCM ADCX	<b>Cat-5 cables (plenum rated)</b>	<b>Model number</b>
		10', CAT5 10FT	CAT5 10FT J1
		15', CAT5 15FT	CAT5 15FT J1