

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 $\underline{www.acuitybrands.com/CustomerResources/Terms_and_conditions.aspx}$

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 $^{\circ}\text{C}.$ Specifications subject to change without notice.

Catalog Notes Туре



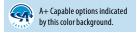












ORDERING INFORMATION	Lead times will vary depending on options selected. Consult with your	Example: LDN3 35/10 LO3AR LSS MVOLT UGZ	

LDN3				
Series	Color temperature Lumens	Aperture/Trim Color	Finish	
LDN3 3" round	27/ 2700K 05 500 lumens 30/ 3000K 10 1000 lumens 35/ 3500K 151 1500 lumens 40/ 4000K	LO3 Downlight AR Clear LW3 Wallwash WR ² White BR ² Black	LSS Semi-specular LD Matte diffuse LS Specular	

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

Accessories: Order as separate catalog number.

Power Sentry batteyrpack field install kit 10W max output wattage 50V DC output voltage DL form factor

Notes

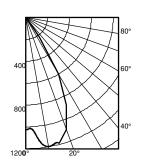
- 347V is only available with 1500lm. 1500lm not available with HAO option.
- Not available with finishes.
- Multi-volt 120-277V.
- Factory supplied device shipped separately. Field installation required.
- Access required to location of remote mounted device.
- Must specify voltage.
- Not required with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

DOWNLIGHTING LDN3

PHOTOMETRY

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

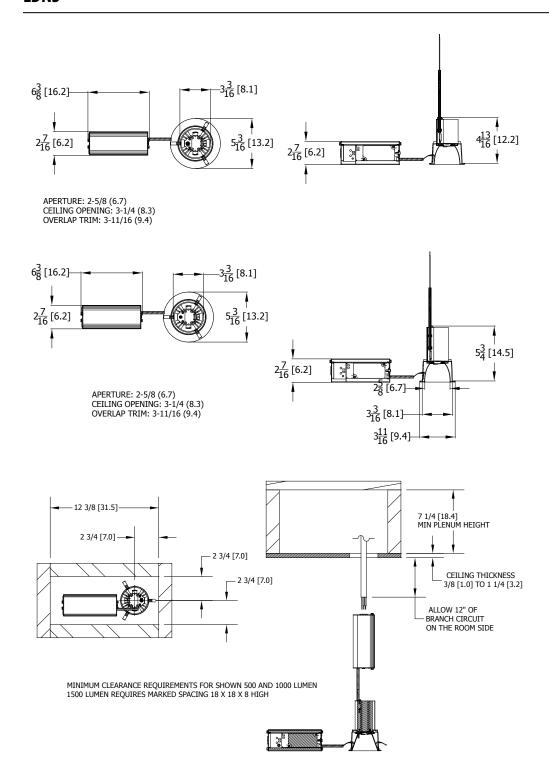
LDN3CYL 35/10 LO3AR LS, input watts: 14.31, delivered lumens: 999.8, LM/W = 69.8, spacing criterion at 0 = 1.05, test no. ISF34000SP



				pf				20	%				
				рс		80%			70%			50%	
Lumens	Zone	Lumens	% Lamp	pw	50%	30%	10%	50%	30%	10%	50%	30%	10%
	0° - 30°	827.0	82.9	0	119	119	119	116	116	116	111	111	111
108	0° - 40°	986.0	98.8	1	111	109	107	109	107	105	105	103	102
327	0° - 60°	997.1	99.9	2	104	101	97	103	99	96	99	97	94
392	0° - 90°	997.9	100.0	3	98	93	90	97	92	89	94	90	88
159	90° - 120°	0.0	0.0	4	92	87	83	91	86	83	89	85	82
9	90° - 130°	0.0	0.0	5	87	81	77	86	81	77	84	80	76
2	90° - 150°	0.0	0.0	6	82	76	72	81	76	72	80	75	72
1	90° - 180°	0.0	0.0	7	77	72	68	77	72	68	76	71	67
0	0° - 180°	997.9	*100.0	8	73	68	64	73	68	64	72	67	64
0	*	Efficiency		9	70	64	60	69	64	60	68	63	60
		-		10	66	61	57	66	60	57	65	60	57
	108 327 392 159 9 2 1	0° - 30° 108 0° - 40° 327 0° - 60° 392 0° - 90° 159 90° - 120° 9 90° - 130° 2 90° - 150° 1 90° - 180° 0 0° - 180°	0° - 30° 827.0 108 0° - 40° 986.0 327 0° - 60° 997.1 392 0° - 90° 997.9 159 90° - 120° 0.0 9 90° - 130° 0.0 2 90° - 150° 0.0 1 90° - 180° 0.0 0 0° - 180° 997.9	0°-30° 827.0 82.9 108 0°-40° 986.0 98.8 327 0°-60° 997.1 99.9 392 0°-90° 997.9 100.0 159 90°-120° 0.0 0.0 9 90°-130° 0.0 0.0 2 90°-150° 0.0 0.0 1 90°-180° 0.0 0.0 0 0°-180° 997.9 *100.0	Lumens Zone Lumens % Lamp pw 0° - 30° 827.0 82.9 0 108 0° - 40° 986.0 98.8 1 327 0° - 60° 997.1 99.9 2 392 0° - 90° 997.9 100.0 3 159 90° - 120° 0.0 0.0 4 9 90° - 130° 0.0 0.0 5 2 90° - 150° 0.0 0.0 6 1 90° - 180° 0.0 0.0 7 0 0° - 180° 997.9 *100.0 8 0 *Efficiency 9	Lumens Zone Lumens % Lamp pw 50% 0° - 30° 827.0 82.9 0 119 108 0° - 40° 986.0 98.8 1 111 327 0° - 60° 997.1 99.9 2 104 392 0° 90° 997.9 100.0 3 98 159 90° - 120° 0.0 0.0 4 92 9 90° - 130° 0.0 0.0 5 87 2 90° - 150° 0.0 0.0 6 82 1 90° - 180° 97.9 100.0 7 77 0 0° - 180° 99.9 97.9 100.0 8 82 1 90° - 150° 0.0 0.0 7 77 77 0 0° - 180° 99.7 100.0 8 73 9 70	Lumens Zone Lumens % Lamp pw 50% 30% 0° - 30° 827.0 82.9 0 119 119 108 0° - 40° 986.0 98.8 1 111 109 327 0° - 60° 997.1 99.9 2 104 101 392 0° - 90° 997.9 100.0 3 98 93 159 90° - 120° 0.0 0.0 4 92 87 9 90° - 130° 0.0 0.0 5 87 81 2 90° - 150° 0.0 0.0 6 82 76 1 90° - 180° 997.9 100.0 7 77 72 0 0° - 180° 997.9 100.0 8 3 36 1 90° - 180° 997.9 100.0 6 82 76 77 72 0 0° - 180° 997.9 100.0 8 73 68 73 68	Lumens Zone Lumens % Lamp pw 50% 30% 10% 10% 0° - 30° 827.0 82.9 0 119 119 119 119 109 107 327 0° - 60° 997.1 99.9 2 104 101 97 932 104 101 97 932 96.0 997.9 100.0 3 98 93 90 93 90 159 90° - 120° 0.0 0.0 4 92 87 83 83 9 90° - 130° 0.0 0.0 5 87 81 77 72 2 90° - 150° 0.0 0.0 6 82 76 72 72 71 268 64 60 6 82 76 72 77 72 68 64 60 6 82 73 68 64 64 60 6 64 60 60 6 64 60 60 6 64 60 60 60 64 60 60 60 64 60 60 60 60 64 60 60 60 60 60 60 60 60 60 60 60 60	Lumens Zone Lumens % Lamp pw 50% 30% 10% 50% 108 0° - 30° 827.0 82.9 0 119 119 119 119 116 327 0° - 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		50% be		10% be 71.3	
	Inital FC				
Mounting	Center				
Height	Beam	Diameter	FC	Diameter	FC
8.0	33.9	5.7	17.0	7.9	3.4
10.0	18.2	7.8	9.1	10.8	1.8
12.0	11.4	9.9	5.7	13.6	1.1
14.0	7.8	12.0	3.9	16.5	8.0
16.0	5.6	14 1	28	194	0.6

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									



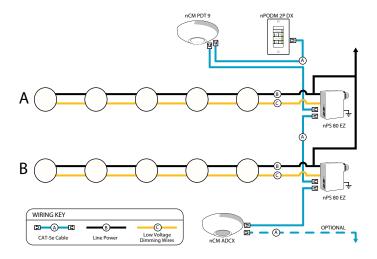
Notes

- 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®	IllumaTech-IPE04	Logarithmic					
	IllumaTech-IPI06	Logarithmic					
	IllumaTech-IPI10	Logarithmic					
	IllumaTech- IPL06-10	Logarithmic					
	Sureslide 6633-P 600-watt 3-way	Linear					
	Sureslide 6674-P 600-watt single pole						
	Sureslide 6674-P 600-watt 3-way	Linear					



Order as separ	nLight® Control Accessories: Order as separate catalog number. Visit <u>www.sensorswitch.com/nLight</u> 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						