

#### **FEATURES & SPECIFICATIONS**

**INTENDED USE** — Typical applications include corridors, lobbies, conference rooms and private offices.  $\textbf{CONSTRUCTION} \ \ - \ \ \text{Galvanized steel mounting/plaster frame; galvanized steel junction box with}$ 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.

**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.



# 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 | LO6AR LSS MVOLT EZ10 |
|---------------------|----------------------|
|                     |                      |

| LDN6                     |                        |  |  |  |  |
|--------------------------|------------------------|--|--|--|--|
| Series Color temperature |                        | Lumens <sup>1</sup>  | Aperture/Trim Color                            | Finish   | Voltage  |
| LDN6 6" round            | 30/ 3000K<br>35/ 3500K | 05         500 lumens         25         2500 lumens           10         1000 lumens         30         3000 lumens           15         1500 lumens         40         4000 lumens           20         2000 lumens         50         5000 lumens | LUG Downlight LWG Wallwash WR2 White BR2 Black | LSS Semi-specular<br>LD Matte diffuse<br>LS Specular | MVOLT Multi-volt 120 120V 277 277V 347 <sup>3</sup> 347V |

| Driver   | Options   |                |  |
|--|---|----------------|--|
| GZ10 0-10V driver dims to 10% GZ1 0-10V driver dims to 1% EZ10 0-10V eldoLED driver with smooth and flicker-free deep dimming performance down to 10% EZ1 0-10V eldoLED driver with smooth and flicker-free deep dimming performance down to 10% | SF <sup>4</sup> Single fuse TRW <sup>5</sup> White painted flange TRBL <sup>5</sup> Black painted flange EL <sup>6</sup> Emergency battery pack with integral test switch ELR Emergency battery pack with self-diagnostics, integral 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 E10WCPR Emergency battery pack, 10W Constant Power, CA Title 20 compliant with remote test switch NPP16D <sup>7</sup> Integral the switch power/relay pack with 0-10V dimming for non-eldoLEG drivers (GZ10, GZ1). NPP16DER <sup>7</sup> Integral the switch power/relay pack with 0-10V dimming for non-eldoLEG drivers (GZ10, GZ1). FR controls fixtures on emergency circuit. | NLTAIRER29, 10 | nLight™ Lumen Compensation  nLight® dimming pack controls 0-10V eldoLED drivers (EZ10, EZ1).  nLight® dimming pack controls 0-10V eldoLED drivers (EZ10, EZ1). ER controls fixtures on emergency circuit.  High ambient option Chicago Plenum Wet Location, specify for exterior use applications 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.  nLight® Air enabled nLight® AIR Dimming Pack Wireless Controls. Controls fixtures on emergency circuit |

| Accessories: Order as separate catalog number.   |  |  |  |  |  |  |  |
|--|--|--|--|--|--|--|--|
| EAC ISSM 375<br>EAC ISSM 125<br>GRA68 JZ<br>SCA6 | Compact interruptible emergency AC power system Compact interruptible emergency AC power system Oversized trim ring with 8" outside diameter 1 Sloped ceiling adapter. |  |  |  |  |  |  |

#### Notes

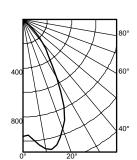
- Overall height varies based on lumen package; refer to dimensional chart on page 3.
- Not available with finishes.
- Not available with emergency options.
- Must specify voltage 120V or 277V. Available with clear (AR) reflector only.
- Add "SD" for self-diagnostic option (i.e. ELSD)
- Specify voltage. 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 8 NPS80EZ or NPS80EZ ER. Only available with EZ10 and EZ1
- 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.

**DOWNLIGHTING** LDN6

## **PHOTOMETRY**

| <b>Distribution Curve</b> | Distribution Data | Output Data | <b>Coefficient of Utilization</b> | Illuminance Data at 30" Above Floor for |
|---------------------------|-------------------|-------------|-----------------------------------|---|
|                           |                   |             |                                   | a Single Luminaire                      |

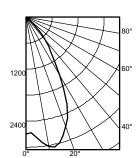
**LDN6 35/10 L06AR**, input watts: 12.75, delivered lumens: 1082, LM/W = 84.86, spacing criterion at 0 = 1.02, test no. ISF 30716P31.



| Ave 961 | Lumens  | Zone  | Lumens  | 0/ Lama   | рс  |   | 80%  |   |   | 70%   |  |   | 50%   |  |
|---------|---|---|---|---|---|---|--|---|---|---|--|---|---|--|
| 961     | Lumens  |   | Lumens  | 0/ 1 0000   |   |   |  |   |   |   |  |   |   |  |
|         |   |   |   | % ∟amp  | pw  | 50%   | 30%  | 10%   | 50%   | 30%   | 10%  | 50%   | 30%   | 10%  |
| 000     |   | 0° - 30°  | 746.1   | 69.0  | 0   | 119   | 119  | 119   | 116   | 116   | 116  | 111   | 111   | 111  |
| 992     | 98  | 0° - 40°  | 981.1   | 90.7  | 1   | 111   | 108  | 106   | 109   | 106   | 104  | 104   | 103   | 101  |
| 1064    | 295   | 0° - 60°  | 1080.9  | 99.9  | 2   | 103   | 99   | 95  | 101   | 97  | 94   | 98  | 95  | 92   |
| 789     | 353   | 0° - 90°  | 1082.0  | 100.0   | 3   | 96  | 91   | 87  | 94  | 90  | 86   | 92  | 88  | 85   |
| 362     | 235   | 90° - 120°  | 0.0   | 0.0   | 4   | 89  | 84   | 79  | 88  | 83  | 79   | 86  | 81  | 78   |
| 121     | 96  | 90° - 130°  | 0.0   | 0.0   | 5   | 83  | 77   | 73  | 82  | 77  | 73   | 81  | 76  | 72   |
| 2       | 4   | 90° - 150°  | 0.0   | 0.0   | 6   | 78  | 72   | 68  | 77  | 72  | 67   | 76  | 71  | 67   |
| 1       | 1   | 90° - 180°  | 0.0   | 0.0   | 7   | 73  | 67   | 63  | 73  | 67  | 63   | 71  | 66  | 62   |
| 0       | 0   | 0° - 180°   | 1082.0  | *100.0  | 8   | 69  | 63   | 59  | 68  | 62  | 58   | 67  | 62  | 58   |
| 0       | 0   | *   | Efficiency  |   | 9   | 65  | 59   | 55  | 64  | 59  | 55   | 63  | 58  | 54   |
| 0       |   |   |   |   | 10  | 61  | 55   | 51  | 61  | 55  | 51   | 60  | 55  | 51   |
|         |   |   |   |   |   |   |  |   |   |   |  |   |   |  |
|         | 992<br>1064<br>789<br>362<br>121<br>2<br>1<br>0 | 992 98<br>1064 295<br>789 353<br>362 235<br>121 96<br>2 4<br>1 1 0<br>0 0 | 992 98 0° - 40°<br>1064 295 0° - 60°<br>789 353 0° - 90°<br>362 235 90° - 120°<br>121 96 90° - 130°<br>2 4 90° - 150°<br>1 1 90° - 180°<br>0 0 0° - 180°<br>0 0 | 992 98 0° - 40° 981.1<br>1064 295 0° - 60° 1080.9<br>789 353 0° - 90° 1082.0<br>362 235 90° - 120° 0.0<br>121 96 90° - 130° 0.0<br>2 4 90° - 150° 0.0<br>1 1 90° - 180° 0.0<br>0 0 0° - 180° 1082.0<br>0 0 ° Efficiency | 992 98 0°-40° 981.1 90.7<br>1064 295 0°-60° 1080.9 99.9<br>789 353 0°-90° 1082.0 100.0<br>362 235 90°-120° 0.0 0.0<br>121 96 90°-130° 0.0 0.0<br>2 4 90°-150° 0.0 0.0<br>1 1 90°-180° 0.0 0.0<br>0 0 0°-180° 1082.0 *100.0<br>0 0 *Efficiency | 992 98 0° - 40° 981.1 99.7 1 1064 295 0° - 60° 1080.9 99.9 2 789 353 0° - 90° 1082.0 100.0 3 362 235 90° - 120° 0.0 0.0 4 121 96 90° - 130° 0.0 0.0 5 2 4 90° - 150° 0.0 0.0 6 1 1 90° - 180° 0.0 0.0 7 0 0 0° - 180° 1082.0 *100.0 8 0 0 *Efficiency 9 | 992 98 0°-40° 981.1 90.7 1 111<br>1064 295 0°-60° 1080.9 99.9 2 103<br>789 353 0°-90° 1082.0 100.0 3 96<br>362 235 90°-120° 0.0 0.0 4 89<br>121 96 90°-130° 0.0 0.0 5 83<br>2 4 90°-150° 0.0 0.0 6 78<br>1 1 90°-180° 0.0 0.0 7 73<br>0 0 0°-180° 1082.0 *100.0 8 69<br>0 0 *Efficiency 9 65 | 992 98 0°-40° 981.1 90.7 1 1111 108<br>1064 295 0°-60° 1080.9 99.9 2 103 99<br>789 353 0°-90° 1082.0 100.0 3 96 91<br>362 235 90°-120° 0.0 0.0 4 89 84<br>121 96 90°-130° 0.0 0.0 5 83 77<br>2 4 90°-150° 0.0 0.0 6 78 72<br>1 1 90°-180° 0.0 0.0 7 73 67<br>0 0 0°-180° 1082.0 *100.0 8 69 63<br>0 0 *Efficiency 9 65 59 | 992 98 0°-40° 981.1 90.7 1 1111 108 106<br>1064 295 0°-60° 1080.9 99.9 2 103 99 95<br>789 353 0°-90° 1082.0 100.0 3 96 91 87<br>362 235 90°-120° 0.0 0.0 4 89 84 79<br>121 96 90°-130° 0.0 0.0 5 83 77 73<br>2 4 90°-150° 0.0 0.0 6 78 72 68<br>1 1 90°-180° 0.0 0.0 7 73 67 63<br>0 0 0°-180° 1082.0 *100.0 8 69 63 59<br>0 0 *Efficiency 9 65 59 55 | 992 98 0° 40° 981.1 90.7 1 1111 108 106 109<br>1064 295 0° 60° 1080.9 99.9 2 103 99 95 101<br>789 353 0° 90° 1082.0 100.0 3 96 91 87 94<br>362 235 90° -120° 0.0 0.0 4 88 84 79 88<br>121 96 90° -130° 0.0 0.0 5 83 77 73 82<br>2 4 90° -150° 0.0 0.0 6 78 72 68 77<br>1 1 90° -180° 0.0 0.0 7 73 67 63 73<br>0 0 0° -180° 1082.0 *100.0 8 69 63 59 68<br>0 0 *Efficiency 9 65 59 55 64 | 992 98 0°-40° 981.1 90.7 1 1111 108 106 109 106 1064 295 0°-60° 1080.9 99.9 2 103 99 95 101 97 789 353 0°-90° 1080.0 100.0 3 96 91 87 94 90 362 235 90°-120° 0.0 0.0 4 89 84 79 88 83 121 96 90°-130° 0.0 0.0 5 83 77 73 82 77 2 4 90°-150° 0.0 0.0 6 78 72 68 777 72 1 1 90°-180° 0.0 0.0 7 7 73 67 63 73 67 0.0 0.0 0.0 7 7 73 67 63 73 67 0.0 0.0 0.0 8 69 63 59 68 62 0 0 0 *Efficiency 9 65 59 55 64 59 | 992 98 0°-40° 981.1 90.7 1 111 108 106 109 106 104 1064 295 0°-60° 1080.9 99.9 2 103 99 95 101 97 94 789 353 0°-90° 1082.0 100.0 3 96 91 87 94 90 86 362 235 90°-120° 0.0 0.0 4 89 84 79 88 83 79 121 96 90°-130° 0.0 0.0 5 83 77 73 82 77 73 2 4 90°-150° 0.0 0.0 6 78 72 68 77 72 67 1 1 90°-180° 0.0 0.0 7 73 67 63 73 67 63 0 0 0 0°-180° 1082.0 *100.0 8 69 63 59 68 62 58 0 0 0 *Efficiency 9 65 59 55 64 59 55 | 992 98 0°-40° 981.1 90.7 1 1111 108 106 109 106 104 104 104 1064 295 0°-60° 1080.9 99.9 2 103 99 95 101 97 94 98 789 353 0°-90° 1082.0 100.0 3 96 187 94 90 86 92 362 235 90°-120° 0.0 0.0 4 89 84 79 88 83 79 86 121 96 90°-130° 0.0 0.0 5 83 77 73 82 77 73 81 2 4 90°-150° 0.0 0.0 6 78 72 68 77 72 67 76 1 1 90°-180° 0.0 0.0 7 73 6 83 77 73 73 71 72 67 76 1 1 90°-180° 0.0 0.0 7 73 6 63 73 67 63 71 0 0 0 0 0°-180° 1082.0 *100.0 8 69 63 59 68 62 58 67 0 0 0 *Efficiency 9 65 59 55 64 59 55 63 | 992 98 0°-40° 981.1 90.7 1 1111 108 106 109 106 104 104 103 1064 295 0°-60° 1080.9 99.9 2 103 99 95 101 97 94 98 95 789 353 0°-90° 1082.0 100.0 3 96 91 87 94 90 86 92 88 362 235 90°-120° 0.0 0.0 4 89 84 79 88 83 79 86 81 121 96 90°-130° 0.0 0.0 5 83 77 73 82 77 73 81 76 2 4 90°-150° 0.0 0.0 6 78 72 68 77 72 67 76 71 1 1 90°-180° 0.0 0.0 7 73 67 63 73 67 63 71 66 0 0 0 0°-180° 1082.0 *100.0 8 69 63 59 68 62 58 67 62 0 0 0 *Efficiency 9 65 59 55 64 59 55 63 58 |

|          |           | 54.5     | °°   | 82.2     | ۰   |  |
|----------|-----------|----------|------|----------|-----|--|
|          | Inital FC |          |      |          |     |  |
| Mounting | Center    |          |      |          |     |  |
| Height   | Beam      | Diameter | FC   | Diameter | FC  |  |
| 8.0      | 31.8      | 5.7      | 15.9 | 9.6      | 3.2 |  |
| 10.0     | 17.1      | 7.7      | 8.5  | 13.1     | 1.7 |  |
| 12.0     | 10.6      | 9.8      | 5.3  | 16.6     | 1.1 |  |
| 14.0     | 7.3       | 11.8     | 3.6  | 20.1     | 0.7 |  |
| 16.0     | 5.3       | 13.9     | 2.6  | 23.6     | 0.5 |  |
|          |           |          |      |          |     |  |

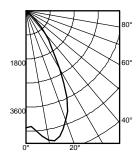
**LDN6 35/30 LO6AR**, input watts: 34.69, delivered lumens: 3033.9, LM/W = 87.45, spacing criterion at 0 = 1.02, test no. ISF 30716P22.



|    |      |        |            |            |        | рс |     | 80% |     |     | 70% |     |     | 50% |     |
|----|------|--------|------------|------------|--------|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
|    | Ave  | Lumens | Zone       | Lumens     | % Lamp | pw | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% |
| 0  | 2693 |        | 0° - 30°   | 2092.2     | 69.0   | 0  | 119 | 119 | 119 | 116 | 116 | 116 | 111 | 111 | 111 |
| 5  | 2782 | 274    | 0° - 40°   | 2751.0     | 90.7   | 1  | 111 | 108 | 106 | 109 | 106 | 104 | 104 | 103 | 101 |
| 15 | 2984 | 827    | 0° - 60°   | 3030.8     | 99.9   | 2  | 103 | 99  | 95  | 101 | 97  | 94  | 98  | 95  | 92  |
| 25 | 2212 | 991    | 0° - 90°   | 3033.9     | 100.0  | 3  | 96  | 91  | 87  | 94  | 90  | 86  | 92  | 88  | 85  |
| 35 | 1014 | 659    | 90° - 120° | 0.0        | 0.0    | 4  | 89  | 84  | 79  | 88  | 83  | 79  | 86  | 81  | 78  |
| 45 | 339  | 268    | 90° - 130° | 0.0        | 0.0    | 5  | 83  | 77  | 73  | 82  | 77  | 73  | 81  | 76  | 72  |
| 55 | 4    | 12     | 90° - 150° | 0.0        | 0.0    | 6  | 78  | 72  | 68  | 77  | 72  | 67  | 76  | 71  | 67  |
| 65 | 2    | 2      | 90° - 180° | 0.0        | 0.0    | 7  | 73  | 67  | 63  | 73  | 67  | 63  | 71  | 66  | 62  |
| 75 | 1    | 1      | 0° - 180°  | 3033.9     | *100.0 | 8  | 69  | 63  | 59  | 68  | 62  | 58  | 67  | 62  | 58  |
| 85 | 0    | 0      | *          | Efficiency |        | 9  | 65  | 59  | 55  | 64  | 59  | 55  | 63  | 58  | 54  |
| 90 | 0    |        |            |            |        | 10 | 61  | 55  | 51  | 61  | 55  | 51  | 60  | 55  | 51  |
|    |      |        |            |            |        |    |     |     |     |     |     |     |     |     |     |
|    |      |        |            |            |        |    |     |     |     |     |     |     |     |     |     |

|          |           | 50% beam -<br>54.5° |      | 10% be<br>82.2 |     |
|----------|-----------|---------------------|------|----------------|-----|
|          | Inital FC |                     |      |                |     |
| Mounting | Center    |                     |      |                |     |
| Height   | Beam      | Diameter            | FC   | Diameter       | FC  |
| 8.0      | 89.0      | 5.7                 | 44.5 | 9.6            | 8.9 |
| 10.0     | 47.9      | 7.7                 | 23.9 | 13.1           | 4.8 |
| 12.0     | 29.8      | 9.8                 | 14.9 | 16.6           | 3.0 |
| 14.0     | 20.4      | 11.8                | 10.2 | 20.1           | 2.0 |
| 16.0     | 14.8      | 13.9                | 7.4  | 23.6           | 1.5 |
|          |           |                     |      |                |     |

**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.

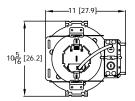


|    |      |        |            |            |        | рс |     | 80% |     |     | 70% |     |     | 50% |     |
|----|------|--------|------------|------------|--------|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
|    | Ave  | Lumens | Zone       | Lumens     | % Lamp | pw | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% |
| 0  | 4370 |        | 0° - 30°   | 3394.2     | 69.0   | 0  | 119 | 119 | 119 | 116 | 116 | 116 | 111 | 111 | 111 |
| 5  | 4513 | 445    | 0° - 40°   | 4463.2     | 90.7   | 1  | 111 | 108 | 106 | 109 | 106 | 104 | 104 | 103 | 101 |
| 15 | 4841 | 1341   | 0° - 60°   | 4917.1     | 99.9   | 2  | 103 | 99  | 95  | 101 | 97  | 94  | 98  | 95  | 92  |
| 25 | 3589 | 1608   | 0° - 90°   | 4922.1     | 100.0  | 3  | 96  | 91  | 87  | 94  | 90  | 86  | 92  | 88  | 85  |
| 35 | 1645 | 1069   | 90° - 120° | 0.0        | 0.0    | 4  | 89  | 84  | 79  | 88  | 83  | 79  | 86  | 81  | 78  |
| 45 | 550  | 435    | 90° - 130° | 0.0        | 0.0    | 5  | 83  | 77  | 73  | 82  | 77  | 73  | 81  | 76  | 72  |
| 55 | 7    | 19     | 90° - 150° | 0.0        | 0.0    | 6  | 78  | 72  | 68  | 77  | 72  | 67  | 76  | 71  | 67  |
| 65 | 3    | 3      | 90° - 180° | 0.0        | 0.0    | 7  | 73  | 67  | 63  | 73  | 67  | 63  | 71  | 66  | 62  |
| 75 | 2    | 2      | 0° - 180°  | 4922.1     | *100.0 | 8  | 69  | 63  | 59  | 68  | 62  | 58  | 67  | 62  | 58  |
| 85 | 0    | 0      | *          | Efficiency |        | 9  | 65  | 59  | 55  | 64  | 59  | 55  | 63  | 58  | 54  |
| 90 | 0    |        |            |            |        | 10 | 61  | 55  | 51  | 61  | 55  | 51  | 60  | 55  | 51  |
|    |      |        |            |            |        |    |     |     |     |     |     |     |     |     |     |

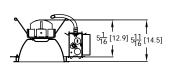
|          |           |          | 50% beam - |          | am - |  |
|----------|-----------|----------|------------|----------|------|--|
|          |           | 54.5     | o          | 82.2°    |      |  |
|          | Inital FC |          |            |          |      |  |
| Mounting | Center    |          |            |          |      |  |
| Height   | Beam      | Diameter | FC         | Diameter | FC   |  |
| 8.0      | 144.4     | 5.7      | 72.2       | 9.6      | 14.4 |  |
| 10.0     | 77.7      | 7.7      | 38.8       | 13.1     | 7.8  |  |
| 12.0     | 48.4      | 9.8      | 24.2       | 16.6     | 4.8  |  |
| 14.0     | 33.0      | 11.8     | 16.5       | 20.1     | 3.3  |  |
| 16.0     | 24.0      | 13.9     | 12.0       | 23.6     | 2.4  |  |
|          |           |          |            |          |      |  |

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

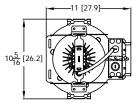
#### LDN6 1500 LUMEN



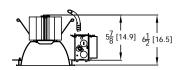
Aperture: 6-1/4 (15.9) Ceiling Opening: 7-1/8 (18.1) Overlap trim: 7-1/2 (19.1)



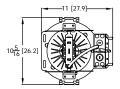
#### LDN6 3000 LUMEN



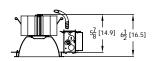
Aperture: 6-1/4 (15.9) Ceiling Opening: 7-1/8 (18.1) Overlap trim: 7-1/2 (19.1)



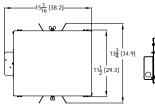
#### LDN6 5000 LUMEN



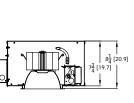
Marked Spacing: 24 x 24 x 10 Aperture: 6-1/4 (15.9) Ceiling Opening: 7-1/8 (18.1) Overlap trim: 7-1/2 (19.1)



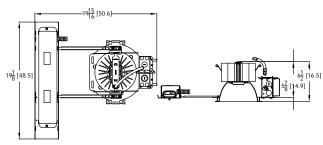
#### LDN6 CP



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<br>Lumen | Lumens @<br>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

#### **Delivered Lumens = 1.25 x P x LPW**

P = Ouput 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.

| 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 | 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.
- $\bullet \ \ \, \text{Tested to current IES and NEMA standards under stabilized laboratory conditions}.$
- CRI: 80 typical.



# **ADDITIONAL DATA**

| CO                            | MPATIBLE 0-10V WALL-MOUNT DIMMER  | RS                         |  |
|-------------------------------|---|----------------------------|--|
| MANUFACTURER                  | PART NO.  | POWER BOOSTER<br>AVAILABLE |  |
|                               | Diva® DVTV  |                            |  |
|                               | Diva® DVSCTV  | 7                          |  |
| Lutron®                       | Nova T® NTFTV   | 7                          |  |
|                               | Nova® NFTV  | 7                          |  |
|                               | AWSMT-7DW   | CN100                      |  |
|                               | AWSMG-7DW   | PE300                      |  |
| Leviton®                      | AMRMG-7DW   |                            |  |
|                               | Leviton Centura Fluorescent Control System                                    | 7                          |  |
|                               | IllumaTech® IP7 Series  | 7                          |  |
|                               | ISD BC  |                            |  |
| Synergy®                      | SLD LPCS  | RDMFC                      |  |
|                               | Digital Equinox (DEQ BC)  |                            |  |
| Douglas Lighting<br>Controls  | WPC-5721  |                            |  |
|                               | Tap Glide TG600FAM120 (120V)  |                            |  |
| Entertainment Technol-<br>ogy | Tap Glide Heatsink TGH1500FAM120 (120V)                                       | 7                          |  |
|                               | Oasis OA2000FAMU  | 1                          |  |
| Honeywell                     | EL7315A1019   | EL7305A1010                |  |
|                               | EL7315A1009   | (optional)                 |  |
|                               | Preset slide: PS-010-IV and PS-010-WH   |                            |  |
|                               | Preset slide: PS-010-3W-IV and PS-010-3W-WH                                   | 7                          |  |
| HUNT Dimming                  | 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   | 7                          |  |
| Lehigh Electronic<br>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  |                            |  |

# \*\* 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\*

\*See ordering tree for details

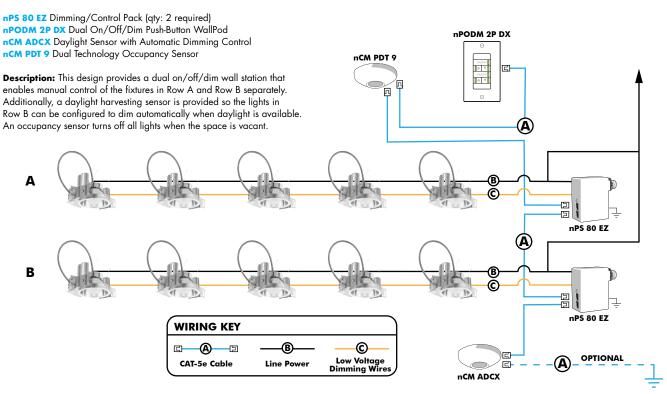


#### LDN<sub>6</sub>

#### **EXAMPLE**

Group Fixture Control\*

\*Application diagram applies for fixtures with eldoLED drivers only.



#### **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 <sup>®</sup> Wired Controls Accessories:  |  |  |                             |
|--|--|--|-----------------------------|
| Order as separate catalog number. Visit <a href="https://www.acuitybrands.com/products/controls/nlight">www.acuitybrands.com/products/controls/nlight</a> for complete listing of nLight controls. |  |  |                             |
| WallPod Stations   | Pod 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                             | CATS 10FT J1                |
|  |  | 15, CATS 15FT                              | CATS 15FT J1                |

#### nLight® AIR Control Accessories:

nber. Visit www.acuitybrands.com/products/controls/nlightair.

| oraci as separate catalog number. Visit www.acaityoranas.com, produces, controls, ningital |                                  |                           |
|--|----------------------------------|---------------------------|
|  | Wall switches                    | Model number              |
| l  | On/Off single pole               | rPODB [color]             |
| l  | On/Off two pole                  | rPODB 2P [color]          |
| l  | On/Off & raise/lower single pole | rPODB DX [color]          |
| l  | On/Off & raise/lower two pole    | rPODB 2P DX [color]       |
| I  | On/Off & raise/lower single pole | rPODBZ DX WH <sup>1</sup> |
|  |                                  |                           |

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 CLAIRITY app, pair the fixtures with the wall switch and if desired, customize the sensor settings for the desired outcome





nLight AIR rPODB 2P DX

