



FEATURES

COMPREHENSIVE FAMILY WITH COORDINATED APERTURES

- Linear downlights, adjustable accent, and wall wash luminaires with coordinating apertures
- Available in 2, 4, 6, 8, 12 cell configurations
- Flanged, flangeless (gypsum), flangeless (millwork) available

SPOT-ON! PRECISION OPTICS

- Available with metalized reflectors or total internal reflection (TIR) optics in four distributions ranging from 15° to 50° FWHM.
- Ultra low glare optics deliver virtually zero aperture brightness and high CBCP.
- Exceptional shielding with 40° visual cutoff to source/source image
- +/-35° vertical aiming

EXCEPTIONAL PERFORMANCE

- Up to 2230 lumens delivered!
- Exceptionally consistent color with < 2 SDCM
- Excellent color rendition with 80+ CRI | 90+ CRI Available

PERFORMANCE

| NUMBER OF CELLS | WATTS IN | DELIVERED LUMENS | EFFICACY (LPW) | MCBCP (15° BEAM) |
|-----------------|----------|------------------|----------------|------------------|
| 2-cell | 5 | 370 | 76 | 2209 |
| 4-cell | 9 | 740 | 85 | 4417 |
| 6-cell | 12 | 1115 | 92 | 6626 |
| 8-cell | 16 | 1480 | 92 | 8835 |
| 12-cell | 24 | 2230 | 95 | 13252 |

Performance shown is at 30K | 80CRI with reflector optics
 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



FLANGE STYLES



Flanged



Flangeless (Gypsum)



Flangeless (Wood | Stone | Tile)



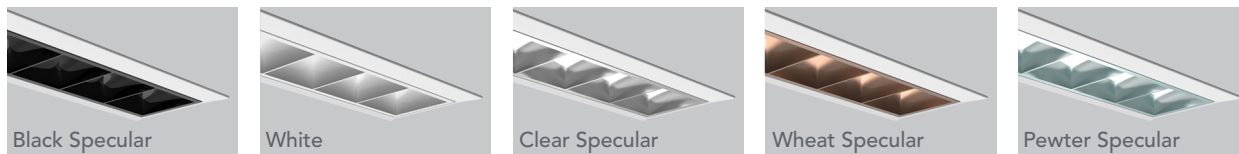
ORDERING INFORMATION

EXAMPLE: LN1SQ A 04C 27K 90CRI R15D UGZ MVOLT CP ICAT BS FM

| Housing Style | Lumens | CCT | CRI | Beam | Driver | Voltage |
|---|-------------|-----------|-----------------------------|------------------------------------|------------------------------|-----------------|
| LN1SQ A New Construction Adjustable | 02C 2 cell | 27K 2700K | 80CRI 90CRI ¹ | Reflector Optics | UGZ Phase Cut & 0-10V 1% min | MVOLT (120-277) |
| | 04C 4 cell | 30K 3000K | | R15D 15° beam | | |
| | 06C 6 cell | 35K 3500K | | R25D 25° beam | | |
| | 08C 8 cell | 40K 4000K | | R35D 35° beam | | |
| | 12C 12 cell | | | R50D 50° beam | | |
| | | | TIR Optics | | | |
| | | | | T15D 15° beam | | |
| | | | | T25D 25° beam | | |
| | | | | T35D 35° beam | | |
| | | | | T50D 50° beam | | |
| | | | | TIR Optics are wet location listed | | |

| Options | Construction | Baffle Finish | Flange Style/Finish |
|---|--|--|---|
| NLIGHT nLight Dimming pack (must be remote mounted) | CP ICAT Chicago Plenum & IC Rated, Air-tight | BS Black Specular W White CS Clear Specular PTS Pewter Specular WTS Wheat Specular | Flanged WHSF White Trim Flange BLSF Black Trim Flange Flangeless (Gypsum) FM Flangeless Gypsum Flangeless (Wood Stone Tile) SFM Flangeless Millwork, Stone, Tile |

BAFFLE FINISHES



FLANGE STYLE



ORDERING NOTES

1 90CRI available on 27K and 30K only.

PRODUCT SPECIFICATIONS

EXCEPTIONAL COLOR QUALITY

- <2 SDCM Binning
- 2700K | 3000K | 3500K | 4000K CCT
- 80+ CRI available for all CCTs
- 90+ CRI (>50 R9) available for 2700K & 3000K

SPOT-ON! PRECISION OPTICS & AIMING

- 40° visual cutoff to source and source image
- Field interchangeable baffle/optic assembly is available with metalized reflectors or total internal reflection (TIR) optics ranging from 15° to 50° FWHM.
- Ultra low glare reflectors deliver high CBCP and deliver virtually zero aperture brightness.
- TIR optics are optimized for smooth beams, provide slightly more aperture luminance, and are wet location listed.
- +/-35° vertical aiming (patent pending)

TRIMS

- Durable die cast trim frame
- Low glare baffles available in specular black, white, clear, pewter and wheat finishes.
- Available in Flanged and Flangeless (gypsum & millwork)

FIELD REPLACEABLE DRIVER

- Accommodates 120-277V input and compatible with 0-10V and phase dimming controls
- Dims without perceived flicker to <1% (min dim level depends on dimmer)
- Driver is field replaceable from below the ceiling
- >0.9 Power Factor

NEW CONSTRUCTION MOUNTING

- Features patented (US Patent 8,038,113) Pro-VI™ bar hanger system offering compatibility with wood stud and T-bar construction.
- All fixtures also feature vertically adjustable commercial mounting brackets (butterfly brackets).
- Bar hangers and commercial butterfly brackets can be removed and repositioned 90 degrees.

JUNCTION BOX

- Includes (4) ½" knock-outs.
- Push-in electrical connectors for field connections.
- Suitable for daisy-chain wiring with rigid and flexible supply.

CODES & LABELS

- UL & cUL listed damp and wet location (must specify TIR optics for wet location).
- Meets energy code Air Leakage requirements per ASTM E283
- ENERGY STAR® certified with reflector optics at 80 and 90CRI and TIR optics at 90CRI.
- Can be used to comply with CEC Title 24, Part 6 with 90CRI options.
- ICAT housings rated for direct contact with insulation.
- Union made

CEILING THICKNESS

- Accommodates ½" to 1 5/8" ceiling thickness

BUY AMERICAN ACT

- This product is assembled in the USA and meets the Buy America(n) government procurement requirements under FAR, DFARS and DOT regulations.
- Please refer to www.acuitybrands.com/resources/buy-american for additional information.

WARRANTY & RATED LIFE

- LED is rated for >50,000 hours at 70% lumen maintenance
- 5-year limited warranty. Complete warranty terms located at: http://www.acuitybrands.com/CustomerResources/Terms_and_conditions.aspx

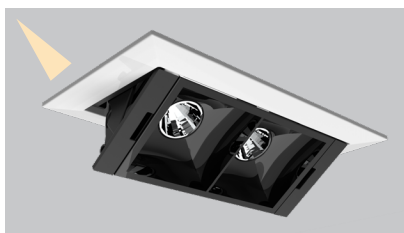
COORDINATED APERTURES

LN1SQ D



DOWNLIGHT

LN1SQ A



ADJUSTABLE

LN1SQ WW

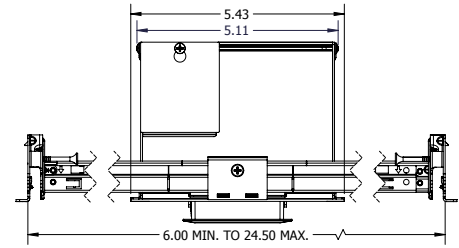
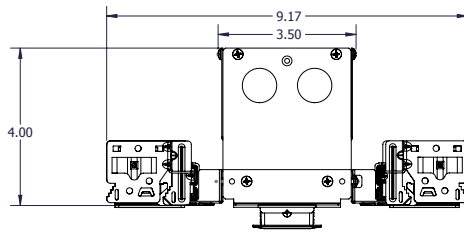


WALL WASH

HOUSING DIMENSIONS

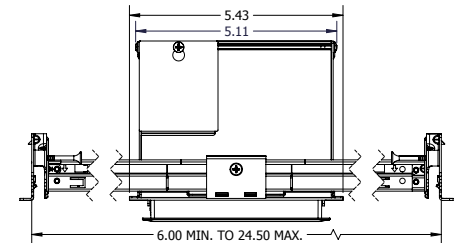
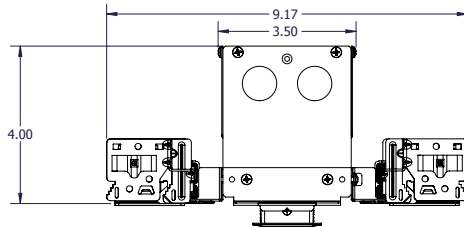
2-cell

Ceiling Cutout:
2.94" x 1.375"



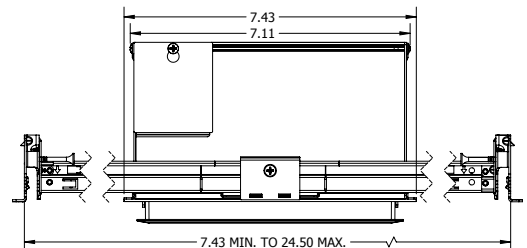
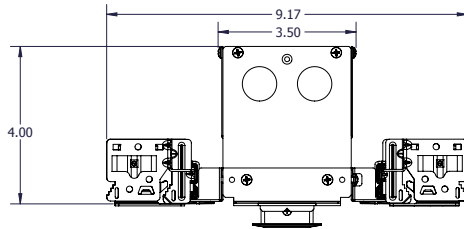
4-cell

Ceiling Cutout:
4.94" x 1.375"



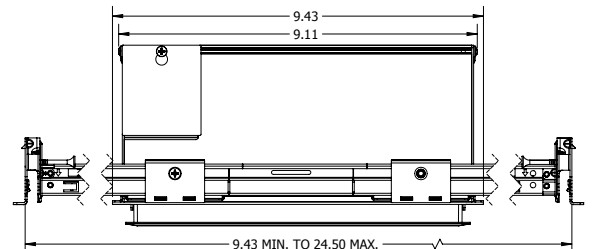
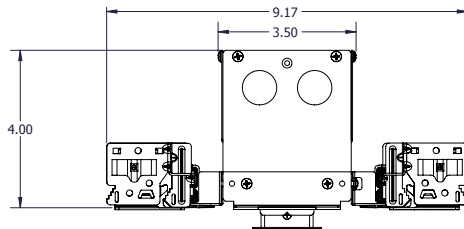
6-cell

Ceiling Cutout:
6.94" x 1.375"



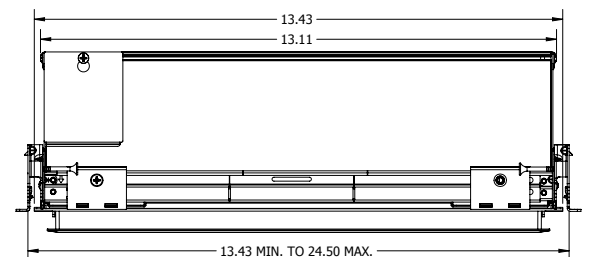
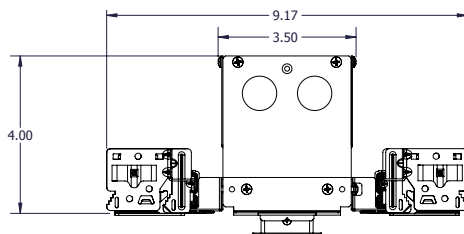
8-cell

Ceiling Cutout:
8.94" x 1.375"



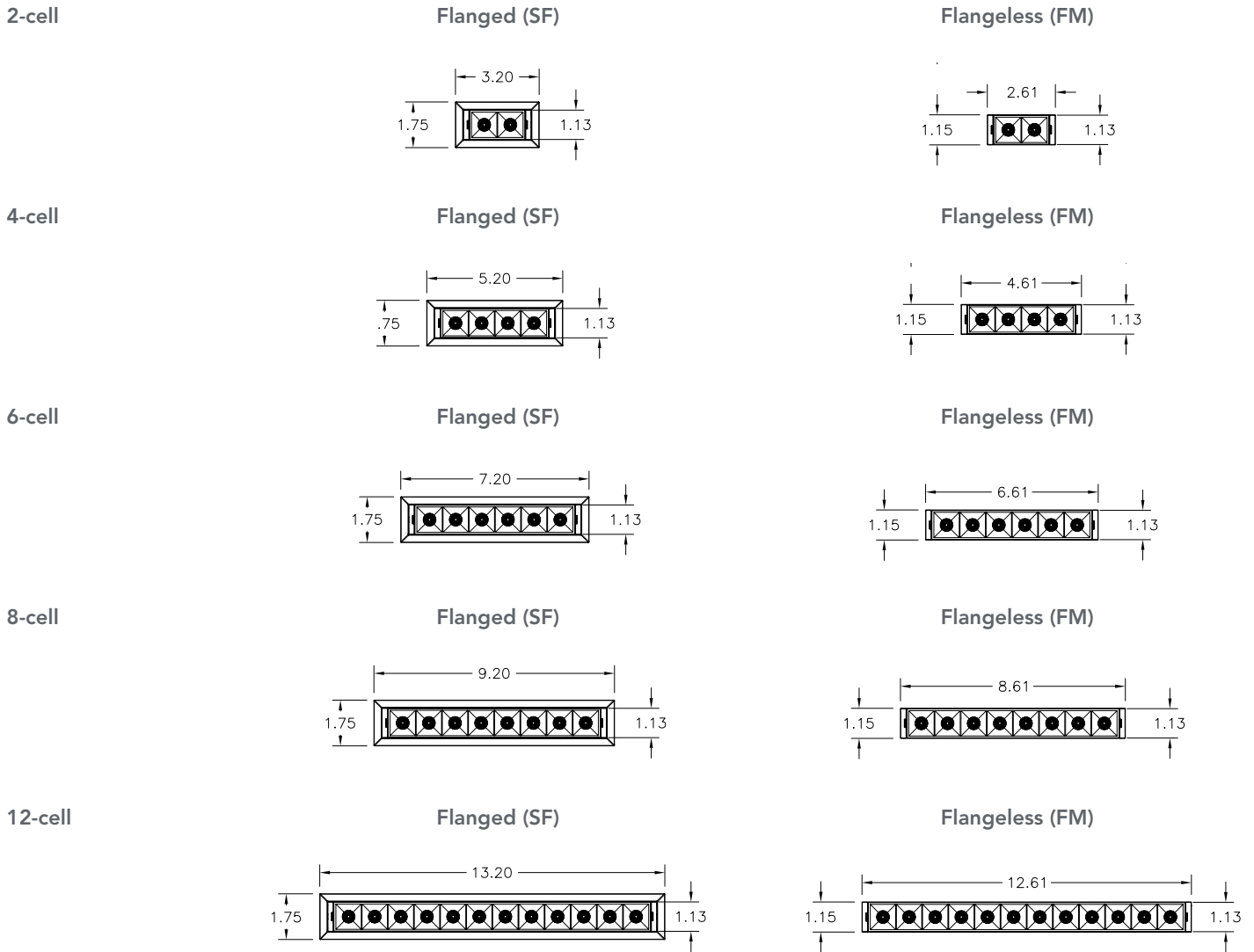
12-cell

Ceiling Cutout:
12.94" x 1.375"



* Ceiling cutouts are for flanged and flangeless gypsum only.
Refer to installation instructions for Flangeless wood, stone, tile (SFM) cutout.

BAFFLE DIMENSIONS

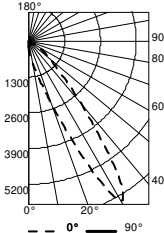
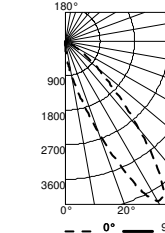
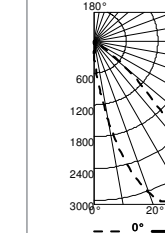
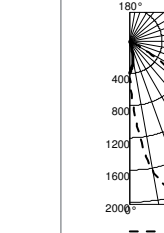






ELECTRICAL SPECIFICATIONS

| NUMBER OF CELLS | 2-CELL | | 4-CELL | | 6-CELL | | 8-CELL | | 12-CELL | |
|-----------------|------------|------|------------|------|------------|------|------------|------|------------|------|
| Voltage | 120 | 277 | 120 | 277 | 120 | 277 | 120 | 277 | 120 | 277 |
| Input Watts | 4.9 | 5.2 | 8.7 | 8.8 | 12.1 | 12.4 | 16.1 | 16.4 | 23.4 | 23.3 |
| Input Current | 0.04 | 0.02 | 0.07 | 0.03 | 0.10 | 0.05 | 0.13 | 0.06 | 0.20 | 0.09 |
| Frequency | 60 50 Hz | | 60 50 Hz | | 60 50 Hz | | 60 50 Hz | | 60 50 Hz | |
| Power Factor | 0.9 | | 0.9 | | 0.9 | | 0.9 | | 0.9 | |

PHOTOMETRICS - Reflector Optics

Tested in accordance to IESNA LM79

| 15 Degree Beam | 25 Degree Beam | 35 Degree Beam | 50 Degree Beam | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|----------------|----------------|----------------|----|-----|-----|-----|------|----|-----|------|---|-----|------|---|-----|------|---|-----|-----|---|-----|----|---|-----|---|---|-----|---|---|-----|---|---|--|----|-----|-----|----|-----|----|-----|------|----|-----|------|---|-----|------|---|-----|------|---|-----|-----|---|-----|----|---|-----|---|---|-----|---|---|-----|---|---|--|----|-----|-----|----|-----|-----|-----|------|----|-----|------|---|-----|------|---|-----|------|---|-----|-----|---|-----|---|---|-----|---|---|-----|---|---|-----|---|---|--|----|-----|-----|----|------|-----|-----|------|-----|-----|------|----|-----|------|---|-----|------|---|-----|-----|---|-----|----|---|-----|---|---|-----|---|---|-----|---|---|
| <p>LN1SQ A 06C 30K 80CRI R15D</p> <p>3000K LEDs, input watts: 12.2, delivered lumens: 1123, LM/W = 92, test no. 19-626-09</p>  <p>CP Summary</p> <table border="1"> <tr><th>0°</th><th>209</th><th>209</th></tr> <tr><th>5°</th><td>538</td><td>173</td></tr> <tr><th>15°</th><td>1340</td><td>41</td></tr> <tr><th>25°</th><td>4659</td><td>4</td></tr> <tr><th>35°</th><td>5191</td><td>1</td></tr> <tr><th>45°</th><td>1578</td><td>0</td></tr> <tr><th>55°</th><td>650</td><td>0</td></tr> <tr><th>65°</th><td>52</td><td>0</td></tr> <tr><th>75°</th><td>1</td><td>0</td></tr> <tr><th>85°</th><td>0</td><td>0</td></tr> <tr><th>90°</th><td>0</td><td>0</td></tr> </table> | 0° | 209 | 209 | 5° | 538 | 173 | 15° | 1340 | 41 | 25° | 4659 | 4 | 35° | 5191 | 1 | 45° | 1578 | 0 | 55° | 650 | 0 | 65° | 52 | 0 | 75° | 1 | 0 | 85° | 0 | 0 | 90° | 0 | 0 | <p>LN1SQ A 06C 30K 80CRI R25D</p> <p>3000K LEDs, input watts: 12.2, delivered lumens: 1074, LM/W = 88, test no. 19-626-10</p>  <p>CP Summary</p> <table border="1"> <tr><th>0°</th><th>112</th><th>112</th></tr> <tr><th>5°</th><td>453</td><td>83</td></tr> <tr><th>15°</th><td>1531</td><td>13</td></tr> <tr><th>25°</th><td>3906</td><td>4</td></tr> <tr><th>35°</th><td>4335</td><td>2</td></tr> <tr><th>45°</th><td>1819</td><td>0</td></tr> <tr><th>55°</th><td>606</td><td>0</td></tr> <tr><th>65°</th><td>20</td><td>0</td></tr> <tr><th>75°</th><td>1</td><td>0</td></tr> <tr><th>85°</th><td>0</td><td>0</td></tr> <tr><th>90°</th><td>0</td><td>0</td></tr> </table> | 0° | 112 | 112 | 5° | 453 | 83 | 15° | 1531 | 13 | 25° | 3906 | 4 | 35° | 4335 | 2 | 45° | 1819 | 0 | 55° | 606 | 0 | 65° | 20 | 0 | 75° | 1 | 0 | 85° | 0 | 0 | 90° | 0 | 0 | <p>LN1SQ A 06C 30K 80CRI R35D</p> <p>3000K LEDs, input watts: 12.2, delivered lumens: 1072, LM/W = 88, test no. 19-626-11</p>  <p>CP Summary</p> <table border="1"> <tr><th>0°</th><th>222</th><th>222</th></tr> <tr><th>5°</th><td>739</td><td>179</td></tr> <tr><th>15°</th><td>2392</td><td>36</td></tr> <tr><th>25°</th><td>3324</td><td>5</td></tr> <tr><th>35°</th><td>3164</td><td>2</td></tr> <tr><th>45°</th><td>1582</td><td>1</td></tr> <tr><th>55°</th><td>271</td><td>0</td></tr> <tr><th>65°</th><td>4</td><td>0</td></tr> <tr><th>75°</th><td>1</td><td>0</td></tr> <tr><th>85°</th><td>0</td><td>0</td></tr> <tr><th>90°</th><td>0</td><td>0</td></tr> </table> | 0° | 222 | 222 | 5° | 739 | 179 | 15° | 2392 | 36 | 25° | 3324 | 5 | 35° | 3164 | 2 | 45° | 1582 | 1 | 55° | 271 | 0 | 65° | 4 | 0 | 75° | 1 | 0 | 85° | 0 | 0 | 90° | 0 | 0 | <p>LN1SQ A 06C 30K 80CRI R50D</p> <p>3000K LEDs, input watts: 12.2, delivered lumens: 1124, LM/W = 92, test no. 19-626-12</p>  <p>CP Summary</p> <table border="1"> <tr><th>0°</th><th>405</th><th>405</th></tr> <tr><th>5°</th><td>1059</td><td>320</td></tr> <tr><th>15°</th><td>1912</td><td>106</td></tr> <tr><th>25°</th><td>2176</td><td>11</td></tr> <tr><th>35°</th><td>2145</td><td>3</td></tr> <tr><th>45°</th><td>1644</td><td>1</td></tr> <tr><th>55°</th><td>641</td><td>0</td></tr> <tr><th>65°</th><td>21</td><td>0</td></tr> <tr><th>75°</th><td>3</td><td>0</td></tr> <tr><th>85°</th><td>0</td><td>0</td></tr> <tr><th>90°</th><td>0</td><td>0</td></tr> </table> | 0° | 405 | 405 | 5° | 1059 | 320 | 15° | 1912 | 106 | 25° | 2176 | 11 | 35° | 2145 | 3 | 45° | 1644 | 1 | 55° | 641 | 0 | 65° | 21 | 0 | 75° | 3 | 0 | 85° | 0 | 0 | 90° | 0 | 0 |
| 0° | 209 | 209 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5° | 538 | 173 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 15° | 1340 | 41 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 25° | 4659 | 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 35° | 5191 | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 45° | 1578 | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 55° | 650 | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 65° | 52 | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 75° | 1 | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 85° | 0 | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 90° | 0 | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0° | 112 | 112 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5° | 453 | 83 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 15° | 1531 | 13 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 25° | 3906 | 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 35° | 4335 | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 45° | 1819 | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 55° | 606 | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 65° | 20 | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 75° | 1 | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 85° | 0 | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 90° | 0 | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0° | 222 | 222 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5° | 739 | 179 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 15° | 2392 | 36 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 25° | 3324 | 5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 35° | 3164 | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 45° | 1582 | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 55° | 271 | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 65° | 4 | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 75° | 1 | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 85° | 0 | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 90° | 0 | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0° | 405 | 405 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5° | 1059 | 320 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 15° | 1912 | 106 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 25° | 2176 | 11 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 35° | 2145 | 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 45° | 1644 | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 55° | 641 | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 65° | 21 | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 75° | 3 | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 85° | 0 | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 90° | 0 | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| Measured 06C 30K 80 CRI | | Horizontal Aiming Angles | | | | | | | Vertical Aiming Angles | | | | | | | | |
|---|------|--------------------------|-----|------|------|-----|------|------|------------------------|-----|------|------|------|-----|------|-----|-----|
| | | 0° | | | | 30° | | | 30° | | | | 35° | | | | |
| Beam Spread | CBCP | MH | FC | L | W | FC | L | W | D | FC | X | L | W | FC | X | L | W |
| 15D | 6626 | 6 | 184 | 1.7 | 1.7 | 120 | 2.3 | 2.0 | 3 | 92 | 5.2 | 3.7 | 1.7 | 139 | 4.3 | 2.9 | 1.6 |
|  | 6626 | 8 | 104 | 2.3 | 2.3 | 67 | 3.1 | 2.7 | 4 | 52 | 6.9 | 5.0 | 2.3 | 78 | 5.7 | 3.8 | 2.1 |
| | | 10 | 66 | 2.9 | 2.9 | 43 | 3.9 | 3.3 | 5 | 33 | 8.7 | 6.2 | 2.9 | 50 | 7.1 | 4.8 | 2.6 |
| | | 12 | 46 | 3.5 | 3.5 | 30 | 4.7 | 4.0 | 6 | 23 | 10.4 | 7.4 | 3.5 | 35 | 8.6 | 5.7 | 3.1 |
| | | 14 | 34 | 4.1 | 4.1 | 22 | 5.5 | 4.7 | 7 | 17 | 12.1 | 8.7 | 4.1 | 26 | 10.0 | 6.7 | 3.6 |
| 25D | 4724 | 4 | 295 | 1.6 | 1.6 | 192 | 2.2 | 1.8 | 2 | 148 | 3.5 | 3.6 | 1.6 | 313 | 2.9 | 1.9 | 1.0 |
|  | 4724 | 6 | 131 | 2.4 | 2.4 | 85 | 3.2 | 2.8 | 3 | 66 | 5.2 | 5.4 | 2.4 | 139 | 4.3 | 2.9 | 1.6 |
| | | 8 | 74 | 3.2 | 3.2 | 48 | 4.3 | 3.7 | 4 | 37 | 6.9 | 7.2 | 3.2 | 78 | 5.7 | 3.8 | 2.1 |
| | | 10 | 47 | 4.0 | 4.0 | 31 | 5.4 | 4.6 | 5 | 24 | 8.7 | 9.0 | 4.0 | 50 | 7.1 | 4.8 | 2.6 |
| | | 12 | 33 | 4.8 | 4.8 | 21 | 6.5 | 5.5 | 6 | 16 | 10.4 | 10.8 | 4.8 | 35 | 8.6 | 5.7 | 3.1 |
| 35D | 3275 | 4 | 205 | 2.4 | 2.4 | 133 | 3.2 | 2.7 | 2 | 102 | 3.5 | 6.4 | 2.4 | 313 | 2.9 | 1.9 | 1.0 |
|  | 3275 | 6 | 91 | 3.5 | 3.5 | 59 | 4.8 | 4.1 | 3 | 45 | 5.2 | 9.5 | 3.5 | 139 | 4.3 | 2.9 | 1.6 |
| | | 8 | 51 | 4.7 | 4.7 | 33 | 6.5 | 5.4 | 4 | 26 | 6.9 | 12.7 | 4.7 | 78 | 5.7 | 3.8 | 2.1 |
| | | 10 | 33 | 5.9 | 5.9 | 21 | 8.1 | 6.8 | 5 | 16 | 8.7 | 15.9 | 5.9 | 50 | 7.1 | 4.8 | 2.6 |
| | | 12 | 23 | 7.1 | 7.1 | 15 | 9.7 | 8.2 | 6 | 11 | 10.4 | 19.1 | 7.1 | 35 | 8.6 | 5.7 | 3.1 |
| 50D | 2146 | 4 | 134 | 3.4 | 3.4 | 87 | 4.8 | 3.9 | 2 | 67 | 3.5 | 14.5 | 3.4 | 313 | 2.9 | 1.9 | 1.0 |
|  | 2146 | 6 | 60 | 5.1 | 5.1 | 39 | 7.2 | 5.9 | 3 | 30 | 5.2 | 21.8 | 5.1 | 139 | 4.3 | 2.9 | 1.6 |
| | | 8 | 34 | 6.8 | 6.8 | 22 | 9.6 | 7.8 | 4 | 17 | 6.9 | 29.1 | 6.8 | 78 | 5.7 | 3.8 | 2.1 |
| | | 10 | 21 | 8.4 | 8.4 | 14 | 12.0 | 9.8 | 5 | 11 | 8.7 | 36.4 | 8.4 | 50 | 7.1 | 4.8 | 2.6 |
| | | 12 | 15 | 10.1 | 10.1 | 10 | 14.4 | 11.7 | 6 | 7 | 10.4 | 43.6 | 10.1 | 35 | 8.6 | 5.7 | 3.1 |

In vertical aiming applications, aim point (X) is determined by dividing distance from the wall (D) by the tangent of the desired aim angle (A) (0.5774 for 30°, 1.0 for 45°).

CBCP • Centerbeam candlepower FC • Footcandles at beam center (aim point)

LUMEN | CBCP MULTIPLIERS

| CCT | 80+ CRI | 90+ CRI | 02C | 04C | 06C | 08C | 12C |
|-------|---------|---------|------|------|-----|------|-----|
| 2700K | 0.97 | 0.80 | 0.33 | 0.67 | 1.0 | 1.33 | 2.0 |
| 3000K | 1.00 | 0.82 | | | | | |
| 3500K | 1.01 | - | | | | | |
| 4000K | 1.02 | - | | | | | |

*Refer to website for additional photometry (alternate trims, CCT/CRI, lumen packages)

PHOTOMETRICS - TIR Optics

Tested in accordance to IESNA LM79

| 15 Degree Beam | 25 Degree Beam | 35 Degree Beam | 50 Degree Beam | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|----------------|----------------|----------------|---------|----|---------|-----|----------|-----|---------|-----|---------|-----|---------|-----|-------|-----|-------|-----|------|-----|-----|-----|-----|---|----|-----|----|---------|----|---------|-----|----------|-----|----------|-----|---------|-----|---------|-----|-------|-----|-------|-----|------|-----|------|-----|-----|---|----|-----|----|---------|----|---------|-----|----------|-----|----------|-----|---------|-----|---------|-----|-------|-----|-------|-----|------|-----|------|-----|-----|---|----|-----|----|---------|----|---------|-----|---------|-----|----------|-----|----------|-----|--------|-----|-------|-----|-------|-----|-------|-----|------|-----|-----|
| <p>LN1SQ A 06C 30K 80CRI T15D</p> <p>3000K LEDs, input watts: 12.2, delivered lumens: 925, LM/W = 76, test no. 19-626-A02</p> <p>CP Summary</p> <table border="1"> <tr><th>0°</th><th>90°</th></tr> <tr><td>0°</td><td>235 235</td></tr> <tr><td>5°</td><td>426 211</td></tr> <tr><td>15°</td><td>1208 152</td></tr> <tr><td>25°</td><td>2904 86</td></tr> <tr><td>35°</td><td>3126 39</td></tr> <tr><td>45°</td><td>1242 12</td></tr> <tr><td>55°</td><td>499 5</td></tr> <tr><td>65°</td><td>146 0</td></tr> <tr><td>75°</td><td>25 0</td></tr> <tr><td>85°</td><td>6 0</td></tr> <tr><td>90°</td><td>4 0</td></tr> </table> | 0° | 90° | 0° | 235 235 | 5° | 426 211 | 15° | 1208 152 | 25° | 2904 86 | 35° | 3126 39 | 45° | 1242 12 | 55° | 499 5 | 65° | 146 0 | 75° | 25 0 | 85° | 6 0 | 90° | 4 0 | <p>LN1SQ A 06C 30K 80CRI T25D</p> <p>3000K LEDs, input watts: 12.2, delivered lumens: 941, LM/W = 77, test no. 19-626-14</p> <p>CP Summary</p> <table border="1"> <tr><th>0°</th><th>90°</th></tr> <tr><td>0°</td><td>293 293</td></tr> <tr><td>5°</td><td>502 268</td></tr> <tr><td>15°</td><td>1236 193</td></tr> <tr><td>25°</td><td>2664 108</td></tr> <tr><td>35°</td><td>2711 49</td></tr> <tr><td>45°</td><td>1264 12</td></tr> <tr><td>55°</td><td>454 5</td></tr> <tr><td>65°</td><td>147 0</td></tr> <tr><td>75°</td><td>29 0</td></tr> <tr><td>85°</td><td>11 0</td></tr> <tr><td>90°</td><td>8 0</td></tr> </table> | 0° | 90° | 0° | 293 293 | 5° | 502 268 | 15° | 1236 193 | 25° | 2664 108 | 35° | 2711 49 | 45° | 1264 12 | 55° | 454 5 | 65° | 147 0 | 75° | 29 0 | 85° | 11 0 | 90° | 8 0 | <p>LN1SQ A 06C 30K 80CRI T35D</p> <p>3000K LEDs, input watts: 12.2, delivered lumens: 954, LM/W = 78, test no. 19-626-15</p> <p>CP Summary</p> <table border="1"> <tr><th>0°</th><th>90°</th></tr> <tr><td>0°</td><td>342 342</td></tr> <tr><td>5°</td><td>529 320</td></tr> <tr><td>15°</td><td>1166 252</td></tr> <tr><td>25°</td><td>1851 154</td></tr> <tr><td>35°</td><td>1923 74</td></tr> <tr><td>45°</td><td>1214 22</td></tr> <tr><td>55°</td><td>533 2</td></tr> <tr><td>65°</td><td>215 0</td></tr> <tr><td>75°</td><td>62 0</td></tr> <tr><td>85°</td><td>11 0</td></tr> <tr><td>90°</td><td>1 0</td></tr> </table> | 0° | 90° | 0° | 342 342 | 5° | 529 320 | 15° | 1166 252 | 25° | 1851 154 | 35° | 1923 74 | 45° | 1214 22 | 55° | 533 2 | 65° | 215 0 | 75° | 62 0 | 85° | 11 0 | 90° | 1 0 | <p>LN1SQ A 06C 30K 80CRI T50D</p> <p>3000K LEDs, input watts: 12.2, delivered lumens: 967, LM/W = 79, test no. 19-626-16</p> <p>CP Summary</p> <table border="1"> <tr><th>0°</th><th>90°</th></tr> <tr><td>0°</td><td>454 454</td></tr> <tr><td>5°</td><td>565 435</td></tr> <tr><td>15°</td><td>765 361</td></tr> <tr><td>25°</td><td>1048 255</td></tr> <tr><td>35°</td><td>1141 145</td></tr> <tr><td>45°</td><td>901 47</td></tr> <tr><td>55°</td><td>634 2</td></tr> <tr><td>65°</td><td>377 0</td></tr> <tr><td>75°</td><td>130 0</td></tr> <tr><td>85°</td><td>30 0</td></tr> <tr><td>90°</td><td>2 0</td></tr> </table> | 0° | 90° | 0° | 454 454 | 5° | 565 435 | 15° | 765 361 | 25° | 1048 255 | 35° | 1141 145 | 45° | 901 47 | 55° | 634 2 | 65° | 377 0 | 75° | 130 0 | 85° | 30 0 | 90° | 2 0 |
| 0° | 90° | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0° | 235 235 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5° | 426 211 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 15° | 1208 152 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 25° | 2904 86 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 35° | 3126 39 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 45° | 1242 12 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 55° | 499 5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 65° | 146 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 75° | 25 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 85° | 6 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 90° | 4 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0° | 90° | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0° | 293 293 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5° | 502 268 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 15° | 1236 193 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 25° | 2664 108 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 35° | 2711 49 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 45° | 1264 12 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 55° | 454 5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 65° | 147 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 75° | 29 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 85° | 11 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 90° | 8 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0° | 90° | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0° | 342 342 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5° | 529 320 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 15° | 1166 252 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 25° | 1851 154 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 35° | 1923 74 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 45° | 1214 22 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 55° | 533 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 65° | 215 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 75° | 62 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 85° | 11 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 90° | 1 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0° | 90° | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0° | 454 454 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5° | 565 435 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 15° | 765 361 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 25° | 1048 255 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 35° | 1141 145 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 45° | 901 47 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 55° | 634 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 65° | 377 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 75° | 130 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 85° | 30 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 90° | 2 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| Measured 06C 30K 80 CRI | | FOR HORIZONTAL AIMING ANGLES | | | | | | | FOR VERTICAL AIMING ANGLES | | | | | | | | |
|--------------------------------|------|------------------------------|-----|-----|-----|------------------------|-----|-----|----------------------------|-----|-----|------|-----|-----|-----|-----|-----|
| | | Horizontal Aiming Angles | | | | Vertical Aiming Angles | | | | | | | | | | | |
| Beam Spread | CBCP | 0° | | 30° | | | 30° | | | | 35° | | | | | | |
| | | MH | FC | L | W | FC | L | W | D | FC | X | L | W | FC | X | L | W |
| 15D | 3869 | 6 | 107 | 1.9 | 1.9 | 70 | 2.5 | 2.2 | 3 | 54 | 5.2 | 4.1 | 1.9 | 139 | 4.3 | 2.9 | 1.6 |
| 25D | 3186 | 4 | 199 | 1.7 | 1.7 | 129 | 2.3 | 2.0 | 2 | 100 | 3.5 | 4.0 | 1.7 | 313 | 2.9 | 1.9 | 1.0 |
| 35D | 1938 | 4 | 121 | 2.5 | 2.5 | 79 | 3.5 | 2.9 | 2 | 61 | 3.5 | 7.2 | 2.5 | 313 | 2.9 | 1.9 | 1.0 |
| 50D | 1101 | 4 | 69 | 4.0 | 4.0 | 45 | 5.8 | 4.6 | 2 | 34 | 3.5 | 32.9 | 4.0 | 313 | 2.9 | 1.9 | 1.0 |

In vertical aiming applications, aim point (X) is determined by dividing distance from the wall (D) by the tangent of the desired aim angle (A) (0.5774 for 30°, 1.0 for 45°).
 CBCP • Centerbeam candlepower FC • Footcandles at beam center (aim point)

LUMEN | CBCP MULTIPLIERS

| CCT | 80+ CRI | 90+ CRI | 02C | 04C | 06C | 08C | 12C |
|-------|---------|---------|------|------|-----|------|-----|
| 2700K | 0.97 | 0.80 | 0.33 | 0.67 | 1.0 | 1.33 | 2.0 |
| 3000K | 1.00 | 0.82 | | | | | |
| 3500K | 1.01 | - | | | | | |
| 4000K | 1.02 | - | | | | | |

*Refer to website for additional photometry (alternate trims, CCT/CRI, lumen packages)



DIMMER COMPATIBILITY

Phase Dimming and 0-10V Dimming (UGZ)

Incandescent, Magnetic Low Voltage and Electronic Low Voltage Dimming

- Dimming range of 100% down to as low as 1% a minimum load of one fixture
- Dimming range and maximum rated load vary depending on dimmer type and model. See maximum load calculations below to identify max number of luminaires per dimmer.

Incandescent (INC) and Magnetic Low Voltage (MLV)

Example: Fixture Rating = 13W

Dimmer Rating = 600W

Equivalent Incandescent Load (EIL) = 50%

$(600/13W) \times 0.5 = 23$ Fixtures per Dimmer

Electronic Low Voltage (ELV)

Example: Fixture Rating = 13W

Dimmer Rating = 600W

Equivalent Incandescent Load (EIL) = 75%

$(600/13W) \times 0.75 = 34$ Fixtures per Dimmer

INCANDESCENT, MLV, ELV WALL DIMMERS

| Manf. | Product Family | Series | Type | Min Light(%) |
|----------|-----------------------|-------------|------|--------------|
| Lutron | Glyder | GLV* | MLV | 4 |
| Lutron | Rotary | D | INC | 2 |
| Leviton | SureSlide | 6633* | INC | 2 |
| Lutron | Diva | DVLV* | MLV | 7 |
| Lutron | Diva | DV | INC | 2 |
| Lutron | Skylark | SLV* | MLV | 5 |
| Lutron | RadioRA2 | 10ND | INC | 2 |
| Lutron | Nova T | NTLV | MLV | 4 |
| Lutron | Ceana | CNLV | MLV | 7 |
| Leviton | IllumaTech | IPL016-10Z* | INC | 3 |
| Leviton | SureSlide | 6613* | MLV | 2 |
| Lutron | Diva | DVCL | INC | 2 |
| Insteon | Keypad Dimmer | 2334-232* | INC | 2 |
| Insteon | Dimmer Switch | 2477D* | INC | 2 |
| Control4 | Forward Phase Dimmer | C4-FPD 120* | INC | 2 |
| Lutron | Nova | NTELV | ELV | 7 |
| Lutron | Diva | DVELV* | ELV | 2 |
| Lutron | Maestro | MAELV* | ELV | 6 |
| Leviton | Vizia | VPE06-1LX* | ELV | 3 |
| Leviton | IllumaTech | IPE04* | ELV | 4 |
| Lutron | RadioRA2 | RRD-6NA* | PHA | 2 |
| Control4 | Adaptive Phase Dimmer | C4-APD 120 | PHA | 2 |

INTEGRATED CONTROL SYSTEMS

| Manf. | Product Family | Series | Type | Min Light(%) |
|----------|---------------------|----------------|------|--------------|
| Lutron | LP | LP-RPM-4U* | INC | 6 |
| Lutron | LP | LP-RPM-4A* | PHA | 2 |
| Lutron | GrafikEye QS | QSGRJ-3P* | PHA | 2 |
| Lutron | GrafikEye QS | PHPM-PA-120* | PHA | 2 |
| Lutron | HomeWorks QS | PHPM-PA-120* | PHA | 2 |
| Lutron | HomeWorks QS | HW-RPM-4A* | PHA | 2 |
| Acuity | nLight nSP5PCD ELV | nSP5PCD* | ELV | 2 |
| Insteon | Micro Module Dimmer | 2442-222* | INC | 2 |
| Control4 | 8 Ch Dimmer | C4-DIN-8DIM-E* | PHA | 2 |

0-10V DIMMING Compatible with most 0-10V protocol dimmers.

| Manf. | Product Family | Series | Type | Min Light(%) |
|-------------|----------------|---------------|-------|--------------|
| Lutron | Energi Tripak | RMJ-5T-DV-B* | 0-10V | 1 |
| Wattstopper | DLM | LMRC-211* | 0-10V | 1 |
| Crestron | GreenLight | DIN-4DIMFLV4* | 0-10V | 1 |
| Lutron | GrafikEyeQS | GRX-TVI* | 0-10V | 1 |
| Lutron | GrafikEyeQS | GRX-TVI* | 0-10V | 1 |
| Leviton | IllumaTech | IP710-DLX | 0-10V | 1 |
| Lutron | HomeworksQS | GRX-TVM2* | 0-10V | 1 |
| Lutron | Nova T | NTFTV* + | 0-10V | 1 |
| Lutron | Nova T | NTSTV-DV* | 0-10V | 1 |
| Lutron | Nova T | NFTV* + | 0-10V | 1 |
| Acuity | SensorSwitch | WSX D WH* | 0-10V | 1 |
| Acuity | nLight | nPP16D* | 0-10V | 1 |

*: Aculux recommended dimmers

+: Requires a separate relay module to turn luminaire on/off