

PROJECT

DATE

COMMENTS

5-YEAR WARRANTY

0-10V DIMMING

TRIAC DIMMING

WET LOCATION

DAMP LOCATION

IP44 RATED

IC RATED

cUL US



Trim



Trimless

| ENERGY CHART   |         |                  |                 |                  |                 |
|----------------|---------|------------------|-----------------|------------------|-----------------|
| SIZE<br>inches | WATTAGE | 30° BEAM ANGLE   |                 | 50° BEAM ANGLE   |                 |
|                |         | DELIVERED LUMENS | EFFICACY (lm/w) | DELIVERED LUMENS | EFFICACY (lm/w) |
| 2              | 5W      | 335              | 67              | 365              | 73              |
| 2              | 8W      | 544              | 68              | 592              | 74              |
| 2              | 10W     | 670              | 67              | 740              | 74              |
| 2              | 13W     | 832              | 64              | 910              | 70              |
| 2              | 16W     | 976              | 61              | 1072             | 67              |
| 2              | 19W     | 1121             | 59              | 1235             | 65              |

## SPUR-2 2" ARCHITECTURAL DOWNLIGHT LED

The SPUR-2 is a precision-engineered 2" architectural LED downlight delivering exceptional performance in a compact aperture. Built on a modular twist-and-lock platform with interchangeable optics, SPUR-2 offers field-selectable wattage and dual dimming compatibility (0-10V dimming to 1% and TRIAC). Available with 90+ CRI fixed CCT options or 95+ CRI Dim-to-Warm, SPUR-2 is ideal for residential, hospitality, retail, and commercial spaces requiring discreet, high-quality illumination.

- Residential
- Commercial
- Hospitality

### PHYSICAL

|           |                                                                   |
|-----------|-------------------------------------------------------------------|
| Material  | Aluminum housing / die-cast aluminum (heat-sink body)             |
| Mounting  | Interchangeable optics (standard or low-glare lens)               |
| Lens      | Recessed (Remodel, New Construction Frame Kit, or IC Housing Kit) |
| Reflector | Classic reflector-inspired optical design; interchangeable optics |
| Finish    | Powder coat White or Black (trim dependent)                       |

### PERFORMANCE

|                       |                                                                    |
|-----------------------|--------------------------------------------------------------------|
| Warranty              | 5 years                                                            |
| Certifications        | cULus listed for damp locations; IC-rated option (with IC housing) |
| IP Rating             | Damp Location                                                      |
| Rated Life            | L70 > 50,000 hours                                                 |
| Operating Temperature | -20°C to +40°C (-4°F to 104°F)                                     |
| CCT                   | 2700K / 3000K / 3500K / 4000K or Dim-to-Warm (3000K–2000K)         |
| CRI                   | 90+ (Fixed CCT) or 95+ (Dim-to-Warm)                               |
| Beam Angle            | 30°, 50° (2" high-efficiency optics)                               |

### ELECTRICAL

|              |                                                 |
|--------------|-------------------------------------------------|
| Wattage      | 5–19W (field selectable)                        |
| Voltage      | 110–277V AC (driver dependent); TRIAC 120V only |
| Power Factor | >0.9                                            |
| Dimmable     | 0-10V (dims to 1%) and TRIAC                    |
| THD          | <20%                                            |

ORDERING LOGIC ON NEXT PAGE



ORDERING LOGIC

EX: SPUR-2-19-30-30-ARW-RW-R

| FAMILY                  | WATTAGE                                              | CCT                                                                                                                                                  | BEAM ANGLE       | TRIM                                                                                                                                                                                              |
|-------------------------|------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| SPUR-2                  | 19                                                   |                                                                                                                                                      |                  |                                                                                                                                                                                                   |
|                         | 19 <sup>1</sup> 5-19W Field Selectable               | 27 2700K<br>(90+ CRI)<br>30 3000K<br>(90+ CRI)<br>35 3500K<br>(90+ CRI)<br>40 4000K<br>(90+ CRI)<br>DT Dim-to-Warm 3000K-2000K<br>(95+ CRI, 13W MAX) | 30 30°<br>50 50° | ARW Adjustable Round White Flange<br>(30° TILT + 360° ROTATION)<br>ARB Adjustable Round Black Flange<br>(30° TILT + 360° ROTATION)<br>TLO Trimless Round Adjustable<br>(30° TILT + 360° ROTATION) |
| TRIM SHADE <sup>2</sup> | INSTALL TYPE <sup>3</sup>                            |                                                                                                                                                      | ORDERING NOTE    |                                                                                                                                                                                                   |
| RW White                | R Retrofit<br>(NON-IC)                               |                                                                                                                                                      | 1.               | Wattage is field-selectable at installation (5W, 8W, 10W, 13W, 16W, 19W).                                                                                                                         |
| RB Black                | NF New Construction — Frame Kit<br>(NON-IC)          |                                                                                                                                                      | 2.               | Trim shade finish options (select one).                                                                                                                                                           |
| RG Gold                 | NC New Construction — Housing Insulation Kit<br>(IC) |                                                                                                                                                      | 3.               | IC option requires IC housing insulation kit.                                                                                                                                                     |
| RC Chrome               |                                                      |                                                                                                                                                      |                  |                                                                                                                                                                                                   |

ACCESSORIES ORDERING LOGIC (ORDER SEPARATELY)

EX: SPUR-3-HB

| FAMILY | ACCESSORIES                                         |                                                        |
|--------|-----------------------------------------------------|--------------------------------------------------------|
| SPUR-2 |                                                     |                                                        |
|        | HB Honeycomb<br>(ONLY FOR ROUND/SQUARE SHADE)       | DGB Decorative Kit – Green<br>(BLACK FACE PLATE)       |
|        | WR Waterproof Plate (Wet Rated) For Round Shade     | DGW Decorative Kit – Green<br>(WHITE FACE PLATE)       |
|        | EM Emergency Field-install 16W LED Emergency Driver | DTB Decorative Kit – Transparent<br>(BLACK FACE PLATE) |
|        | DYB Decorative Kit – Yellow<br>(BLACK FACE PLATE)   | DTW Decorative Kit – Transparent<br>(WHITE FACE PLATE) |
|        | DYW Decorative Kit – Yellow<br>(WHITE FACE PLATE)   | DBB Decorative Kit – Blue<br>(BLACK FACE PLATE)        |
|        | DRB Decorative Kit – Red<br>(RED FACE PLATE)        | DBW Decorative Kit – Blue<br>(WHITE FACE PLATE)        |



# ASCENT

## ARCHITECTURAL LIGHTING

### SPUR-2 2" ARCHITECTURAL DOWNLIGHT LED

#### SPECIFICATIONS

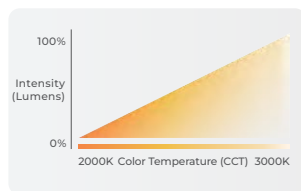
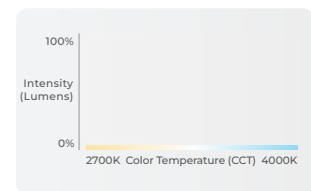
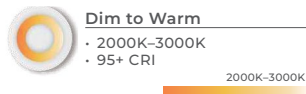
##### LED SYSTEM

**LED:** Powered by CREE or Bridgelux high efficiency COB LED chip.

**CRI:** 90+ for fixed CCT or 95+ CRI for Dim to Warm, producing outstanding illumination at a tight chromaticity specification and color binning process.

**CCT:** 2700K, 3000K, 3500K and 4000K fixed CCT with a great color consistency or Dim to Warm from 3000K to 2000K.

**Light Engine Heatsink:** Aluminum housing acting as the heat sink to maximize life. The temperature of all heatsinks are controlled at 60-70°C.



##### OPTICS

Classic reflector-like design provides high lighting transmittance. It effect in light control and anti-glare with side facula and fade-out facula. The MR16 standard size (diameter 1.96") design make them widely practical. Available in 30° and 50° beam angles, beam spreads are interchangeable which can be easily swapped out in the field without tools.

##### TRIM FINISH / SHADE

Powder coat white and black finishes offer uniform finish providing long term performance and superior aesthetic, compatible for multiple trim shades.



Round



Decorative Kit

##### ELECTRICAL

**LED Driver:** It is powered by Class 2 high efficiency LED driver, with a standard 0-10V dimming which continuous dims to 1% or Triac dimming that works with many types of controls. Thermal overload protection shuts down the luminaire when system temperatures exceed designed operating conditions.

**THD:** <20%

**Power Factor:** >0.9

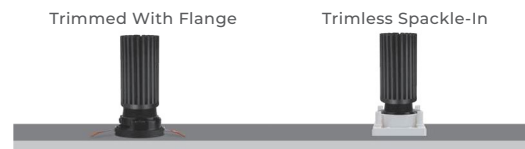
**Input Voltage:** Standard electronic drivers are cULus recognized and available for 110-277V AC.

**Environment:** Environment damp rated for ambient operating temperature of -20°C to +40°C (-4° to +104°F)

##### INSTALLATION

Twist & Lock mechanism for easy trim installation.

Durable tension clips enable fast and easy flush installation.



##### WARRANTY

Five-year warranty for parts and components. (Labor not included)

##### LISTINGS

• cULus listed for damp locations.

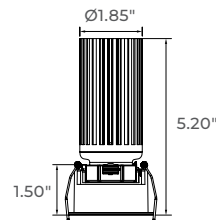
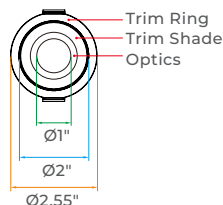
##### Notes:

- Ambient temperatures at fixture location should not exceed 40°C during normal operation.
- For interior use only

#### DIMENSIONS

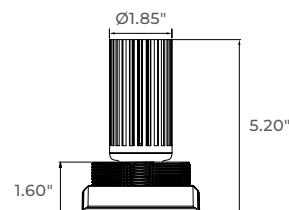
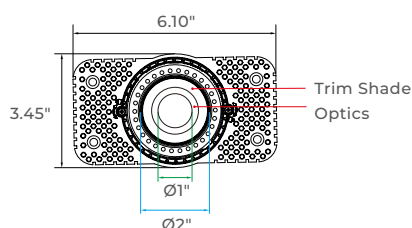
##### ROUND TRIM

Mounting Diameters: 2.2"-2.26"



##### ROUND TRIMLESS

Mounting Diameters: 3.5"-2.26"





# ASCENT

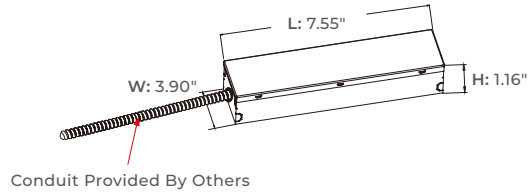
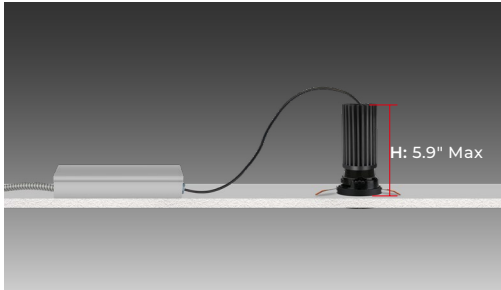
## ARCHITECTURAL LIGHTING

### SPUR-2 2" ARCHITECTURAL DOWNLIGHT LED

#### MOUNTING

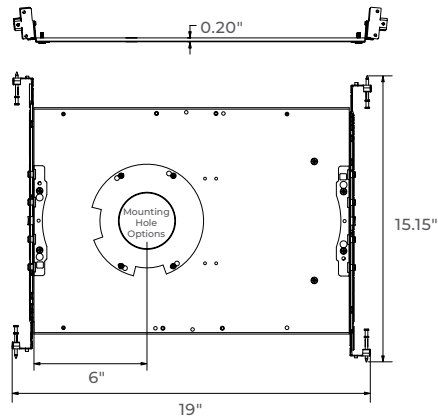
##### Remodel (NON-IC)- LED Driver Box

It can be installed in existing ceilings for remodel application. Simple cut a hole in existing drywall ceilings.



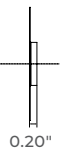
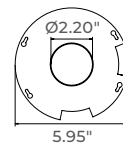
##### New Construction-Frame Kit (NON-IC)

A rough-in frame option is available for all new constructions and a variety of ceiling types. LED driver box rests on the frame kit by magnet when installed as shown below.

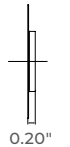
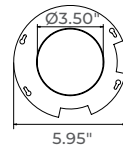


#### MOUNTING HOLE OPTIONS

##### ROUND TRIM

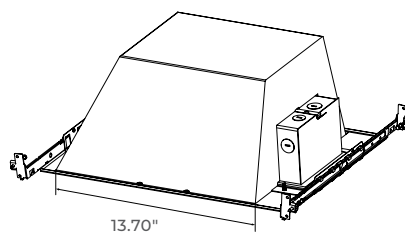
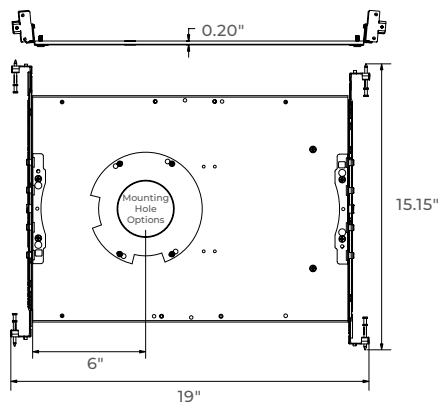


##### ROUND TRIMLESS



##### New Construction-Housing Insulation Kit (IC)

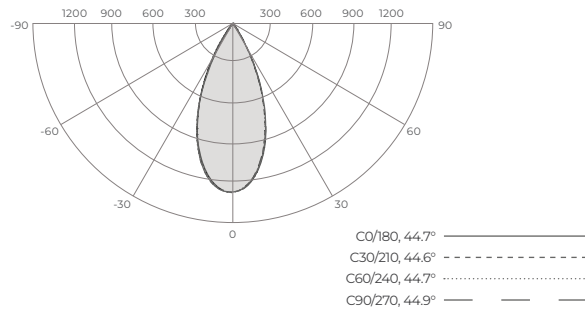
An IC-rated housing frame kit allows placement of 3inch LED downlight in direct contact with insulation.





### PHOTOMETRICS - 2" - 10W - 3000K - 50°

AVERAGE BEAM ANGLE (50%): 44.7°



Luminance cd/(m2)

| G(DEG) | C0/180 | C90/270 |
|--------|--------|---------|
| 85     | 155    | 312     |
| 80     | 340    | 899     |
| 75     | 1118   | 1658    |
| 70     | 1723   | 2191    |
| 65     | 2260   | 2944    |
| 60     | 3204   | 3496    |
| 55     | 3327   | 3276    |
| 50     | 3418   | 3284    |
| 45     | 5071   | 6881    |

ZONAL FLUX DIAGRAM

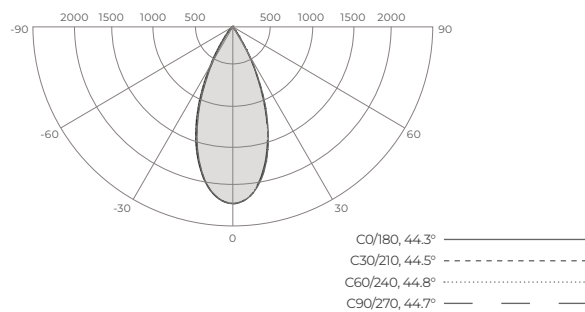
| T   | C0                     | C45    | C90    | C135   | C180   |
|-----|------------------------|--------|--------|--------|--------|
| 10  | 1103                   | 1098   | 1108   | 1136   | 1149   |
| 20  | 707.5                  | 695.1  | 709.7  | 754.8  | 784.6  |
| 30  | 235.5                  | 250.8  | 252.5  | 286.5  | 288.0  |
| 40  | 28.5                   | 34.08  | 34.15  | 43.27  | 43.93  |
| 50  | 4.399                  | 4.663  | 4.221  | 4.627  | 4.103  |
| 60  | 3.207                  | 3.187  | 3.495  | 3.034  | 3.023  |
| 70  | 1.180                  | 1.284  | 1.499  | 1.207  | 1.123  |
| 80  | 0.1182                 | 0.1257 | 0.3123 | 0.0988 | 0.0806 |
| 90  | 0                      | 0      | 0      | 0      | 0      |
| 100 | 0                      | 0.0317 | 0      | 0.0137 | 0      |
| 110 | 0.2477                 | 0.2844 | 0.2788 | 0.2483 | 0.0813 |
| 120 | 0.8568                 | 0.9700 | 0.9235 | 0.8664 | 0.3527 |
| 130 | 1.926                  | 2.035  | 2.005  | 1.900  | 1.112  |
| 140 | 3.240                  | 3.329  | 3.313  | 3.208  | 2.277  |
| 150 | 4.387                  | 4.428  | 4.405  | 4.366  | 3.568  |
| 160 | 4.907                  | 4.838  | 4.888  | 4.897  | 4.398  |
| 170 | 4.840                  | 4.838  | 4.906  | 4.893  | 4.695  |
| 180 | 4.930                  | 4.919  | 4.942  | 4.988  | 4.903  |
| DEG | LUMINOUS INTENSITY: cd |        |        |        |        |

ZONAL LUMEN SUMMARY

| T        | Φ TOTAL |
|----------|---------|
| 0-10     | 113.9   |
| 10-20    | 377.2   |
| 20-30    | 605.2   |
| 30-40    | 683.9   |
| 40-50    | 696.3   |
| 50-60    | 699.7   |
| 60-70    | 702.0   |
| 70-80    | 702.8   |
| 80-90    | 702.9   |
| 90-100   | 702.9   |
| 100-110  | 703.0   |
| 110-120  | 703.3   |
| 120-130  | 704.2   |
| 130-140  | 705.9   |
| 140-150  | 708.0   |
| 150-160  | 710.0   |
| 160-170  | 711.4   |
| 170-180  | 711.8   |
| UNIT: lm |         |

### PHOTOMETRICS - 2" - 19W - 3000K - 50°

AVERAGE BEAM ANGLE (50%): 44.6°



Luminance cd/(m2)

| G(DEG) | C0/180 | C90/270 |
|--------|--------|---------|
| 85     | 543    | 1194    |
| 80     | 770    | 2057    |
| 75     | 2008   | 3150    |
| 70     | 2977   | 4299    |
| 65     | 3928   | 5259    |
| 60     | 5564   | 5630    |
| 55     | 5734   | 5537    |
| 50     | 5819   | 6823    |
| 45     | 9832   | 16062   |

ZONAL FLUX DIAGRAM

| T   | C0                     | C45    | C90    | C135   | C180   |
|-----|------------------------|--------|--------|--------|--------|
| 10  | 1973                   | 1972   | 1952   | 1948   | 1952   |
| 20  | 1295                   | 1292   | 1262   | 1259   | 1273   |
| 30  | 454.7                  | 484.9  | 459.1  | 464.1  | 449.4  |
| 40  | 60.28                  | 64.92  | 61.47  | 67.22  | 63.69  |
| 50  | 7.343                  | 8.124  | 8.805  | 8.116  | 7.210  |
| 60  | 5.462                  | 5.451  | 5.651  | 5.051  | 5.292  |
| 70  | 1.999                  | 2.358  | 2.952  | 2.111  | 2.061  |
| 80  | 0.2626                 | 0.3539 | 0.7171 | 0.2805 | 0.2248 |
| 90  | 0.0181                 | 0.0001 | 0.0274 | 0.0045 | 0.0134 |
| 100 | 0.0309                 | 0.0813 | 0.0679 | 0.0911 | 0.0310 |
| 110 | 0.4508                 | 0.4770 | 0.5197 | 0.5186 | 0.1994 |
| 120 | 1.442                  | 1.556  | 1.651  | 1.651  | 0.7404 |
| 130 | 3.252                  | 3.373  | 3.483  | 3.523  | 2.136  |
| 140 | 5.523                  | 5.647  | 5.773  | 5.759  | 4.222  |
| 150 | 7.578                  | 7.651  | 7.708  | 7.730  | 6.400  |
| 160 | 8.554                  | 8.500  | 8.538  | 8.578  | 7.882  |
| 170 | 8.506                  | 8.495  | 8.547  | 8.524  | 8.222  |
| 180 | 8.572                  | 8.652  | 8.629  | 8.669  | 8.612  |
| DEG | LUMINOUS INTENSITY: cd |        |        |        |        |

ZONAL LUMEN SUMMARY

| T        | Φ TOTAL |
|----------|---------|
| 0-10     | 198.8   |
| 10-20    | 656.9   |
| 20-30    | 1051    |
| 30-40    | 1188    |
| 40-50    | 1209    |
| 50-60    | 1215    |
| 60-70    | 1219    |
| 70-80    | 1221    |
| 80-90    | 1221    |
| 90-100   | 1221    |
| 100-110  | 1221    |
| 110-120  | 1222    |
| 120-130  | 1224    |
| 130-140  | 1227    |
| 140-150  | 1230    |
| 150-160  | 1234    |
| 160-170  | 1236    |
| 170-180  | 1237    |
| UNIT: lm |         |





**ADDITIONAL IMAGERY**



**MOUNTING**



**TRIM SHADES**



White (RW)



Black (RB)

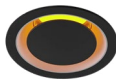


Gold (RG)

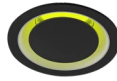


Chrome (RC)

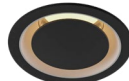
**DECORATIVE KIT**



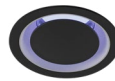
Black Face Plate, Yellow (DYB)



Black Face Plate, Green (DGB)



Black Face Plate, Transparent (DTB)



Black Face Plate, Blue (DBB)



Black Face Plate, Red (DRB)

**ENGINE, OPTICS & TRIM**

