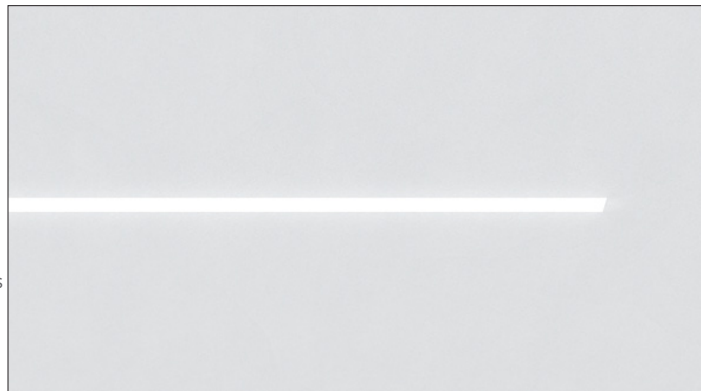


# 3G LIGHTING

## 3G-1RLI

1.5" RECESSED LINEAR

Narrow 1.5" aperture with one piece extruded aluminum housing  
Individual or continuous runs available in multiple run configurations  
Suitable for drywall, wood, grid ceiling, and other architectural ceiling applications  
LED system with performance up to 111 lumens per watt  
Extruded acrylic lens with optimal performance and glare control  
Asymmetric optics available  
1% dimming standard with several driver options



### ORDERING INFORMATION

|                   |                      |              |                      |
|-------------------|----------------------|--------------|----------------------|
| <b>PROJECT:</b>   | <input type="text"/> | <b>TYPE:</b> | <input type="text"/> |
| <b>CATALOG #:</b> | <input type="text"/> | <b>DATE:</b> | <input type="text"/> |

| CAT. NO        | LUMEN OUTPUT (DELIVERED LUMENS)   | CRI   | COLOR TEMP   | VOLTAGE                                    |
|----------------|---|---|--|--|
| <b>3G-1RLI</b> | <b>D250</b> - 250 LM/FT <sup>1</sup><br><b>D500</b> - 500 LM/FT<br><b>D750</b> - 750 LM/FT<br><b>D1000</b> - 1000 LM/FT <sup>2</sup><br><b>DC__</b> - CUSTOM OUTPUT (SPECIFY LM/FT)*<br><br><small>*Specify custom lumen outputs in 50lm increments (ie: DC600, DC650, DC700)<br/>Custom output cannot exceed D1000</small> | <b>S80</b> - 80+ CRI <sup>3</sup><br><b>H90</b> - 90+ CRI | <b>27K</b> - 2700K<br><b>30K</b> - 3000K<br><b>35K</b> - 3500K<br><b>40K</b> - 4000K | <b>UNV</b> - 120/277V<br><b>347</b> - 347V |

| DRIVER  | FLANGE TYPE  | LENS OPTION   | OPTIONS  |
|---|--|---|--|
| <b>DIM</b> - 0-10V (STANDARD 100-1%)<br><b>DHL2</b> - LUTRON HI-LUME LDE1 (100-1% ECOSYSTEM)<br><b>DALI</b> - DALI (eidoLED, 100-1%) <sup>4</sup><br><b>D01</b> - 0-10V (eidoLED, 100-0.1%)<br><b>DMX</b> - DMX (eidoLED, 100-0%) | <b>WT</b> - WHITE TRIM<br><b>XTR</b> - TRIMLESS (DRYWALL)<br><b>FX</b> - FLANGELESS<br><b>GCX</b> - GRID CEILING (UNIVERSAL MOUNT)*<br><br><small>*Grid ceiling fixtures ship with universal mounting brackets suitable for all ceiling types. See mounting section for details.</small> | <b>FL</b> - FLUSH<br><b>DASY</b> - ASYMMETRIC OPTIC | <b>EMB</b> - INTEGRAL EMERGENCY BATTERY (MIN 4' SECTION)<br><b>EMC</b> - EMERGENCY CIRCUIT<br><b>CP</b> - CHICAGO PLENUM |

| LENGTH (FEET)   |  |
|---|--|
| <b>S</b> - ____' (STRAIGHT RUN)*<br><b>L</b> - ____'X ____' (L-SHAPE)<br><b>U</b> - ____'X ____' X ____' (U-SHAPE)<br><b>R</b> - ____'X ____' (RECTANGLE/SQUARE)<br><b>T</b> - ____'X ____' (T-SHAPE)<br><b>X</b> - ____'X ____' (X-SHAPE)<br><b>CUS</b> - ____ (CUSTOM LAYOUT - PROVIDE DRAWING)<br><br><small>* Individual units available from 2' to 8'<br/>Continuous runs available in 1" increments as standard</small> |  |

- <sup>1</sup> D250 (250LM/FT) not available in 2' length with DALI, D01, DMX, or DHL2. Specify minimum DC350 for those driver options  
<sup>2</sup> D1000 (1000LM/FT) not available with H90 (90+ CRI)  
<sup>3</sup> S80 (80+ CRI) not available with 27K and 40K  
<sup>4</sup> DALI-2 (Type 6) provided as standard. Please consult factory for DALI (Type 8) options

NOVEMBER 1, 2022

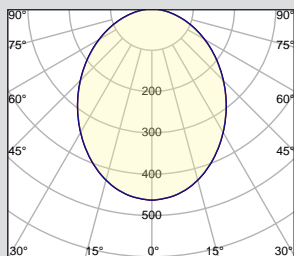
#### PERFORMANCE CHART BASED ON 4' LENGTH (80+ CRI AND 3500K SOURCE)

| LENS OPTION | DELIVERED LUMENS (LM/FT) | SYSTEM WATTS (W/FT) | EFFICACY (LPW) |
|-------------|--------------------------|---------------------|----------------|
| FLUSH       | 250                      | 2.3                 | 110            |
|             | 500                      | 4.5                 | 111            |
|             | 750                      | 7.2                 | 105            |
|             | 1000                     | 9.9                 | 101            |
| ASYMMETRIC  | 250                      | 2.3                 | 106            |
|             | 500                      | 4.5                 | 105            |
|             | 750                      | 7.2                 | 102            |
|             | 1000                     | 9.9                 | 102            |

LUMEN OUTPUT MULTIPLIER: 27K=0.94, 30K=0.97, 35K=1.00, 40K=1.01, 90CRI=0.88

#### PHOTOMETRY BASED ON 4' LENGTH (80+ CRI AND 3500K SOURCE)

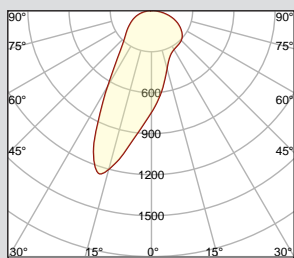
##### FL - FLUSH



##### 3G-1RLI-L500-S80-FL

DELIVERED LUMENS: 500LM/FT (2000LM)  
 SYSTEM WATTS: 4.5W/FT (18.0W)  
 EFFICACY: 111LPW  
 CRI: 80+  
 CCT: 3500K  
 LENS OPTION: FLUSH

##### DASY - ASYMMETRIC OPTIC



##### 3G-1RLI-L500-S80-DASY

DELIVERED LUMENS: 500LM/FT (2000LM)  
 SYSTEM WATTS: 4.5W/FT (18.0W)  
 EFFICACY: 105LPW  
 CRI: 80+  
 CCT: 3500K  
 LENS OPTION: ASYMMETRIC

**TECHNICAL****HOUSING**

Extruded aluminum housing with narrow 1.5" aperture  
Individual units and continuous runs available in 1" increments as standard  
Aluminum trim flange with matte white powder coated finish and minimal 0.400" overlap  
Trimless model features a satin coat mudding flange for seamless ceiling integration  
24-gauge LED reflector with high reflectance white powder coated finish  
Standard polyester powder coated matte white finish

**OPTICS**

Extruded, satin acrylic lens designed for optimal performance and glare control. Up to 8' continuous  
High performance asymmetric optics available

**ELECTRICAL**

Standard 0-10V, constant current drivers with 100-1% dimming range and >0.9 power factor  
Standard 120/277V universal voltage with several driver options  
Luminaires are pre-wired with factory installed quick connects and branch circuit wiring  
All drivers are integral and easily accessible through luminaire aperture  
Minimum 4' and maximum 6' length for each integral emergency battery. 10W output for 90 minutes

**LED SYSTEM**

Proprietary LED system with color consistency <3 SDCM  
Available in 27K, 30K, 35K, and 40K  
Standard 80+CRI. Optional 90+CRI  
R9 value of 56 for 90+CRI  
L90 >60,000 hours  
5 Year Warranty

**MOUNTING**

Housing suspended via 1/4" threaded rod or suspension cables (by others)  
Toolless installation with 3G's proprietary mounting system  
Internal, toolless joiner system (latch and hook) easily connects multiple sections together  
LED reflectors remain within each fixture section during installation with 3G's click and lock spring system  
Trim fixture designed for use in drywall, wood, and other architectural ceiling materials  
Trimless fixture designed for use in drywall, mud-in ceiling applications  
Flangeless fixture designed for use in wood ceilings. New construction only  
Suitable for various grid ceiling applications (see mounting details)  
Fixture weight: +/- 2.5 lb/ft

**LISTING**

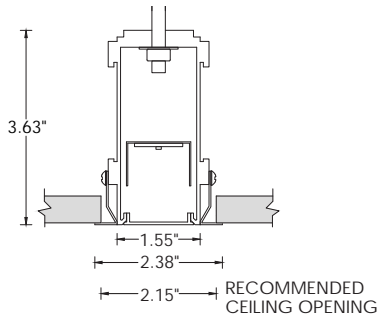
ETL listed and conforms to UL1598 standard. Certified to CSA22.2 NO.250.0. Rated for indoor dry or damp locations  
IC rated - Suitable for direct contact with insulation

**WARRANTY**

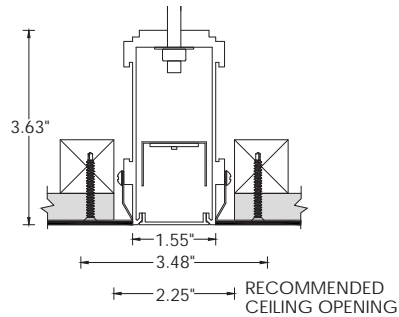
5 Year Warranty on LED and drivers  
Manufacturer 1 Year Warranty for defects in material and workmanship under normal use  
Ambient temperature at fixture should not exceed 25°C

#### DRAWINGS AND DIMENSIONS HARD CEILING

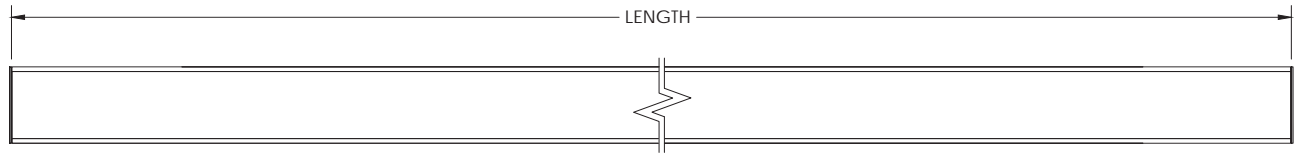
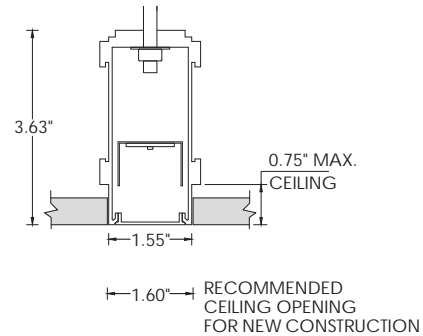
##### WT - TRIM



##### XTR - TRIMLESS



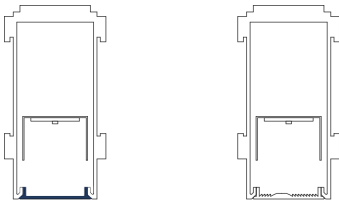
##### FX - FLANGELESS (NEW CONSTRUCTION)



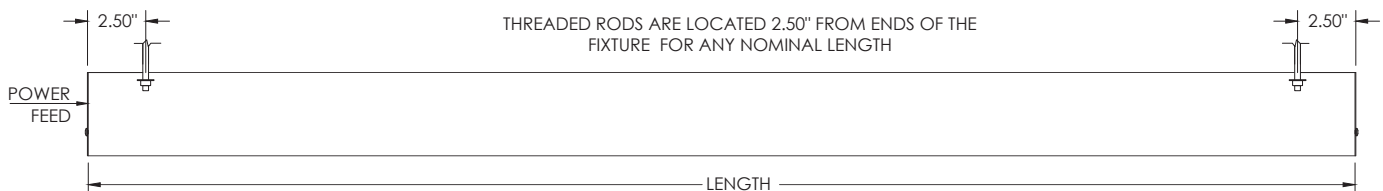
#### LENS OPTION

##### FL - FLUSH

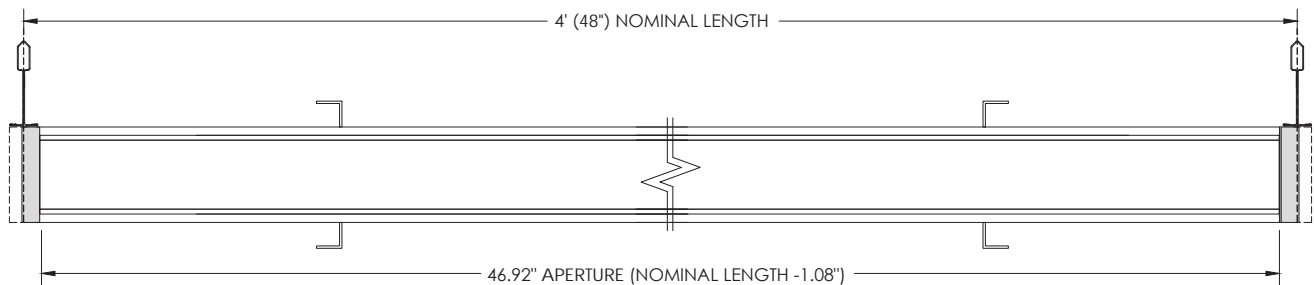
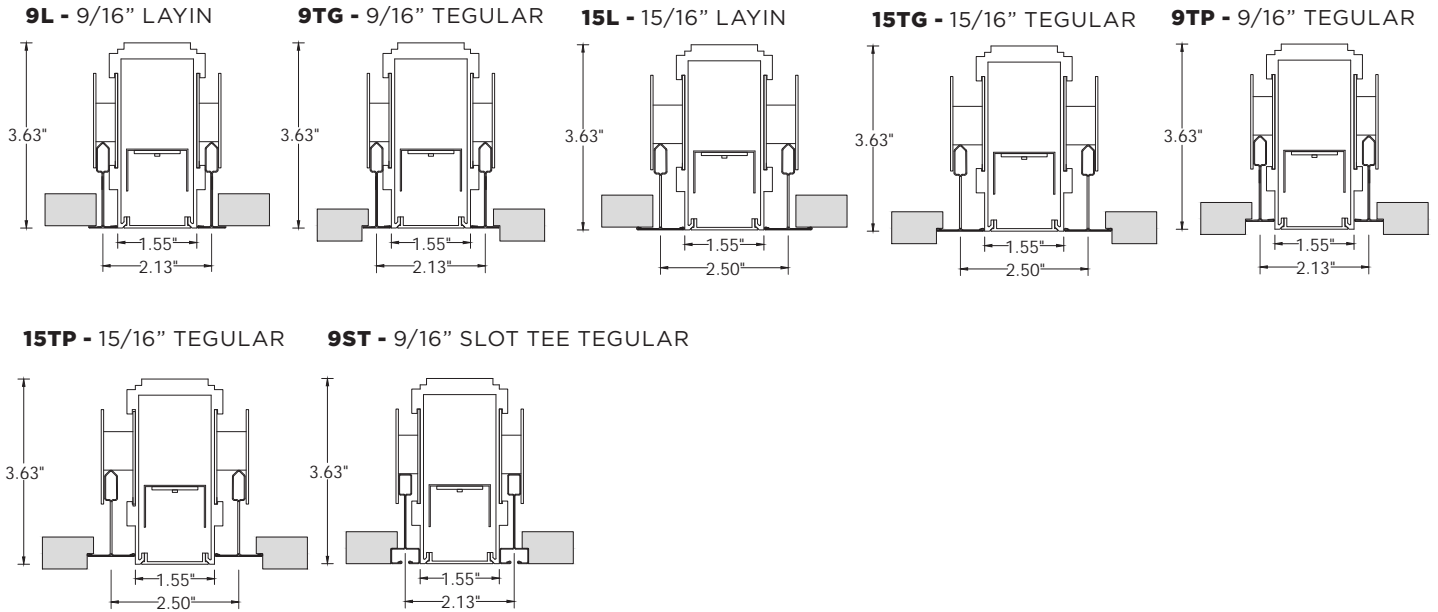
##### DASY - ASYMMETRIC



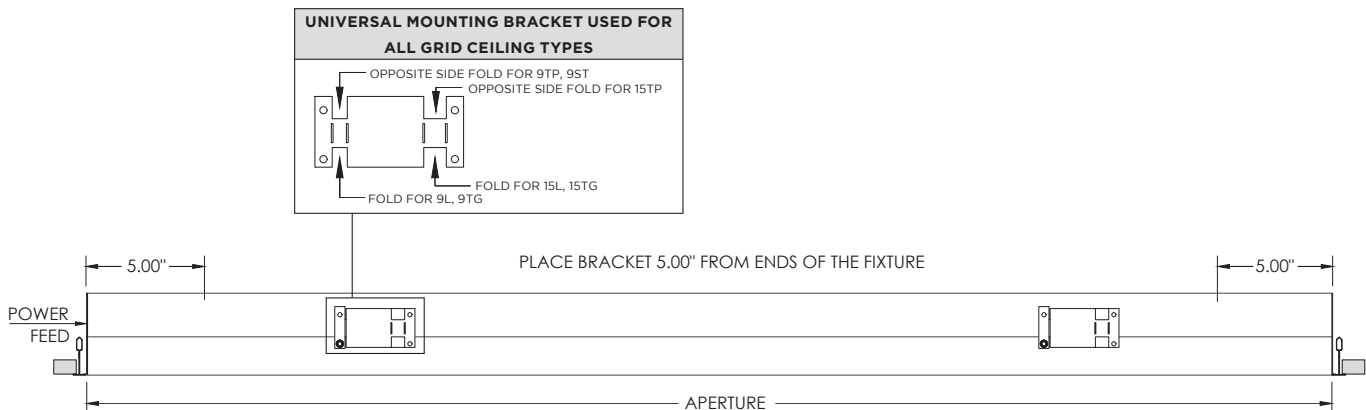
#### MOUNTING DETAILS HARD CEILING



#### DRAWINGS AND DIMENSIONS GRID CEILING



#### MOUNTING DETAILS GRID CEILING

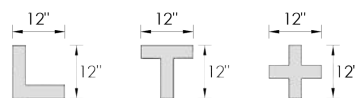


#### PATTERNS

Specify pattern shape and overall dimensions as shown below

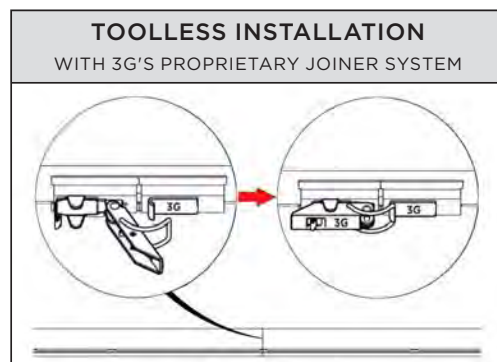
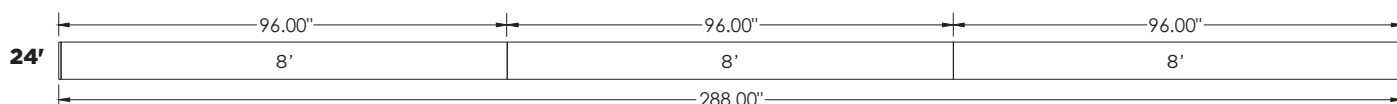
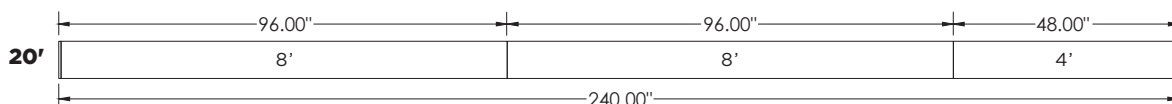
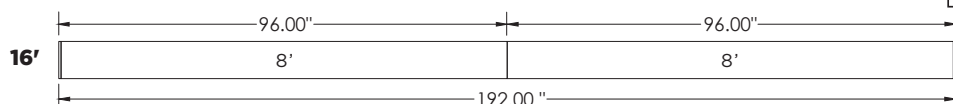
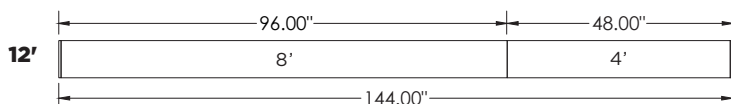
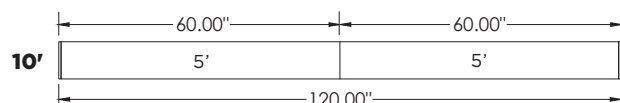
Patterns are connected with fully illuminated 12"x12" L, T, and X-shaped sections

Please consult factory for custom patterns and shapes not shown below



| L-SHAPE  | U-SHAPE  | RECTANGLE/SQUARE  | T-SHAPE   | X-SHAPE  |
|--|--|---|---|--|
| Provide dimensions of AxB<br>Example: <b>L</b> - 6'x8' | Provide dimensions of AxBxC<br>Example: <b>U</b> - 8'x10'x6' | Provide dimensions of AxB<br>Example: <b>R</b> - 10'x8' | Provide dimensions of AxB<br>Example: <b>T</b> - 14'x6' | Provide dimensions of AxB<br>Example: <b>X</b> - 14'x14' |
|  |  |   |   |  |

#### TYPICAL SECTION MOUNTING



#### NOTE:

Run lengths and configurations not shown are available in 1" increments as standard