# 3G-1RLI-WC

1.5" RECESSED LINEAR
WALL TO CEILING
TUNABLE WHITE & RGBW



Narrow 1.5" aperture with one piece extruded aluminum housing
Seamless wall to ceiling illumination
Proprietary alignment mechanism
Suitable for drywall, wood, and grid ceiling applications
LED system with performance up to 103 lumens per watt
Extruded acrylic lens with optimal performance and glare control
1% dimming standard with several driver options

3GT 3GB

## ORDERING INFORMATION

| | | | |
|---|---|---|---|
| **PROJECT:** | | **TYPE:** | |
| **CATALOG #:** | | **DATE:** | |

| CAT. NO | LED SOURCE | LUMEN OUTPUT | CRI | VOLTAGE |
|---|---|---|---|---|
| **3G-1RLI-WC** | **TW** - TUNABLE WHITE (2700K-6500K)<br>**RGBW** - INFINITE COLOUR [1] (3500K WHITE) | **D250** - LOW OUTPUT (250 LM/FT) [2]<br>**D500** - MEDIUM OUTPUT (500 LM/FT)<br>**D750** - HIGH OUTPUT (750 LM/FT)<br>**D1000** - VERY HIGH OUTPUT (1000 LM/FT) [3]<br>**DC____** - CUSTOM OUTPUT (SPECIFY LM/FT)*<br>*Specify custom lumen outputs in 50lm increments (ie: DC600, DC650, DC700)<br>Custom output cannot exceed DC1000<br>Lumen outputs suitable for white LED source only | **S80** - 83+ CRI<br>**H90** - 93+ CRI [1] | **UNV** - 120/277V |

| DRIVER | FLANGE TYPE (WALL) | FLANGE TYPE (CEILING) | LENS OPTION |
|---|---|---|---|
| **D01** - 0-10V (100-0.1%)<br>**DALI** - DALI (eldoLED, 100-1%)<br>**DMX** - DMX (eldoLED, 100-0%) [1]<br>**DHLT** - LUTRON T SERIES (100-1%) (2 CHANNEL TUNABLE WHITE) | **WXTR** - TRIMLESS (MUD-IN DRYWALL)<br>**WFX** - FLANGELESS | **CXTR** - TRIMLESS (MUD-IN DRYWALL)<br>**CFX** - FLANGELESS<br>**GCX** - GRID CEILING (UNIVERSAL MOUNT)*<br>*Universal mounting brackets used for all grid ceiling types only. See mounting section for details | **FL** - FLUSH |

| OPTIONS | LENGTH (FEET) | |
|---|---|---|
| **EMC** - EMERGENCY CIRCUIT [4]<br>**CP** - CHICAGO PLENUM | **W ____'** x **C ____'** (WALL TO CEILING)*<br>**W ____'** x **C ____'** x **W ____'** (WALL TO CEILING TO WALL)<br>*Available in 1' increments only | |

**1** RGBW LED source available with S80 (83 +CRI) and DMX driver option only. Not available with asymmetric optic or EM options
**2** D250 (250LM/FT) not available in 2' and 3' lengths (Please specify DC400 for 2' and 3' fixture length when outputs lower than 500LM/FT are required)
**3** D1000 (1000LM/FT) not available for H90 (93+ CRI)
**4** EMC (emergency circuit) options available for tunable white LED source only. Not available with RGBW

3GT - Tunable White
3GB - RGBW

JANUARY 2, 2024

**Copyright 2019 3G Lighting** | **www.3glighting.com** | **P:** 905-850-2305 **F:** 905-851-6490 **TF:** 888-448-0440
3G reserves the right to change, without notice, specifications or materials for product improvement.

5 YEAR LIMITED WARRANTY

# 3G-1RLI-WC

1.5" RECESSED LINEAR - WALL TO CEILING
TUNABLE WHITE & RGBW

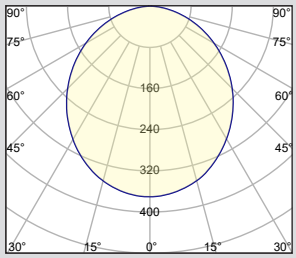
## PERFORMANCE CHART BASED ON 4' LENGTH WITH FLUSH LENS (TUNABLE WHITE AND 83+ CRI)

| COLOR TEMP | DELIVERED LUMENS (LM/FT) | SYSTEM WATTS (W/FT) | EFFICACY (LPW) |
|---|---|---|---|
| 2700K | 250 | 3.0 | 84 |
| | 500 | 6.1 | 81 |
| | 750 | 9.4 | 80 |
| | 1000 | 12.5 | 79 |
| 3500K | 250 | 3.0 | 90 |
| | 500 | 6.1 | 88 |
| | 750 | 9.4 | 85 |
| | 1000 | 12.5 | 83 |
| 6500K | 250 | 3.0 | 102 |
| | 500 | 6.1 | 103 |
| | 750 | 9.4 | 98 |
| | 1000 | 12.5 | 92 |

| EFFICACY (LPW) ADJUSTMENT FACTOR | CRI | Multiplier |
|---|---|---|
| | 93+ | 0.88 |

## PHOTOMETRY BASED ON 4' LENGTH (83+ CRI AND 3500K SOURCE)

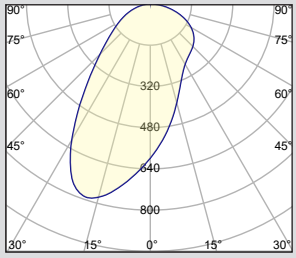
**FL -** FLUSH




**3G-1RLI-TW-L500-S80-FL**

DELIVERED LUMENS: 500LM/FT (2000LM)
SYSTEM WATTS: 6.1W/FT (24.4W)
EFFICACY: 88LPW
CRI: 83+
CCT: 3500K
LENS OPTION: FLUSH

**DASY -** ASYMMETRIC OPTIC




**3G-1RLI-TW-L500-S80-DASY**

DELIVERED LUMENS: 500LM/FT (2000LM)
SYSTEM WATTS: 6.1W/FT (24.4W)
EFFICACY: 84LPW
CRI: 83+
CCT: 3500K
LENS OPTION: ASYMMETRIC

**Copyright 2019 3G Lighting** | **www.3glighting.com** | **P:** 905-850-2305 **F:** 905-851-6490 **TF:** 888-448-0440
3G reserves the right to change, without notice, specifications or materials for product improvement.

5 YEAR LIMITED WARRANTY

# 3G-1RLI-WC

1.5" RECESSED LINEAR - WALL TO CEILING
TUNABLE WHITE & RGBW

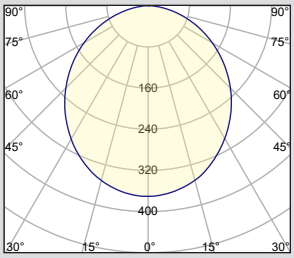
## PERFORMANCE CHART BASED ON 4' LENGTH (RGBW WITH 83+ CRI AND 3500K SOURCE)

| COLOR TEMP | DELIVERED LUMENS (LM/FT) | SYSTEM WATTS (W/FT) | EFFICACY (LPW) |
|---|---|---|---|
| 3500K | 250 | 2.6 | 95 |
| | 500 | 5.4 | 93 |
| | 750 | 8.9 | 85 |
| | 1000 | 13.0 | 77 |

| | RGB | INTENSITY Min - Max (mcd) |
|---|---|---|
| LUMINOUS INTENSITY PER LED | RED | 355 – 805 |
| | GREEN | 710 – 1400 |
| | BLUE | 140 – 355 |

## PHOTOMETRY BASED ON 4' LENGTH (83+ CRI AND 3500K SOURCE)

**FL -** FLUSH




**3G-1RLI-RGBW-L500-S80-FL**

DELIVERED LUMENS: 500LM/FT (2000LM)
SYSTEM WATTS: 5.4W/FT (21.6W)
EFFICACY: 93LPW
CRI: 83+
CCT: 3500K
LENS OPTION: FLUSH

**Copyright 2019 3G Lighting** | **www.3glighting.com** | **P:** 905-850-2305 **F:** 905-851-6490 **TF:** 888-448-0440
3G reserves the right to change, without notice, specifications or materials for product improvement.

5 YEAR LIMITED WARRANTY

# 3G-1RLI-WC

1.5” RECESSED LINEAR - WALL TO CEILING
TUNABLE WHITE & RGBW

## TECHNICAL

### HOUSING

Extruded aluminum housing with narrow 1.5” aperture
Individual units and continuous runs available in 1’ increments. Contact 3G for 1” increments
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

### ELECTRICAL

Luminaires are pre-wired with factory installed quick connects and branch circuit wiring
Multiple driver options available for tunable white LED system
DMX driver option for RGBW system with RDM control and 100-0% dimming range
All drivers are integral and easily accessible through luminaire aperture

### LED SYSTEM FOR TUNABLE WHITE (TW)

Proprietary LED system with color consistency <3 SDCM
2700K-6500K CCT range
Standard 83+CRI. Optional 93+CRI. (R9 value of 56 for 93+CRI)
L90 >60,000 hours
5 Year Warranty

### LED SYSTEM FOR RGBW

Proprietary LED system with color consistency <3 SDCM
White LED available in 35K with 83+ CRI
L80 >72,000 hours
Red (335-805 mcd)
Green (710-1400 mcd)
Blue (140-355 mcd)
5 Year Warranty

### MOUNTING

Housing suspended via 1/4” threaded rod or suspension cables
Trimless fixture designed for use in drywall, mud-in ceiling applications
Flangeless fixture designed for use in wood ceilings

### LISTING

ETL listed and tested to cUL standards. Suitable for dry and damp locations

### 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

**Copyright 2019 3G Lighting | www.3glighting.com | P:** 905-850-2305 **F:** 905-851-6490 **TF:** 888-448-0440
3G reserves the right to change, without notice, specifications or materials for product improvement.

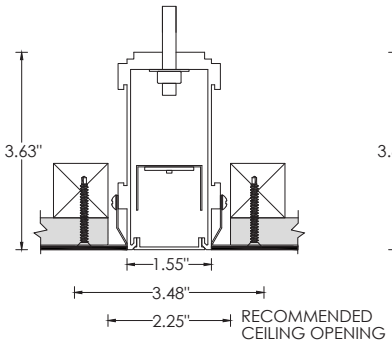
5 YEAR LIMITED WARRANTY

# 3G-1RLI-WC

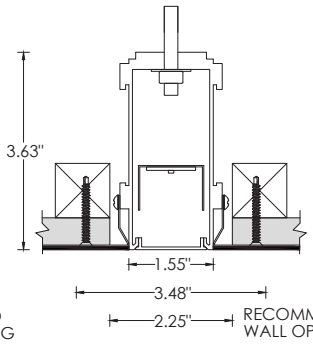
1.5” RECESSED LINEAR - WALL TO CEILING
TUNABLE WHITE & RGBW

## DRAWINGS AND DIMENSIONS HARD CEILING

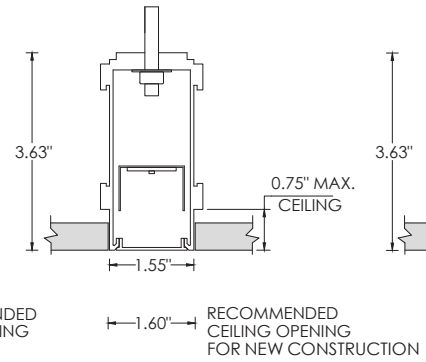
**CXTR -** TRIMLESS CEILING



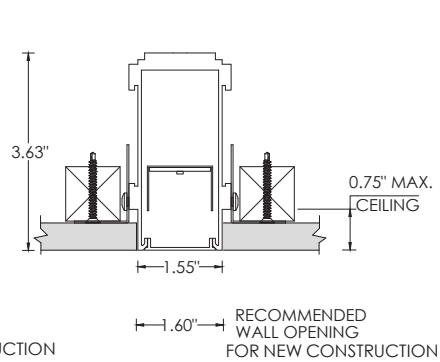

**WXTR -** TRIMLESS WALL

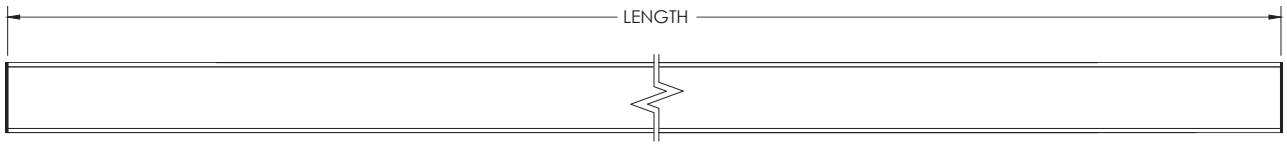



**CFX -** FLANGELESS CEILING
(NEW CONSTRUCTION)



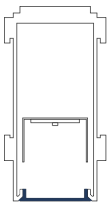

**WFX -** FLANGELESS WALL
(NEW CONSTRUCTION)



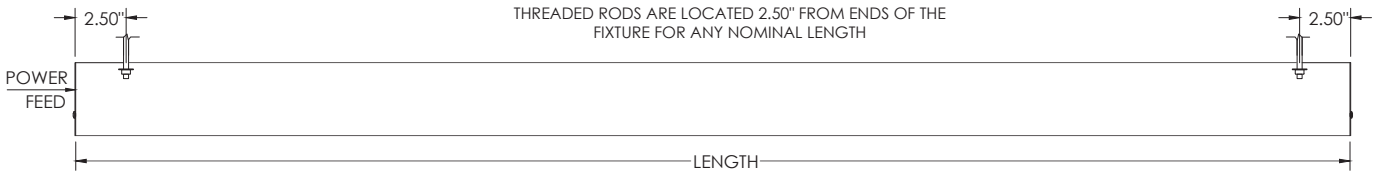




### LENS OPTION

**FL -** FLUSH



## MOUNTING DETAILS HARD CEILING




**Copyright 2019 3G Lighting** | **www.3glighting.com** | **P:** 905-850-2305 **F:** 905-851-6490 **TF:** 888-448-0440
3G reserves the right to change, without notice, specifications or materials for product improvement.

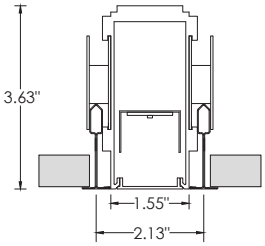
5 YEAR LIMITED WARRANTY

# 3G-1RLI-WC

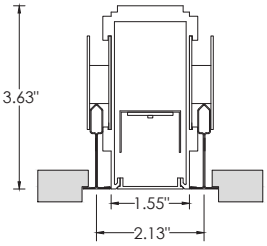
1.5" RECESSED LINEAR - WALL TO CEILING
TUNABLE WHITE & RGBW

## DRAWINGS AND DIMENSIONS GRID CEILING

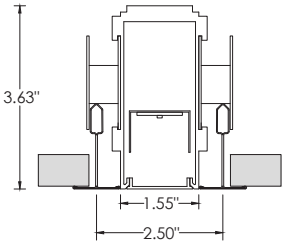
**9L -** 9/16" LAYIN



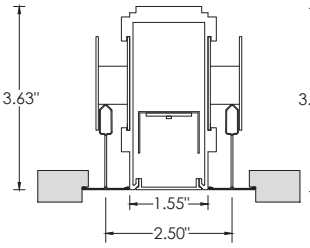

**9TG -** 9/16" TEGULAR



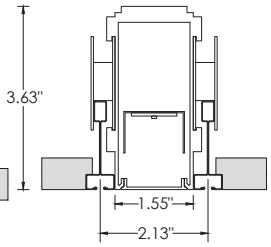

**15L -** 15/16" LAYIN

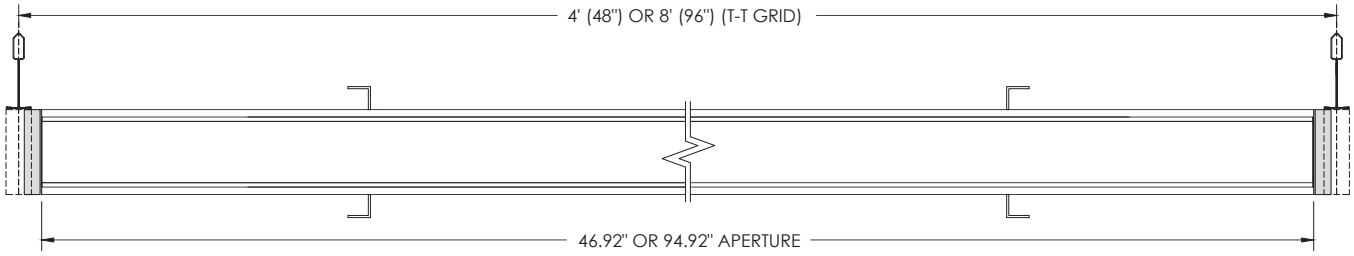



**15TG -** 15/16" TEGULAR

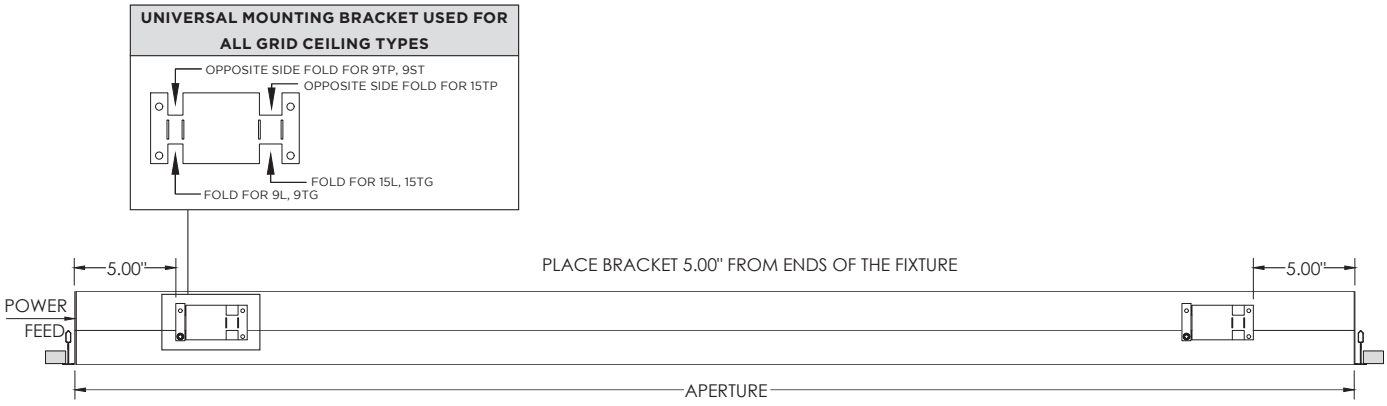



**9ST -** 9/16" SLOT TEE TEGULAR




## MOUNTING DETAILS GRID CEILING




**Copyright 2019 3G Lighting | www.3glighting.com | P:** 905-850-2305 **F:** 905-851-6490 **TF:** 888-448-0440
3G reserves the right to change, without notice, specifications or materials for product improvement.

5 YEAR LIMITED WARRANTY

Declare® is a product transparency program administered by the International Living Future Institute (ILFI), providing standardized disclosure of product ingredients, manufacturing location, service life, end-of-life pathways, and Living Building Challenge compliance status.

## PRODUCT FAMILY COVERAGE — LINEAR SYSTEMS

Linear luminaires for suspended, surface, and recessed applications, including perimeter conditions, wall grazing, acoustic lighting, acoustic integration, low-glare multicell runs, and linear systems with integrated downlight modules. Available with flush and drop lens options, multiple distributions including batwing and asymmetric, and a range of lengths and output levels.

## LBC RED LIST FREE

This product family carries a Declare® designation of LBC Red List Free, the highest designation within the Declare program. Products with this designation contain no intentionally added Red List chemicals above applicable Declare reporting thresholds and have been evaluated against the Living Building Challenge Red List.

## BUILDING CERTIFICATION PROGRAMS

Material transparency documentation is increasingly requested as part of building certification programs and owner standards. Declare labels may be used as supporting documentation for project teams pursuing:

- Living Building Challenge (LBC)
- WELL Building Standard™ v1
- WELL Building Standard™ v2
- LEED®
- Other material disclosure and material health initiatives

Project certification requirements are determined at the building level and should be evaluated by the project team.

Declare℠

### Linear Systems
### 3G Lighting

**Final Assembly:** Woodbridge, Ontario, Canada
**Life Expectancy:** 7+ Year(s)
**End of Life Options:** Recyclable (95%), Landfill (5%)

**Ingredients:**

Aluminum UNS A96063; Steel, cold roll UNS G10080; 2-Propenoic acid, 2-methyl-, methyl ester, polymer with ethyl 2-propenoate; Copper UNS C11000; 2-Propenoic acid, butyl ester, polymer with ethenylbenzene and 2-propenenitrile; Carbonic dichloride, polymer with 4,4′-(1-methylethylidene)bis[phenol]; Polyethylene Terephthalate; Pulp, cellulose; Aluminum diethylphosphinate; Benzene, ethenyl-, polymer with 1,3-butadiene, hydrogenated; Distillates (petroleum), hydrotreated heavy naphthenic; Polypropylene; Paper; Tin, Organic; Starch, base-hydrolyzed, borated; 2,4,8,10-Tetraoxa-3,9-diphosphaspiro[5.5]undecane, 3,9-bis[2,4-bis(1,1-dimethylethyl)phenoxy]-; Vinyl acetate; Phosphorus; Iron; Zinc; 1,3-Propanediol, 2-ethyl-2-(hydroxymethyl)-

**Living Building Challenge Criteria:** Compliant

**I-13 Red List:**
■ LBC Red List Free
☐ LBC Red List Approved
☐ Declared

% Disclosed: 100% at 100ppm
VOC Content: Not Applicable

**I-10 Interior Performance:** Not Applicable
**I-14 Responsible Sourcing:** Not Applicable

XXX-XXXX
EXP. 01 JUN 2027
Original Issue Date: 2026

MANUFACTURER RESPONSIBLE FOR LABEL ACCURACY
INTERNATIONAL LIVING FUTURE INSTITUTE™ living-future.org/declare