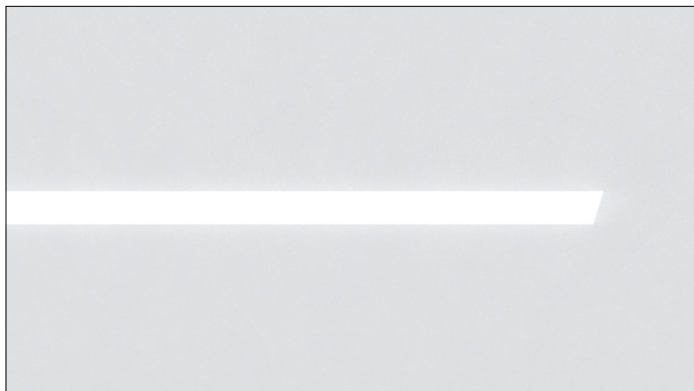# 3G LIGHTING

3G-4RLI
3.5" RECESSED LINEAR

3.5" aperture with one piece extruded aluminum housing
Lumen output up to 1500 lumens per foot
LED system with performance up to 151 lumens per watt
Individual or continuous runs available in multiple run configurations
Suitable for drywall, wood, grid ceiling, and other architectural ceilings
Extruded acrylic lens available in flush, 1" and 2" drop lens options
Asymmetric optics available
1% dimming standard with several driver options

DLC LISTED

PROJECT:		TYPE:	
CATALOG#:		DATE:	QTY:

CAT. NO	LUMEN OUTPUT	CRI	COLOR TEMP	VOLTAGE
3G-4RLI	**D250** - 250 LM/FT [1] **D500** - 500 LM/FT **D750** - 750 LM/FT **D1000** - 1000 LM/FT **DC___** - CUSTOM OUTPUT (SPECIFY LM/FT) * *Specify custom lumen outputs in 50lm increments (ie: DC600, DC650, DC700) Custom output cannot exceed D1500 DLC minimum lumen output is 500 lm/ft	**S80** - 80+ CRI [2] **H90** - 90+ CRI [3] *DLC listing available with 80CRI	**27K** - 2700K **30K** - 3000K **35K** - 3500K **40K** - 4000K *DLC listing available with 35K	**UNV** - 120/277V **347** - 347V [4]

DRIVER	FLANGE TYPE	LENS OPTION	OPTIONS
DIM - 0-10V (100-1%) **D01** - 0-10V (100-0.1%) **DALI** - DALI (100-1%) [5] **DHL2** - LUTRON HI-LUME LDE1 (1% ECOSYSTEM) **DMX** - DMX (100-0%)	**WT** - WHITE TRIM FLANGE **XTR** - TRIMLESS (MUD-IN DRYWALL) **FX** - FLANGELESS **GCX** - GRID CEILING * (UNIVERSAL MOUNT) **4TZ** - 4" TECH ZONE *Universal mounting brackets used for all grid ceiling types only. See mounting section for details	**FL** - FLUSH LENS **DD1** - 1" DROP LENS [6] **DD2** - 2" DROP LENS [6] **DWSO** - WIDESPREAD LENS (BATWING) **DASY** - ASYMMETRIC LENS	**EMB** - EMERGENCY BATTERY * (INTEGRAL) **EMC** - EMERGENCY CIRCUIT **MC2** - MULTIPLE CIRCUITS (2 ZONES) **MC3** - MULTIPLE CIRCUITS (3 ZONES) **CP** - CHICAGO PLENUM *Minimum 4' section

RUN TYPE

S - ____' (STRAIGHT) *
L - ____'X ____' (L-SHAPE)
U - ____'X ____'X ____' (U-SHAPE)
R - ____'X ____' (RECTANGLE/SQUARE)
T - ____'X ____' (T-SHAPE)
X - ____'X ____' (X-SHAPE)
CUS - ____ (CUSTOM LAYOUT - PROVIDE DRAWING)

*Individual units available from 2' to 8'
 Continuous runs available in 1" increments as standard

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1 D250 (250LM/FT) not available in 2' length. Specify minimum DC400

2 S80 (80+ CRI) not available with 27K

3 H90 (90+ CRI) available up to 1250 lm/ft

4 347 available in "DIM" 0-10V only (100-1%). Available up to 1250 lm/ft

5 DALI-2 (Type 6) provided as standard. Please consult factory for DALI (Type 8) options
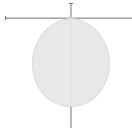
6 DD1 (1" drop lens) and DD2 (2" drop lens) available with straight run type only
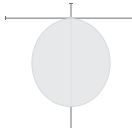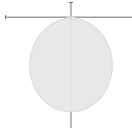
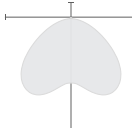**DLC LISTED** DLC listing starting at 500 lumens per foot (D500)
Available with 80CRI and 3500K

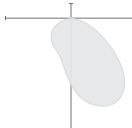DELIVERED LUMENS PER FOOT BASED ON 80+ CRI 3500K LED SOURCE

LENS OPTION

FLUSH	DELIVERED LUMENS	SYSTEM WATTS	EFFICACY (LPW)
	250	1.7	145
	500	3.4	145
	750	5.2	143
	1000	7.2	140

1" DROP	DELIVERED LUMENS	SYSTEM WATTS	EFFICACY (LPW)
	250	1.7	151
	500	3.3	151
	750	5.1	148
	1000	6.9	145

2" DROP	DELIVERED LUMENS	SYSTEM WATTS	EFFICACY (LPW)
	250	1.7	146
	500	3.4	146
	750	5.3	143
	1000	7.2	139

WIDESPREAD	DELIVERED LUMENS	SYSTEM WATTS	EFFICACY (LPW)
	250	1.7	144
	500	3.5	144
	750	5.3	141
	1000	7.3	138

ASYMMETRIC	DELIVERED LUMENS	SYSTEM WATTS	EFFICACY (LPW)
	250	1.7	144
	500	3.5	144
	750	5.3	141
	1000	7.3	138

LUMEN OUTPUT MULTIPLIERS

COLOR TEMP	80+ CRI	90+ CRI
2700K	N/A	0.78
3000K	0.97	0.83
3500K	1.00	0.86
4000K	1.02	0.88

HOUSING

Extruded aluminum housing with 3.5" 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

Lens options include flush, 1" and 2" drops with illuminated end caps for all drop lenses

High performance asymmetric optics available

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

DLC certified. Consult factory for details

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

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
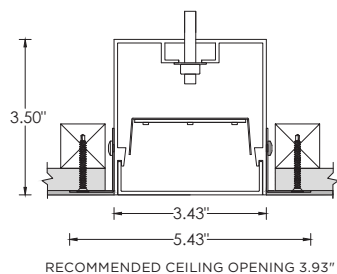
L90 >60,000 hours

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

Suitable for 4" TechZone and various grid ceiling applications (see mounting details)
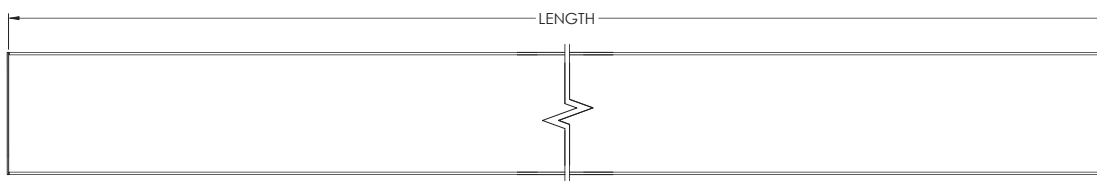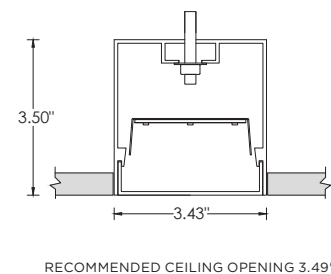
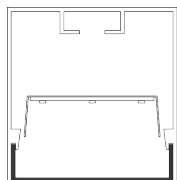Fixture weight: +/- 3 lb/ft

HARD CEILING

WT - TRIM

3.50"
3.43"
4.23"
RECOMMENDED CEILING OPENING 3.75"

XTR - TRIMLESS (DRYWALL)

3.50"
3.43"
5.43"
RECOMMENDED CEILING OPENING 3.93"
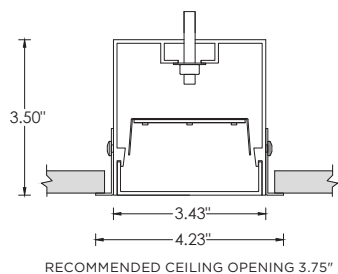
FX - FLANGELESS (NEW CONSTRUCTION)

3.50"
3.43"
RECOMMENDED CEILING OPENING 3.49"

LENGTH

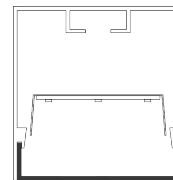## LENS OPTION
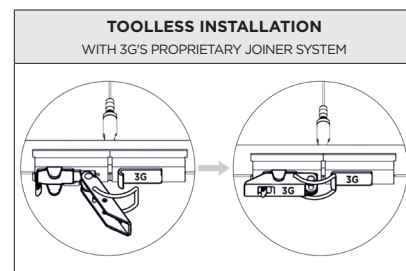
FL - FLUSH

DD1 - 1" DROP
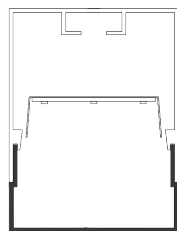
DD2 - 2" DROP
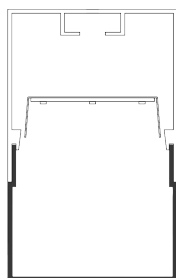
DWSO - WIDESPREAD
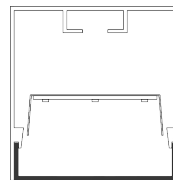
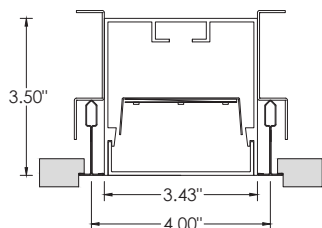**DASY -** ASYMMETRIC

HARD CEILING : MOUNTING DETAILS

TOOLLESS INSTALLATION
WITH 3G'S PROPRIETARY JOINER SYSTEM

2.50"
2.50"

THREADED RODS ARE LOCATED 2.50" FROM ENDS OF THE
FIXTURE FOR ANY NOMINAL LENGTH

POWER
FEED

LENGTH
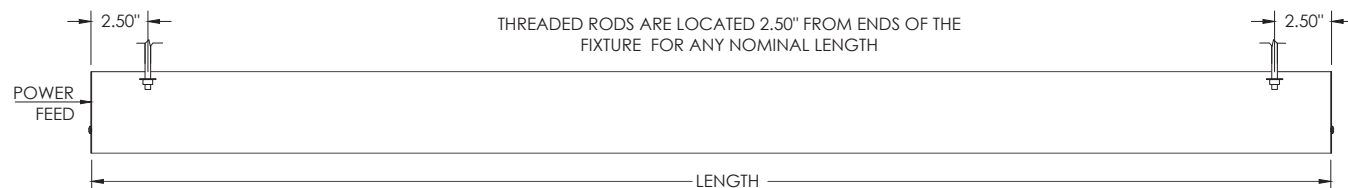
GRID CEILING

9L - 9/16" LAYIN
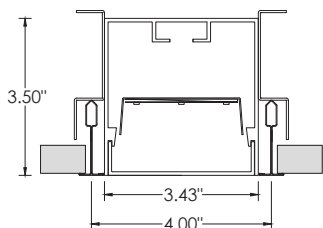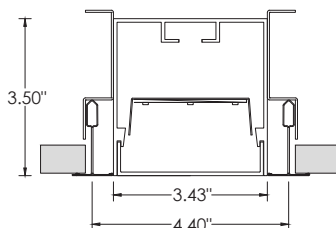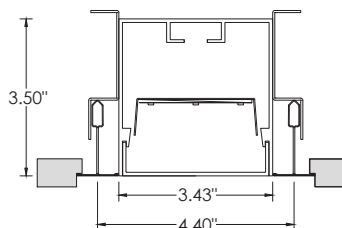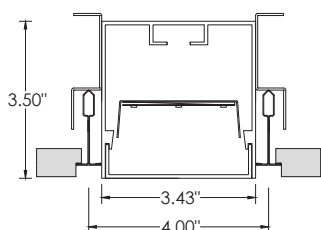
3.50"
3.43"
4.00"

9TG - 9/16" TEGULAR

3.50"
3.43"
4.00"

15L - 15/16" LAYIN

3.50"
3.43"
4.40"

15TG - 15/16" TEGULAR

3.50"
3.43"
4.40"

9TP - 9/16" TEGULAR

3.50"
3.43"
4.00"

15TP - 15/16" TEGULAR

3.50"
3.43"
4.40"

9ST - 9/16" SLOT TEE TEGULAR

3.50"
3.43"
4.00"

4TZ - 4" TECH ZONE

3.50"
3.43"
4.00"
(9/16" T ONLY)

4' (48") NOMINAL LENGTH

46.92" APERTURE (NOMINAL LENGTH -1.08")

GRID CEILING : MOUNTING DETAILS

UNIVERSAL MOUNTING BRACKET USED FOR ALL GRID CEILING TYPES

9ST , 4TZ
(SQUARES)

9L, 9TG
15L, 15TG

9TP, 15TP

TOOLLESS INSTALLATION
WITH 3G'S PROPRIETARY JOINER SYSTEM

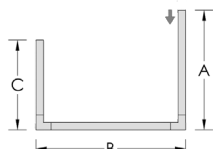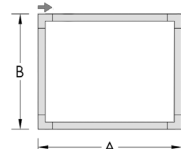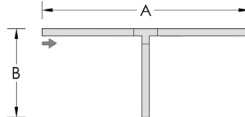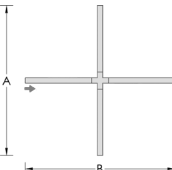PLACE BRACKET 7.50" FROM ENDS OF THE FIXTURE

7.50"

POWER
FEED

7.50"

APERTURE
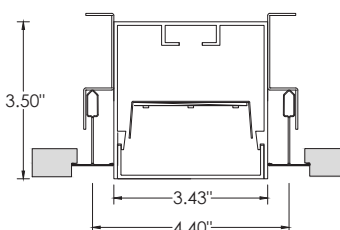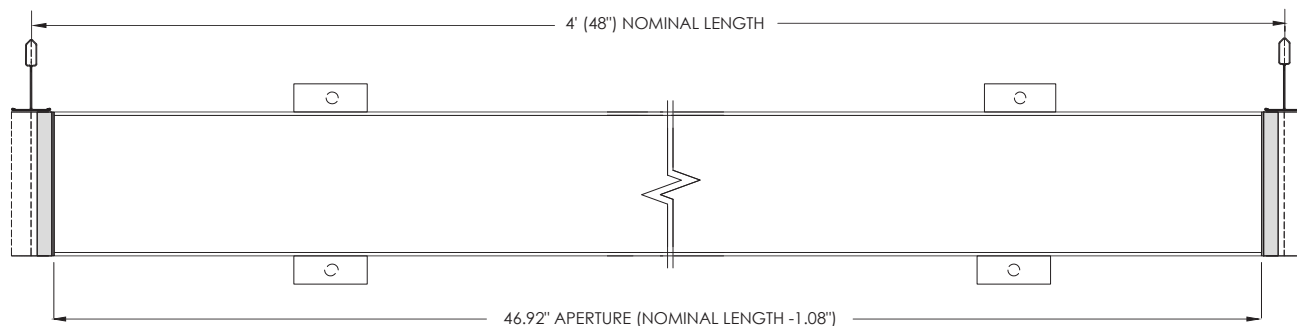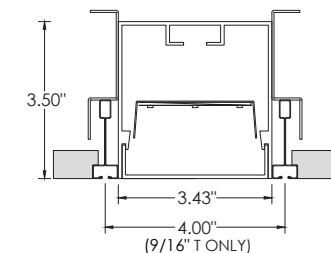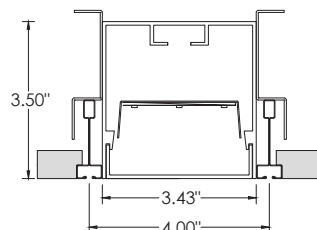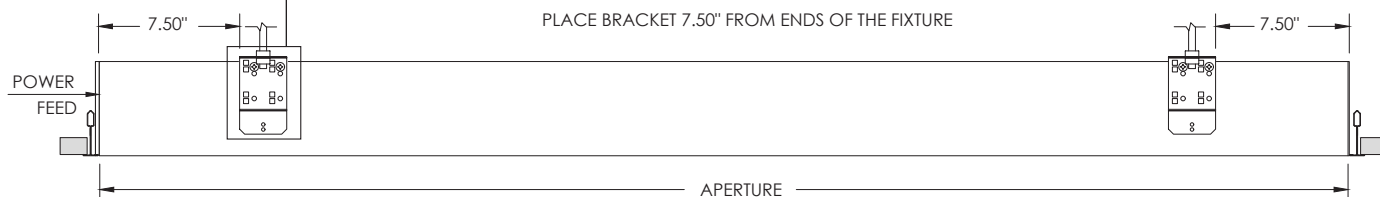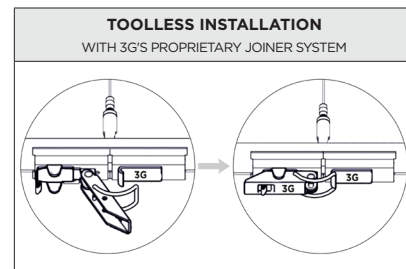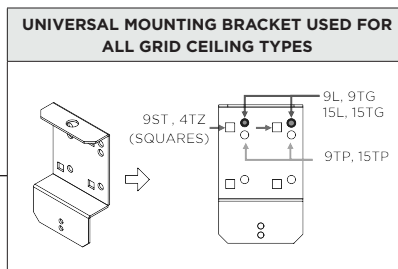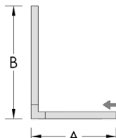
PATTERNS

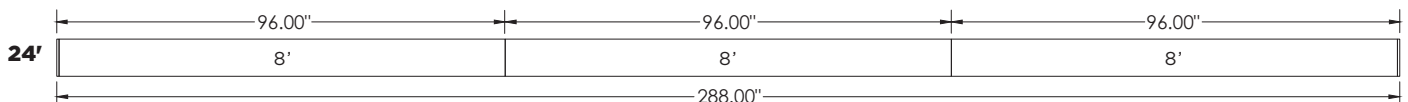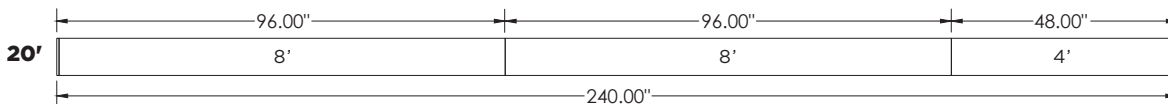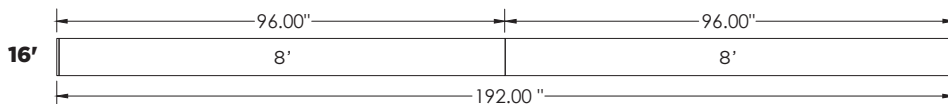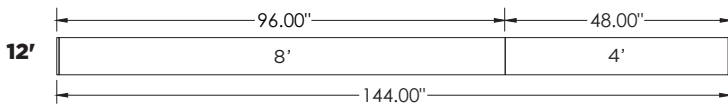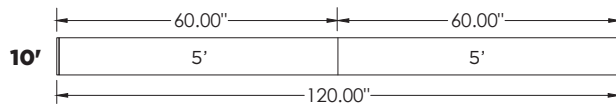Specify pattern shape and overall dimensions as shown below

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
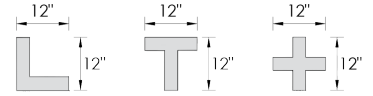
L-SHAPE	U-SHAPE	RECTANGLE/SQUARE	T-SHAPE	X-SHAPE
Provide dimensions of AxB Example: **L** - 6'x8'	Provide dimensions of AxBxC Example: **U** - 8'x10'x6"	Provide dimensions of AxB Example: **R** - 10'x8'	Provide dimensions of AxB Example: **T** - 14'x6'	Provide dimensions of AxB Example: **X** - 14'x14'

TYPICAL SECTION MOUNTING

10'

60.00"	60.00"
5'	5'

120.00"

12'

96.00"	48.00"
8'	4'

144.00"

16'

96.00"	96.00"
8'	8'

192.00"

20'

96.00"	96.00"	48.00"
8'	8'	4'

240.00"

24'

96.00"	96.00"	96.00"
8'	8'	8'

288.00"

NOTE:

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