

3G LIGHTING

3G-4RLI

3.5" RECESSED LINEAR
TUNABLE WHITE & RGBW



3.5" aperture with one piece extruded aluminum housing
Individual or continuous runs in multiple run configurations
Suitable for drywall, grid, wood, and various architectural ceilings
LED system with performance up to 147 lumens per watt
Extruded acrylic lens available in flush, 1" and 2" drop lens options
Asymmetric optics available
1% dimming standard with several integral driver options



ORDERING INFORMATION

CAT. NO	LED SOURCE	LUMEN OUTPUT	CRI	VOLTAGE
3G-4RLI	TW - TUNABLE WHITE (2700K-6500K)	L250 - LOW OUTPUT (250 LM/FT) ² L500 - MEDIUM OUTPUT (500 LM/FT) L750 - HIGH OUTPUT (750 LM/FT) L1000 - VERY HIGH OUTPUT (1000 LM/FT) ³ LC___ - CUSTOM OUTPUT (SPECIFY LM/FT)*	S80 - 83+ CRI H90 - 93+ CRI ¹	UNV - 120/277V
	RGBW - INFINITE COLOUR ¹ (3500K WHITE)			

*Specify custom lumen outputs in 50lm increments (ie: LC600, LC650, LC700)
Custom output cannot exceed LC1000
Lumen outputs suitable for white LED source only

DRIVER	FLANGE TYPE	LENS OPTION	OPTIONS
DO1 - 0-10V (100-0.1%) DALI - DALI (eidoLED, 100-1%) DMX - DMX (eidoLED, 100-0%) ¹ DHLT - LUTRON T SERIES (100-1%) (2 CHANNEL TUNABLE WHITE)	WT - WHITE TRIM XTR - TRIMLESS FX - FLANGELESS GCX - GRID CEILING (UNIVERSAL MOUNT)*	FL - FLUSH DD1 - 1" DROP LENS DD2 - 2" DROP LENS DASY - ASYMMETRIC OPTIC ¹	EMC - EMERGENCY CIRCUIT ⁴ CP - CHICAGO PLENUM

*Grid ceiling fixtures ship with universal mounting brackets suitable for all ceiling types. See mounting section for details

LENGTH (FEET)
S - ___' (STRAIGHT RUN)* 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'
2' not available for grid ceiling version
Continuous runs 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 L250 (250LM/FT) not available in 2' and 3' lengths. Specify LC400 for 2' and 3' fixture lengths when outputs lower than 500LM/FT are required
³ L1000 (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

JUNE 7, 2021





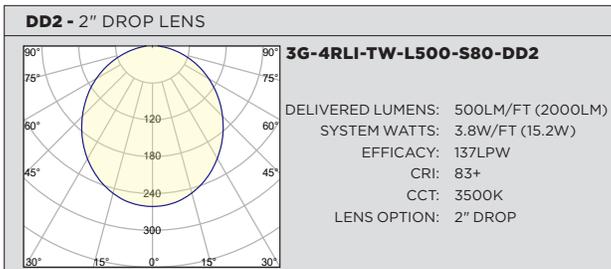
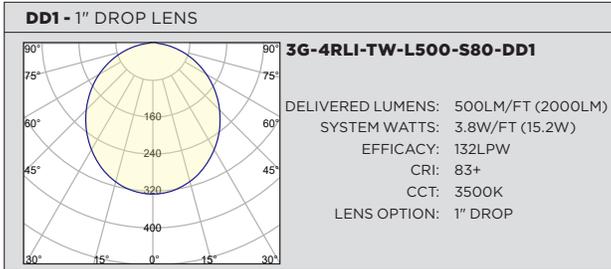
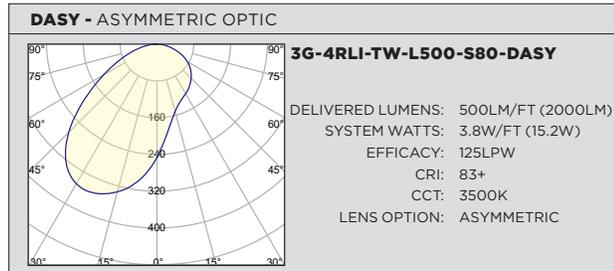
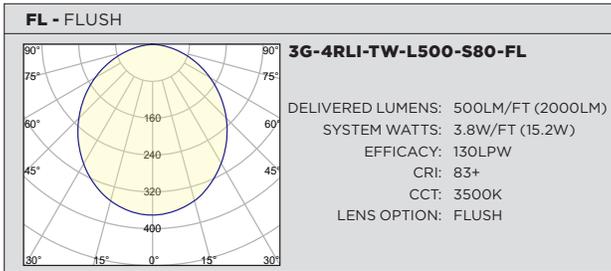
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3.5" RECESSED LINEAR
TUNABLE WHITE & RGBW

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	1.9	126
	500	3.8	121
	750	5.8	119
	1000	8.0	118
3500K	250	1.9	135
	500	3.8	130
	750	5.8	127
	1000	8.0	123
6500K	250	1.9	147
	500	3.8	145
	750	5.8	138
	1000	8.0	132
EFFICACY (LPW) ADJUSTMENT FACTOR	CRI	Multiplier	
	93+	0.88	

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





3G-4RLI

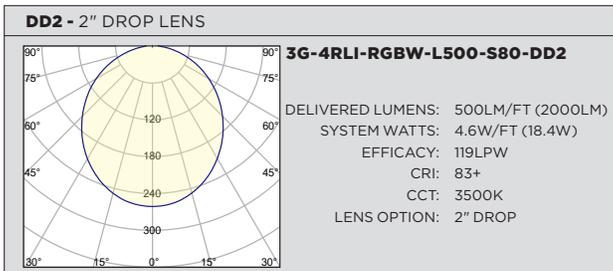
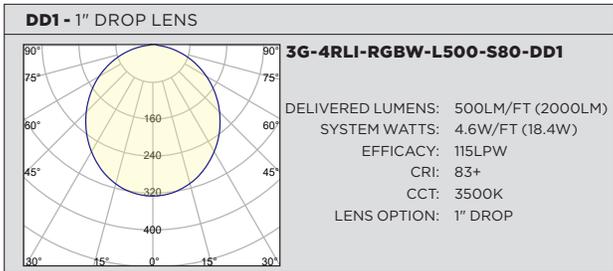
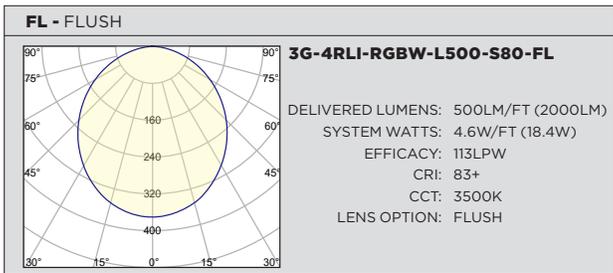
3.5" RECESSED LINEAR
TUNABLE WHITE & RGBW

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

COLOR TEMP	DELIVERED LUMENS (LM/FT)	SYSTEM WATTS (W/FT)	EFFICACY (LPW)
3500K	250	2.2	119
	500	4.6	113
	750	7.8	96
	1000	11.3	89

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

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



	Project 21-12877-3 Date 6/25/2021 RGB/W Saturated Color Submitted By 16500, INC	Catalog Number 3G-4RLI RGBW L1000 H90 UNV DMX WT FL S-2' Notes	Type
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3G-4RLI

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TECHNICAL

HOUSING

Extruded aluminum housing with 3.5" aperture
 Individual units and continuous runs available in 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
 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

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 (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 lbs/ft

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

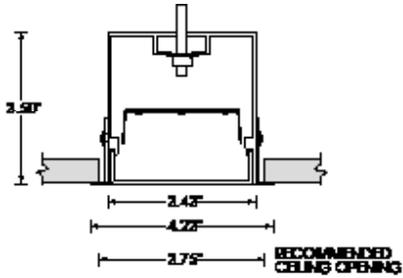
3G
LIGHTING

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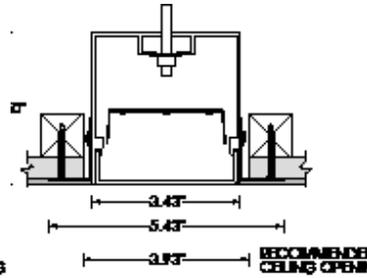
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DRAWINGS AND DIMENSIONS

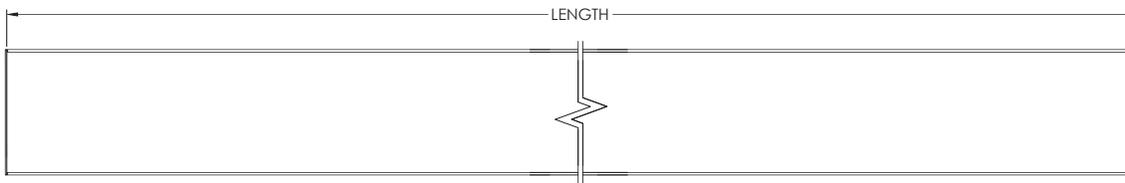
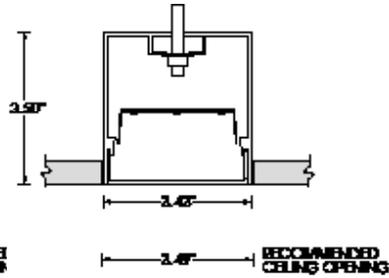
WT - TRIM



XTR - TRIMLESS



FX - FLANGELESS



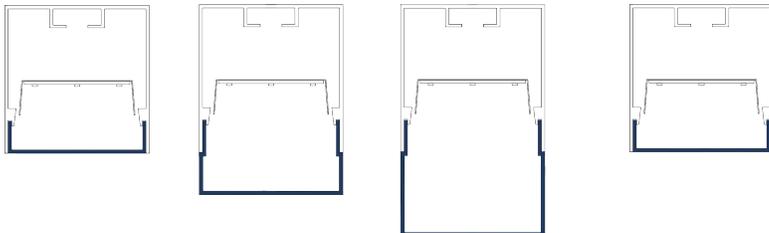
LENS OPTION

FL - FLUSH

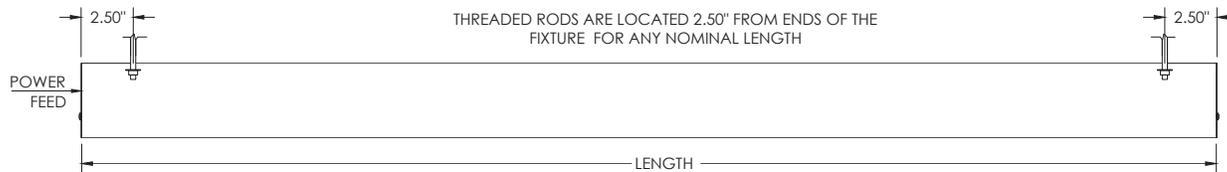
DD1 - 1" DROP

DD2 - 2" DROP

DASY - ASYMMETRIC



MOUNTING DETAILS HARD CEILING



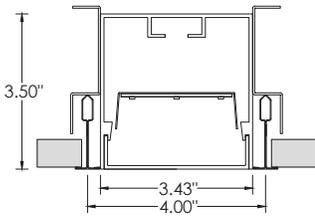
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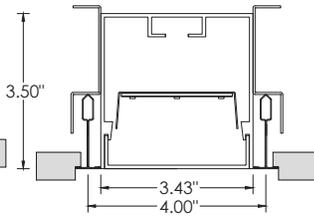
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DRAWINGS AND DIMENSIONS GRID CEILING

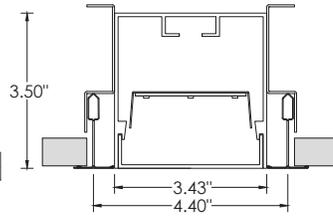
9L - 9/16" LAYIN



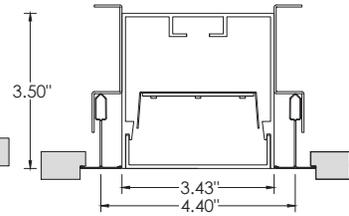
9TG - 9/16" TEGULAR



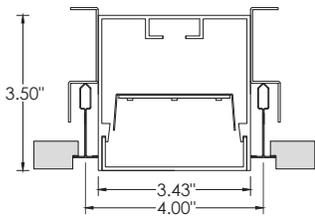
15L - 15/16" LAYIN



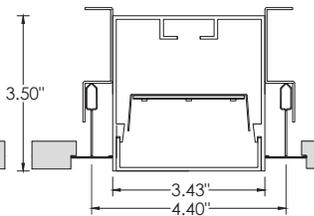
15TG - 15/16" TEGULAR



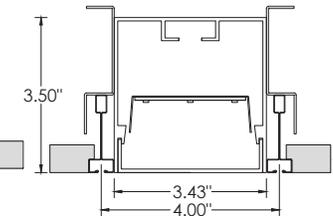
9TP - 9/16" TEGULAR



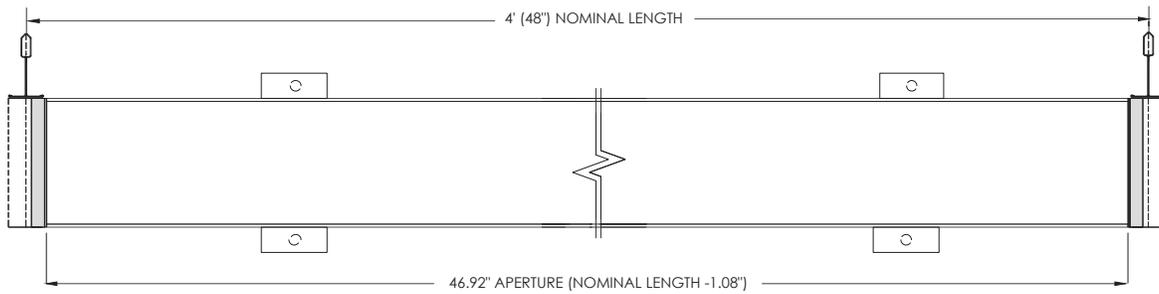
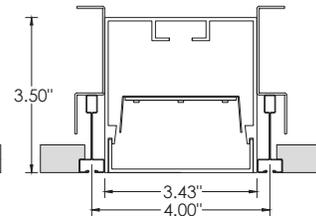
15TP - 15/16" TEGULAR



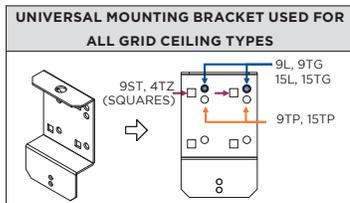
9ST - 9/16" SLOT TEE TEGULAR



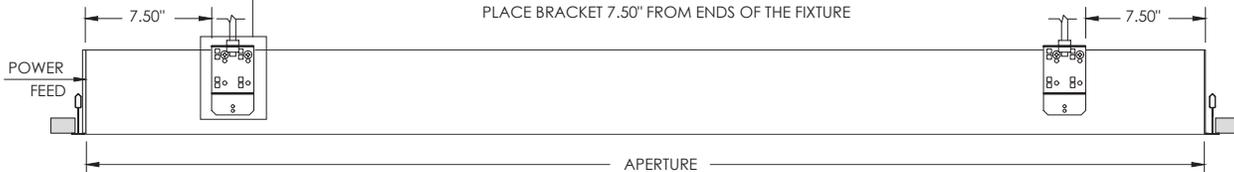
4TZ - 4" TECH ZONE



MOUNTING DETAILS GRID CEILING



PLACE BRACKET 7.50" FROM ENDS OF THE FIXTURE



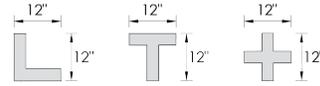


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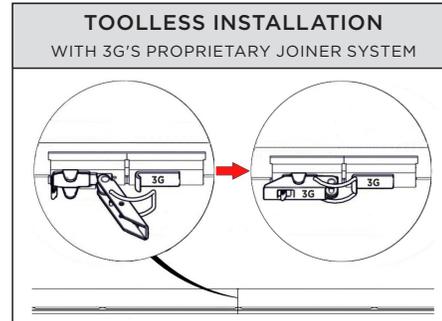
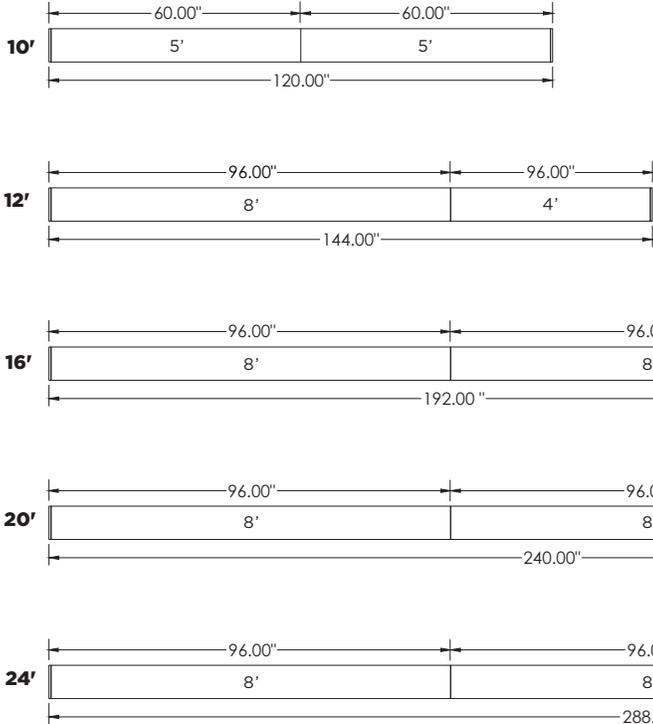
PATTERNS

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 (AVAILABLE IN 1' INCREMENTS AS STANDARD)



NOTE:

Run lengths and configurations not shown are available in 1' increments as standard. Please contact 3G for 1" increments