

3G LIGHTING

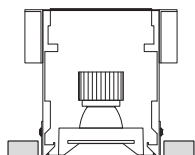
3G-48RDSL-S

4.8" RECESSED DOWNLIGHT SLOT
3" SQUARE DOWNLIGHTS

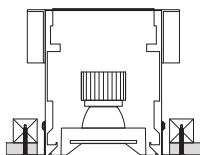
4.8" Recessed Downlight Slot designed for continuous runs
Machined aluminum faceplate with square, trimless downlight integration
3" square adjustable or 3" square fixed downlight option
Standard 95+ CRI LED system with performance up to 133 LPW
Delivered lumen range up to 3000lm at 95+ CRI
10° to 90° beam angle options suitable for various applications
Companion to 3G-DL33S downlight and cylinder families



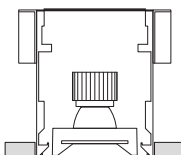
WT - TRIM



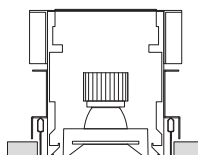
XTR - TRIMLESS



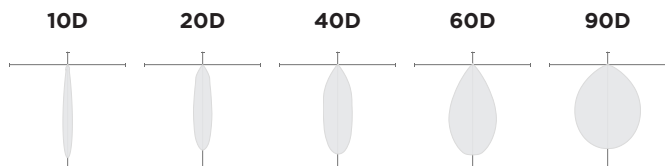
FX - FLANGELESS



GCX - GRID CEILING



OPTICS



PERFORMANCE

LUMEN OUTPUT	DELIVERED LUMENS	SYSTEM WATTS	EFFICACY (LPW)
1000	1000	9.3	114
1500	1500	13.6	112
2000	2000	18.4	109
2500	2500	23.9	104
3000	3000	29.9	100

BASED ON FIXED DOWNLIGHT OPTION
WITH 95+ CRI, 35K, 40D OPTIC AND SOFTENING LENS
Lumen output and actual wattage may vary +/- 5%

PATTERNS

Specify pattern shape and overall dimensions as shown below. Patterns are connected with 12"x12" mitered corner sections (Downlights not available). Please consult factory for custom patterns and shapes not shown below.

L-SHAPE	U-SHAPE	RECTANGLE/SQUARE
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'

PROJECT:		TYPE:	
CATALOG#:		DATE:	QTY:

CAT. NO	DOWNLIGHT TYPE	LUMEN OUTPUT (DELIVERED)	CRI
3G-48RDSL-S	33SF - 3" SQUARE FIXED 33SA - 3" SQUARE ADJUSTABLE 33SA (adjustable) option available up to 1500lm	10 - 1000 LUMENS 15 - 1500 LUMENS 20 - 2000 LUMENS 25 - 2500 LUMENS 30 - 3000 LUMENS All lumen outputs are delivered lumens at 95+ CRI	H95 - 95+ CRI

COLOR TEMP	BEAM ANGLE	VOLTAGE	DRIVER
27K - 2700K 30K - 3000K 35K - 3500K 40K - 4000K	10D - 10° ¹ 20D - 20° ¹ 40D - 40° 60D - 60° 90D - 90° * *90D optic supplied with lens Not available with other lens options Not available with 33RA (adjustable)	UNV - 120/277V 120 - 120V 347 - 347V ²	DIM - 0-10V (100-1%) LE - PHASE DIM ³ (TRIAC/ELV, 100-1%) D01 - 0-10V (100-0.1%) DALI - DALI (100-1%) ⁴ DHL2 - LUTRON HI-LUME (1% ECOSYSTEM) DMX - DMX (100-0%)

FLANGE TYPE	HOUSING AND FACEPLATE	DOWNLIGHT INSERT	OPTIONS
WT - WHITE TRIM (STANDARD) BT - BLACK TRIM XTR - TRIMLESS (MUD-IN DRYWALL) FX - FLANGELESS GCX - GRID CEILING * (UNIVERSAL MOUNT) *Universal mounting brackets used for grid ceiling types only. See mounting details	BK - BLACK (STANDARD) WH - WHITE	BI - BLACK WI - WHITE SI - SILVER	SF - SOFTENING LENS * (SUPPLIED STANDARD) LS - LINEAR SPREAD LENS SB - SANDBLASTED LENS 2C - 2 CIRCUIT 3C - 3 CIRCUIT CP - CHICAGO PLENUM EMR - EMERGENCY BATTERY ⁵ (REMOTE) *Softening lens not provided with 90D optic Maximum 1 optical accessory

RUN TYPE	DOWNLIGHT SPACING
S - ____' (STRAIGHT) L - ____'X ____' (L-SHAPE) U - ____'X ____'X ____' (U-SHAPE) R - ____'X ____' (RECTANGLE/SQUARE) U-Shape and R-Rectangle/Square not available with grid ceiling applications Continuous runs available in 6" increments	12 - 12" ON CENTER 18 - 18" ON CENTER 24 - 24" ON CENTER 36 - 36" ON CENTER 48 - 48" ON CENTER CUS(xx) - CUSTOM SPACING * *Specify number of downlights (XX)

- ¹ 10D and 20D reflector available up to 2000lm
² 347 available in "DIM" 0-10V only (100-1%)
³ Phase dimming options available in 120V only
⁴ DALI-2 (Type 6) provided as standard
⁵ Supplied with enclosure with Emergency Battery and driver. Installed remotely by others. Not accessible through fixture aperture

PERFORMANCE

3" SQUARE FIXED DOWNLIGHT

LUMEN OUTPUT	DELIVERED LUMENS	SYSTEM WATTS	EFFICACY (LPW)
1000	1000	9.3	114
1500	1500	13.6	112
2000	2000	18.4	109
2500	2500	23.9	104
3000	3000	29.9	100

BASED ON 95+ CRI, 3500K, 40D OPTIC WITH SOFTENING LENS
Lumen output and actual wattage may vary +/- 5%

3" SQUARE ADJUSTABLE DOWNLIGHT

LUMEN OUTPUT	DELIVERED LUMENS	SYSTEM WATTS	EFFICACY (LPW)
1000	1000	9.6	104
1500	1500	15.6	96

BASED ON 95+ CRI, 3500K, 40D OPTIC WITH SOFTENING LENS
Lumen output and actual wattage may vary +/- 5%

MULTIPLIERS

BEAM ANGLE	
10D	0.90
20D	1.17
40D	1.00
60D	0.97
90D	0.85

COLOR TEMP	
2700K	0.98
3000K	1.00
3500K	1.00
4000K	1.02

BEAM ANGLE	
10D	0.93
20D	1.25
40D	1.00
60D	0.98

COLOR TEMP	
2700K	0.98
3000K	1.00
3500K	1.00
4000K	1.02

HOUSING

Housing constructed in extruded aluminum and cold rolled steel
Designed for continuous runs in various configurations
Maximum ceiling thickness of 1.75". Consult factory for modifications
Machined aluminum faceplates with trimless downlight integration
Standard matte black powder coated housing and faceplate finish
Trim flange with power coated finish and 0.400" overlap
Trimless model features a perforated galvanized mudding flange

DOWNLIGHT INSERT

Cast aluminum beveled insert with matte powder coated finish
3" aperture with regressed LED source for enhanced glare control

ADJUSTABILITY

Adjustable downlight option with 40 degree tilt along length of channel and 25 degree tilt across the width
Proprietary hot aiming mechanism with sliding center beam optimization and 360° rotation

OPTICS

Proprietary anodized, aluminum reflectors
Beam angle available in 10°, 20°, 40°, 60° and 90°
Reflectors are field replaceable (10° reflector not interchangeable)
Softening lens supplied standard

LED SYSTEM

Standard 95+ CRI
Color consistency <2 SDCM
Available in 27K, 30K, 35K, and 40K
L90 > 50,000 hours

ELECTRICAL

Standard 0-10V, constant current drivers
100-1% dimming range and > 0.9 power factor
Standard 120/277V universal voltage with several driver options
120V Forward Phase/Reverse Phase driver option (100-1%)
Integral drivers are easily accessible through channel aperture

EMERGENCY

Title 24 Certified. 7W output for 90 minutes
800lm at 95+ CRI (fixed DL) and 765lm at 95+ CRI (adjustable DL)
Remote emergency battery (not accessible through fixture aperture)
Maximum remote mounting distance:
3000lm or below - 50ft (12AWG) or 25ft (14AWG)
Caution: Emergency Battery utilizes more than one power source and servicing should be performed by qualified personnel

MOUNTING

New construction housing suspended via 1/4" threaded rod or suspension cables (by others)
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 various grid ceiling applications (see mounting details)

LISTING

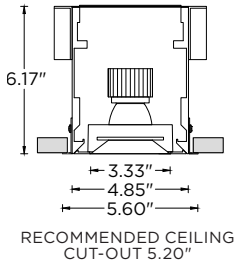
ETL listed and conforms to UL1598 standard
Certified to CSA22.2 No.250.0.
JA8 certified
Rated for dry or damp locations

WARRANTY

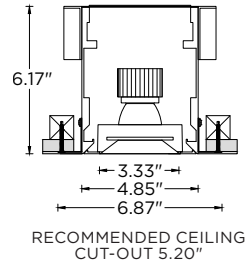
5 Year Warranty on LED and drivers
LED system rated for operation in ambient environments up to 25°C

HARD CEILING

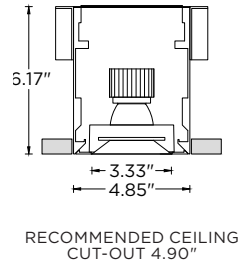
WT - TRIM



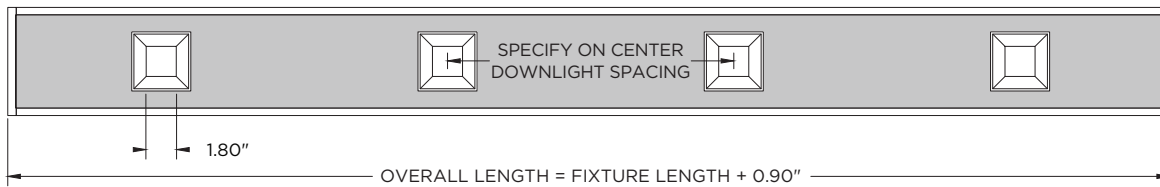
XTR - TRIMLESS



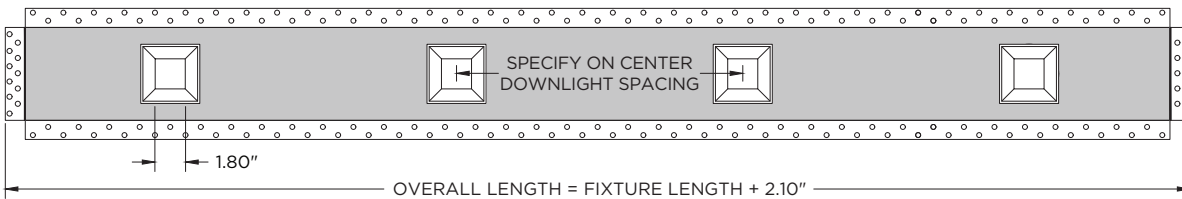
FX - FLANGELESS



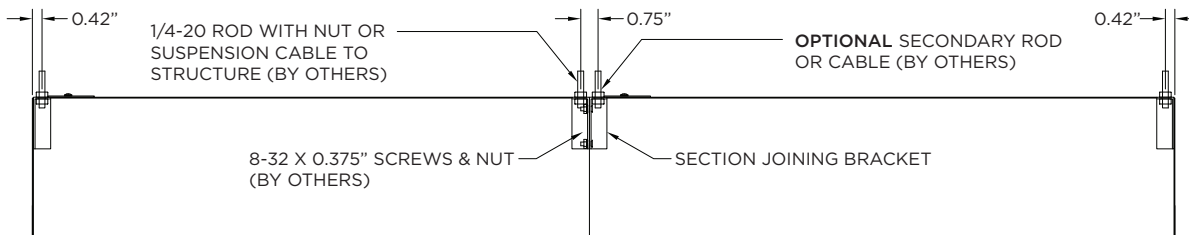
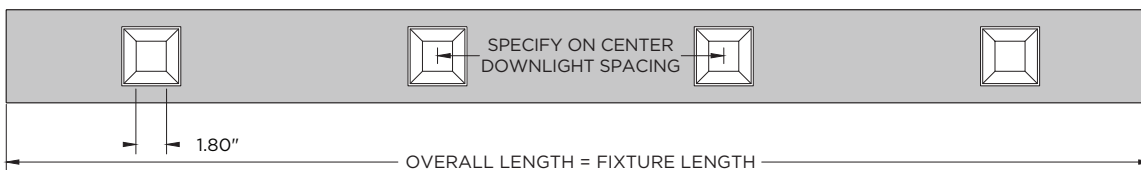
TRIM



TRIMLESS (MUD-IN DRYWALL)

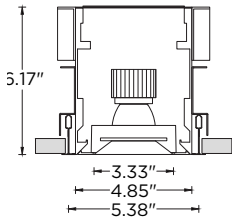


FLANGELESS

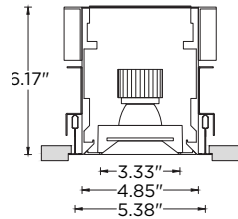


GRID CEILING

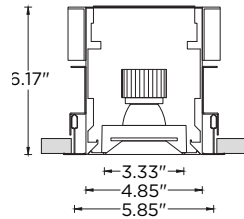
9L - 9/16" LAYIN



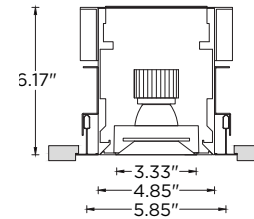
9TG - 9/16" TEGULAR



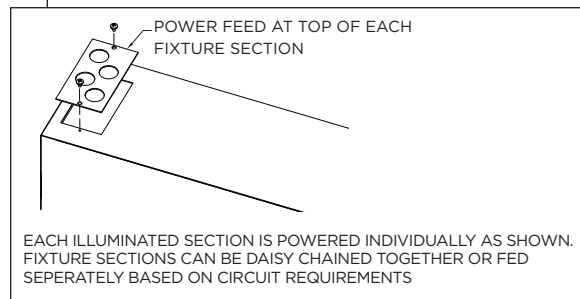
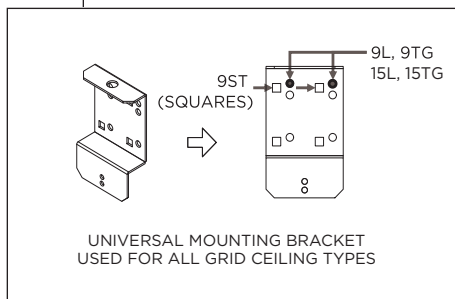
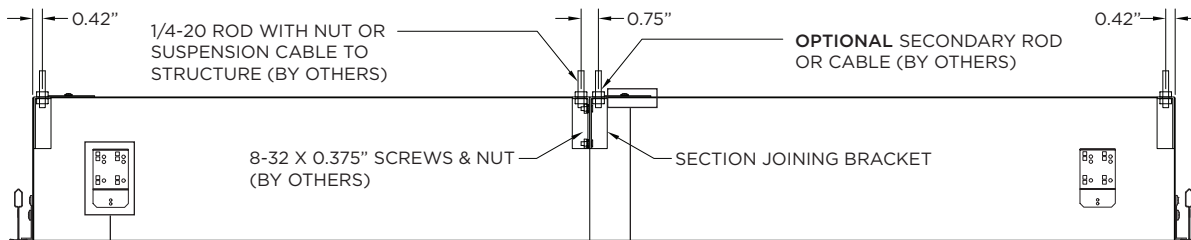
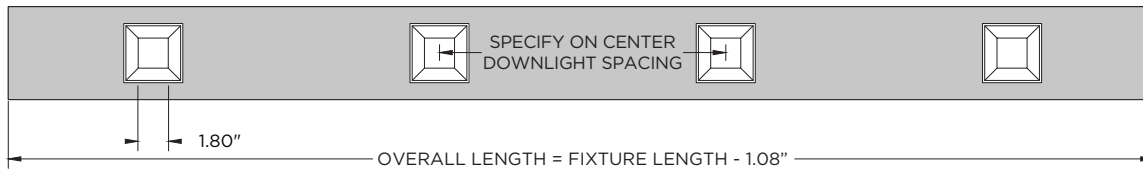
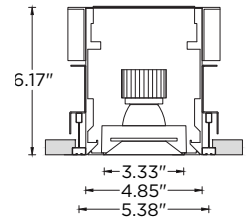
15L - 15/16" LAYIN



15TG - 15/16" TEGULAR

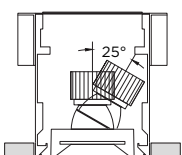


9ST - 9/16" SLOT TEE TEGULAR

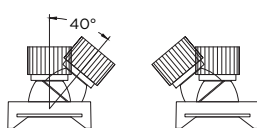


DOWNLIGHT ADJUSTABILITY

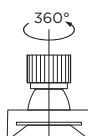
WIDTH



LENGTH



ROTATION



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 — CHANNEL SYSTEMS

Architectural channel systems for recessed, surface, and suspended applications, including straight and curved configurations. Designed to integrate luminaires with mechanical systems, including HVAC and sprinkler systems, within coordinated ceiling layouts.

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.

Channel 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; Aluminum; Pulp, cellulose; Nylon 6; 2-Propenoic acid, butyl ester, polymer with ethenylbenzene and 2-propenenitrile; Carbonic dichloride, polymer with 4,4'-(1-methylethylidene)bis[phenol]; Paper; Soda lime; Starch, base-hydrolyzed, borated; Magnesium; 2,4,8,10-Tetraoxa-3,9-diphosphaspiro[5.5]undecane, 3,9-bis[2,4-bis(1,1-dimethylethyl)phenoxy]-; Vinyl acetate; Silicon; 1,3-Propanediol, 2-ethyl-2-(hydroxymethyl)-

Living Building Challenge Criteria: Compliant

I-13 Red List:

- | | |
|---|-----------------------------|
| ☒ LBC Red List Free | % Disclosed: 100% at 100ppm |
| ☐ LBC Red List Approved | VOC Content: Not Applicable |
| ☐ Declared | |

I-10 Interior Performance: Not Applicable

I-14 Responsible Sourcing: Not Applicable

GLG-0003

EXP. 01 JUN 2027

Original Issue Date: 2026

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