

# 3G LIGHTING

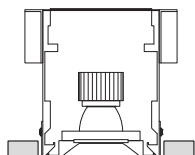
## 3GR-48RDSL

4.8" CURVED RECESSED SLOT  
3" ROUND DOWNLIGHT

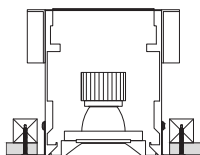
4.8" Recessed Downlight Slot designed for continuous runs  
Machined aluminum faceplate with round, trimless downlight integration  
3" round adjustable or 3" round fixed downlight option  
Standard 95+ CRI LED system with performance up to 147 LPW  
Delivered lumen range up to 3000lm at 95+ CRI  
10° to 90° beam angle options suitable for various applications  
Companion to 3G-DL33R downlight and cylinder families



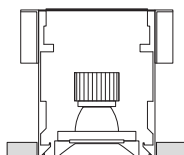
### WT - TRIM



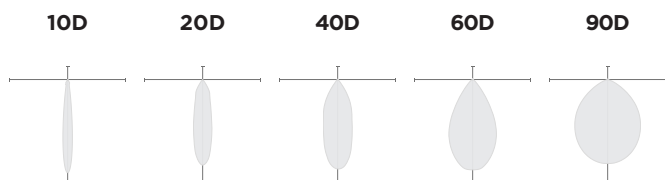
### XTR - TRIMLESS



### FX - FLANGELESS



### OPTICS



### PERFORMANCE

LUMEN OUTPUT	DELIVERED LUMENS	SYSTEM WATTS	EFFICACY (LPW)
1000	1000	8.6	116
1500	1500	13.5	111
2000	2000	18.3	109
2500	2500	25.8	97
3000	3000	31.2	96

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

### SHAPES

This product is designed to be specified using our online configurator. The following configurations are standard offerings. For customized layouts, see page 7 for instructions

RING	CAPSULE	L-SHAPE
<p>More details on page 5</p>	<p>More details on page 5</p>	<p>More details on page 6</p>
U-SHAPE	SQUARE	RECTANGLE
<p>More details on page 6</p>	<p>More details on page 6</p>	<p>More details on page 6</p>

USE ONLINE CONFIGURATOR TO SPECIFY THIS PRODUCT LINE. [CONFIGURE](#)

<b>PROJECT:</b>		<b>TYPE:</b>	
<b>CATALOG#:</b>		<b>DATE:</b>	
		<b>QTY:</b>	

CAT. NO	DOWNLIGHT TYPE	LUMEN OUTPUT**	CRI	COLOR TEMP
<b>3GR-48RDSL</b>	<b>33RF</b> - 3" ROUND FIXED <b>33RA</b> - 3" ROUND FIXED	<b>10</b> - 1000 LUMENS <b>15</b> - 1500 LUMENS <b>20</b> - 2000 LUMENS <b>25</b> - 2500 LUMENS <b>30</b> - 3000 LUMENS  All lumen outputs are delivered lumens at 95+ CRI	<b>H95</b> - 95+ CRI	<b>27K</b> - 2700K <b>30K</b> - 3000K <b>35K</b> - 3500K <b>40K</b> - 4000K

BEAM ANGLE	VOLTAGE	DRIVER	TRIM FLANGE
<b>10D</b> - 10° <sup>1</sup> <b>20D</b> - 20° <sup>1</sup> <b>40D</b> - 40° <b>60D</b> - 60° <b>90D</b> - 90° *  *90D optic supplied with lens Not available with other lens options	<b>UNV</b> - 120/277V <b>120</b> - 120V <b>347</b> - 347V <sup>2</sup>	<b>DIM</b> - 0-10V (100-1%) <b>LE</b> - PHASE DIM <sup>3</sup> (TRIAC/ELV, 100-1%) <b>DO1</b> - 0-10V (100-0.1%) <b>DALI</b> - DALI (100-1%) <sup>4</sup> <b>DHL2</b> - LUTRON HI-LUME (1% ECOSYSTEM) <b>DMX</b> - DMX (100-0%)	<b>WT</b> - WHITE TRIM (STANDARD) <b>BT</b> - BLACK TRIM <b>XTR</b> - TRIMLESS (MUD-IN DRYWALL) <b>FX</b> - FLANGELESS

HOUSING AND FACEPLATE	DOWNLIGHT INSERT	OPTIONS	RUN TYPE
<b>BK</b> - BLACK (STANDARD) <b>WH</b> - WHITE	<b>BI</b> - BLACK <b>WI</b> - WHITE <b>SI</b> - SILVER	<b>EMR</b> - EMERGENCY BATTERY <sup>5</sup> (REMOTE) <b>2C</b> - 2 CIRCUIT OPERATION <b>3C</b> - 3 CIRCUIT OPERATION <b>SF</b> - SOFTENING LENS <b>LS</b> - LINEAR SPREAD LENS <b>SB</b> - SANDBLASTED LENS  *Lens options not available with 90D optic Maximum 1 optical accessory	<b>O</b> - ____' (RING) <b>P</b> - ____'x ____' (CAPSULE) <b>L</b> - ____'x ____' (L-SHAPE) <b>U</b> - ____'x ____'x ____' (U-SHAPE) <b>SQ</b> - ____'x ____' (SQUARE) <b>R</b> - ____'x ____' (RECTANGLE) <b>CUS</b> - CUSTOM SHAPE (PLEASE SUBMIT DRAWING TO 3G)  *Product is designed to be specified using our online configurator. <a href="#">CONFIGURE</a>

RADIUS	RADIUS DOWNLIGHTS	TOTAL DOWNLIGHTS
<b>RA</b> - ____'	<b>RL</b> - ____	<b>DL</b> - ____
*Ring and Capsule shapes do not require Radius selection		

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

## PERFORMANCE

### 3" ROUND FIXED DOWNLIGHT

LUMEN OUTPUT	DELIVERED LUMENS	SYSTEM WATTS	EFFICACY (LPW)
1000	1000	8.6	116
1500	1500	13.5	111
2000	2000	18.3	109
2500	2500	25.8	97
3000	3000	31.2	96

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

### 3" ROUND ADJUSTABLE DOWNLIGHT

LUMEN OUTPUT	DELIVERED LUMENS	SYSTEM WATTS	EFFICACY (LPW)
1000	1000	9.3	109
1500	1500	14.0	107

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

## MULTIPLIERS

BEAM ANGLE	
10D	0.92
20D	1.24
40D	1.00
60D	0.97
90D	0.91

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

BEAM ANGLE	
10D	0.80
20D	1.27
40D	1.00
60D	0.88

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

## LISTING

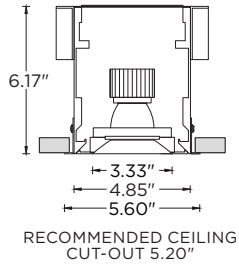
ETL listed and conforms to UL1598 standard  
Certified to CSA22.2 No.250.0.  
JA8 certified  
Rated for dry or damp locations

## WARRANTY

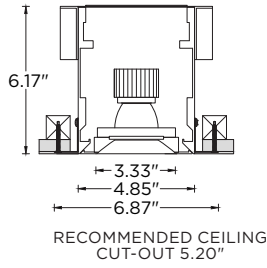
5 Year Warranty on LED and drivers  
LED system rated for operation in ambient environments up to 25°C

**HARD CEILING**

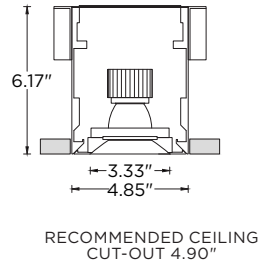
**WT - TRIM**



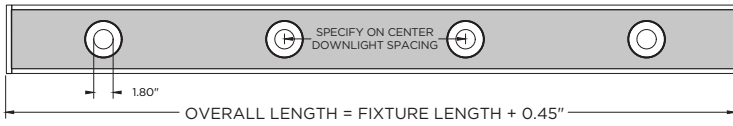
**XTR - TRIMLESS**



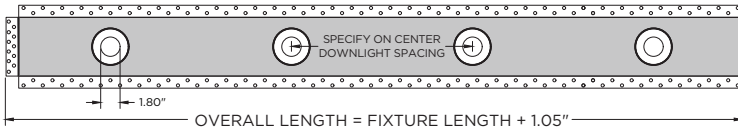
**FX - FLANGELESS**



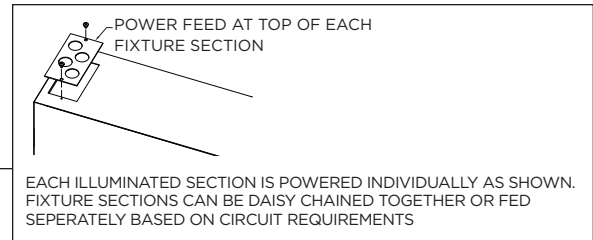
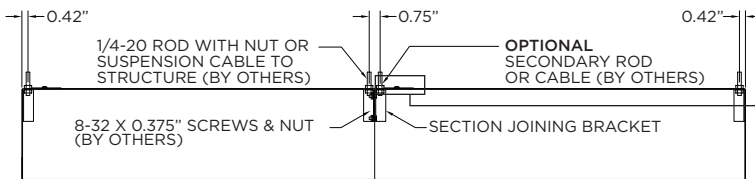
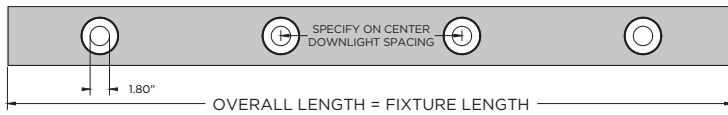
**TRIM**



**TRIMLESS (MUD-IN DRYWALL)**



**FLANGELESS**

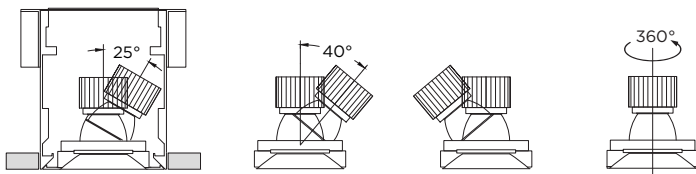


**GIMBAL ADJUSTABILITY**

**WIDTH**

**LENGTH**

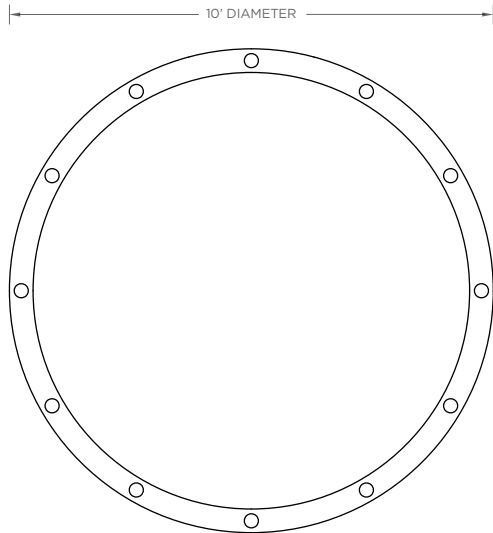
**ROTATION**



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## RING

RUN TYPE	TOTAL DOWNLIGHTS
<input checked="" type="radio"/> - RING <input type="radio"/> - RING	12
10' DIAMETER <input type="text"/>	



**Step 1:** Select diameter: **2'-60'**

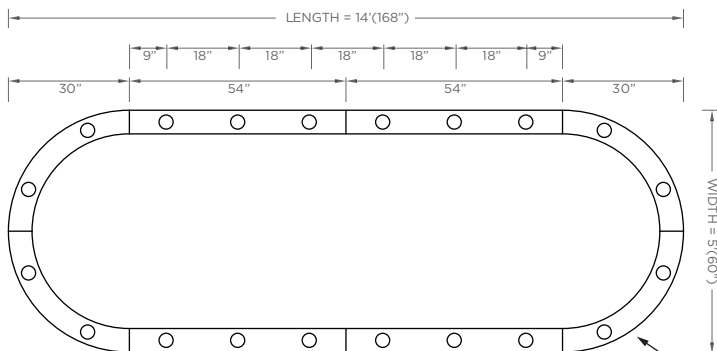
**Step 2:** Select the total number of downlights

**Configurator Logic:** Downlight options scale with diameter selection

USE ONLINE CONFIGURATOR TO SPECIFY THIS PRODUCT LINE. [CONFIGURE](#)

## CAPSULE (PILL)

RUN TYPE	RADIUS	RADIUS DOWNLIGHTS	TOTAL DOWNLIGHTS
<input checked="" type="radio"/> - CAPSULE <input type="radio"/> - CAPSULE	30"	2	20
5' (5' LONG) <input type="text"/>			
14' (14' LONG) <input type="text"/>			



**Step 1:** Select width: **2'-10'**

**Step 2:** Select length: **4'-100'**

**Step 3:** Select the number of downlights in radius segments

**Step 4:** Select the number of downlights

**Configurator Logic:** Downlight options scale with diameter selection

USE ONLINE CONFIGURATOR TO SPECIFY THIS PRODUCT LINE. [CONFIGURE](#)

## L-SHAPE / U-SHAPE / SQUARE / RECTANGLE

RUN TYPE		RADIUS	RADIUS DOWNLIGHTS	TOTAL DOWNLIGHTS
U - U-SHAPE		18"	2	14
12' (12' LONG)	✓			
8' (8' LONG)	✓			
10' (10' LONG)	✓			

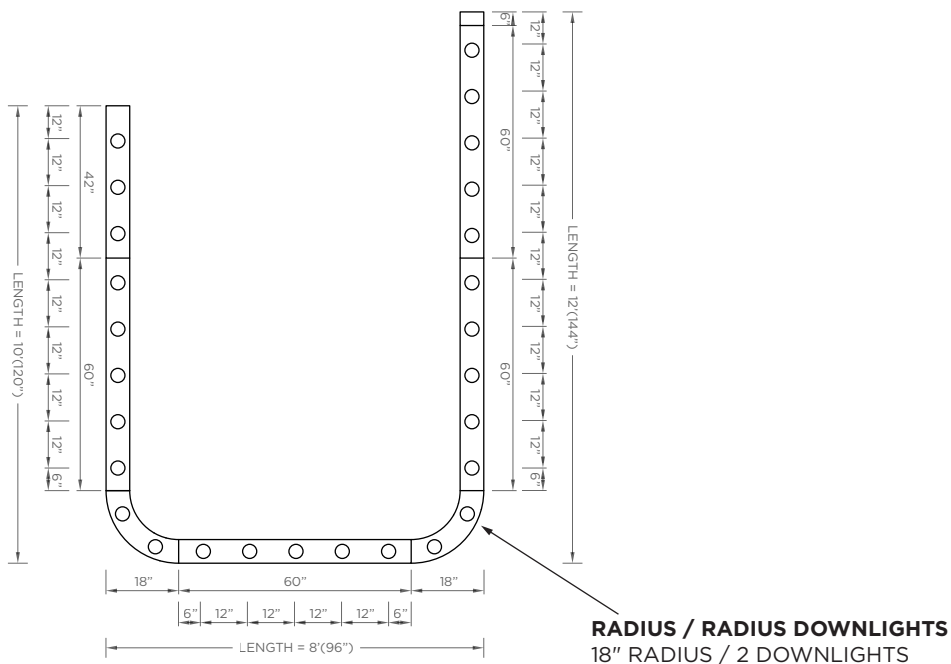
**Step 1:** Select lengths (2'-100' each side)

**Step 2:** Select soft corner radius (12"-60")

**Step 3:** Select number of downlights in radius segments

**Step 4:** Select the total number of downlights

**Configurator Logic:** The lengths of each side dictate the soft corner radius size available. Once radius is selected, choose the number of downlights within the radius from the drop down list. Choose the total number of downlights within the entire run from the drop down list. Downlights are distributed proportionally along straight sides according to length, with on-center spacing rules applied automatically.



## CUSTOM

RUN TYPE	RADIUS	RADIUS DOWNLIGHTS	TOTAL DOWNLIGHTS
CUS - CUSTOM ✕	----- ▼	----- ▼	----- ▼

### Option 1: CAD Layout

Download CAD blocks from the product page and create your layout using available modules in your preferred **CAD software**. Submit a PDF or **DWG/DXF file**.

Modules:

- **Radius options:** 12", 18", 24", 30", 36", 42", 48", 54", 60"
- **Angle segments:** 30°, 45°, 60°, 90°
- **Straight runs:** available in **6" increments**

**Configurator Logic:** 3G reviews all custom submissions and returns a validated layout with part numbers, downlight counts, sectioning, and circuit guidance.

### Option 2: Sketch

Submit a simple sketch with dimensions, number of downlights and spacing, and we'll generate the closest configuration.

