

# 3G LIGHTING

## 3G-DL45RA

4" ROUND ADJUSTABLE DOWNLIGHT  
TUNABLE WHITE

Standard 90+ CRI Tunable White LED system (2700K-6500K)  
 Regressed LED source for enhanced glare control  
 Proprietary hot aiming mechanism with sliding center beam optimization  
 0° - 40° lockable tilt and 360° lockable rotation  
 Available with Lutron AWN for wireless control  
 Companion to 3G's Cylinder, G-RO, and 3Gi product families



### TRIM FLANGE



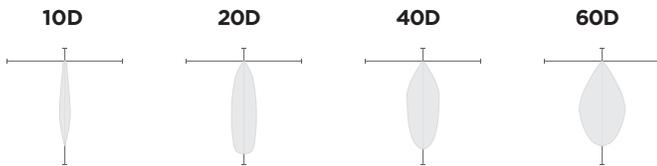
### TRIMLESS



### MILLWORK



### OPTICS



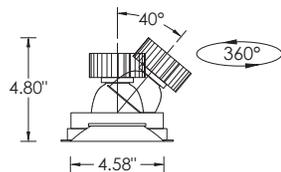
### PERFORMANCE

LUMEN OUTPUT	DELIVERED LUMENS	SYSTEM WATTS	EFFICACY (LPW)
750	750	12.4	60
1000	1000	17.1	59
1250	1250	21.4	58
1450	1450	26.0	56

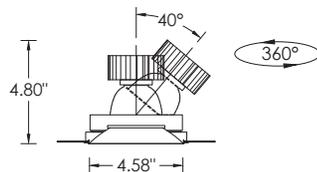
BASED ON 90+ CRI, 3000K, 40D OPTIC WITH SOFTENING LENS  
 Lumen output and actual wattage may vary +/- 5%

### DIMENSIONS

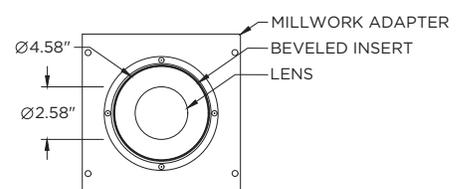
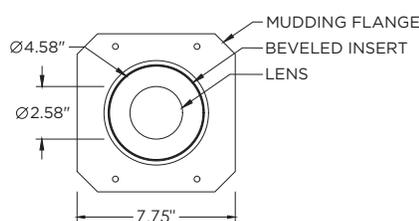
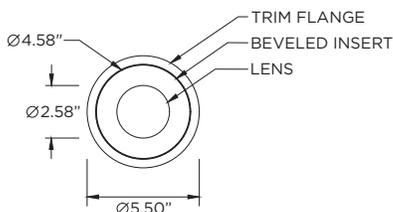
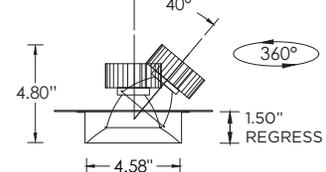
#### TRIM FLANGE



#### TRIMLESS



#### MILLWORK



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

CAT. NO	LED SOURCE	LUMEN OUTPUT	CRI	BEAM ANGLE	VOLTAGE
<b>3G-DL45RA</b>	<b>TW - TUNABLE WHITE</b> (2700K-6500K)	<b>07 - 750 LUMENS</b> <b>10 - 1000 LUMENS</b> <b>12 - 1250 LUMENS</b> <b>14 - 1450 LUMENS</b>  All lumen outputs are <b>delivered lumens</b> at 90+ CRI	<b>H90 - 90+ CRI</b>	<b>10D - 10°</b> <sup>1</sup> <b>20D - 20°</b> <b>40D - 40°</b> <b>60D - 60°</b>	<b>UNV - 120/277V</b>

DRIVER	FLANGE TYPE	BEVELED INSERT	HOUSING TYPE
<b>D01</b> - 0-10V (100-0.1%) <b>DALI</b> - DALI (100-1%) <b>DT8</b> - DALI TYPE 8 (100-0.1%) <sup>2</sup> <b>DMX</b> - DMX (100-0%)	<b>WT</b> - WHITE TRIM <b>BT</b> - BLACK TRIM <b>ST</b> - SILVER TRIM <b>XTR</b> - TRIMLESS (MUD-IN DRYWALL) <b>MWF</b> - FLANGELESS <sup>3</sup> MILLWORK	<b>WI</b> - WHITE <b>BI</b> - BLACK <b>SI</b> - SILVER	<b>RMD</b> - REMODEL (NON-IC) <b>NCF</b> - NEW CONSTRUCTION FRAME (NON-IC) <b>NC</b> - NEW CONSTRUCTION HOUSING <b>IC</b> - NEW CONSTRUCTION <sup>4</sup> IC HOUSING  NCF housings ship with nailer type bar hangers. NC and IC housings available with optional C-channel bar hangers

OPTIONS
<b>AWNR</b> - LUTRON ATHENA RF NODE <sup>5</sup> <b>SF</b> - SOFTENING LENS (SUPPLIED STANDARD) <b>HX</b> - HEXCELL LOUVER <b>SB</b> - SANDBLASTED LENS <b>LS</b> - LINEAR SPREAD LENS <b>WL</b> - WET LOCATION RATED <b>CP</b> - CHICAGO PLENUM <sup>6</sup> <b>BH</b> - C-CHANNEL BAR HANGERS <b>EMR</b> - EMERGENCY BATTERY (REMOTE) <sup>7</sup> <b>EMB</b> - INTEGRAL EMERGENCY BATTERY <sup>8</sup> (ABOVE CEILING ACCESS REQUIRED)  Maximum 2 optical accessories



Lutron Athena Wireless Node (AWN) available with DT8 (Dali Type 8) driver only, See page 8 for more details

- <sup>1</sup> 10D reflector available up to 1000lm
- <sup>2</sup> DT8 (DALI Type 8) required for Lutron Awn option
- <sup>3</sup> MWF not available with Remodel (NON-IC)
- <sup>4</sup> New Construction IC housing available up to 1000lm
- <sup>5</sup> Available with DT8 (DALI Type 8) driver only. Available with NCF (New construction frame) and RMD (Remodel) housings only. Not available with EMR or EMB
- <sup>6</sup> Chicago Plenum option available with New Construction Housing
- <sup>7</sup> Enclosure supplied with Emergency Battery and driver. Installed remotely by others. Not accessible through fixture aperture. LED operates at 6500K
- <sup>8</sup> Available with NCF housing option only. Above ceiling access required. Not accessible through fixture aperture. LED operates at 6500K

**PERFORMANCE**

LUMEN OUTPUT	DELIVERED LUMENS	SYSTEM WATTS	EFFICACY (LPW)
750	750	12.4	60
1000	1000	17.1	59
1250	1250	21.4	58
1450	1450	26.0	56

BASED ON 90+ CRI, 3000K, 40D OPTIC WITH SOFTENING LENS  
Lumen output and actual wattage may vary +/- 5%

BEAM ANGLE	
10D	1.10
20D	0.98
40D	1.00
60D	0.96

**HOUSING**

Remodel, new construction frame, new construction and IC housing options available  
Maximum ceiling thickness of 1.5". Consult factory for modifications  
All housing options (except millwork) designed to be easily converted in field to trim or trimless with minimal components  
Housing rated for #12 AWG (4 in, 4 out), 90°C conductors and through branch wiring

**BEVELED INSERT**

Cast aluminum beveled insert with matte powder coated finish  
Regressed LED source for enhanced glare control

**TRIM**

Machined aluminum trim flange with matte powder coated finish and minimal 0.375" overlap

**TRIMLESS**

Mudding flange features a perforated surface for easy mud-in application  
Integral blocking support provided to ensure fixture is properly secured within ceiling structure

**OPTICS**

Proprietary anodized, aluminum reflectors  
Beam angle available in 10°, 20°, 40°, and 60°  
Reflectors are field replaceable (10° reflector not interchangeable)  
Softening lens supplied standard  
0° - 40° lockable tilt and 360° lockable rotation (center beam optimization)

**LED SYSTEM**

Standard 90+ CRI  
Tunable White (2700K-6500K)  
Color consistency <3 SDCM  
L90 > 42,000 hours

**ELECTRICAL**

Standard 0-10V, constant current drivers  
100-0.1% dimming range and >0.9 power factor  
Standard 120/277V universal voltage with several driver options  
Integral drivers are easily accessible through luminaire aperture

**EMERGENCY**

7W output for 90 minutes (+/- 420lm at 90+ CRI). Title 24 Certified  
Integral emergency battery (above ceiling access required)  
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**

Trim fixture designed for use in drywall, wood, acoustic, and other architectural ceilings  
Trimless fixture designed for use in drywall, mud-in ceiling applications  
Recommended cut-out for Millwork Flangeless option (4.78")  
Recommended cut-out for other housing options (5.125")  
New construction frame ship with nailer type bar hangers (14" to 26" extension)  
Optional C-Channel bar hangers available for NC and IC housing options

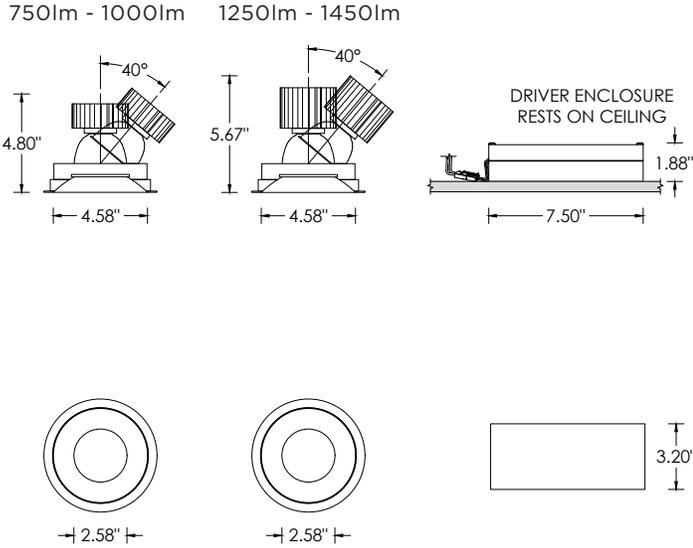
**LISTING**

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

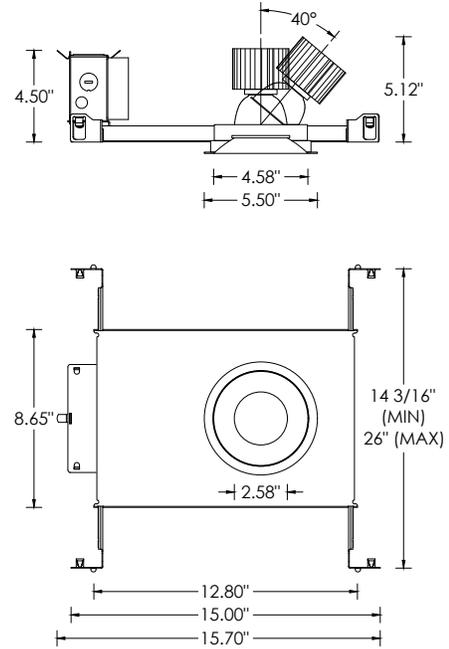
**WARRANTY**

5 year limited warranty  
LED system rated for operation in ambient environments up to 25°C

**RMD - REMODEL (NON-IC)**

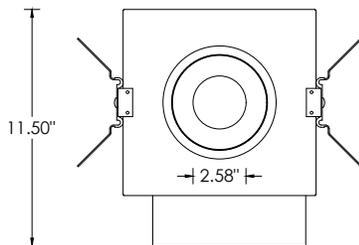
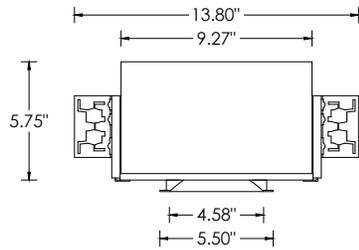


**NCF - NEW CONSTRUCTION FRAME (NON-IC)**

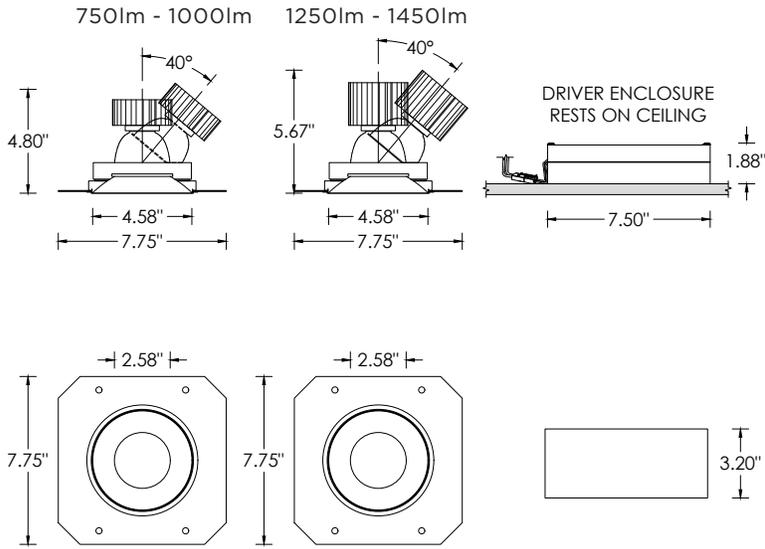


**NC- NEW CONSTRUCTION HOUSING (NON-IC AND CP RATED)**

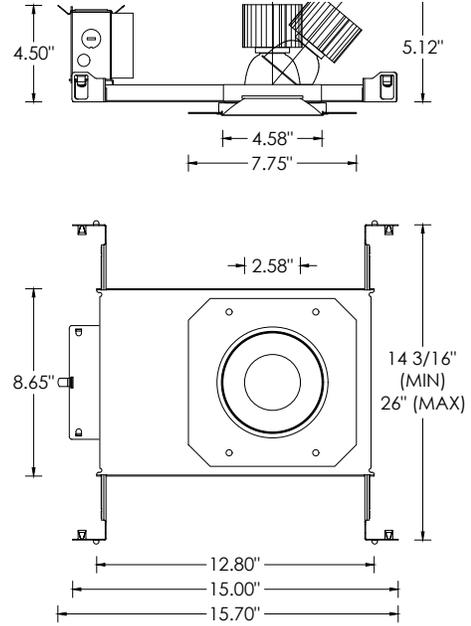
**IC - NEW CONSTRUCTION IC HOUSING (1000LM MAX)**



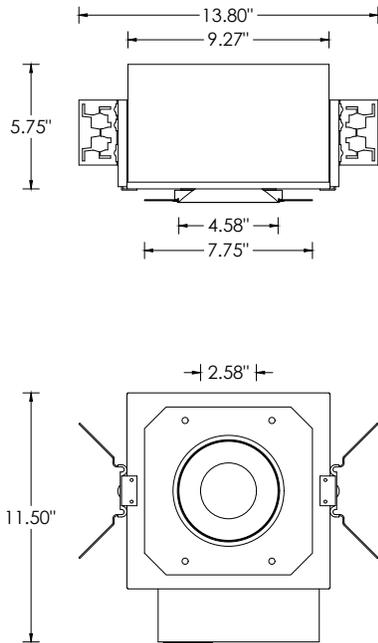
**RMD - REMODEL (NON-IC)**



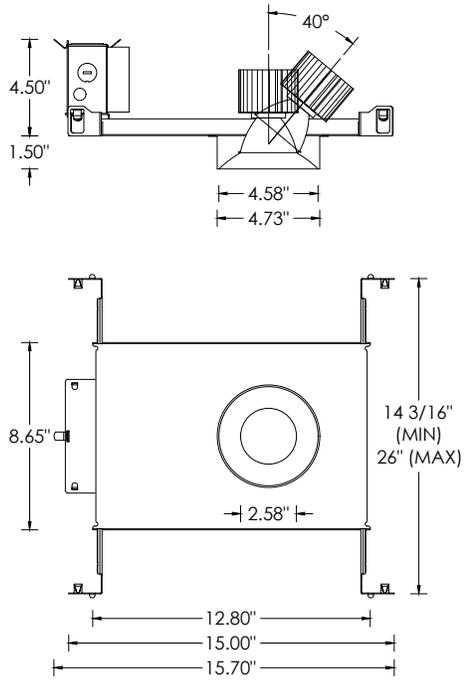
**NCF - NEW CONSTRUCTION FRAME (NON-IC)**



**NC- NEW CONSTRUCTION HOUSING (NON-IC AND CP RATED)**  
**IC - NEW CONSTRUCTION IC HOUSING (1000LM MAX)**

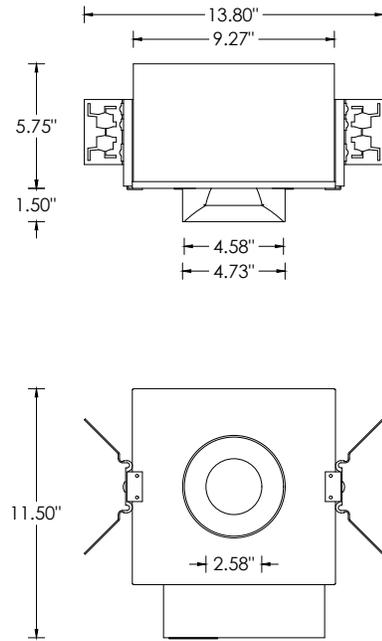


**NCF - NEW CONSTRUCTION FRAME (NON-IC)**

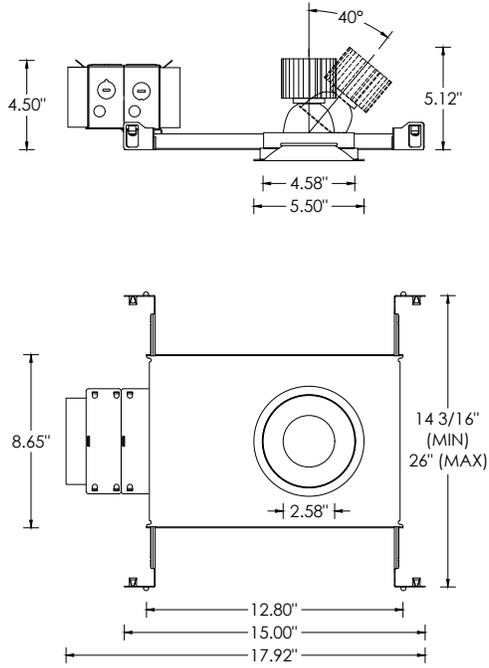


**NC- NEW CONSTRUCTION HOUSING (NON-IC AND CP RATED)**

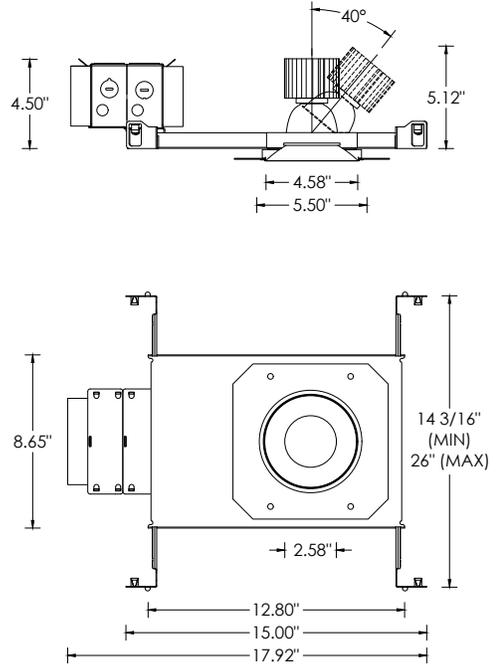
**IC - NEW CONSTRUCTION IC HOUSING (1000LM MAX)**



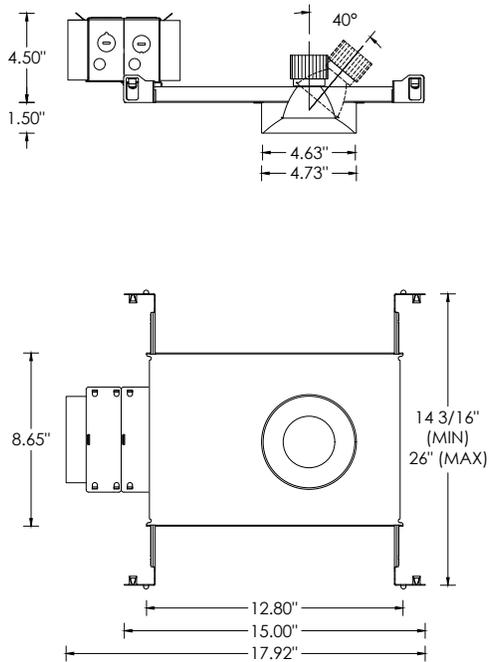
**TRIM**



**XTR - TRIMLESS (MUD-IN DRYWALL)**



**MWF - FLANGELESS MILLWORK**



The Athena wireless node (AWN) is a radio frequency (RF) device that enables simple, digital control of individual light fixtures in an Athena or myRoom XC control system. AWN is offered as a factory-installed RF control option across select 3G luminaires.

The Athena wireless processor or Clear Connect gateway - Type X is required to operate an Athena wireless node in an Athena or myRoom XC control system via a simple setup process using an iOS® or Android® compatible app. This enables these fixtures to be controllable by other Lutron wall controls, keypads, sensors, Pico remote controls, etc



**AWN**  
RF NODE ONLY  
FACTORY-INSTALLED  
FOR INDIVIDUAL  
FIXTURE CONTROL



**HOUSING AND DRIVER COMPATIBILITY**

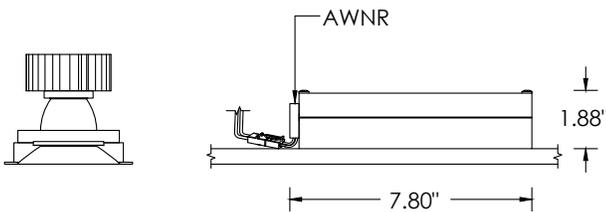
Housing types:

- NCF (New Construction, non-IC)
- RMD (Remodel, non-IC)

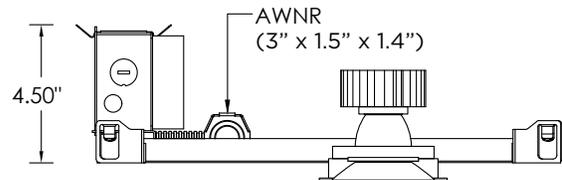
Driver / dimming types:

- DT8 - DALI TYPE 8 (100-0.1%)

**RMD - REMODEL (NON-IC)**



**NCF - NEW CONSTRUCTION FRAME (NON-IC)**



**DEFAULT BEHAVIOR PRIOR TO PROGRAMMING**

Light level defaults to 100%  
Device runs an unprogrammed startup sequence until added to the Athena system

**RF PLACEMENT (FIELD GUIDELINE)**

Each node should be installed within 25 ft (7.6 m) of two or more Clear Connect - Type X devices (nodes / gateways / processors)  
Follow Lutron Athena design guidelines for device density and coverage

**SERVICING**

Access for service is at the fixture's driver box accessible through the luminaire aperture  
If the AWNR node is replaced, it must be re-added / re-commissioned within the Athena system by the controls contractor.