

3G LIGHTING

3G-DL45RA

4" ROUND ADJUSTABLE DOWNLIGHT
DIM TO WARM

Standard 90+ CRI Dim to Warm LED system (3000K-1800K)
Regressed LED source for enhanced glare control
Proprietary hot aiming mechanism with sliding center beam optimization
0° - 40° lockable tilt and 362° lockable rotation
Available with Lutron Awn for wireless control
Companion to 3G's Cylinder, G-RO, and 3Gi product families



TRIM FLANGE



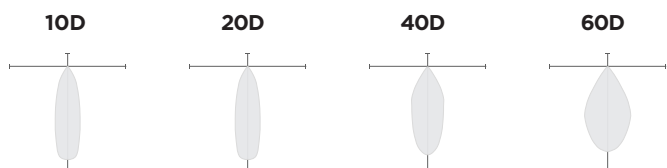
TRIMLESS



MILLWORK



OPTICS



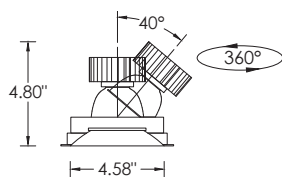
PERFORMANCE

LUMEN OUTPUT	DELIVERED LUMENS	SYSTEM WATTS	EFFICACY (LPW)
750	750	10.7	70
1000	1000	13.9	72
1250	1250	18.2	69
1500	1500	23.0	65

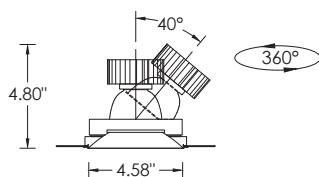
BASED ON 90+ CRI, 3000K, 40D OPTIC WITH SOFTENING LENS
Lumen output and actual wattage may vary +/- 5%

DIMENSIONS

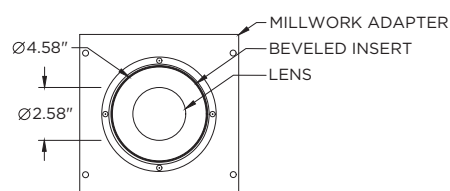
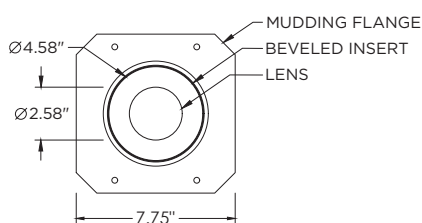
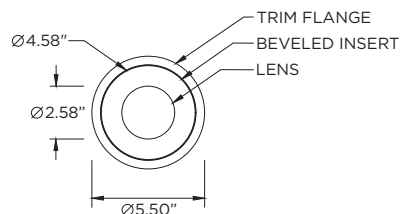
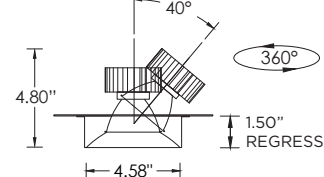
TRIM FLANGE



TRIMLESS



MILLWORK



PROJECT:		TYPE:	
CATALOG#:		DATE:	QTY:

CAT. NO	LED SOURCE	LUMEN OUTPUT	CRI	BEAM ANGLE	VOLTAGE
3G-DL45RA	DW - DIM TO WARM (3000K-1800K)	07 - 750 LUMENS 10 - 1000 LUMENS 12 - 1250 LUMENS 15 - 1500 LUMENS <small>All lumen outputs are delivered lumens at 90+ CRI</small>	H90 - 90+ CRI	10D - 10° ¹ 20D - 20° 40D - 40° 60D - 60°	UNV - 120/277V 120 - 120V 347 - 347V ²

DRIVER	FLANGE TYPE	BEVELED INSERT	HOUSING TYPE
DIM - 0-10V (100-1%) LE - PHASE DIM ³ <small>(TRIAC/ELV, 100-1%)</small> D01 - 0-10V (100-0.1%) DALI - DALI (100-1%) ⁴ DMX - DMX (100-0%) DHL2 - LUTRON HI-LUME LDE1 <small>(1% ECOSYSTEM)</small>	WT - WHITE TRIM BT - BLACK TRIM ST - SILVER TRIM XTR - TRIMLESS <small>(MUD-IN DRYWALL)</small> MWF - FLANGELESS ⁵ <small>MILLWORK</small>	WI - WHITE BI - BLACK SI - SILVER	RMD - REMODEL (NON-IC) NCF - NEW CONSTRUCTION <small>FRAME (NON-IC)</small> NC - NEW CONSTRUCTION <small>HOUSING</small> IC - NEW CONSTRUCTION ⁶ <small>IC HOUSING</small> <small>NCF housing ship with nailer type bar hangers. NC and IC housings available with optional C-channel bar hangers</small>

OPTIONS
AWN⁷ - LUTRON ATHENA RF NODE ⁷ SF - SOFTENING LENS (SUPPLIED STANDARD) HX - HEXCELL LOUVER SB - SANDBLASTED LENS LS - LINEAR SPREAD LENS WL - WET LOCATION RATED CP - CHICAGO PLENUM ⁸ BH - C-CHANNEL BAR HANGERS EMR - EMERGENCY BATTERY (REMOTE) ⁹ EMB - INTEGRAL EMERGENCY BATTERY ¹⁰ <small>(ABOVE CEILING ACCESS REQUIRED)</small> <small>Maximum 2 optical accessories</small>



Lutron Athena Wireless Node (AWN) available with DIM (0-10V) driver option
See page 8 for more details

- ¹ 10D reflector available up to 750lm
- 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 MWF not available with Remodel (NON-IC)
- ⁶ New Construction IC housing available up to 1250lm
- ⁷ Available with DIM driver option. Available with NCF (New construction frame) and RMD (Remodel) housings only. Not available with EMR or EMB
- ⁸ Chicago Plenum option available with New Construction Housing
- ⁹ Enclosure supplied with Emergency Battery and driver. Installed remotely by others. Not accessible through fixture aperture. LED operates at 6500K
- ¹⁰ 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)
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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
Dim to Warm (3000K-1800K)
Color consistency <3 SDCM
L90 > 42,000 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 luminaire aperture

EMERGENCY

7W output for 90 minutes (+/- 505lm 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 and 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

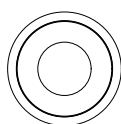
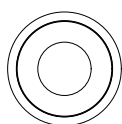
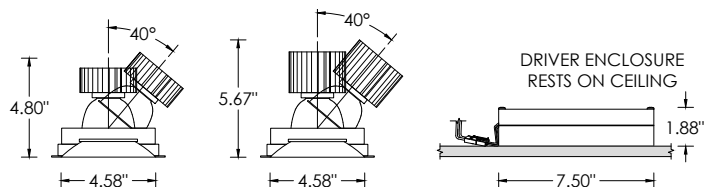
WARRANTY

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

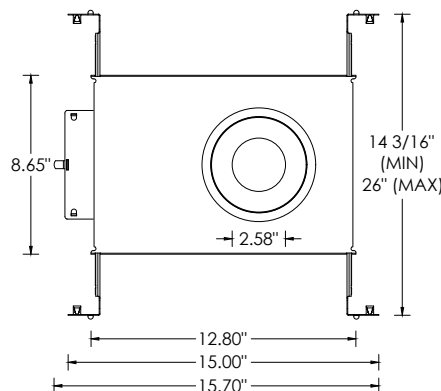
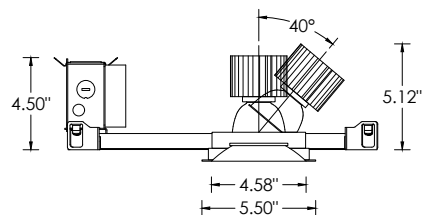
RMD - REMODEL (NON-IC)

750lm - 1250lm

1500lm

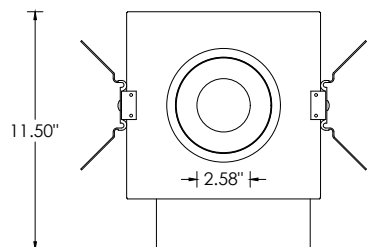
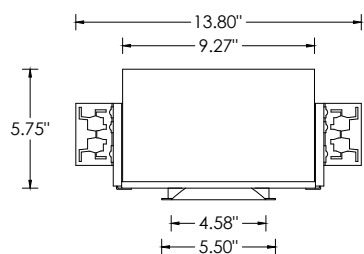


NCF - NEW CONSTRUCTION FRAME (NON-IC)

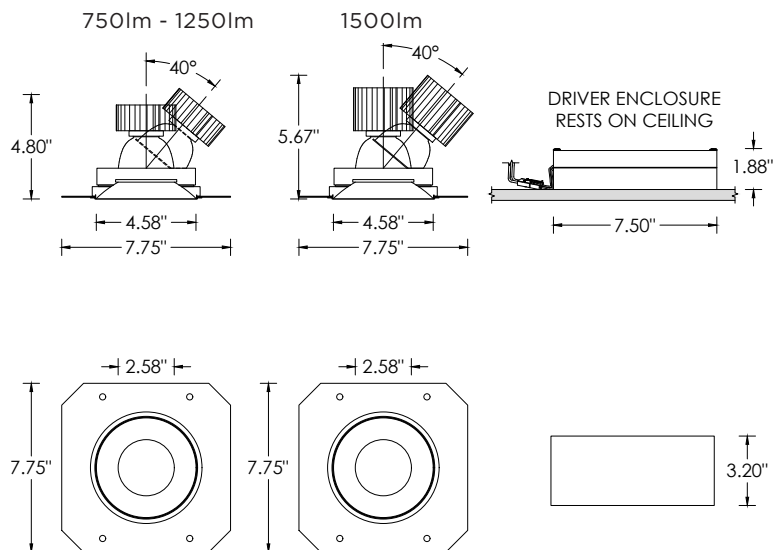


NC- NEW CONSTRUCTION HOUSING (NON-IC AND CP RATED)

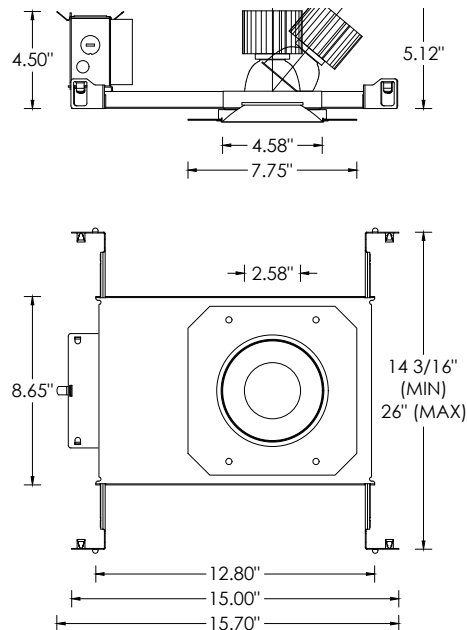
IC - NEW CONSTRUCTION IC HOUSING (1000LM MAX)



RMD - REMODEL (NON-IC)

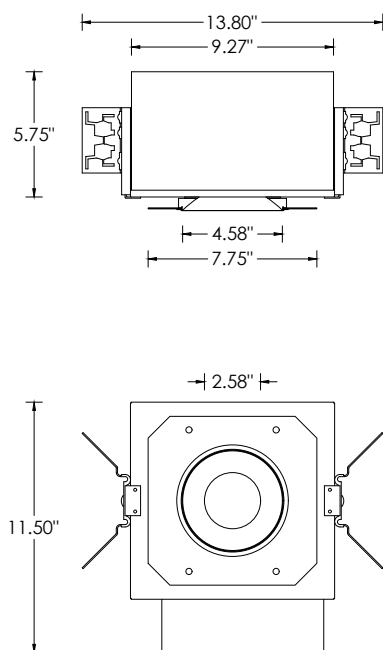


NCF - NEW CONSTRUCTION FRAME (NON-IC)

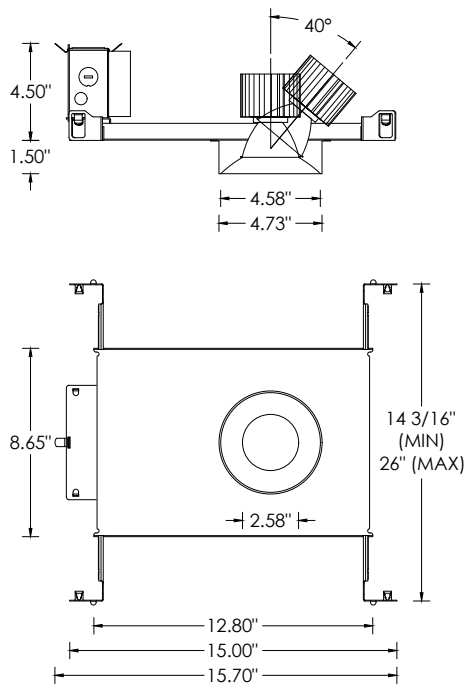


NC- NEW CONSTRUCTION HOUSING (NON-IC AND CP RATED)

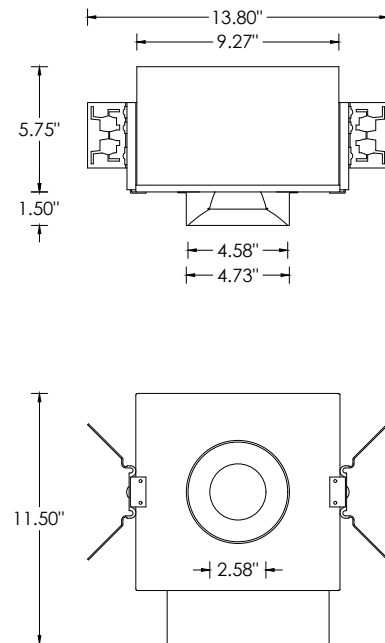
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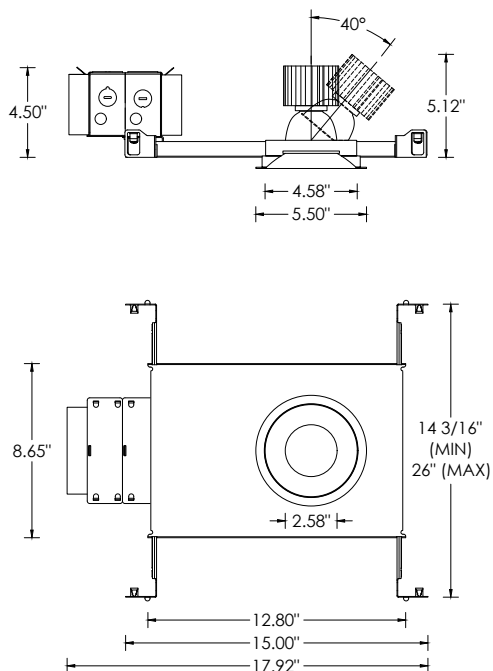
NCF - NEW CONSTRUCTION FRAME (NON-IC)



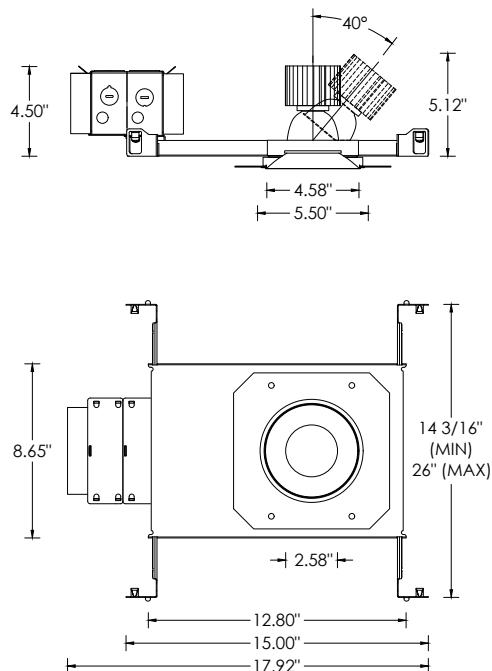
NC- NEW CONSTRUCTION HOUSING (NON-IC AND CP RATED)
IC - NEW CONSTRUCTION IC HOUSING (1000LM MAX)



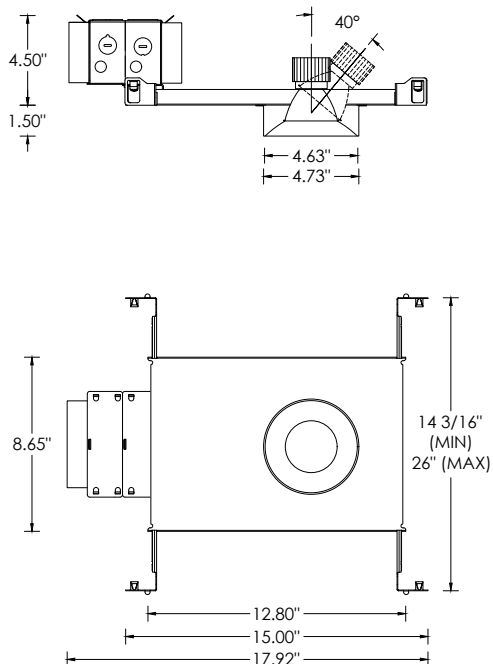
TRIM



XTR - TRIMLESS (MUD-IN DRYWALL)



MWF - FLANGELESS MILLWORK

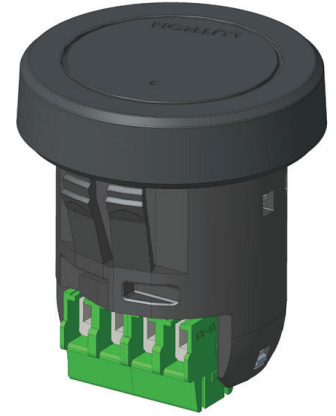


The Athena wireless node (AWN) is a radio frequency (RF) device that enables simple, digital control of individual light fixtures in an Athena or myRoom XC control system. AWN is offered as a factory-installed RF control option across select 3G luminaires.

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

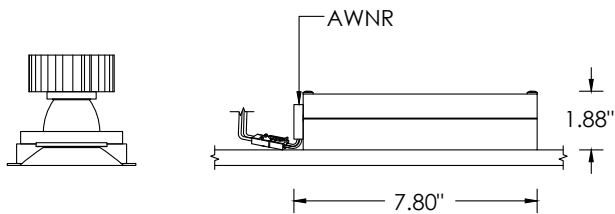
Housing types:

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

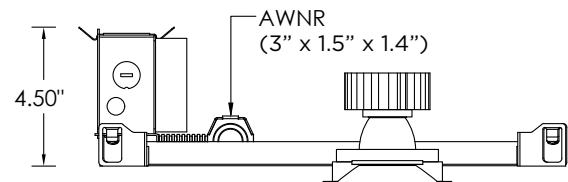
Driver / dimming types:

- DIM - 0-10V (100-1%)

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

Accessible through luminaire aperture

If the Awnr node is replaced, it must be re-added / re-commissioned within the Athena system by the controls contractor.