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



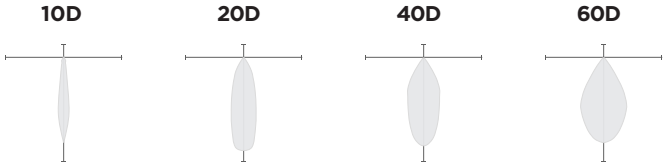
TRIMLESS



MILLWORK



OPTICS



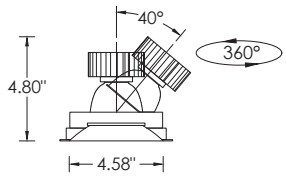
PERFORMANCE

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

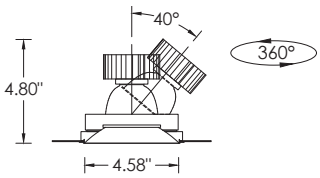
BASED ON 90+ CRI, 3000K, 40D OPTIC WITH SOFTENING LENS
Lumen output and actual wattage may vary +/- 5%

DIMENSIONS

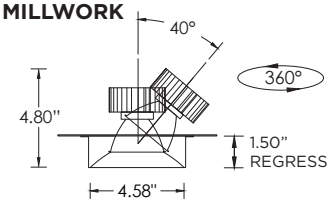
TRIM FLANGE

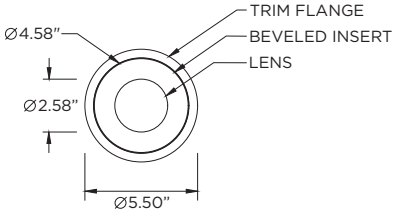


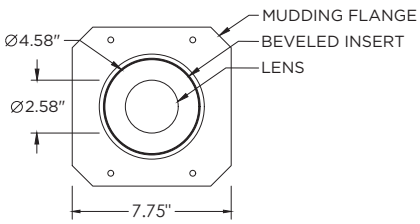
TRIMLESS

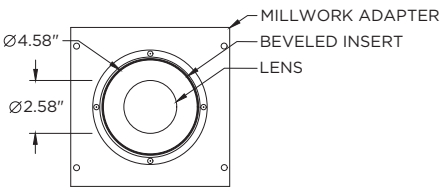


MILLWORK









3G-DL45RA
4" ROUND ADJUSTABLE DOWNLIGHT - TUNABLE WHITE

ORDERING INFORMATION

3GT - Tunable White

PROJECT:		**TYPE:**			
CATALOG#:		**DATE:**		**QTY:**	

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

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

OPTIONS

AWNR - LUTRON ATHENA RF NODE [5]
SF - SOFTENING LENS (SUPPLIED STANDARD)
SB - SANDBLASTED LENS
LS - LINEAR SPREAD LENS
WL - WET LOCATION RATED
CP - CHICAGO PLENUM [6]
BH - C-CHANNEL BAR HANGERS
EMR - EMERGENCY BATTERY (REMOTE) [7]
EMB - INTEGRAL EMERGENCY BATTERY [8] (ABOVE CEILING ACCESS REQUIRED)

Maximum 2 optical accessories

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

1 10D reflector available up to 1000lm
2 DT8 (DALI Type 8) required for Lutron AWN option
3 MWF not available with Remodel (NON-IC)
4 New Construction IC housing available up to 1000lm
5 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
6 Chicago Plenum option available with New Construction Housing
7 Enclosure supplied with Emergency Battery and driver. Installed remotely by others. Not accessible through fixture aperture. LED operates at 6500K
8 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

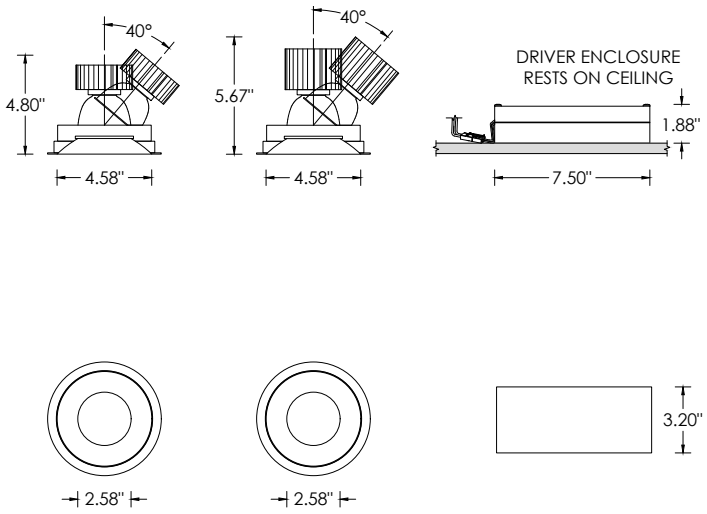
MOUNTING
Trim fixture designed for use in drywall, wood, acoustic, and other architectural ceilings
Trimless fixture designed for use in drywall, mud-in ceiling applications
Recommended cut-out for Millwork Flangeless option (4.78")
Recommended cut-out for other housing options (5.125")
New construction 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

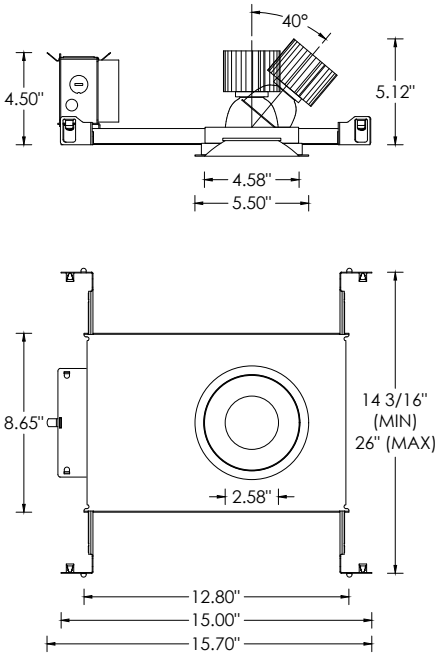
WARRANTY
5 year limited warranty
LED system rated for operation in ambient environments up to 25°C

RMD - REMODEL (NON-IC)

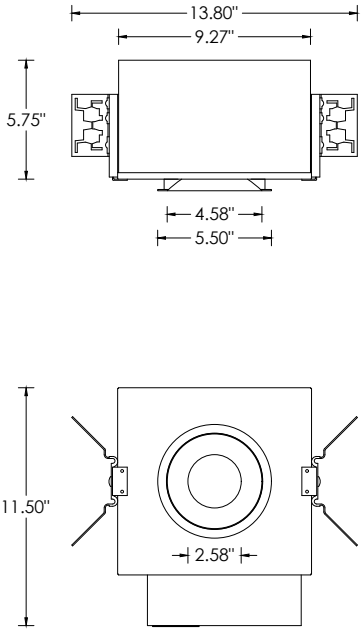
750lm - 1000lm 1250lm - 1450lm



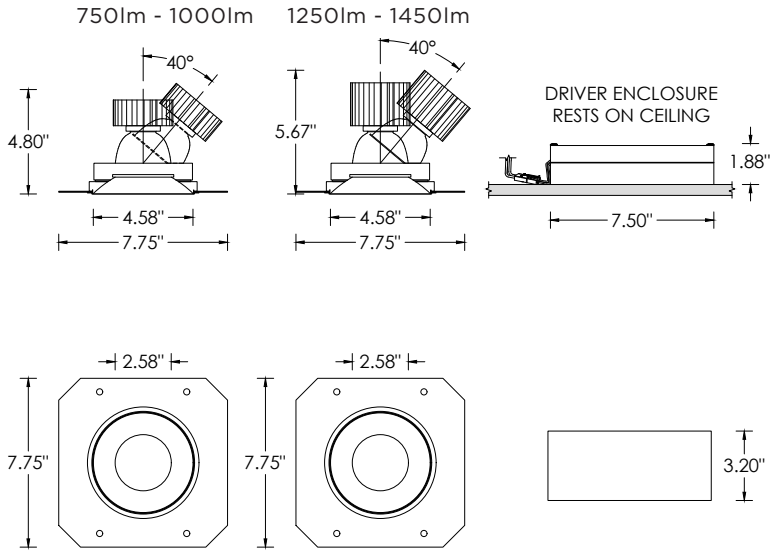
NCF - NEW CONSTRUCTION FRAME (NON-IC)



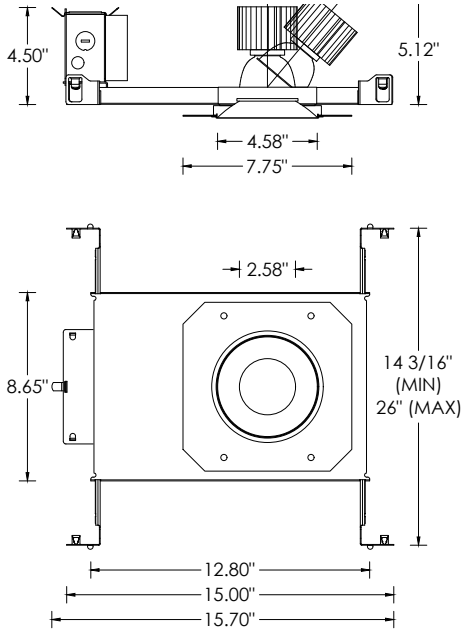
NC- NEW CONSTRUCTION HOUSING (NON-IC AND CP RATED)
IC - NEW CONSTRUCTION IC HOUSING (1000LM MAX)



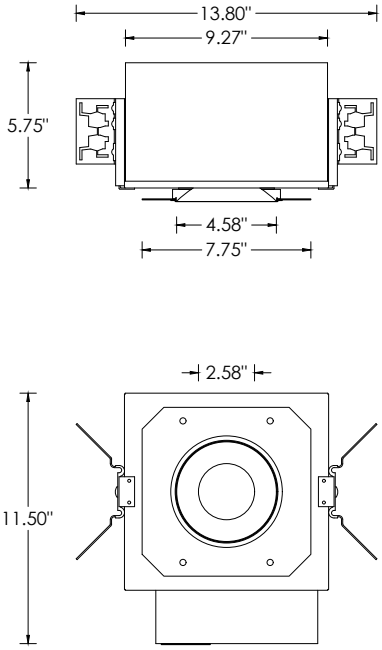
RMD - REMODEL (NON-IC)



NCF - NEW CONSTRUCTION FRAME (NON-IC)

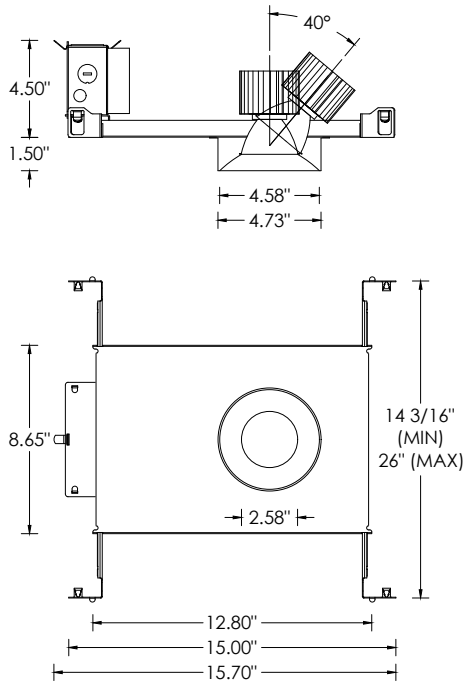


NC- NEW CONSTRUCTION HOUSING (NON-IC AND CP RATED)
IC - NEW CONSTRUCTION IC HOUSING (1000LM MAX)

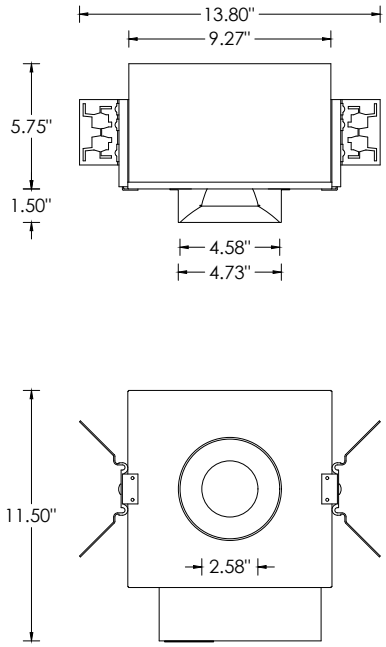


FLANGELESS MILLWORK OPTIONS

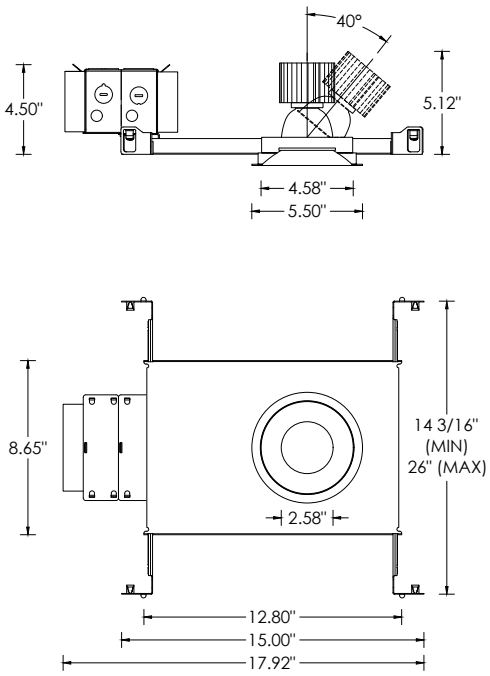
NCF - NEW CONSTRUCTION FRAME (NON-IC)



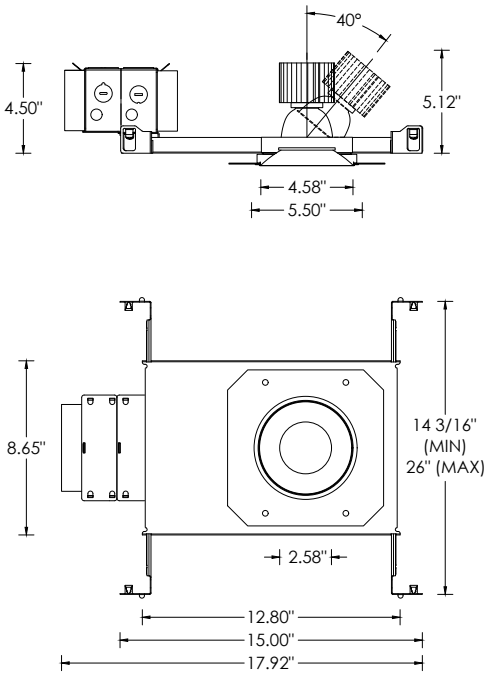
NC- NEW CONSTRUCTION HOUSING (NON-IC AND CP RATED)
IC - NEW CONSTRUCTION IC HOUSING (1000LM MAX)



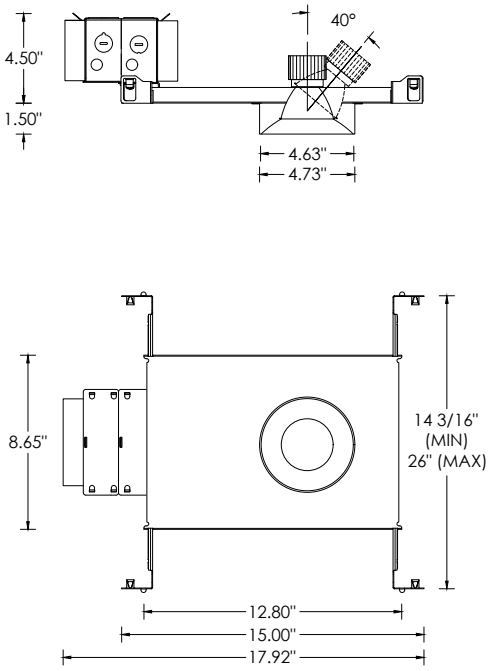
TRIM



XTR - TRIMLESS (MUD-IN DRYWALL)



MWF - FLANGELESS MILLWORK



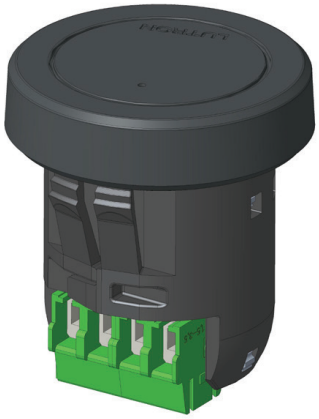
LUTRON ATHENA WIRELESS NODE

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 LUTRON

AWNR
RF NODE ONLY
FACTORY-INSTALLED
FOR INDIVIDUAL
FIXTURE CONTROL

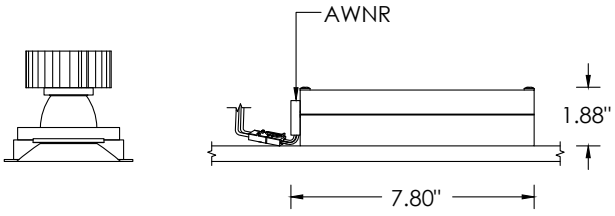


HOUSING AND DRIVER COMPATIBILITY

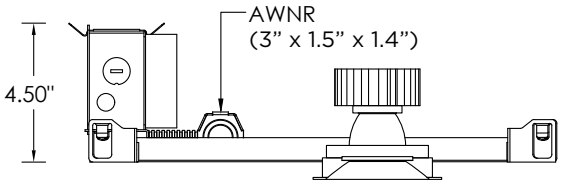
Housing types:
- NCF (New Construction, non-IC)
- RMD (Remodel, non-IC)

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.

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 — DOWNLIGHTS

Recessed downlights for general, accent, and wall wash applications. Available in fixed and adjustable configurations with multiple beam angles, lumen packages, 95+ CRI as standard, low-glare/UGR-rated options, and multiple trim conditions. Options include adjustable modules, dual-axis gimbals, and low-glare multicell optics.

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.

Red List Free

INTERNATIONAL LIVING FUTURE INSTITUTE℠

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℠

Downlight Products
3G Lighting

Final Assembly: Woodbridge, Ontario, Canada
Life Expectancy: 7+ Year(s)
End of Life Options: Recyclable (95%), Landfill (5%)

Ingredients:

Steel, cold roll UNS G10080; Aluminum UNS A96063; 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]-; Silicon; Vinyl acetate; 1,3-Propanediol, 2-ethyl-2-(hydroxymethyl)-; Chromium, metallic

Living Building Challenge Criteria: Compliant

I-13 Red List:
■ LBC Red List Free
□ LBC Red List Approved
□ Declared

% Disclosed: 100% at 100ppm
VOC Content: Not Applicable

I-10 Interior Performance: Not Applicable
I-14 Responsible Sourcing: Not Applicable

GLG-0004
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MANUFACTURER RESPONSIBLE FOR LABEL ACCURACY
INTERNATIONAL LIVING FUTURE INSTITUTE™ living-future.org/declare