

3G LIGHTING

3G-DZ45R

4" ROUND ZOIE
DOWNLIGHT

4" diameter, high performance Zoie downlight
 Regressed LED source provides maximum visual comfort, UGR <10
 High gloss black or white louvers with proprietary optics
 Delivered lumen range up to 3500lm with performance up to 141 LPW
 20° to 60° beam angle options suitable for various applications
 Companion to 3G's Zoie Cylinder product family



PROJECT:		TYPE:	
CATALOG#:		DATE:	QTY:

CAT. NO	LUMEN OUTPUT	CRI	COLOR TEMP	BEAM ANGLE	VOLTAGE
3G-DZ45R	10 - 1000 LUMENS 15 - 1500 LUMENS 20 - 2000 LUMENS 25 - 2500 LUMENS 30 - 3000 LUMENS 35 - 3500 LUMENS ¹ All lumen outputs are delivered lumens	S80 - 80+ CRI H90 - 90+ CRI	27K - 2700K ¹ 30K - 3000K 35K - 3500K 40K - 4000K ¹	20D - 20° 40D - 40° 60D - 60°	UNV - 120/277V 120 - 120V 347 - 347V ²

DRIVER	FLANGE TYPE	LOUVER FINISH	HOUSING TYPE
DIM - 0-10V (STANDARD 100-1%) LE - PHASE DIM (TRIAC/ELV, 100-1%) ³ D01 - 0-10V (100-0.1%) ⁴ DALI - DALI (100-1%) ⁴ DHL2 - LUTRON HI-LUME (1% ECOSYSTEM) DMX - DMX (100-0%) ⁴	BT - BLACK TRIM WT - WHITE TRIM ST - SILVER TRIM XTR - TRIMLESS MWF - FLANGELESS (MILLWORK) ⁵	BLV - BLACK WLV - WHITE	RMD - REMODEL (NON-IC) NCF - NEW CONSTRUCTION FRAME (NON-IC) SH - SHALLOW HOUSING (IC RATED) ⁶ NC - NEW CONSTRUCTION HOUSING IC - NEW CONSTRUCTION IC HOUSING ⁶ NCF and SH housings ship with nailer type bar hangers. NC and IC housings available with optional C-channel bar hangers

OPTIONS
CP - CHICAGO PLENUM ⁷ BH - C-CHANNEL BAR HANGERS (FOR NC & IC HOUSINGS ONLY) EMR - EMERGENCY BATTERY (REMOTE) ⁸ EMB - INTEGRAL EMERGENCY BATTERY (ABOVE CEILING ACCESS REQUIRED) ⁹

- ¹ 3500lm not available in 90CRI. 2700K only available in 90CRI and 4000K only available in 80CRI
² 347V available in 0-10V only (100-1%)
³ Phase dimming options available in 120V only
⁴ D01, DALI and DMX available up to 3000lm. DALI-2 (Type 6) provided as standard. Consult factory for DALI Type 8 option
⁵ MWF not available with Remodel (NON-IC)
⁶ IC rated Shallow Housing & New Construction IC housing available up to 2500lm
⁷ Chicago Plenum option available with Shallow Housing (2500lm max) and New Construction Housing
⁸ Emergency battery installed remotely by others. Not accessible through the inside of the fixture
⁹ Available with NCF (New construction frame housing) only. Above ceiling access required. Not accessible through fixture aperture

PERFORMANCE

LUMEN OUTPUT	DELIVERED LUMENS	SYSTEM WATTS	EFFICACY (LPW)
1000	1000	8.0	125
1500	1500	12.4	121
2000	2000	16.8	119
2500	2500	21.5	116
3000	3000	28.2	107
3500	3500	35.3	99

BASED 80+ CRI, 30K, 40D OPTIC

Lumen output and actual wattage may vary +/- 5%

MULTIPLIERS

BEAM ANGLE	
20D	0.98
40D	1.00
60D	1.02

80+ CRI COLOR TEMP	
2700K	N/A
3000K	1.00
3500K	0.94
4000K	1.11

90+ CRI COLOR TEMP	
2700K	0.83
3000K	0.83
3500K	0.88
4000K	N/A

HOUSING

Remodel, new construction frame, shallow housing, 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

TRIM FLANGE

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

4" aperture with enhanced glare control for maximum visual comfort
High gloss black or white louvers with proprietary optics
Beam angles available in 20°, 40°, and 60°
UGR <10

LISTING

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

WARRANTY

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

LED SYSTEM

Standard 80+ and 90+ CRI
Color consistency <2 SDCM
Available in 27K, 30K, 35K, and 40K
L90 > 60,000 hours

ELECTRICAL

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

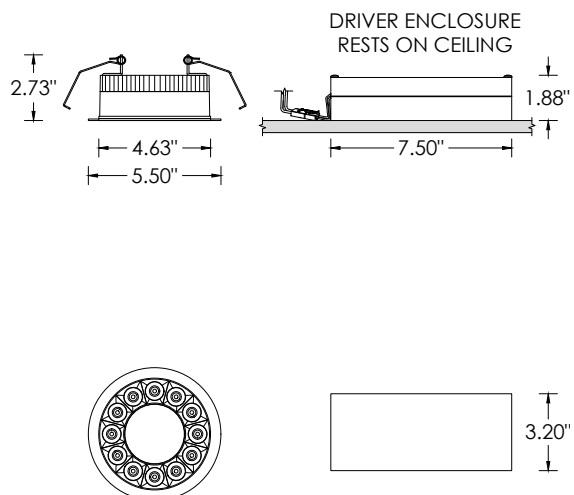
EMERGENCY

7W output for 90 minutes (+/- 875lm at 80+ CRI).
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)
Above 3000lm - 30ft (12AWG) or 20ft (14AWG)
Caution: Emergency Battery utilizes more than one power source and servicing should be performed by qualified personnel

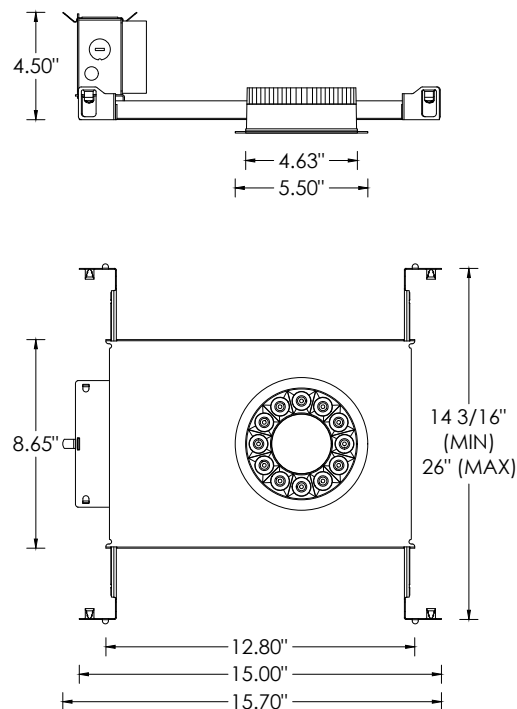
MOUNTING

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 1/8")
New construction frame and IC rated shallow housing ship with nailer type bar hangers (14" to 26" extension)
Optional C-Channel bar hangers available for NC and IC housing options

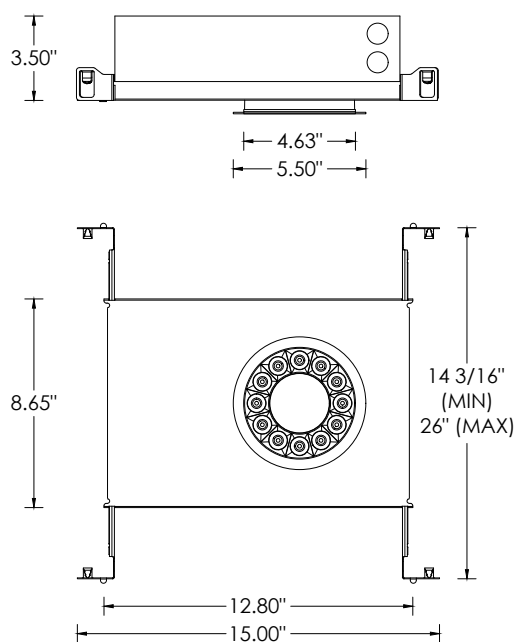
RMD - REMODEL (NON-IC)



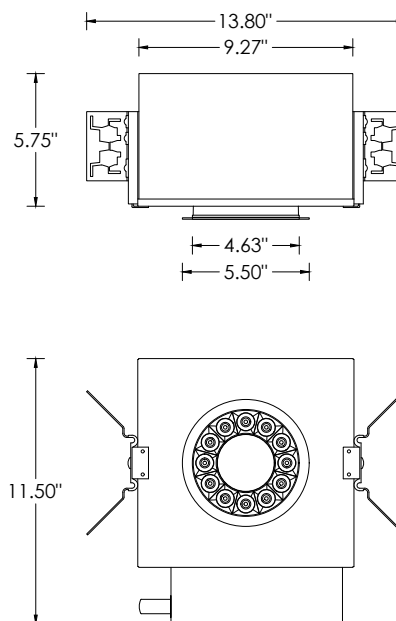
NCF - NEW CONSTRUCTION FRAME (NON-IC)



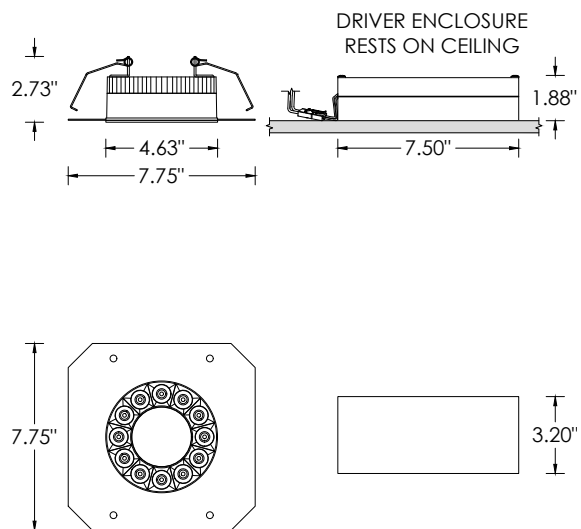
SH - SHALLOW HOUSING (IC AND CP RATED)
(2500LM MAX)(SHIPS WITH BAR HANGERS)



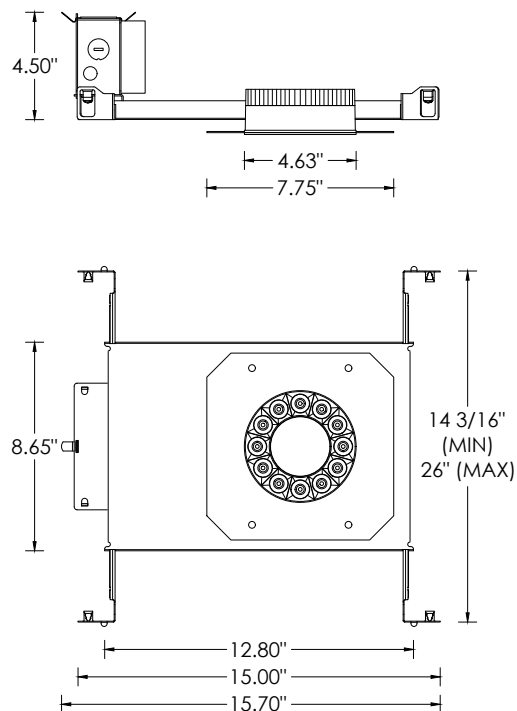
NC - NEW CONSTRUCTION HOUSING (NON-IC AND CP RATED)
IC - NEW CONSTRUCTION IC HOUSING (2500LM MAX)



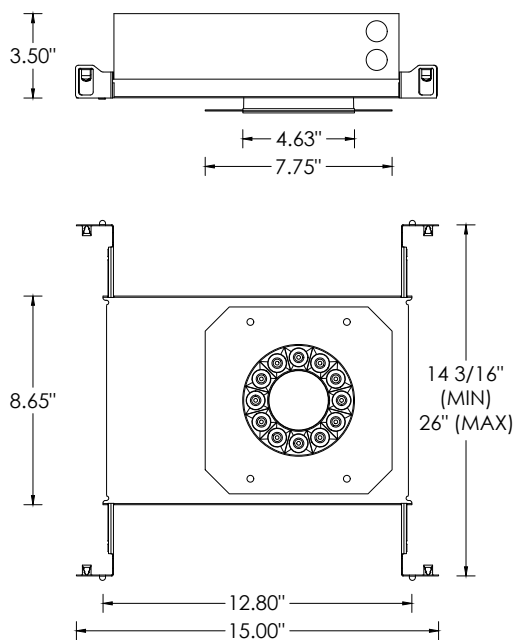
RMD - REMODEL (NON-IC)



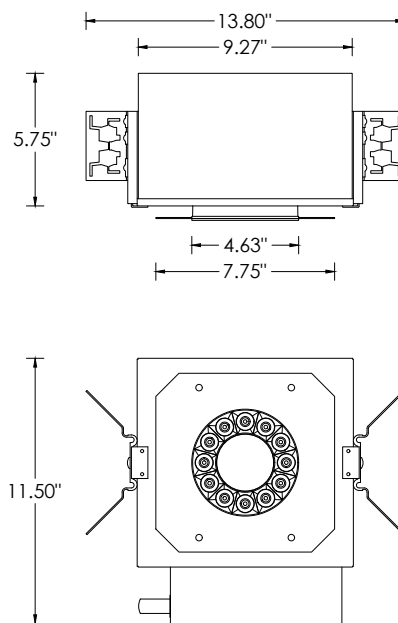
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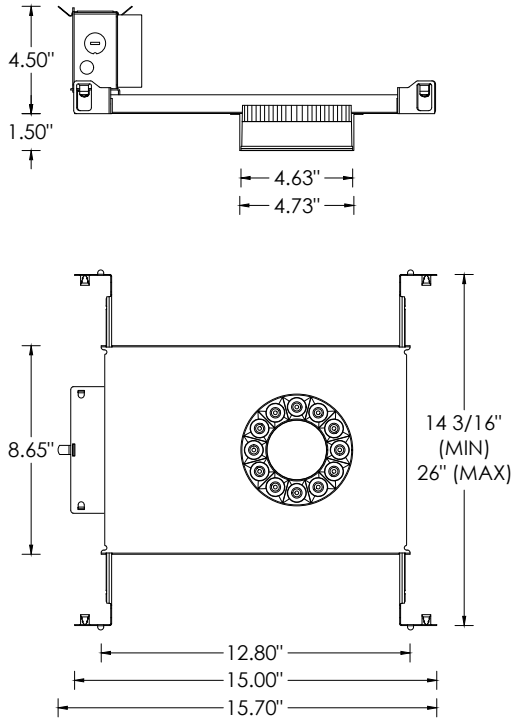
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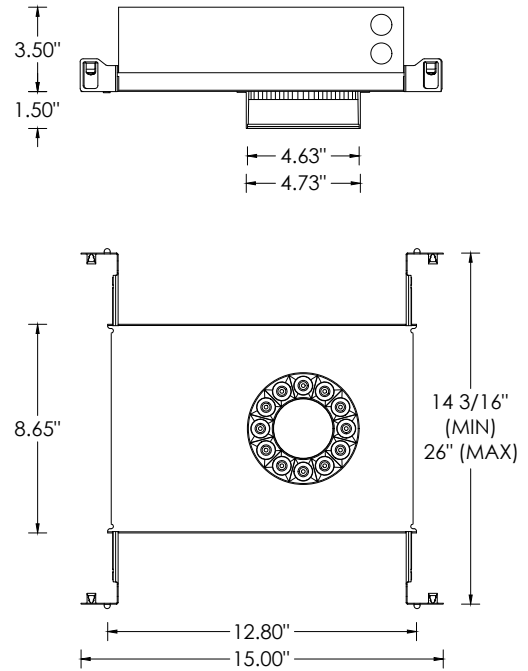
**NC- NEW CONSTRUCTION HOUSING (NON-IC AND CP RATED)
IC - NEW CONSTRUCTION IC HOUSING (2500LM MAX)**



NCF - NEW CONSTRUCTION FRAME (NON-IC)

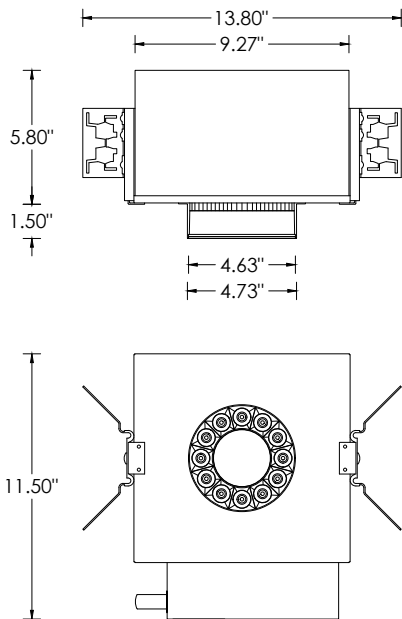


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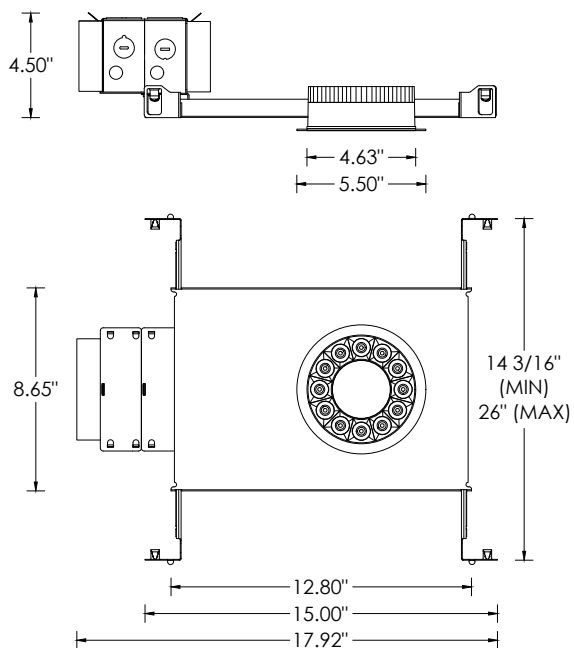


NC- NEW CONSTRUCTION HOUSING (NON-IC AND CP RATED)

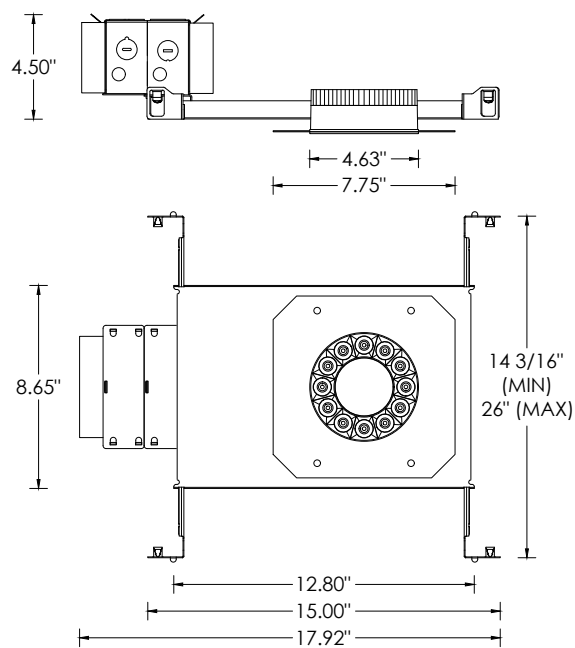
IC - NEW CONSTRUCTION IC HOUSING (2500LM MAX)



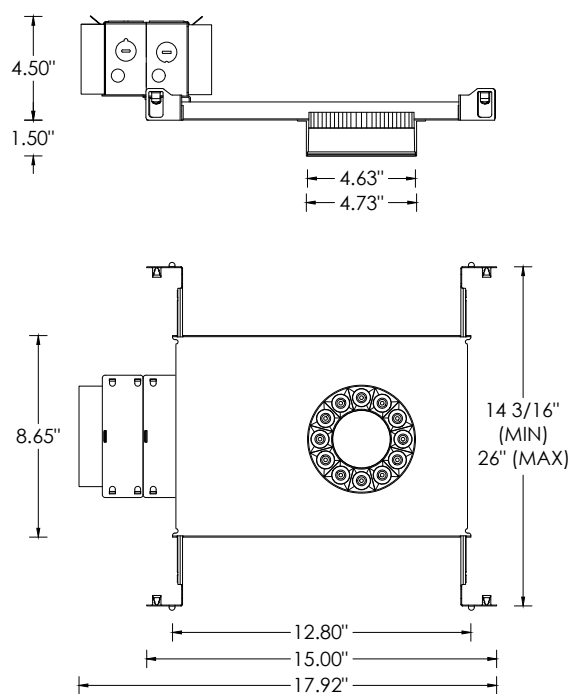
TRIM



XTR - FLANGELESS



MWF - FLANGELESS MILLWORK



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.



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 | % 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-0004

EXP. 01 JUN 2027

Original Issue Date: 2026

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