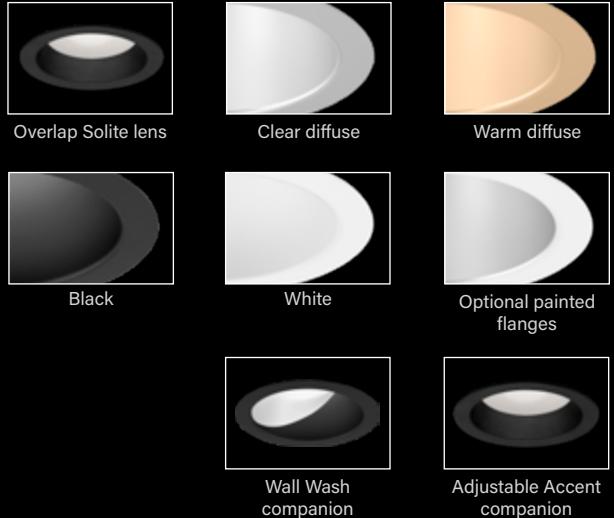
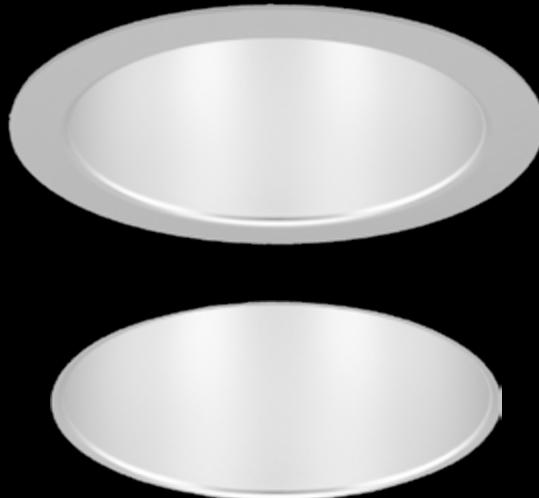


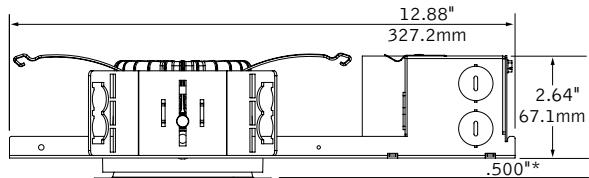
# ID+ 3.5"

OVERLAP & TRIMLESS LED DOWNLIGHTS



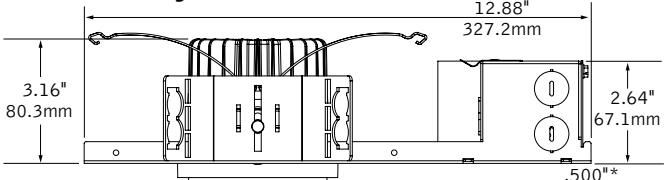
## DIMENSIONAL DATA

### Very Shallow Housing - 60° and 75° cut-off reflectors



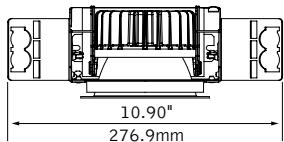
Housing height with DALI, Lutron & LZ1 drivers is 3.0"

### Shallow Housing - 50° cut-off reflector

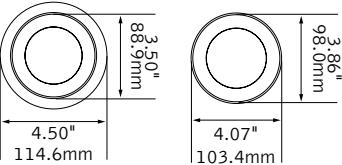


\*Field adjustability of ceiling thickness from 0.5" - 1.5"

### Overlap Trim



### Trimless



\*\*For OD (Outdoor Rated) options only.

## FEATURES

Less than 2.64" low profile housing available.

50°, 60° and 75° cut-off reflector options available.

25° to 90° beam spreads support accent lighting, task lighting and general illumination.

Solite lens with die-cast trim allows for a coordinated aesthetic with ID+ 3.5" Adjustable Accent and delivers 70° or 90° beam spread options.

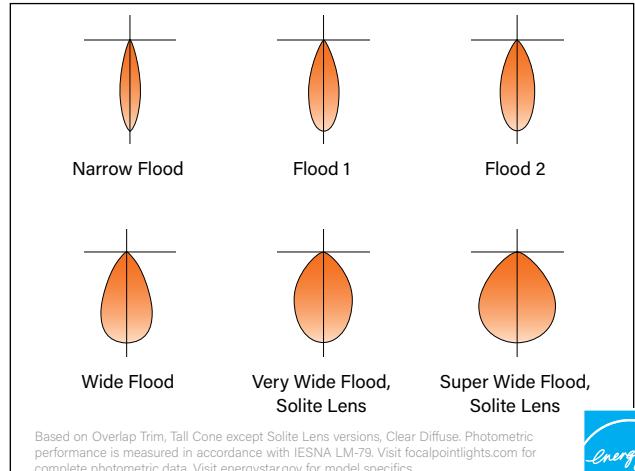
Tunable White: Supports human activity, well-being, and preferences with a light quality that evolves throughout the day.

Warm Dim: Lighting that enhances spaces with a warm glow, reminiscent of incandescent or halogen light sources.

PoE compatible: Integrates with Power over Ethernet lighting systems via standard, low-voltage wires.

Available with The Naturals, a series of finishes that exude biophilic beauty.

## DISTRIBUTIONS

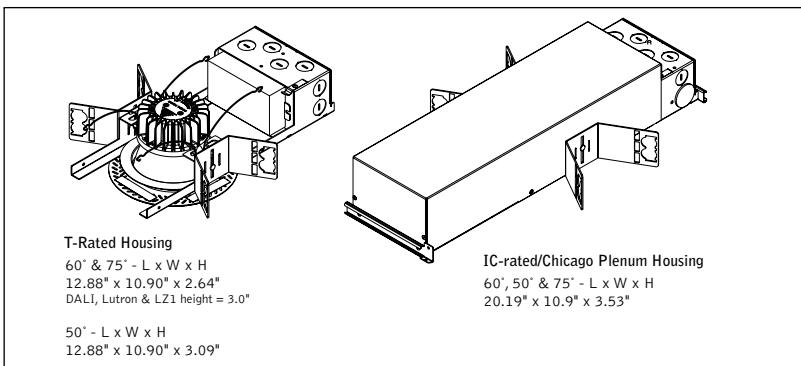


Based on Overlap Trim, Tall Cone except Solite Lens versions, Clear Diffuse. Photometric performance is measured in accordance with IESNA LM-79. Visit focalpointlights.com for complete photometric data. Visit energystar.gov for model specifics.



fixture:

project:

**STANDARD WHITE HOUSING DETAILS****3.5" ROUND DOWNLIGHT OPTICS**

| Optic | Cut-Off Degree | Trim Type | Distribution Beam Spread   Spacing Criteria |            |            |            |            |            |
|-------|----------------|-----------|---------------------------------------------|------------|------------|------------|------------|------------|
|       |                |           | NFL                                         | FL1        | FL2        | WFL        | VWFL       | SWFL       |
| DNT   | 50°            | Overlap   | 25°   0.42                                  | 37°   0.62 | 44°   0.72 | 59°   0.89 | 67°   1.02 | -          |
|       |                | Trimless  | 26°   0.54                                  | 37°   0.62 | 44°   0.76 | 58°   0.87 | -          | -          |
| DNS   | 60°            | Overlap   | 24°   0.42                                  | 34°   0.67 | 47°   0.81 | 54°   0.87 | 65°   0.99 | -          |
|       |                | Trimless  | 25°   0.42                                  | 37°   0.63 | 45°   0.75 | 56°   0.92 | -          | -          |
| DSS   | 75°            | Overlap   | -                                           | -          | -          | -          | 73°   1.07 | 91°   1.26 |
|       |                | Trimless  | -                                           | -          | -          | -          | 74°   1.07 | 91°   1.24 |

**3.5" ROUND DOWNLIGHT PERFORMANCE TABLES**

Based on Overlap, Tall Cone, Wide Flood, Clear Diffuse. Delivered lumen output may vary +/- 5%. Actual wattage may vary +/- 5%.

| STANDARD WHITE |              |                  |              |     |
|----------------|--------------|------------------|--------------|-----|
| CCT            | Lumen Output | Delivered Lumens | System Watts | LPW |
| 3500K, 80CRI   | 700L         | 721              | 8            | 90  |
|                | 900L         | 919              | 10           | 94  |
|                | 1100L        | 1112             | 12           | 96  |
|                | 1300L        | 1298             | 16           | 83  |
|                | 1500L        | 1484             | 17           | 85  |
|                | 1700L        | 1682             | 19           | 86  |
|                | 1900L        | 1909             | 22           | 87  |
|                | 2100L        | 2144             | 25           | 86  |

**STANDARD WHITE****HOUSING ORDERING****Housing Series**

ID+ 3.5" Round

FLC3D

Trim Type

Round Overlap

RO

Round Trimless

RT

Color Options

Standard White, 80 &amp; 90 CRI

High 97 CRI

SW

HC

Lumen Output

700L

700L

900L

900L

1100L

1100L

1300L

1300L

1500L

1500L

1700L

1700L

1900L

1900L

2100L

2100L

Voltage

120/277 Volt

UNV

(IC-rated housing: SW - 1700lm max, HC - 1500lm max.)

T-rated &amp; TW housings: SW - 1100lm max, HC - 900lm max.)

120V

277V

LV

Low Voltage

(IC-rated housing: SW - 1700lm max, HC - 1500lm max.)

T-rated &amp; TW housings: SW - 1100lm max, HC - 900lm max.)

**Control System & Dimming Level**

0-10V &lt;1% Dimming

0-10V - 1% Dimming

0-10V - 10% Dimming

Low Voltage, PoE Compatible

(No driver. Not available with EMR, LV voltage only.)

Forward Phase (120V only)

Lutron Hi-Lume EcoSystem (LDEI) - 1% Dimming

DALI &lt;1% Dimming

DALI - 1% Dimming

**Housing Type**

IC - Airtight

T - Airtight

Thermally Protected, Non-IC / Airtight

Thermally Protected, Non-IC Wood

(Trimless only. Wood kit required)

**Factory Options**

Bar Hangers

Chicago Plenum

EMR

Emergency Battery - Remote test switch\*

(Overlap trim only. Not available with CP or

IC-rated housing. Above ceiling access required.)

Outdoor Rated\*\*

OD

(LD1 driver and T-rated housing only. Not available with CP or EMR.

See dimming performance table on page 5.)

**TRIM & LED MODULE****Aperture**

3.5" Round Reflector

LC3

Trim Type

Round Overlap

RO

Round Die-Cast Overlap (DSS only)

Round Trimless

RT

Round Die-Cast Trimless (DSS only)

**Color Options**

Standard White, 80 &amp; 90 CRI

High 97 CRI

SW

HC

Lumen Output

700L

700L

900L

900L

1100L

1100L

1300L

1300L

1500L

1500L

1700L

1700L

1900L

1900L

2100L

2100L

Color Temperature

(Add 9 for 90 CRI or H for 97 CRI. Leave blank for 80 CRI.

Examples: 2700K, 97 CRI = H27K, 2700K, 80 CRI = 27K)

2700K, 80/90/97+ CRI

27K

3000K, 80/90/97+ CRI

30K

3500K, 80/90/97+ CRI

35K

4000K, 80/90/97+ CRI

40K

Optic

Tall Cone with 50° cut-off

Short Cone with 60° cut-off

Super Short Cone with Solite Lens 75° cut-off

(Die-cast trims only. VWFL or SWFL only)

**Distribution**

Narrow Flood

Flood 1

Flood 2

Wide Flood

Very Wide Flood (Overlap all optics. Trimless DSS only)

Super Wide Flood (DSS only)

**Finish**

(See finishes page for The Naturals options available on DSS optic only.)

Clear Diffuse

Warm Diffuse

Black

White

**Optional Flange Finish**

(Overlap CD &amp; WD finish only) (For matching finishes leave blank)

Black Painted

White Painted

**ACCESSORIES**

Trimless Wood Ceiling Installation Kit

(One kit recommended per 10 downlights)

LC3-

WOOD-KIT



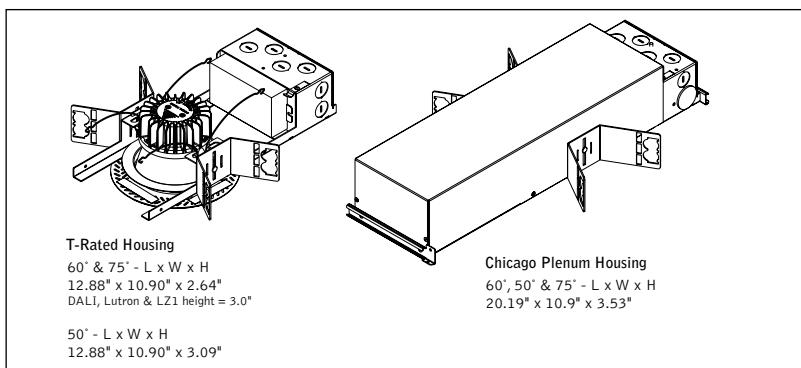
5/10 DAY\* Options in orange qualify for the Quickship program. All options 5-day up to 200 pieces except Emergency Battery 10-day only.

Focal Point LLC reserves the right to change specifications for product improvement without notification.

fixture:

project:

## WARM DIM HOUSING DETAILS



## 3.5" ROUND DOWNLIGHT OPTICS

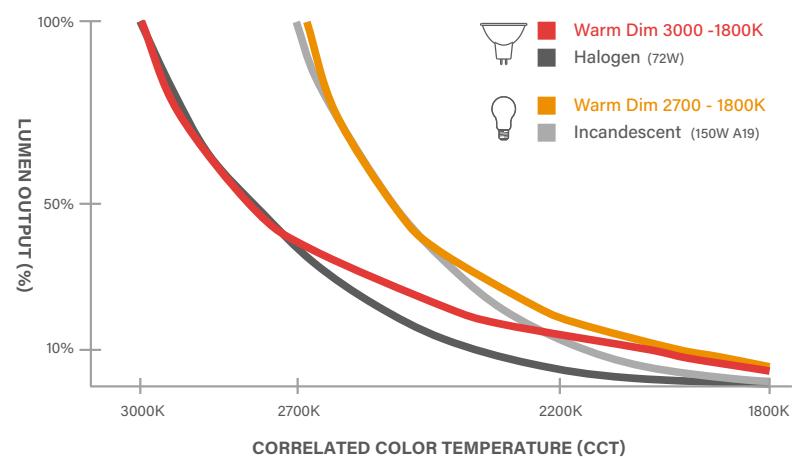
| Optic | Cut-Off Degree | Trim Type | Distribution Beam Spread   Spacing Criteria |            |            |            |            |            |
|-------|----------------|-----------|---------------------------------------------|------------|------------|------------|------------|------------|
|       |                |           | NFL                                         | FL1        | FL2        | WFL        | VWFL       | SWFL       |
| DNT   | 50°            | Overlap   | 25°   0.42                                  | 37°   0.62 | 44°   0.72 | 59°   0.89 | 67°   1.02 | -          |
|       |                | Trimless  | 26°   0.54                                  | 37°   0.62 | 44°   0.76 | 58°   0.87 | -          | -          |
| DNS   | 60°            | Overlap   | 24°   0.42                                  | 34°   0.67 | 47°   0.81 | 54°   0.87 | 65°   0.99 | -          |
|       |                | Trimless  | 25°   0.42                                  | 37°   0.63 | 45°   0.75 | 56°   0.92 | -          | -          |
| DSS   | 75°            | Overlap   | -                                           | -          | -          | -          | 73°   1.07 | 91°   1.26 |
|       |                | Trimless  | -                                           | -          | -          | -          | 74°   1.07 | 91°   1.24 |

## 3.5" ROUND DOWNLIGHT PERFORMANCE TABLE

Based on Overlap, Tall Cone, Wide Flood, Clear Diffuse. Delivered lumen output may vary +/- 5%. Actual wattage may vary +/- 5%

| WD WARM DIM  |              |                  |              |     |
|--------------|--------------|------------------|--------------|-----|
| CCT Range    | Lumen Output | Delivered Lumens | System Watts | LPW |
| 2700 - 1800K | 1500L        | 1524             | 25           | 61  |
| 3000 - 1800K | 1500L        | 1555             | 25           | 61  |

The 3000K to 1800K and 2700K to 1800K ranges mimic the black body curves of halogen and incandescent light sources, respectively.



WARM DIM

HOUSING ORDERING

Housing Series

ID+ 3.5" Round

FLC3D

Trim Type

Round Overlap

RO

Round Trimless

RT

Color Options

Warm Dim

WDM

Lumen Output

1500 Lumen

1500L

Voltage

120V

120

277V

277

Control System &amp; Dimming Level

0-10V &lt;1% Dimming

0-10V - 1% Dimming

0-10V - 10% Dimming

Forward Phase (120V only)

LZ1

L11

LD1

LFP

Lutron Hi-Lume EcoSystem (LDE1) - 1% Dimming

DALI &lt;1% Dimming

DALI - 1% Dimming

DZ1

D11

Housing Type

Thermally Protected, Non-IC / Airtight

Thermally Protected, Non-IC Wood

(Trimless only. Wood kit required)

T

TW

Factory Options

Bar Hangers

BH

Chicago Plenum

CP

Outdoor Rated \*\*

OD

(LD1 driver and T-rated housing only. Not available with CP. See dimming performance table on page 5.)

## TRIM &amp; LED MODULE

Aperture

3.5" Round Reflector

LC3

Trim Type

Round Overlap

RO

Round Die-Cast Overlap (DSS only)

RDO

Round Trimless

RT

Round Die-Cast Trimless (DSS only)

RDT

Color Options

Warm Dim

WDM

Lumen Output

1500 Lumen

1500L

Color Temperature

Warm Dim: 2700-1800K, 90+ CRI

92718W

Warm Dim: 3000-1800K, 90+ CRI

93018W

Optic

Tall Cone with 50° cut-off

DNT

Short Cone with 60° cut-off

DNS

Super Short Cone with Solite Lens 75° cut-off (Die-cast trims only)

DSS

Distribution

Narrow Flood

NFL

Flood 1

FL1

Flood 2

FL2

Wide Flood

WFL

Very Wide Flood (Overlap all optics. Trimless DSS only)

VWFL

Super Wide Flood (DSS only)

SWFL

Finish

(See finishes page for The Naturals options available on DSS optic only)

CD

WD

BK

WH

## Optional Flange Finish

(Overlap CD &amp; WD finish only) (For matching finishes leave blank)

BP

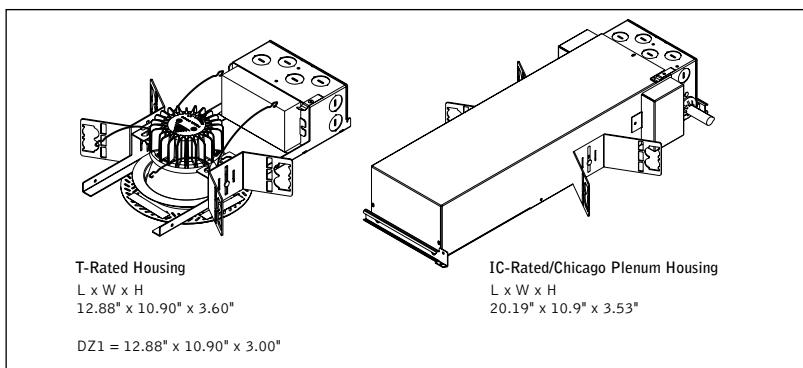
WP

## ACCESSORIES

Trimless Wood Ceiling Installation Kit  
(One kit recommended per 10 downlights)LC3-  
WOOD-KIT

fixture:

project:

**TUNABLE WHITE HOUSING DETAILS****3.5" ROUND DOWNLIGHT OPTICS**

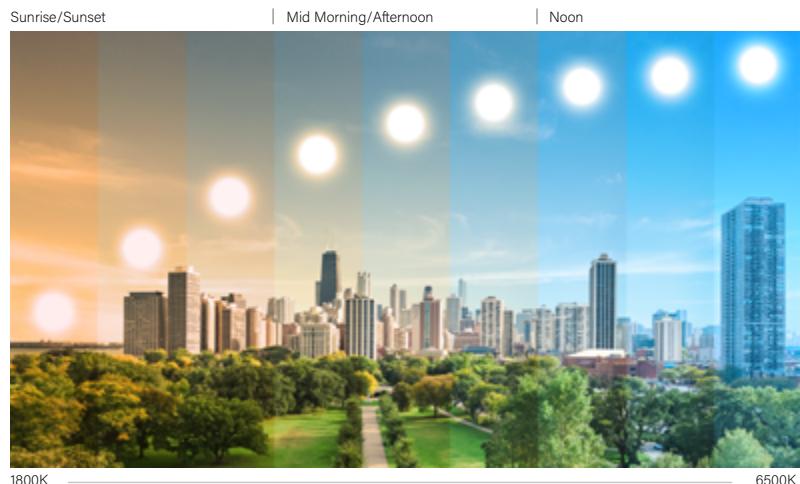
| Optic | Cut-Off Degree | Trim Type | Distribution Beam Spread   Spacing Criteria |            |            |            |            |            |
|-------|----------------|-----------|---------------------------------------------|------------|------------|------------|------------|------------|
|       |                |           | NFL                                         | FL1        | FL2        | WFL        | VWFL       | SWFL       |
| DNT   | 50°            | Overlap   | 25°   0.42                                  | 37°   0.62 | 44°   0.72 | 59°   0.89 | 67°   1.02 | -          |
|       |                | Trimless  | 26°   0.54                                  | 37°   0.62 | 44°   0.76 | 58°   0.87 | -          | -          |
| DNS   | 60°            | Overlap   | 24°   0.42                                  | 34°   0.67 | 47°   0.81 | 54°   0.87 | 65°   0.99 | -          |
|       |                | Trimless  | 25°   0.42                                  | 37°   0.63 | 45°   0.75 | 56°   0.92 | -          | -          |
| DSS   | 75°            | Overlap   | -                                           | -          | -          | -          | 73°   1.07 | 91°   1.26 |
|       |                | Trimless  | -                                           | -          | -          | -          | 74°   1.07 | 91°   1.24 |

**3.5" ROUND DOWNLIGHT PERFORMANCE TABLES**

Based on Overlap, Tall Cone, Wide Flood, Clear Diffuse. Delivered lumen output may vary +/- 5%. Actual wattage may vary +/- 5%

| TW TUNABLE WHITE                      |              |                  |              |     |
|---------------------------------------|--------------|------------------|--------------|-----|
| CCT                                   | Lumen Output | Delivered Lumens | System Watts | LPW |
| 2700K<br>(2700-5000K &<br>2700-6500K) | 700L         | 700              | 13           | 53  |
|                                       | 900L         | 906              | 17           | 54  |
|                                       | 1100L        | 1095             | 20           | 54  |
|                                       | 1300L        | 1306             | 25           | 53  |
| 1800K<br>(1800-4000K)                 | 700L         | 701              | 20           | 36  |
|                                       | 900L         | 898              | 25           | 37  |

The Comfort (1800K-4000K), Preference (2700K-5000K), and Activity (2700K-6500K) ranges give specifiers the tools to enhance spaces, mood, and alertness.

**DAYLIGHT RANGE****TUNABLE WHITE****HOUSING ORDERING**Housing Series  
ID+ 3.5" Round FLC3DTrim Type  
Round Overlap RO  
Round Trimless RTColor Options  
Tunable White: 1800-4000K  
(900L max. T-rated housings only) 1840T  
Tunable White: 2700-5000K 2750T  
Tunable White: 2700-6500K 2765TLumen Output  
700 Lumen 700L  
900 Lumen 900L  
1100 Lumen 1100L  
1300 Lumen 1300LVoltage  
120/277 Volt UNV  
(2705T & 2765T only. IC housing only)  
120V 120  
277V 277  
Low Voltage LV  
(2705T & 2765T only IC housing only)**Control System & Dimming Level**0-10V <1% Dimming  
DALI <1% Dimming LZ1  
DZ1

(Default driver offers DT6 control. It requires two addresses, one for intensity &amp; one for CCT tuning. Consult factory for DT8. Extended lead time apply.)

Low Voltage, PoE Compatible LVN  
(No driver. Not available with EMR. LV voltage only)Housing Type  
IC Rated / Airtight IC  
(700L only. 2750T or 2765T only)Thermally Protected, Non-IC / Airtight T  
Thermally Protected, Non-IC Wood TW  
(Trimless only. Wood kit required)**Factory Options**Bar Hangers BH  
Chicago Plenum CP  
(2750T & 2765T: 1100L max. 1840T: 700L only)Emergency Battery - Remote test switch EMR  
(Overlap trim only. Not available with CP or IC-rated housing. Above ceiling access required.)**TRIM & LED MODULE**Aperture  
3.5" Round Reflector LC3Trim Type  
Round Overlap RO  
Round Die-Cast Overlap (DSS only) RDO  
Round Trimless RT  
Round Die-Cast Trimless (DSS only) RDTColor Options  
(Trim & housing must match)  
Tunable White: 1800-4000K 1840T  
Tunable White: 2700-5000K 2750T  
Tunable White: 2700-6500K 2765TLumen Output  
(Trim & housing must match)  
700 Lumen 700L  
900 Lumen 900L  
1100 Lumen 1100L  
1300 Lumen 1300LColor Temperature  
Tunable White: 1800-4000K, 90+ CRI 91840T  
Tunable White: 2700-5000K, 90+ CRI 92750T  
Tunable White: 2700-6500K, 90+ CRI 92765TOptic  
Tall Cone with 50° cut-off DNT  
Short Cone with 60° cut-off DNS  
Super Short Cone with Solite Lens 75° cut-off DSS  
(Die-cast trims only)Distribution  
Narrow Flood NFL  
Flood 1 FL1  
Flood 2 FL2  
Wide Flood WFL  
Very Wide Flood VWFL  
Super Wide Flood SWFLFinish  
(See finishes page for The Naturals options available on DSS optic only)  
Clear Diffuse CD  
Warm Diffuse WD  
Black BK  
White WHOptional Flange Finish  
(Overlap CD & WD finish only) (For matching finishes leave blank)  
Black Painted BP  
White Painted WP**ACCESSORIES**Trimless Wood Ceiling Installation Kit LC3-  
WOOD-KIT

## HOUSING SPECIFICATIONS

### Construction

Thermally protected housing for new construction applications. Insulation to be kept 3" away from housing. Type IC inherently protected, suitable for direct contact with insulation. Restrictive airflow per ASTM-E283. Butterfly brackets allow mounting to 12" emt. Order bar hangers as an accessory. Die-cast aluminum heat sink designed for maximum thermal dissipation. Die-formed housing and integral junction box with (7) 1/2" pry outs. Accommodates ceiling thicknesses up to 0.5" standard, field adjustable up to 1.5" thickness. For thicker ceiling consult factory. Fixture will not exceed 5 lb. Trim is inherently airtight and may be used to obtain airtight rating when used with IC-rated or thermally protected, non-IC (T) housings.

### Electrical

Choice of constant current dimming drivers. Power factor >.9 typical. PoE compatible: Integrates with Power over Ethernet lighting systems via standard, low-voltage wires.

### Emergency

Above ceiling access required. Overlap trim only. Emergency output - 7W for 90 minutes. Maximum mounting height — Clear Diffuse & White: 22.5ft. Black & Warm Diffuse: 15.3ft.

### Labels

UL and cUL Listed. Suitable for Dry, Damp or Wet Locations, indoor use only. Specify Outdoor rated (OD) for outdoor recessed ceiling applications.

### Outdoor Rated (OD) Driver Dimming Performance table

| Lumen Output | Minimum Dimming Level |
|--------------|-----------------------|
| 700L         | 20%                   |
| 900L         | 16%                   |
| 1100L        | 13%                   |
| 1300L        | 10%                   |
| 1500L        | 10%                   |
| 1700L        | 10%                   |
| 1900L        | 10%                   |
| 2100L        | 10%                   |

### Lumen Maintenance

Reported: L70 at >55,000 hours  
L90 at >55,000 hours

Calculated: L70 at 204,000 hours  
L90 at 59,000 hours

Derived from EPA TM-21 calculator. Based on typical conditions, consult factory for additional data.

### Reliability

At Focal Point, our products are designed to stand the test of time. Each luminaire is engineered using superior components, manufactured with the utmost care and rigorously tested. Contact us for reliability data.

### Warranty

LED System rated for operation in ambient environments up to 25°C. 5-year limited warranty. Fixture with Outdoor rated option must be installed in a covered ceiling and is warranted for operation in ambient environments between -20°C to +40°C.

## TRIM & LED SPECIFICATIONS

### LED System

Proprietary array incorporates premium LEDs on a robust platform. May be specified in 2700K, 3000K, 3500K or 4000K, Warm Dimming (2700K-1800K and 3000K-1800K), or Tunable White (1800K-4000K, 2700K-5000K and 2700K-6500K), CRI>80, >90 or 97. Color accuracy within 2 SDCM (Warm Dimming from 3-5 SDCM). 3500K and 4000K with CRI>90 have a cyanosis observation index (COI) of 3.3 or less. Aluminum heat sink provides appropriate thermal management.

### Aesthetics

Parabolic reflector cone ensures glare free optics. DNT & DNS reflector is .050 spun aluminum. DSS reflector is die-cast aluminum. Trims are self-flanged. Non-painted trim matches reflector finish. Painted flange may also be specified. The Naturals: 100% low VOC vinyl available with DSS only.

### Optics

50-degree, 60-degree or 75-degree cut-off to light source and its image.

# Declare.

## ID+ 3.5" Downlights

Focal Point, LLC

Final Assembly: Chicago, Illinois, USA

Life Expectancy: 10 Year(s)

End of Life Options: Recyclable (55%), Landfill (45%)

### Ingredients:

UNS G10080 Steel Alloy; Small Electrical Components - RoHS Compliant<sup>1</sup>; Aluminum Alloy A380; Steel manufacture, chemicals; Carbonyl dichloride, polymer with 4,4'-(1-methylethylidene)bis[phenol], 4-(1-methyl-1-phenylethyl)phenyl ester; Copper; Zinc; **Polyvinyl chloride**; Poly[imino(1,6-dioxo-1,6-hexanediyl)imino]-1,6-hexanediyl]; Polymethyl methacrylate; Steel, carbon; Glass, oxide, chemicals; Carbon black; Titanium dioxide; Polyethylene; Polypropylene; **Benzene, ethenyl-, homopolymer, brominated; Bis(pentabromophenyl) ether (Decabromodiphenyl ether) (DecaBDE)**; UNS S30400 Stainless Steel Alloy; Polyethylene Terephthalate/Polybutylene Terephthalate; Polydimethylsiloxane rubber; Silica, amorphous, fumed, cryst.-free; Di(2-ethylhexyl) terephthalate; Antimony oxide (Antimony trioxide); Calcium carbonate; Clay; Phenol, 4,4'-(1-methylethylidene)bis[2,6-dibromo-, polymer with (chloromethyl)oxirane and 4,4'-(1-methylethylidene)bis[phenol]]; Aluminum hydroxide; Nylon 6; **Tris (2-chloroethyl) phosphate (TCEP)**

<sup>1</sup>LBC Temp Exception RL-002 - Small Electrical Components

### Living Building Challenge Criteria:

#### 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

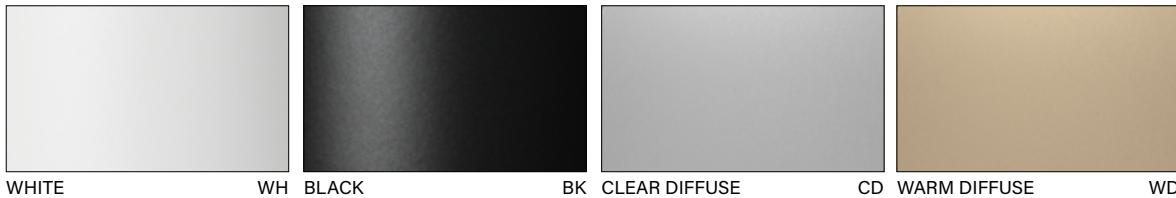
FPL-0007  
EXP. 01 FEB 2027  
Original Issue Date: 2024

MANUFACTURER RESPONSIBLE FOR LABEL ACCURACY  
INTERNATIONAL LIVING FUTURE INSTITUTE™ [living-future.org/declare](http://living-future.org/declare)

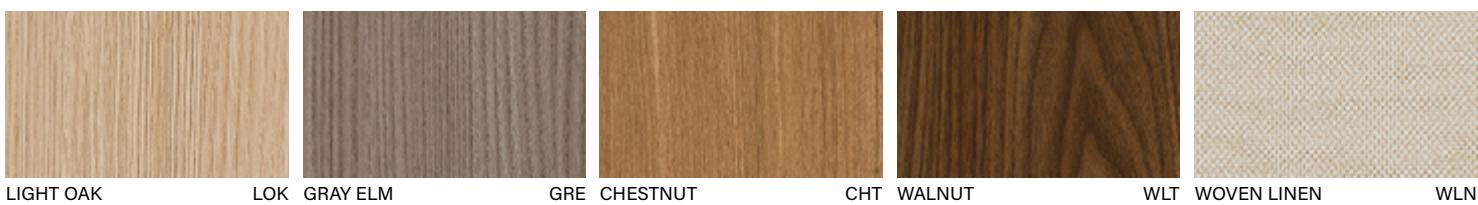
# Finishes



## STANDARD FINISHES



**THE NATURALS (25% SCALE)** - Available with Super Short Cone (DSS) only



## Color Lumen Multipliers

| CRI | STANDARD WHITE CCT |      |      |      | WARM DIM CCT RANGES |            | TUNABLE WHITE CCT RANGES |            |            |
|-----|--------------------|------|------|------|---------------------|------------|--------------------------|------------|------------|
|     | 2700               | 3000 | 3500 | 4000 | 2700-1800K          | 3000-1800K | 1800-4000K               | 2700-5000K | 2700-6500K |
| 80+ | 0.92               | 0.98 | 1.00 | 1.01 | -                   | -          | -                        | -          | -          |
| 90+ | 0.79               | 0.83 | 0.82 | 0.84 | 1.02                | 1.04       | 1.00                     | 1.00       | 1.00       |
| 97  | 0.67               | 0.72 | 0.73 | 0.76 | -                   | -          | -                        | -          | -          |

## Distribution Lumen Multipliers

| Trim Type                     | Optic                                                    | Distribution            | Multiplier |
|-------------------------------|----------------------------------------------------------|-------------------------|------------|
| Round Trimless [RT]           | Tall Cone with 50° cut-off [DNT]                         | Narrow Flood [NFL]      | 1.12       |
|                               |                                                          | Flood 1 [FL1]           | 0.92       |
|                               |                                                          | Flood 2 [FL2]           | 1.06       |
|                               |                                                          | Wide Flood [WFL]        | 0.92       |
|                               | Short Cone with 60° cut-off [DNS]                        | Narrow Flood [NFL]      | 0.99       |
|                               |                                                          | Flood 1 [FL1]           | 0.96       |
|                               |                                                          | Flood 2 [FL2]           | 0.92       |
|                               |                                                          | Wide Flood [WFL]        | 0.95       |
| Round Overlap [RO]            | Tall Cone with 50° cut-off [DNT]                         | Narrow Flood [NFL]      | 0.97       |
|                               |                                                          | Flood 1 [FL1]           | 0.94       |
|                               |                                                          | Flood 2 [FL2]           | 1.09       |
|                               |                                                          | Wide Flood [WFL]        | 1.02       |
|                               | Short Cone with 60° cut-off [DNS]                        | Very Wide Flood [VWFL]  | 1.02       |
|                               |                                                          | Narrow Flood [NFL]      | 0.98       |
|                               |                                                          | Flood 1 [FL1]           | 1.17       |
|                               |                                                          | Flood 2 [FL2]           | 1.11       |
| Round Die-Cast Trimless [RDT] | Super Short Cone with Solite Lens with 75° cut-off [DSS] | Wide Flood [WFL]        | 1.09       |
|                               |                                                          | Very Wide Flood [VWFL]  | 1.07       |
|                               | Super Short Cone with Solite Lens with 75° cut-off [DSS] | Very Wide Flood [VWFL]  | 1.00       |
|                               |                                                          | Super Wide Flood [SWFL] | 0.95       |
| Round Die-Cast Overlap [RDO]  | Super Short Cone with Solite Lens with 75° cut-off [DSS] | Very Wide Flood [VWFL]  | 0.96       |
|                               |                                                          | Super Wide Flood [SWFL] | 0.90       |

## Color Lumen Multipliers

| Trim Type                                                        | Optic                                                    | Color              | Multiplier |
|------------------------------------------------------------------|----------------------------------------------------------|--------------------|------------|
| Round Trimless [RT] and Round Overlap [RO]                       | Tall Cone with 50° cut-off [DNT]                         | Clear Diffuse [CD] | 1.00       |
|                                                                  |                                                          | Warm Diffuse [WD]  | 0.92       |
|                                                                  |                                                          | White [WH]         | 1.09       |
|                                                                  |                                                          | Black [BK]         | 0.46       |
|                                                                  | Short Cone with 60° cut-off [DNS]                        | Clear Diffuse [CD] | 1.00       |
|                                                                  |                                                          | Warm Diffuse [WD]  | 0.96       |
|                                                                  |                                                          | White [WH]         | 1.12       |
|                                                                  |                                                          | Black [BK]         | 0.62       |
| Round Die-Cast Trimless [RDT] -and- Round Die-Cast Overlap [RDO] | Super Short Cone with Solite Lens with 75° cut-off [DSS] | Clear Diffuse [CD] | 1.00       |
|                                                                  |                                                          | Warm Diffuse [WD]  | 0.97       |
|                                                                  |                                                          | White [WH]         | 1.16       |
|                                                                  |                                                          | Black [BK]         | 0.86       |

## How To Use Lumen Multipliers

### Formula:

(Lumen Output Value) x (Color Temperature & CRI) x (Distribution) x (Color)

### Example:

LC3-RO-SW-1100L-935K-DNS-FL1-WH  
(1100) x (0.81) x (1.17) x (1.12) ≈ 1167lm (estimated delivered lumens)

Multiplier charts are provided to aid with estimation of lumen levels across options. Apply multipliers against ordered Lumen Output to estimate Delivered Lumens. An estimation should make use of all tables through consecutive application of three multipliers. Refer to IES files for most accurate photometric information.