

ID+ 3.5" Trimless

LED WALL WASH



clear diffuse



warm diffuse



black painted



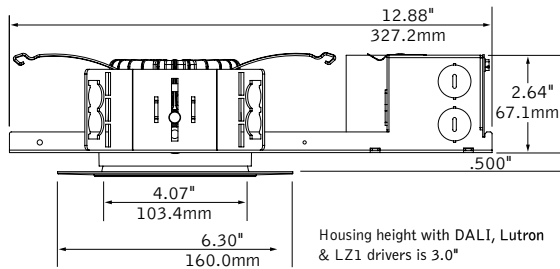
white painted



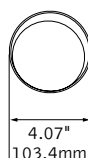
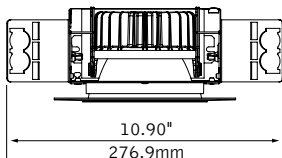
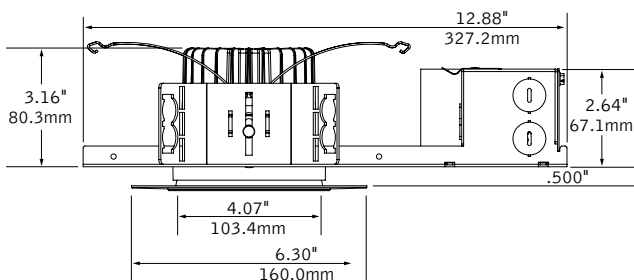
overlap
companion

DIMENSIONAL DATA

60° cut-off reflector



50° cut-off reflector



FEATURES

Less than 2.64" low profile housing available.

Field adjustability of ceiling thickness from 0.5" - 1.5".

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

Outdoor rating permits use in outdoor covered ceiling applications.

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

PERFORMANCE

PRODUCT OVERVIEW

| | |
|---------------|------------|
| Lumen Output: | 700-1500lm |
| Wattage: | 9-20W |
| LPW: | 64-74 |
| SDCM: | 2 |

Short 60° Cut-off, Wall Wash,
Clear Diffuse, 3500K

Lumen Output: 1500lm

Total System Watts: 20W

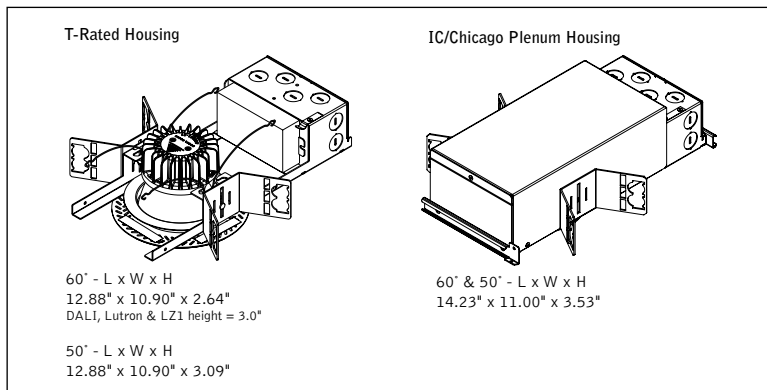


Photometric performance is measured in accordance with IESNA LM-79.
Visit focalpointlights.com for complete photometric data. Visit energystar.gov for model specifics.

fixture:

project:

HOUSING DETAILS



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 1/2" 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.

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. For Emergency Battery option see [downlight overlap companion](#).

Labels

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

Lumen Maintenance

Reported: L70 at >55,000 hours Calculated: L70 at 420,000 hours
L90 at >55,000 hours L90 at 109,000 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, CRI>80 or >90. Color accuracy within 2 SDCM. Aluminum heat sink provides appropriate thermal management.

Aesthetics

Parabolic reflector cone ensures glare free optics. Reflector is .050 spun aluminum.

Optics

50-degree or 60-degree cut-off to light source and its image. Wall wash features acrylic diffuser to provide smooth illumination down the wall.

PERFORMANCE TABLE - see page 3.

HOUSING ORDERING

| Housing Series | FLC3W |
|--|--------------|
| ID+ 3.5" Round | FLC3W |
| Trim Type | RT |
| Round Trimless | RT |
| Lumen Output | |
| 700 Lumen | 700L |
| 900 Lumen | 900L |
| 1100 Lumen | 1100L |
| 1300 Lumen | 1300L |
| 1500 Lumen | 1500L |
| Voltage | |
| 120V | 120 |
| 277V | 277 |
| Low Voltage | LV |
| Control System & Dimming Level | |
| 0-10V - 0% Dimming | LZ1 |
| 0-10V - 1% Dimming | L11 |
| 0-10V - 10% Dimming | LD1 |
| Low Voltage, PoE compatible (No driver. LV Voltage only.) | LVN |
| Forward Phase (120V only. 900 & 1300 Lumens only.) | LFP |
| Lutron Hi-Lume EcoSystem (LDE1) - 1% Dimming (700 & 1500 lumens not available.) | LH1 |
| Lutron 5-Series EcoSystem (LDE5) - 5% Dimming (1300 Lumens only) | LU5 |
| Lutron Hi-Lume - Forward Phase - 1% Dimming (120V only. 1500 lumens not available.) | LTE |
| DALI - 0% Dimming | DZ1 |
| DALI - 1% Dimming | D11 |
| Housing Type | |
| IC Rated / Airtight (Available options: L11, LD1 & LVN: 700 - 1100 Lumens. LFP: 900 & 1300 Lumens.) | IC |
| Thermally Protected, Non-IC | T |
| Thermally Protected, Non-IC Wood (Wood ceiling installation kit required) (T & TW: LVN: 900 Lumens max. Housing height = 3.0" for LZ1, L3D, LH1, LTE, LU5, D11 & DZ1) | 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 3.) | |
| TRIM & LED MODULE | |
| Aperture | LC3 |
| 3.5" Round Reflector | LC3 |
| Trim Type | RT |
| Round Trimless | RT |
| Lumen Output | |
| (Trim & housing output must match) | |
| 700 Lumen | 700L |
| 900 Lumen | 900L |
| 1100 Lumen | 1100L |
| 1300 Lumen | 1300L |
| 1500 Lumen | 1500L |
| Color Temperature | |
| 2700K, 80+ CRI or 90+ CRI | 27K or 927K |
| 3000K, 80+ CRI or 90+ CRI | 30K or 930K |
| 3500K, 80+ CRI or 90+ CRI | 35K or 935K |
| 4000K, 80+ CRI or 90+ CRI | 40K or 940K |
| Optic | |
| Tall Cone with 50° cut-off | WWT |
| Short Cone with 60° cut-off | WWS |
| Color | |
| Clear Diffuse | CD |
| Warm Diffuse | WD |
| Black | BK |
| White | WH |
| ACCESSORIES | |
| Wood Ceiling Installation Kit (One kit recommended per 10 downlights) | LC3-WOOD-KIT |

ROUND WALL WASH PERFORMANCE TABLE

| Lumen Output | Delivered Lumens | System Watts | LPW |
|--------------|------------------|--------------|-----|
| 700L | 637 | 9 | 74 |
| 900L | 777 | 11 | 73 |
| 1100L | 964 | 15 | 64 |
| 1300L | 1121 | 18 | 64 |
| 1500L | 1279 | 20 | 65 |

Based on Trimless, Short Cone, 3500K, 80CRI, Wide Flood, Clear Diffuse.
Delivered lumen output may vary +/- 5%. Actual wattage may vary +/- 5%

OUTDOOR RATED (OD) DRIVER DIMMING PERFORMANCE TABLE

| Lumen Output | Minimum Dimming Level |
|--------------|-----------------------|
| 700L | 37% |
| 900L | 29% |
| 1100L | 23% |
| 1300L | 19% |
| 1500L | 17% |

ROUND WALL WASH LUMEN MULTIPLIER TABLE

Color Temperature & CRI

| Trim Type | Optic | Color Temperature | Multiplier |
|-----------|-------|-----------------------|------------|
| ALL | ALL | 2700K, 80+ CRI [27K] | 0.93 |
| | | 2700K, 90+ CRI [927K] | 0.75 |
| | | 3000K, 80+ CRI [30K] | 0.93 |
| | | 3000K, 90+ CRI [930K] | 0.81 |
| | | 3500K, 80+ CRI [35K] | 1.00 |
| | | 3500K, 90+ CRI [935K] | 0.81 |
| | | 4000K, 80+ CRI [40K] | 1.00 |
| | | 4000K, 90+ CRI [940K] | 0.87 |

Distribution

| Trim Type | Optic | Distribution | Multiplier |
|---------------------|-----------------------------------|--------------|------------|
| Round Trimless [RT] | Tall Cone with 50° cut-off [WWT] | Wall Wash | 0.92 |
| | Short Cone with 60° cut-off [WWS] | Wall Wash | 0.85 |
| Round Overlap [RO] | Tall Cone with 50° cut-off [WWT] | Wall Wash | 0.85 |
| | Short Cone with 60° cut-off [WWS] | Wall Wash | 0.84 |

Color

| Trim Type | Optic | Color | Multiplier |
|--|--|--------------------|------------|
| Round Trimless [RT] and Round Overlap [RO] | Tall Cone with 50° cut-off [WWT] and Short Cone with 60° cut-off [WWS] | Clear Diffuse [CD] | 1.00 |
| | | Warm Diffuse [WD] | 1.03 |
| | | White [WH] | 1.16 |
| | | Black [BK] | 0.79 |

Multiplier tables are provided to aid with estimation of lumen levels across options. Apply multipliers against ordered Lumen Output to estimate Delivered Lumens. Refer to IES files for most accurate photometric information.

How To Use Lumen Multipliers

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

Example: LC3-RT-1100L-935K-WWS-WH
(1100) x (0.81) x (0.85) x (1.16) ≈ 879 lm (estimated delivered lumens)

ID+ 3.5" Trimless

LED WALL WASH

WALL WASH DESIGN GUIDE - 1500 LUMEN EXAMPLE

| Distance from ceiling | Footcandles | | | | | | | | | | | |
|--------------------------|-----------------------|----|----|-------------------------|----|----|-----------------------|----|----|---------|----|----|
| | Fixtures 3' from Wall | | | Fixtures 3.5' from Wall | | | Fixtures 4' from Wall | | | | | |
| | 3' OC | | | 3.5' OC | | | 3' OC | | | 3.5' OC | | |
| 1' 0" | 3" | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 2 | 2 | 2 |
| | 6" | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 3 | 3 | 3 |
| | 9" | 5 | 5 | 5 | 4 | 4 | 4 | 4 | 4 | 4 | 3 | 3 |
| | 12" | 5 | 5 | 5 | 4 | 4 | 4 | 4 | 4 | 3 | 4 | 3 |
| 2' | | 11 | 11 | 11 | 9 | 10 | 9 | 9 | 9 | 8 | 7 | 7 |
| 3' | | 16 | 16 | 16 | 13 | 14 | 14 | 13 | 13 | 13 | 11 | 11 |
| 4' | | 18 | 18 | 18 | 15 | 16 | 16 | 15 | 15 | 15 | 13 | 13 |
| 5' | | 18 | 18 | 18 | 15 | 16 | 16 | 16 | 16 | 16 | 14 | 14 |
| 6' | | 17 | 17 | 17 | 15 | 15 | 15 | 16 | 16 | 16 | 14 | 14 |
| 7' | | 15 | 15 | 15 | 13 | 13 | 13 | 15 | 15 | 15 | 13 | 13 |
| 8' | | 14 | 14 | 14 | 12 | 12 | 12 | 14 | 14 | 14 | 12 | 12 |
| 9' | | 13 | 12 | 12 | 11 | 11 | 11 | 12 | 13 | 12 | 11 | 11 |
| 10' | | 11 | 11 | 10 | 9 | 9 | 9 | 10 | 11 | 10 | 9 | 9 |

