

ID+ 2.5"

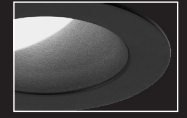
OVERLAP & TRIMLESS LED WALL WASH



Clear diffuse



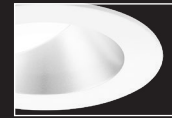
Warm diffuse



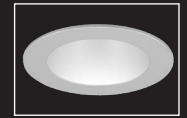
Black painted



White painted

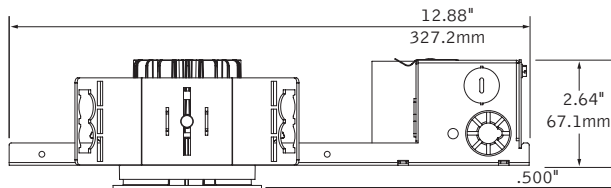


Optional painted flanges

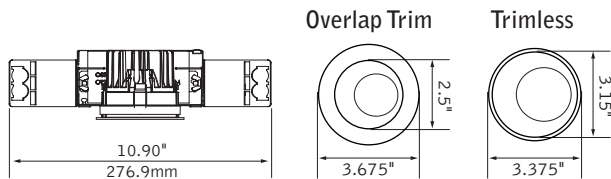


Downlight companion

DIMENSIONAL DATA



Field adjustability of ceiling thickness from 0.5" - 1.5"
Housing height with DALI, Lutron & LZ1 drivers is 3.0"



FEATURES

Less than 2.64" low profile housing available.

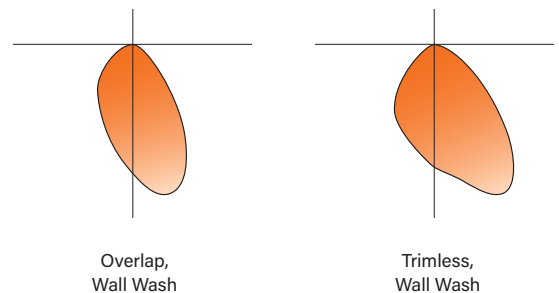
60° cut-off reflector.

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.

Configurations available for Title 24 JA8 High Efficacy Lighting compliance.

DISTRIBUTIONS

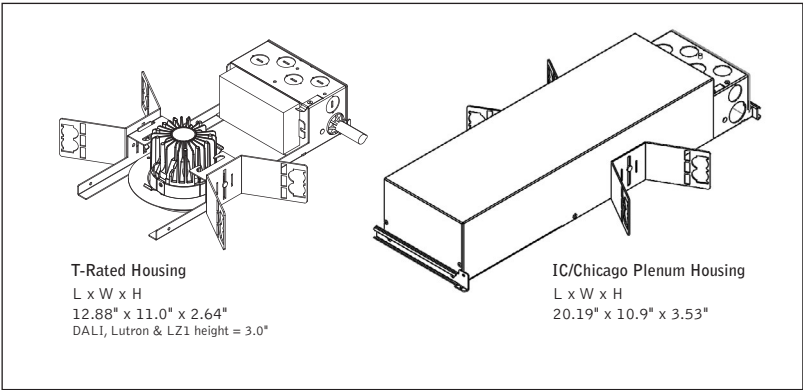


Photometric performance is measured in accordance with IESNA LM-79.
Visit focalpointlights.com for complete photometric data.

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. Trim is inherently airtight and may be used to obtain airtight rating when used with IC-rated or thermally protected, non-IC (T) housings. 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.

Labels

UL and cUL Listed. Suitable for Dry, Damp or Wet Locations, indoor use only. Specify Outdoor rated (OD) for outdoor recessed ceiling applications. Configurations available for Title 24 JA8 compliance, consult the JA8 High Efficacy Lighting Reference Guide for options. JA8 factory option must be specified to ensure Title 24 JA8 compliance.

Lumen Maintenance

Reported: L70 at >55,000 hours Calculated: L70 at 204,000 hours
L90 at >55,000 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 warrantied 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, or Warm Dimming (2700K-1800K and 3000K-1800K), CRI>80, >90 or 97. Color accuracy within 2 SDCM (Warm Dimming from 3-5 SDCM). Aluminum heat sink provides appropriate thermal management.

Aesthetics

Die-cast aluminum trims. Overlap trims are self-flanged.

Optics

Wall wash features three layers of acrylic diffusers and an optic to provide premier performance.

PERFORMANCE TABLE

| | Lumen Output | Delivered Lumens | System Watts | LPW |
|--|--------------|------------------|--------------|-----|
| | 500L | 401 | 16.5 | 24 |
| | 500L | 528 | 11.7 | 45 |
| | 700L | 729 | 18.4 | 40 |
| | 900L | 936 | 23.7 | 40 |

Based on Overlap, Short cone, 3500K, 80 CRI, Clear Diffuse. WDM based on 3000 - 1800K, 90 CRI.
Delivered lumen output may vary +/- 5%. Actual wattage may vary +/- 5%

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

HOUSING ORDERING

| Housing Series | FLC2W |
|---|------------------|
| ID+ 2.5" Round | FLC2W |
| Trim Type | |
| Round Overlap | RDO |
| Round Trimless | RDT |
| Color Options | |
| Standard White, 80 & 90 CRI | SW |
| High 97 CRI | HC |
| Warm Dim | WDM |
| (500L only. UNV & LV not available.) | |
| Lumen Output | |
| 500 Lumen | 500L |
| (Not available with LH1) | |
| 700 Lumen | 700L |
| 900 Lumen | 900L |
| (Not available with LZ1, DZ1, or D11) | |
| Voltage | |
| 120/277 Volt | UNV |
| (IC-rated housing: SW & HC: 700L max. T & TW housings: SW at 500L only.) | |
| 120V | 120 |
| 277V | 277 |
| Low Voltage | LV |
| (IC-rated housing: SW & HC: 700L max. T & TW housings: SW at 500L only.) | |
| Control System & Dimming Level | |
| 0-10V <1% Dimming | LZ1 |
| 0-10V - 1% Dimming | L11 |
| 0-10V - 10% Dimming | LD1 |
| Low Voltage, PoE Compatible | LVN |
| (No driver. LV voltage only.) | |
| Forward Phase (120V only) | LFP |
| Lutron Hi-Lume EcoSystem (LDE1) - 1% Dimming | LH1 |
| Lutron Hi-Lume - Forward Phase (120V) - 1% Dimming | LTE |
| DALI <1% Dimming | DZ1 |
| DALI - 1% Dimming | D11 |
| Housing Type | |
| IC Rated / Airtight (700L max.) | IC |
| Thermally Protected, Non-IC | T |
| Thermally Protected, Non-IC Wood | TW |
| (Trimless only. Wood kit required) | |
| 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.) | |
| Title 24 / JA8 Compliant | JA8 |
| (Consult JA8 Reference Guide for available options.) | |
| TRIM & LED MODULE | |
| Aperture | LC2 |
| 2.5" Round Reflector | LC2 |
| Trim Type | |
| Round Overlap | RDO |
| Round Trimless | RDT |
| Lumen Output | |
| (Trim & housing output must match) | |
| 500 Lumen | 500L |
| 700 Lumen | 700L |
| 900 Lumen | 900L |
| 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 |
| Warm Dim: 2700-1800K, 90+ CRI | 92718W |
| Warm Dim: 3000-1800K, 90+ CRI | 93018W |
| Optic | WW |
| Wall Wash | WW |
| Finish | |
| Clear Diffuse | CD |
| Warm Diffuse | WD |
| Black | BK |
| White | WH |
| Optional Flange Finish | |
| (Overlap CD & WD finish only) (For matching finishes leave blank) | |
| Black Painted | BP |
| White Painted | WP |
| Factory Options | |
| Title 24 / JA8 Compliant (Trim & housing must match.) | JA8 |
| ACCESSORIES | |
| Trimless Wood Ceiling Installation Kit | LC2- WOOD-KIT |
| (One kit recommended per 10 downlights) | |

OUTDOOR RATED (OD) DRIVER DIMMING PERFORMANCE TABLE

| Lumen Output | Minimum Dimming Level |
|--------------|-----------------------|
| 500L | 10% |
| 700L | 10% |
| 900L | 10% |

2.5" ROUND WALL WASH LUMEN MULTIPLIER TABLE

Color Temperature & CRI

| Trim Type | Optic | Color Temperature & CRI | Multiplier |
|-----------|----------------|-----------------------------|------------|
| ALL | Wall Wash [WW] | 80+ CRI [27K] | 0.93 |
| | | 2700K 90+ CRI [927K] | 0.75 |
| | | 97 CRI [H27K] | 0.67 |
| | | 80+ CRI [30K] | 0.93 |
| | | 90+ CRI [930K] | 0.81 |
| | | 97 CRI [H30K] | 0.72 |
| | | 80+ CRI [35K] | 1.00 |
| | | 90+ CRI [935K] | 0.81 |
| | | 97 CRI [H35K] | 0.73 |
| | | 80+ CRI [40K] | 1.00 |
| | | 90+ CRI [940K] | 0.87 |
| | | 97 CRI [H40K] | 0.75 |
| | | 2700-1800K 90+ CRI [92718K] | 0.76 |
| | | 3000-1800K 90+ CRI [93018K] | 0.80 |

Distribution

| Trim Type | Optic | Multiplier |
|----------------------|----------------|------------|
| Round Trimless [RDT] | Wall Wash [WW] | 1.31 |
| Round Overlap [RDO] | | 1.04 |

Color

| Trim Type | Optic | Color | Multiplier |
|-----------|----------------|--------------------|------------|
| ALL | Wall Wash [WW] | Clear Diffuse [CD] | 1.00 |
| | | Warm Diffuse [WD] | 0.97 |
| | | White [WH] | 1.12 |
| | | Black [BK] | 0.81 |

How To Use Lumen Multipliers

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

Example:
LC2W-RDO-SW-700L-935K-WW-WH

(700) x (0.82) x (1.04) x (1.12) ≈ 669lm
(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,

WALL WASH DESIGN GUIDE - 900 LUMEN, ROUND OVERLAP EXAMPLE

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

