

# ID+ 2.5"

OVERLAP & TRIMLESS LED WALL WASH



Clear diffuse



Warm diffuse



Black painted



White painted

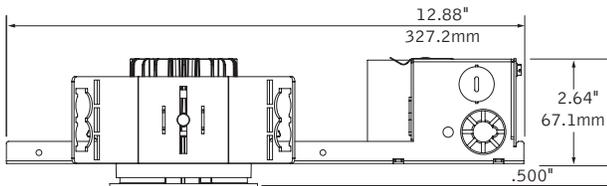


Optional painted flanges

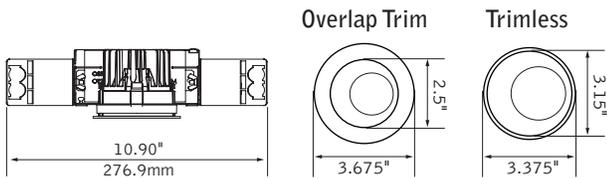


Downlight companion

## DIMENSIONAL DATA



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



## FEATURES

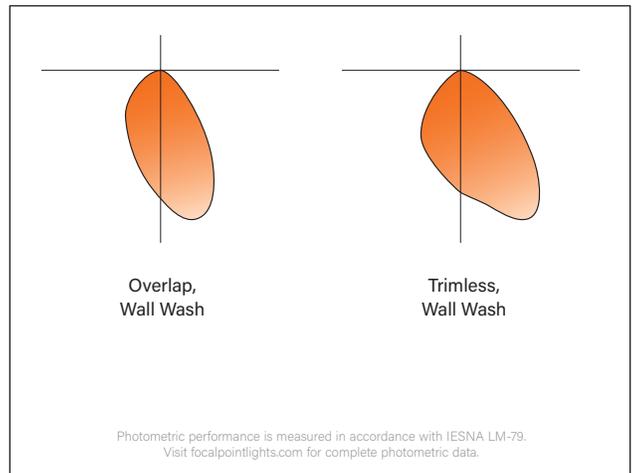
Less than 2.64" low profile housing available.

60° cut-off reflector.

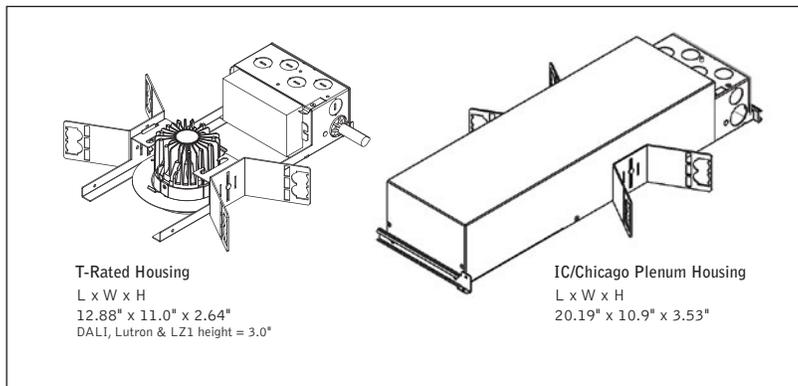
Warm Dim: Lighting that enhances spaces with a warm glow, reminiscent of incandescent or halogen light sources.

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

## DISTRIBUTIONS



**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.

**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 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, 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
WD	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%

**HOUSING ORDERING**

<b>Housing Series</b>	ID+ 2.5" Round	FLC2W	<u>FLC2W</u>
<b>Trim Type</b>	Round Overlap	RDO	_____
	Round Trimless	RDT	_____
<b>Color Options</b>	Standard White, 80 & 90 CRI	SW	_____
	High 97 CRI	HC	_____
	Warm Dim <small>(500L only, UNV &amp; LV not available.)</small>	WDM	_____
<b>Lumen Output</b>	500 Lumen <small>(Not available with LH1)</small>	500L	_____
	700 Lumen	700L	_____
	900 Lumen <small>(Not available with LZ1, DZ1, or D11)</small>	900L	_____
<b>Voltage</b>	120/277 Volt <small>(IC-rated housing: SW &amp; HC: 700L max. T &amp; TW housings: SW at 500L only.)</small>	UNV	_____
	120V	120	_____
	277V	277	_____
<b>Low Voltage</b>	<small>(IC-rated housing: SW &amp; HC: 700L max. T &amp; TW housings: SW at 500L only.)</small>	LV	_____
<b>Control System &amp; Dimming Level</b>	0-10V <1% Dimming	LZ1	_____
	0-10V - 1% Dimming	L11	_____
	0-10V - 10% Dimming	LD1	_____
<b>Low Voltage, PoE Compatible</b>	<small>(No driver. LV voltage only.)</small>	LVN	_____
	Forward Phase (120V only)	LFP	_____
<b>Lutron Hi-Lume EcoSystem (LDE1) - 1% Dimming</b>		LH1	_____
<b>Lutron Hi-Lume - Forward Phase (120V) - 1% Dimming</b>		LTE	_____
	DALI <1% Dimming	DZ1	_____
	DALI - 1% Dimming	D11	_____
<b>Housing Type</b>	IC Rated / Airtight (700L max.)	IC	_____
	Thermally Protected, Non-IC	T	_____
	Thermally Protected, Non-IC Wood <small>(Trimless only. Wood kit required)</small>	TW	_____
<b>Factory Options</b>	Bar Hangers	BH	_____
	Chicago Plenum	CP	_____
	Outdoor Rated <small>(LD1 driver and T-rated housing only. Not available with CP. See dimming performance table on page 3.)</small>	OD	_____
<b>TRIM &amp; LED MODULE</b>			<u>LC2</u>
<b>Aperture</b>	2.5" Round Reflector	LC2	_____
<b>Trim Type</b>	Round Overlap	RDO	_____
	Round Trimless	RDT	_____
<b>Lumen Output</b>	<small>(Trim &amp; housing output must match)</small>		_____
	500 Lumen	500L	_____
	700 Lumen	700L	_____
	900 Lumen	900L	_____
<b>Color Temperature</b>	<small>(Add 9 for 90 CRI or H for 97 CRI. Leave blank for 80 CRI. Examples: 2700K, 97 CRI = H27K. 2700K, 80 CRI = 27K.)</small>		_____
	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	_____
<b>Optic</b>	Wall Wash	WW	<u>WW</u>
<b>Finish</b>	Clear Diffuse	CD	_____
	Warm Diffuse	WD	_____
	Black	BK	_____
	White	WH	_____
<b>Optional Flange Finish</b>	<small>(Overlap CD &amp; WD finish only) (For matching finishes leave blank)</small>		_____
	Black Painted	BP	_____
	White Painted	WP	_____
<b>ACCESSORIES</b>	Trimless Wood Ceiling Installation Kit <small>(One kit recommended per 10 downlights)</small>	LC2- WOOD-KIT	_____

**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]	2700K 80+ CRI [27K]	0.93
		2700K 90+ CRI [927K]	0.75
		2700K 97 CRI [H27K]	0.67
		3000K 80+ CRI [30K]	0.93
		3000K 90+ CRI [930K]	0.81
		3000K 97 CRI [H30K]	0.72
		3500K 80+ CRI [35K]	1.00
		3500K 90+ CRI [935K]	0.81
		3500K 97 CRI [H35K]	0.73
		4000K 80+ CRI [40K]	1.00
		4000K 90+ CRI [940K]	0.87
		4000K 97 CRI [H40K]	0.75
2700-1800K 90+ CRI [92718K]	0.76		
3000-1800K 90+ CRI [93018K]	0.80		

**How To Use Lumen Multipliers**

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

**Distribution**

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

**Example:**

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

$(700) \times (0.82) \times (1.04) \times (1.12) \approx 669lm$   
 (estimated delivered lumens)

**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

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 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	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	2 2 2
	12"	5 5 5	4 4 4	4 4 4	3 3 3	4 4 4	3 3 3	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	2 2 2	
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 4 4	
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	7 8 7	
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	8 9 8	
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	8 10 8	
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 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	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	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	4 5 4	

