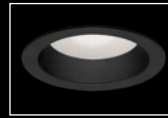


# ID+ 3.5"

OVERLAP & TRIMLESS LED DOWNLIGHTS



Overlap Solite lens



Clear diffuse



Warm diffuse



Black



White



Optional painted flanges



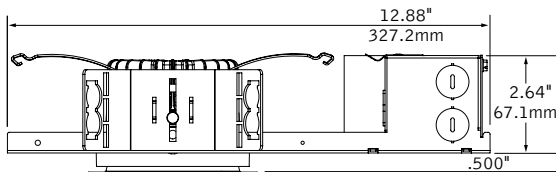
Wall Wash companion



Adjustable Accent companion

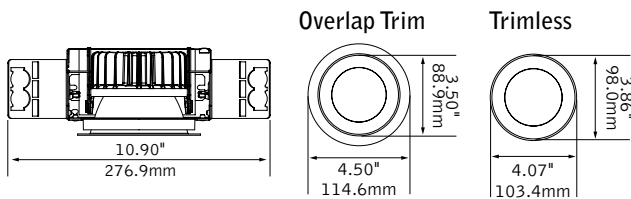
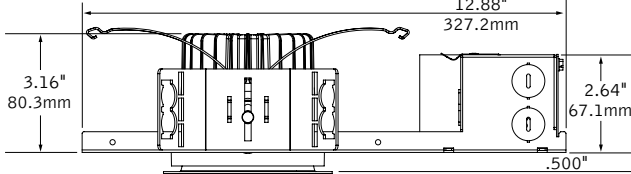
## DIMENSIONAL DATA

### 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



## FEATURES

Less than 2.64" low profile housing available.

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

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

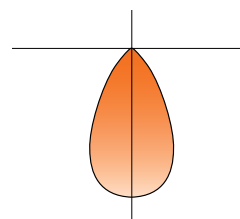
Outdoor rating permits use in outdoor covered ceiling applications.

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.

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

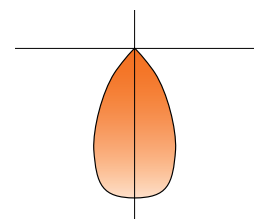
PoE compatible: Integrates with Power over Ethernet lighting systems via standard, low-voltage wires.

## PERFORMANCE



Overlap, Tall 50°  
Wide Flood

**Lumen Output: 2100lm**  
**Total System Watts: 25W**



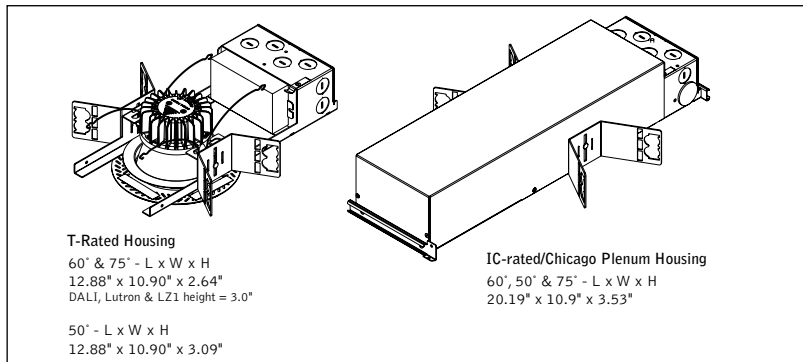
Trimless, Tall 50°  
Wide Flood

**Lumen Output: 2100lm**  
**Total System Watts: 25W**

Photometric performance is measured in accordance with IESNA LM-79. Visit [focalpointlights.com](http://focalpointlights.com) for complete photometric data. Visit [energystar.gov](http://energystar.gov) for model specifics.



**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. 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.

**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). 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.

**Optics**


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

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

**HOUSING ORDERING**

<b>Housing Series</b>	ID+ 3.5" Round	<b>FLC3D</b>
<b>Trim Type</b>	Round Overlap	RO
	Round Trimless	RT
<b>Color Options</b>	Standard White, 80 & 90 CRI	SW
	High 97 CRI	HC
	Warm Dim (1500L only, UNV, LV & EMR not available.)	WDM
<b>Lumen Output</b>	700 Lumen (Not available with Lutron or LFP)	700L
	900 Lumen (Not available with LFP)	900L
	1100 Lumen	1100L
	1300 Lumen	1300L
	1500 Lumen	1500L
	1700 Lumen	1700L
	1900 Lumen	1900L
	2100 Lumen	2100L
<b>Voltage</b>	120/277 Volt	UNV
	(IC-rated housing: SW - 1700lm max., HC - 1500lm max. T-rated & TW housings: SW - 1100lm max., HC - 900lm max.)	
	120V	120
	277V (T-rated housing only)	277
	Low Voltage	LV
	(IC-rated housing: SW - 1700lm max., HC - 1500lm max. T-rated & TW housings: SW - 1100lm max., HC - 900lm max.)	
<b>Control System &amp; Dimming Level</b>	0-10V - 0% Dimming	LZ1
	0-10V - 1% Dimming	L11
	0-10V - 10% Dimming	LD1
	Low Voltage, PoE Compatible	LVN
	(No driver. Not available with EMR. LV voltage only.)	
	Forward Phase (120V only)	LFP
	Lutron Hi-Lume EcoSystem (LDE1) - 1% Dimming	LH1
	Lutron 5-Series EcoSystem (LDES) - 5% Dimming	LU5
	Lutron Hi-Lume - Forward Phase (120V) - 1% Dimming	LTE
	DALI - 0% Dimming	DZ1
	DALI - 1% Dimming	D11
<b>Housing Type</b>	IC-Rated / Airtight (LTE 1500lm max.)	IC
	Thermally Protected, Non-IC / Airtight	T
	Thermally Protected, Non-IC Wood (wood kit required)	TW
<b>Factory Options</b>	Bar Hangers	BH
	Chicago Plenum	CP
	Emergency Battery - Remote test switch	EMR
	(Overlap trim, SW or HC 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 3.)	
<b>TRIM &amp; LED MODULE</b>		
<b>Aperture</b>	3.5" Round Reflector	LC3
<b>Trim Type</b>	Round Overlap	RO
	Round Die-Cast Overlap (DSS only)	RDO
	Round Trimless	RT
	Round Die-Cast Trimless (DSS only)	RDT
<b>Color Options</b>	(Trim & housing must match)	
	Standard White, 80 & 90 CRI	SW
	High 97 CRI	HC
	Warm Dim (1500L only)	WDM
<b>Lumen Output</b>	(Trim & housing output must match)	
	700 Lumen	700L
	900 Lumen	900L
	1100 Lumen	1100L
	1300 Lumen	1300L
	1500 Lumen	1500L
	1700 Lumen	1700L
	1900 Lumen	1900L
	2100 Lumen	2100L
<b>Color Temperature</b>	(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
<b>Optic</b>	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)	
<b>Distribution</b>	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
<b>Finish</b>	Clear Diffuse	CD
	Warm Diffuse	WD
	Black	BK
	White	WH
<b>Optional Flange Finish</b>	(Overlap CD & WD finish only) (For matching finishes leave blank)	
	Black Painted	BP
	White Painted	WP
<b>ACCESSORIES</b>	Trimless Wood Ceiling Installation Kit	LC3-WOOD-KIT
	(One kit recommended per 10 downlights)	

### 3.5" ROUND DOWNLIGHT PERFORMANCE TABLE

Lumen Output	Delivered Lumens	System Watts	LPW
700L	721	8	90
900L	919	10	94
1100L	1112	12	96
1300L	1298	16	83
1500L	1484	17	85
 1500L	1555	25	61
1700L	1682	19	86
1900L	1909	22	87
2100L	2144	25	86

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

### 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%

### 3.5" ROUND DOWNLIGHT LUMEN MULTIPLIER TABLE

#### Color Temperature & CRI

Trim Type	Optic	Color Temperature & CRI	Multiplier
ALL	ALL	80+ CRI [27K]	0.93
		2700K 90+ CRI [927K]	0.75
		97 CRI [H27K]	0.67
		80+ CRI [30K]	0.93
		3000K 90+ CRI [930K]	0.81
		97 CRI [H30K]	0.72
		80+ CRI [35K]	1.00
		3500K 90+ CRI [935K]	0.81
		97 CRI [H35K]	0.73
		80+ CRI [40K]	1.00
		4000K 90+ CRI [940K]	0.87
		97 CRI [H40K]	0.75
2700-1800K 90+ CRI [92718K]	1.02		
3000-1800K 90+ CRI [93018K]	1.04		

#### Distribution

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
		Very Wide Flood [VWFL]	1.02
	Short Cone with 60° cut-off [DNS]	Narrow Flood [NFL]	0.98
		Flood 1 [FL1]	1.17
		Flood 2 [FL2]	1.11
		Wide Flood [WFL]	1.09
		Very Wide Flood [VWFL]	1.07
Round Die-Cast Trimless [RDT]	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

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

$(1100) \times (0.81) \times (1.17) \times (1.12) \approx 1167\text{lm}$   
 (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.