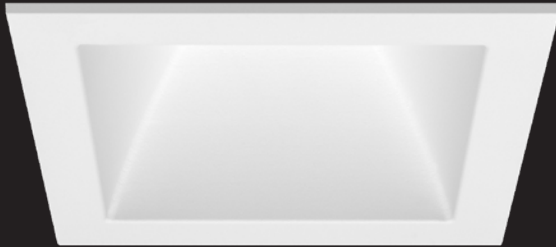


# ID+ 3.5" x 3.5"

LED DOWNLIGHT



FOCAL POINT®



clear diffuse



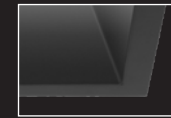
warm diffuse



black flange



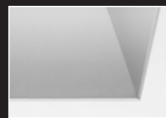
titanium silver flange



die-cast black

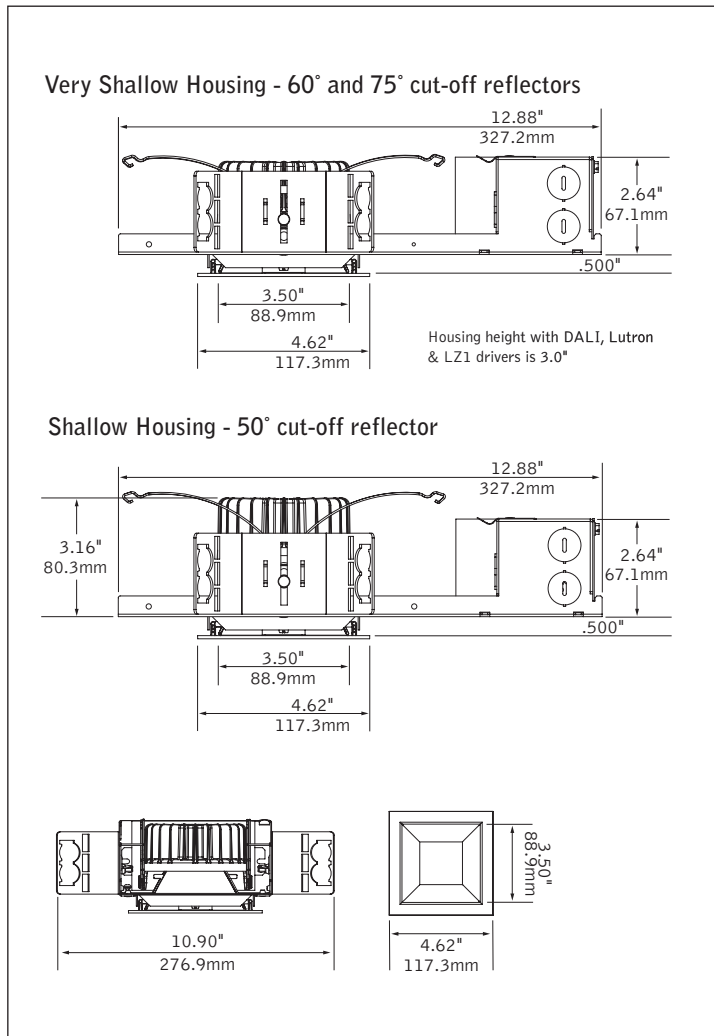


die-cast white



trimless companion

## DIMENSIONAL DATA



## FEATURES

Less than 2.64" low profile housing available.

ChromaSure: Color consistency resulting in a 2-step MacAdam ellipse across the entire ID+ product line.

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

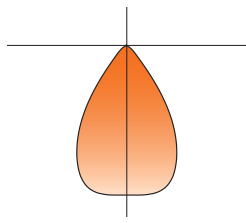
50°, 60° and 75° cut-off reflector options available.

Outdoor rating permits use in outdoor covered ceiling applications.

Solite lens with die-cast trim and 70° or 90° beam spread options available.

Solite lens and trim allows for a coordinated aesthetic with companion ID+ 3.5" Adjustable Accent.

## PERFORMANCE



**PRODUCT OVERVIEW**

Lumen Output: 700-1500lm

Wattage: 9-20W


LPW: 72-84

SDCM: 2

Short 60° Cut-off, Wide Flood, Clear Diffuse, 3500K

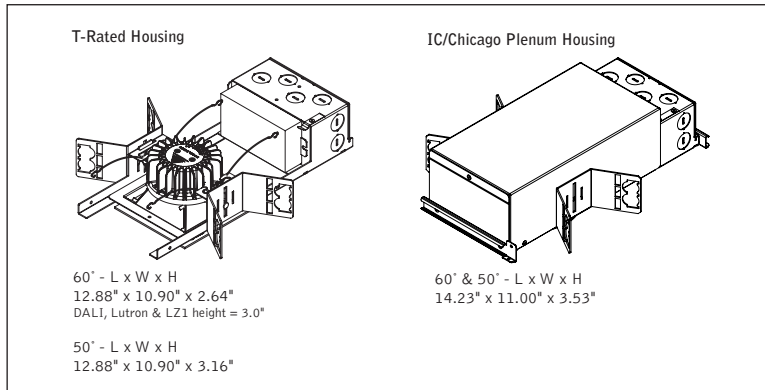
**Lumen Output: 1500lm**

**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.

**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.

**Emergency**

Emergency Battery Pack: Bodine BSL17C-C2. Emergency output —7W for 90 minutes. Maximum mounting height — DNT & DNS optic: 20.7ft. DSS optic: 16.2ft.

**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**

Die-formed aluminum reflector ensures glare free optics. Reflector attaches to die-cast, seamless flange and may be removed for field painting. Full die-cast painted reflectors also available. Torsion springs pull trim tight to the ceiling with no visible fasteners within the trim.

**Optics**

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

Ordering Code	Cut-Off Degree	Distribution Beam Spread   Spacing Criteria			Housing Depth
		WFL	VWFL	SWFL	
DNT	50°	51°   0.81	-	-	3.16"
DNS	60°	66°   1.03	-	-	2.64"
DSS	75°	-	69°   1.02	91°   1.17	2.64"

**PERFORMANCE TABLE** - see page 3.

**HOUSING ORDERING**

<b>Housing Series</b>	FLC33D	<b>FLC33D</b>
<b>ID+ 3.5" Square</b>		
<b>Trim Type</b>	SO	<b>SO</b>
<b>Square Overlap</b>	SO	
<b>Lumen Output</b>		
700 Lumen	700L	
900 Lumen	900L	
1100 Lumen	1100L	
1300 Lumen	1300L	
1500 Lumen	1500L	
<b>Voltage</b>		
120V	120	
277V	277	
<b>Control System &amp; Dimming Level</b>		
0-10V - 0% Dimming	LZ1	
0-10V - 1% Dimming	L11	
0-10V - 10% Dimming	LD1	
<b>Forward Phase</b>	LFP	
(120V only. 900 & 1300 Lumens only.)		
<b>Lutron Hi-Lume EcoSystem (LDE1) -</b>		
1% Dimming	LH1	
(700 & 1500 lumens not available.)		
<b>Lutron 5-Series EcoSystem (LDE5) -</b>		
5% Dimming	LU5	
(1300 Lumens only)		
<b>Lutron Hi-Lume - Forward Phase -</b>		
1% Dimming	LTE	
(120V only. 1500 lumens not available.)		
<b>DALI - 0% Dimming</b>	DZ1	
<b>DALI - 1% Dimming</b>	D11	
<b>Housing Type</b>	IC	
<b>IC Rated / Airtight</b>		
(Available options: L11 & LD1: 700, 900 & 1100 Lumens. LFP: 900 & 1300 Lumens.)		
<b>Thermally Protected, Non-IC</b>	T	
(Housing height = 3.0" for LZ1, L3D, LH1, LTE, LU5, D11 & DZ1)		
<b>Factory Options</b>		
<b>Bar Hangers</b>	BH	
<b>Chicago Plenum</b>	CP	
<b>Emergency Battery - Remote test switch</b>	EMR	
(Not available with CP or IC. Above Ceiling Access.)		
<b>Outdoor Rated</b>	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>LC33</b>
<b>Aperture</b>		
<b>3.5" Square Reflector</b>	LC33	
<b>Trim Type</b>		
<b>Square Overlap</b>	SO	
<b>Square Die-Cast Overlap</b>	SDO	
<b>Lumen Output</b>		
(Trim & housing output must match)		
700 Lumen	700L	
900 Lumen	900L	
1100 Lumen	1100L	
1300 Lumen	1300L	
1500 Lumen	1500L	
<b>Color Temperature</b>		
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	
<b>Optic</b>		
<b>Tall Cone with 50° cut-off</b>	DNT	
(Not available with Die-Cast trims.)		
<b>Short Cone with 60° cut-off</b>	DNS	
<b>Super Short Cone with Solite Lens 75° cut-off</b>	DSS	
(Die-cast trim, SDO, with VWFL or SWFL only)		
<b>Distribution</b>		
<b>Wide Flood</b>	WFL	
<b>Very Wide Flood</b>	VWFL	
(Die-cast trim, SDO, with DSS Optic only)		
<b>Super Wide Flood</b>	SWFL	
(Die-cast trim, SDO, with DSS Optic only)		
<b>Color</b>		
<b>Clear Diffuse</b>	CD	
(Available with all SO trims or SDO with DSS optic)		
<b>Warm Diffuse</b>	WD	
<b>Black</b>	BK	
(Black Flange Finish only with SDO trim)		
<b>White</b>	WH	
(White Flange Finish only with SDO trim)		
<b>Flange Finish</b>		
<b>Non-Painted</b>	NP	
(Available for SDO with DSS optic only. Clear and warm diffuse only)		
<b>Black Painted</b>	BK	
<b>White Painted</b>	WH	
<b>Titanium Silver</b>	TS	
(SO trim only)		



## SQUARE DOWNLIGHT PERFORMANCE TABLE

Lumen Output	Delivered Lumens	System Watts	LPW
700L	726	9	84
900L	880	11	83
1100L	1090	15	72
1300L	1297	18	74
1500L	1489	20	75

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%

## SQUARE DOWNLIGHT 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
Square Trimless [ST]	Tall Cone with 50° cut-off [DNT]	Wide Flood [WFL]	0.89
	Short Cone with 60° cut-off [DNS]	Wide Flood [WFL]	0.99
Square Overlap [SO]	Tall Cone with 50° cut-off [DNT]	Wide Flood [WFL]	0.86
	Short Cone with 60° cut-off [DNS]	Wide Flood [WFL]	1.02
Square Die-Cast Trimless [SDT]	Short Cone with 60° cut-off [DNS]	Wide Flood [WFL]	1.12
	Super Short Cone with Solite Lens 75° cut-off [DSS]	Very Wide Flood [VWFL]	0.82
		Super Wide Flood [SWFL]	0.79
Square Die-Cast Overlap [SDO]	Short Cone with 60° cut-off [DNS]	Wide Flood [WFL]	1.17
	Super Short Cone with Solite Lens 75° cut-off [DSS]	Very Wide Flood [VWFL]	0.80
		Super Wide Flood [SWFL]	0.77

### Color

Trim Type	Optic	Color	Multiplier
Square Trimless [ST] and Square Overlap [SO]	Tall Cone with 50° cut-off [DNT] and Short Cone with 60° cut-off [DNS]	Clear Diffuse [CD]	1.00
		Warm Diffuse [WD]	1.02
		White [WH]	1.15
		Black [BK]	0.79
Square Die-Cast Trimless [SDT] and Square Die-Cast Overlap [SDO]	Short Cone with 60° cut-off [DNS]	Warm Diffuse [WD]	0.88
		White [WH]	1.00
		Black [BK]	0.76
	Super Short Cone with Solite Lens 75° cut-off [DSS]	Clear Diffuse [CD]	1.00
		Warm Diffuse [WD]	1.01
		White [WH]	1.14
		Black [BK]	0.96

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:** LC33-SO-1100L-935K-DNS-WFL-WH

(1100) x (0.81) x (1.02) x (1.15) ≈ 1045 lm (estimated delivered lumens)