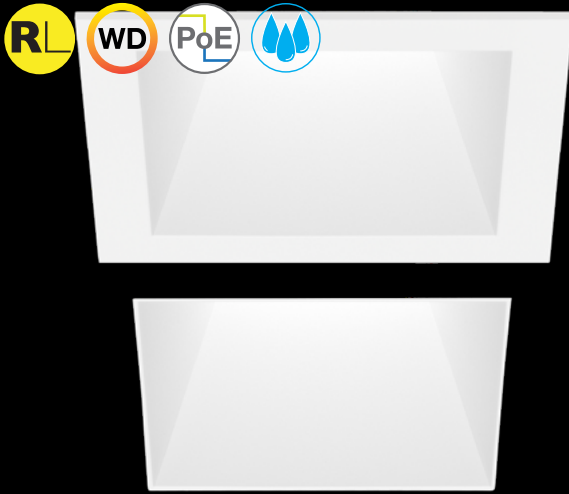


ID+ 3.5" x 3.5"

OVERLAP & TRIMLESS LED DOWNLIGHTS



Solite Trim



clear diffuse



warm diffuse



white painted



black painted



optional painted flange



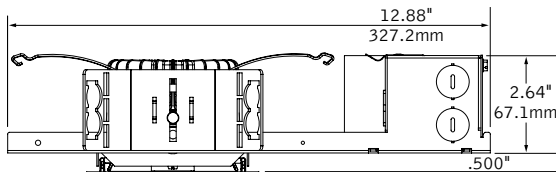
Wall Wash companion



Adjustable Accent companion

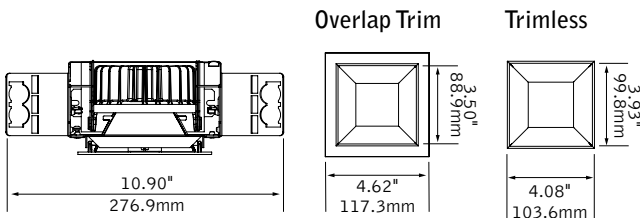
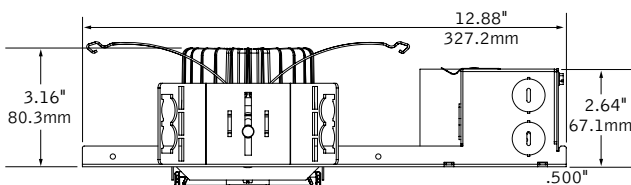
DIMENSIONAL DATA

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.

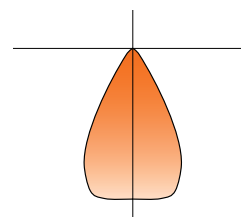
Outdoor rating permits use in outdoor covered ceiling applications.

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.

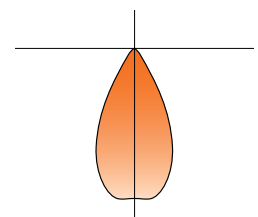
PERFORMANCE



Overlap, Tall 50°, Wide Flood

Lumen Output: 2100lm

Total System Watts: 25W



Trimless, Tall 50°, Wide Flood

Lumen Output: 2100lm

Total System Watts: 25W

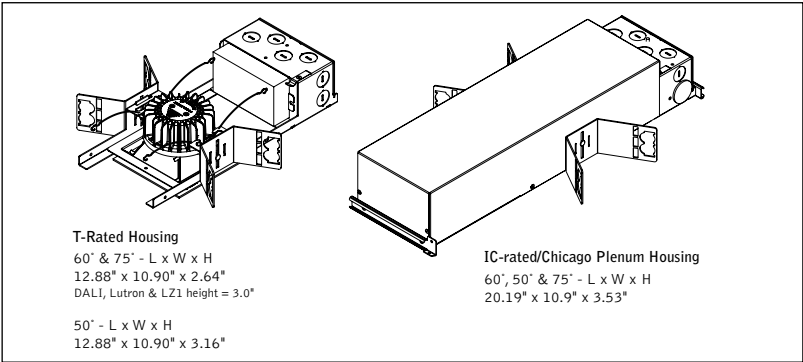
Photometric performance is measured in accordance with IESNA LM-79. Visit focalpointlights.com for complete photometric data. Visit energystar.gov for model specifics.



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. 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. 3500K and 4000K with CRI>90 have a cyanosis observation index (COI) of 3.3 or less. Color accuracy within 2 SDCM (Warm Dimming from 3-5 SDCM). Aluminum heat sink provides appropriate thermal management.

Aesthetics

Die-formed aluminum reflector ensures glare free optics. 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.

Optic	Cut-Off Degree	Trim Type	Distribution Beam Spread Spacing Criteria					
			NFL	FL1	FL2	WFL	VWFL	SWFL
DNT		Overlap	25° 0.42	34° 0.56	44° 0.70	52° 0.85	64° 0.97	-
		Trimless	24° 0.41	34° 0.56	45° 0.70	58° 0.86	66° 0.99	-
DNS		Overlap	24° 0.41	34° 0.56	45° 0.70	59° 0.86	72° 1.01	-
		Trimless	24° 0.40	34° 0.56	45° 0.70	60° 0.88	69° 1.07	-
DSS		Overlap	-	-	-	-	69° 0.99	92° 1.21
		Trimless	-	-	-	-	72° 0.99	92° 1.26

PERFORMANCE TABLE - see page 3.

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



Options in orange qualify for the Quickship program. 5-day up to 200 pieces. Refer to Quickship Guide for complete details.

HOUSING ORDERING

Housing Series

ID+ 3.5" Square

FLC33D

Trim Type

Square Die-Cast Overlap

Square Die-Cast Trimless

SDO

SDT

Color Options

Standard White, 80 & 90 CRI

High 97 CRI

SW

HC

Warm Dim (1500L only. UNV, LV & EMR not available.)

WDM

Lumen Output

700 Lumen (Not available with Lutron or LFP)

900 Lumen (Not available with LFP)

1100 Lumen

1300 Lumen

1500 Lumen

1700 Lumen

1900 Lumen

2100 Lumen

700L

900L

1100L

1300L

1500L

1700L

1900L

2100L

Voltage

120/277 Volt

(IC-rated housing: SW - 1700lm max., HC - 1500lm max. T-rated & TW housings: SW - 1100lm max., HC - 900lm max.)

UNV

120V

277V (T-rated housing only)

120

277

Low Voltage

(IC-rated housing: SW - 1700lm max., HC - 1500lm max. T-rated & TW housings: SW - 1100lm max., HC - 900lm max.)

LV

Control System & Dimming Level

0-10V - 0% Dimming

0-10V - 1% Dimming

0-10V - 10% Dimming

LZ1

L11

LD1

Low Voltage, PoE Compatible (No driver. Not available with EMR. LV voltage only.)

LVN

Forward Phase (120V only)

LFP

Lutron Hi-Lume EcoSystem (LDE1) - 1% Dimming

LH1

Lutron 5-Series EcoSystem (LDE5) - 5% Dimming

LU5

Lutron Hi-Lume - Forward Phase (120V only) - 1% Dimming

LTE

DALI - 0% Dimming

DZ1

DALI - 1% Dimming

D11

Housing Type

IC-Rated / Airtight (LTE 1500lm max.)

IC

Thermally Protected, Non-IC / Airtight

T

Thermally Protected, Non-IC Wood (wood kit required)

TW

Factory Options

Bar Hangers

BH

Chicago Plenum

CP

Emergency Battery - Remote test switch (Overlap trim, SW or HC only. Not available with CP or IC-rated housing. Above ceiling access required.)

EMR

Outdoor Rated

(LD1 driver and T-rated housing only. Not available with CP or EMR. See dimming performance table on page 3.)

OD

TRIM & LED MODULE

Aperture

3.5" Square Reflector

LC33

Trim Type

Square Die-Cast Overlap

SDO

Square Die-Cast Trimless

SDT

Color Options

(Trim & housing must match)

Standard White, 80 & 90 CRI

SW

High 97 CRI

HC

Warm Dim (1500L only)

WDM

Lumen Output

(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

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

Tall Cone with 50° cut-off

DNT

Short Cone with 60° cut-off

DNS

Super Short Cone with Solite Lens 75° cut-off (VWFL or SWFL only)

DSS

Distribution

Narrow Flood

NFL

Flood 1

FL1

Flood 2

FL2

Wide Flood

WFL

Very Wide Flood

VWFL

Super Wide Flood (DSS Optic only)

SWFL

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

ACCESSORIES


Wood Ceiling Installation Kit

(One kit recommended per 10 downlights)

LC33-

WOOD-KIT

SQUARE DOWNLIGHT PERFORMANCE TABLE

Lumen Output	Delivered Lumens	System Watts	LPW
700L	722	8	91
900L	937	10	93
1100L	1130	12	96
1300L	1355	16	84
1500L	1539	18	86
 1500L	1485	25	59
1700L	1751	20	86
1900L	1925	22	87
2100L	2159	25	87

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%

SQUARE DOWNLIGHT LUMEN MULTIPLIER TABLE

Color Temperature & CRI

Trim Type	Optic	Color Temperature & CRI		Multiplier
ALL	ALL	2700K	80+ CRI [27K]	0.93
			90+ CRI [927K]	0.75
			97 CRI [H27K]	0.67
		3000K	80+ CRI [30K]	0.93
			90+ CRI [930K]	0.81
			97 CRI [H30K]	0.72
		3500K	80+ CRI [35K]	1.00
			90+ CRI [935K]	0.81
			97 CRI [H35K]	0.73
		4000K	80+ CRI [40K]	1.00
			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
Square Die-Cast Trimless [SDT]	Tall Cone with 50° cut-off [DNT]	Narrow Flood [NFL]	0.93
		Flood 1 [FL1]	1.00
		Flood 2 [FL2]	0.92
		Wide Flood [WFL]	1.13
		Very Wide Flood [VWFL]	0.90
	Short Cone with 60° cut-off [DNS]	Narrow Flood [NFL]	0.95
		Flood 1 [FL1]	1.03
		Flood 2 [FL2]	0.98
		Wide Flood [WFL]	0.96
		Very Wide Flood [VWFL]	1.24
Square Die-Cast Overlap [SDO]	Tall Cone with 50° cut-off [DNT]	Narrow Flood [NFL]	0.94
		Flood 1 [FL1]	1.00
		Flood 2 [FL2]	0.93
		Wide Flood [WFL]	1.03
		Very Wide Flood [VWFL]	0.86
	Short Cone with 60° cut-off [DNS]	Narrow Flood [NFL]	0.95
		Flood 1 [FL1]	1.02
		Flood 2 [FL2]	0.97
		Wide Flood [WFL]	0.94
		Very Wide Flood [VWFL]	0.98
Square Die-Cast Trimless [SDT]	Super Short Cone with Solite Lens with 75° cut-off [DSS]	Very Wide Flood [VWFL]	1.07
Square Die-Cast Overlap [SDO]	Super Short Cone with Solite Lens with 75° cut-off [DSS]	Super Wide Flood [SWFL]	1.02
		Very Wide Flood [VWFL]	1.03
		Super Wide Flood [SWFL]	0.98

Color

Trim Type	Optic	Color	Multiplier
ALL	Tall Cone with 50° cut-off [DNT]	Clear Diffuse [CD]	1.00
		Warm Diffuse [WD]	1.01
		White [WH]	1.23
		Black [BK]	0.79
	Short Cone with 60° cut-off [DNS]	Clear Diffuse [CD]	1.00
		Warm Diffuse [WD]	0.89
		White [WH]	0.97
		Black [BK]	0.83
	Super Short Cone with Solite Lens with 75° cut-off [DSS]	Clear Diffuse [CD]	1.00
		Warm Diffuse [WD]	0.99
		White [WH]	1.15
		Black [BK]	0.88

How To Use Lumen Multipliers

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

Example:
LC33-SDO-SW-1100L-935K-DNS-FL1-WH

(1100) x (0.81) x (1.02) x (0.97) ≈ 882lm
(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,