

# ID+ 3.5" x 3.5"

OVERLAP & TRIMLESS LED WALL WASH



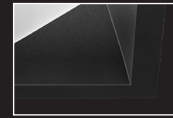
white painted



clear diffuse



warm diffuse



black painted



optional painted  
flange



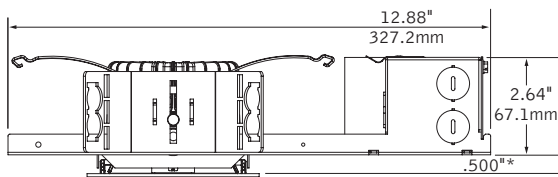
Downlight  
companion



Adjustable Accent  
companion

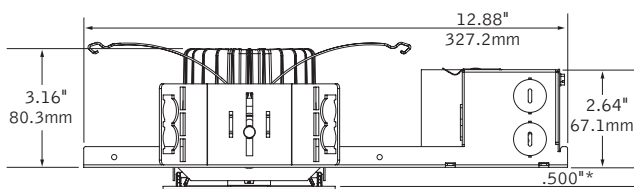
## DIMENSIONAL DATA

### 60° cut-off reflector

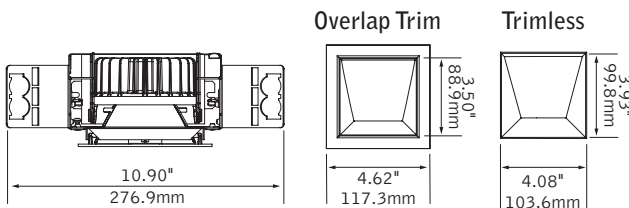


Housing height with DALI, Lutron & LZ1 drivers is 3.0"

### 50° cut-off reflector



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



## FEATURES

Less than 2.64" low profile housing available.

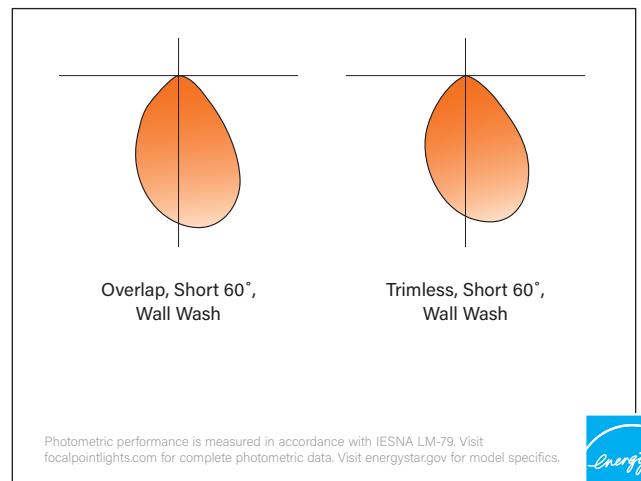
50° cut-off and 60° cut-off reflector options available.

Tunable White: Supports human activity, well-being, and preferences with a light quality that evolves throughout the day.

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



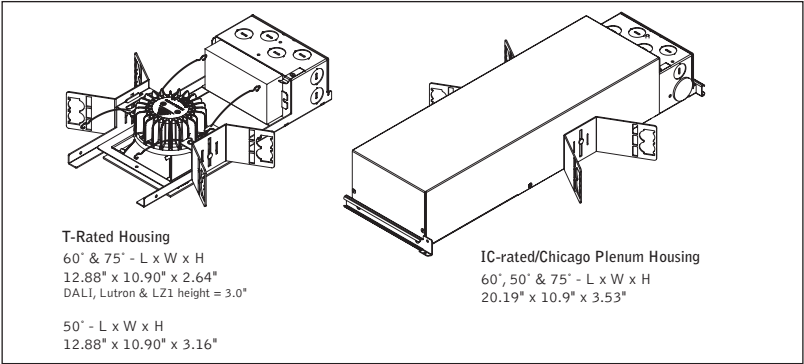
Photometric performance is measured in accordance with IESNA LM-79. Visit [focalpointlights.com](http://focalpointlights.com) for complete photometric data. Visit [energystar.gov](http://energystar.gov) for model specifics.



fixture:

project:

STANDARD WHITE HOUSING DETAILS



3.5" SQUARE WALL WASH PERFORMANCE TABLES

Based on Overlap, Tall Cone, Clear Diffuse. Delivered lumen output may vary +/- 5%. Actual wattage may vary +/- 5%

| STANDARD WHITE  |              |                  |              |     |
|-----------------|--------------|------------------|--------------|-----|
| CCT             | Lumen Output | Delivered Lumens | System Watts | LPW |
| 3500K,<br>80CRI | 700L         | 712              | 11           | 64  |
|                 | 900L         | 913              | 16           | 56  |
|                 | 1100L        | 1104             | 19           | 58  |
|                 | 1300L        | 1299             | 22           | 58  |
|                 | 1500L        | 1533             | 26           | 59  |

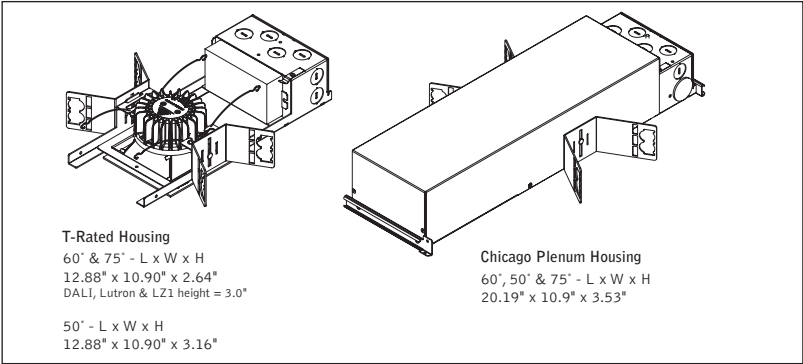
STANDARD WHITE

| HOUSING ORDERING                                                  |          | FLC33W |
|-------------------------------------------------------------------|----------|--------|
| Housing Series                                                    | FLC33W   |        |
| ID+ 3.5" Square                                                   |          |        |
| Trim Type                                                         |          |        |
| Square Die-Cast Overlap                                           | SDO      |        |
| Square Die-Cast Trimless                                          | SDT      |        |
| Color Options                                                     |          |        |
| Standard White, 80 & 90 CRI                                       | SW       |        |
| High 97 CRI                                                       | HC       |        |
| Lumen Output                                                      |          |        |
| 700 Lumen                                                         | 700L     |        |
| 900 Lumen                                                         | 900L     |        |
| 1100 Lumen                                                        | 1100L    |        |
| 1300 Lumen                                                        | 1300L    |        |
| 1500 Lumen                                                        | 1500L    |        |
| Voltage                                                           |          |        |
| 120/277 Volt                                                      | UNV      |        |
| (IC-rated housing: SW - 1100lm max, HC - 900lm max.               |          |        |
| T-rated & TW housings: SW - 700lm max, HC not available.)         |          |        |
| 120V                                                              | 120      |        |
| 277V                                                              | 277      |        |
| Low Voltage                                                       | LV       |        |
| (IC-rated housing: SW - 1100lm max, HC - 900lm max.               |          |        |
| T-rated & TW housings: SW - 700lm max, HC not available.)         |          |        |
| 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 only) -                      | LTE      |        |
| 1% Dimming                                                        |          |        |
| DALI <1% Dimming                                                  | DZ1      |        |
| DALI - 1% Dimming                                                 | D11      |        |
| Housing Type                                                      |          |        |
| IC-Rated / Airtight                                               | IC       |        |
| (SW - 1100lm max, HC - 900lm max. Not available with LTE.)        |          |        |
| 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 5.)                         |          |        |
| TRIM & LED MODULE                                                 |          |        |
| Aperture                                                          |          |        |
| 3.5" Square Reflector                                             | LC33     |        |
| 3.5" Square AirtightReflector                                     | LC33AT   |        |
| Trim Type                                                         |          |        |
| Square Die-Cast Overlap                                           | SDO      |        |
| Square Die-Cast Trimless                                          | SDT      |        |
| Color Options                                                     |          |        |
| Standard White, 80 & 90 CRI                                       | SW       |        |
| High 97 CRI                                                       | HC       |        |
| Lumen Output                                                      |          |        |
| (Trim & housing output must match)                                |          |        |
| 700 Lumen                                                         | 700L     |        |
| 900 Lumen                                                         | 900L     |        |
| 1100 Lumen                                                        | 1100L    |        |
| 1300 Lumen                                                        | 1300L    |        |
| 1500 Lumen                                                        | 1500L    |        |
| 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     |        |
| Optic                                                             |          |        |
| Tall Cone with 50° cut-off                                        | WWT      |        |
| Short Cone with 60° cut-off                                       | WWS      |        |
| 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                                                       |          |        |
| Trimless Wood Ceiling Installation Kit                            | LC33-    |        |
| (One kit recommended per 10 downlights)                           | WOOD-KIT |        |

fixture:

project:

WARM DIM HOUSING DETAILS

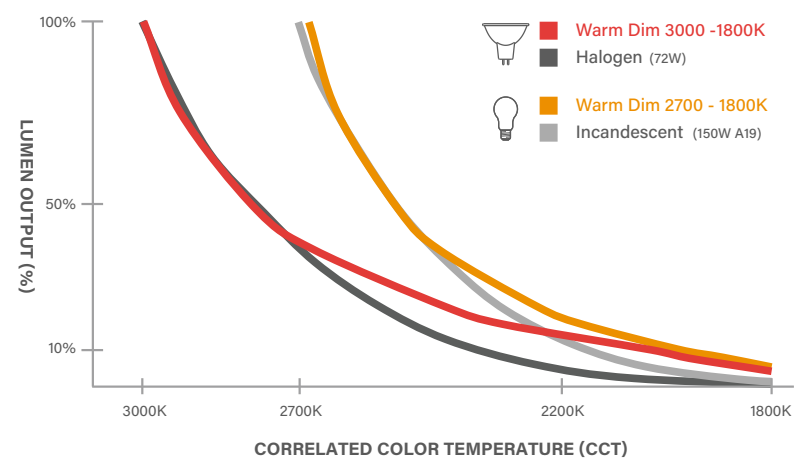


3.5" SQUARE WALL WASH PERFORMANCE TABLE

Based on Overlap, Tall Cone, Clear Diffuse. Delivered lumen output may vary +/- 5%. Actual wattage may vary +/- 5%

| WD WARM DIM  |              |                  |              |     |
|--------------|--------------|------------------|--------------|-----|
| CCT Range    | Lumen Output | Delivered Lumens | System Watts | LPW |
| 2700 - 1800K | 1100L        | 980              | 25           | 39  |
| 3000 - 1800K | 1100L        | 1001             | 25           | 40  |

The 3000K to 1800K and 2700K to 1800K ranges mimic the black body curves of halogen and incandescent light sources, respectively.



WARM DIM

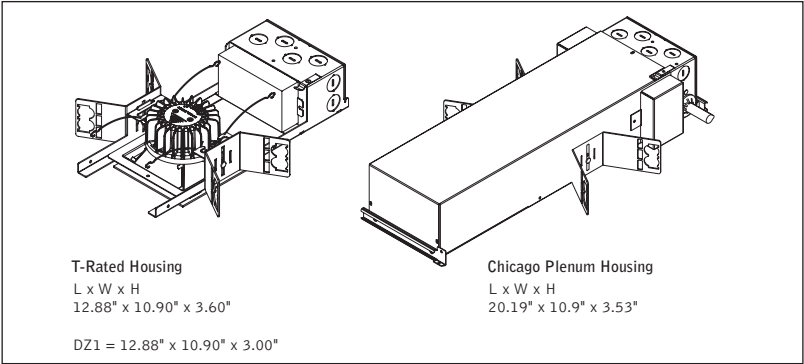
HOUSING ORDERING

| Housing Series                                                                                         |                   | FLC33W |
|--------------------------------------------------------------------------------------------------------|-------------------|--------|
| ID+ 3.5" Square                                                                                        | FLC33W            |        |
| Trim Type                                                                                              |                   |        |
| Square Die-Cast Overlap                                                                                | SDO               |        |
| Square Die-Cast Trimless                                                                               | SDT               |        |
| Color Options                                                                                          |                   | WDM    |
| Warm Dim                                                                                               | WDM               |        |
| Lumen Output                                                                                           |                   | 1100L  |
| 1100 Lumen                                                                                             | 1100L             |        |
| Voltage                                                                                                |                   |        |
| 120V                                                                                                   | 120               |        |
| 277V                                                                                                   | 277               |        |
| Control System & Dimming Level                                                                         |                   |        |
| 0-10V <1% Dimming                                                                                      | LZ1               |        |
| 0-10V - 1% Dimming                                                                                     | L11               |        |
| 0-10V - 10% Dimming                                                                                    | LD1               |        |
| Forward Phase (120V only)                                                                              | LFP               |        |
| Lutron Hi-Lume EcoSystem (LDE1) - 1% Dimming                                                           | LH1               |        |
| Lutron Hi-Lume - Forward Phase (120V only) - 1% Dimming                                                | LTE               |        |
| DALI <1% Dimming                                                                                       | DZ1               |        |
| DALI - 1% Dimming                                                                                      | D11               |        |
| Housing Type                                                                                           |                   |        |
| IC-Rated / Airtight<br>(LTE not available.)                                                            | IC                |        |
| Thermally Protected, Non-IC                                                                            | T                 |        |
| Thermally Protected, Non-IC Wood<br>(Trimless only. Wood kit required)                                 | TW                |        |
| 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 5.) |                   |        |
| TRIM & LED MODULE                                                                                      |                   |        |
| Aperture                                                                                               |                   |        |
| 3.5" Square Reflector                                                                                  | LC33              |        |
| 3.5" Square AirtightReflector                                                                          | LC33AT            |        |
| Trim Type                                                                                              |                   |        |
| Square Die-Cast Overlap                                                                                | SDO               |        |
| Square Die-Cast Trimless                                                                               | SDT               |        |
| Color Options                                                                                          |                   | WDM    |
| Warm Dim                                                                                               | WDM               |        |
| Lumen Output                                                                                           |                   | 1100L  |
| 1100 Lumen                                                                                             | 1100L             |        |
| Color Temperature                                                                                      |                   |        |
| Warm Dim: 2700-1800K, 90+ CRI                                                                          | 92718W            |        |
| Warm Dim: 3000-1800K, 90+ CRI                                                                          | 93018W            |        |
| Optic                                                                                                  |                   |        |
| Tall Cone with 50° cut-off                                                                             | WWT               |        |
| Short Cone with 60° cut-off                                                                            | WWS               |        |
| 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                                                                                            |                   |        |
| Trimless Wood Ceiling Installation Kit<br>(One kit recommended per 10 downlights)                      | LC33-<br>WOOD-KIT |        |

fixture:

project:

TUNABLE WHITE HOUSING DETAILS



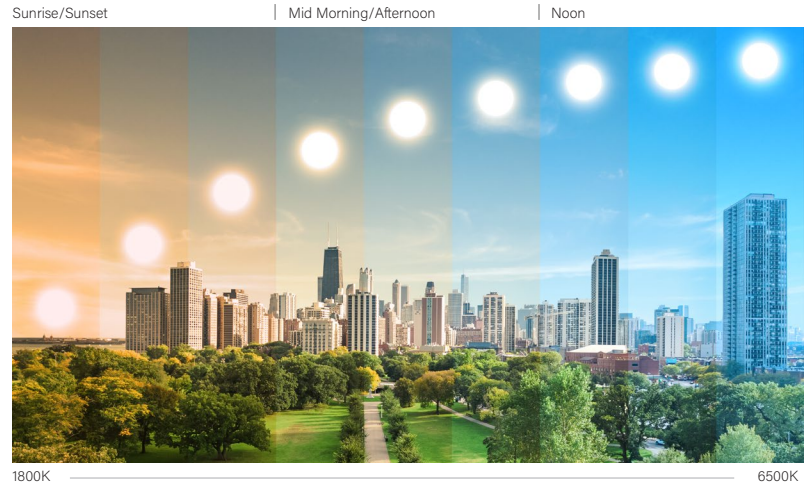
3.5" SQUARE WALL WASH PERFORMANCE TABLES

Based on Overlap, Tall Cone, Clear Diffuse.. Delivered lumen output may vary +/- 5%. Actual wattage may vary +/- 5%

| TUNABLE WHITE                         |              |                  |              |     |
|---------------------------------------|--------------|------------------|--------------|-----|
| CCT                                   | Lumen Output | Delivered Lumens | System Watts | LPW |
| 2700K<br>(2700-5000K &<br>2700-6500K) | 700L         | 711              | 16           | 43  |
|                                       | 900L         | 901              | 21           | 43  |
| 1800K<br>(1800-4000K)                 | 700L         | 709              | 24           | 30  |

The Comfort (1800K-4000K), Preference (2700K-5000K), and Activity (2700K-6500K) ranges give specifiers the tools to enhance spaces, mood, and alertness.

DAYLIGHT RANGE



1800K 6500K



TUNABLE WHITE

HOUSING ORDERING

| Housing Series                                                         |       | FLC33W |
|------------------------------------------------------------------------|-------|--------|
| ID+ 3.5" Square                                                        |       |        |
| Trim Type                                                              |       |        |
| Square Die-Cast Overlap                                                | SDO   |        |
| Square Die-Cast Trimless                                               | SDT   |        |
| Color Options                                                          |       |        |
| Tunable White: 1800-4000K<br>(700L only)                               | 1840T |        |
| Tunable White: 2700-5000K                                              | 2750T |        |
| Tunable White: 2700-6500K                                              | 2765T |        |
| Lumen Output                                                           |       |        |
| 700 Lumen                                                              | 700L  |        |
| 900 Lumen                                                              | 900L  |        |
| Voltage                                                                |       |        |
| 120V                                                                   | 120   |        |
| 277V                                                                   | 277   |        |
| Control System & Dimming Level                                         |       |        |
| 0-10V <1% Dimming                                                      | LZ1   |        |
| Lutron T-Series <1% Dimming                                            | LTZ   |        |
| DALI <1% Dimming                                                       | DZ1   |        |
| (Requires 2 addresses, one for light intensity & one for color tuning) |       |        |
| Housing Type                                                           |       |        |
| Thermally Protected, Non-IC                                            | T     |        |
| Thermally Protected, Non-IC Wood<br>(Trimless only. Wood kit required) | TW    |        |
| Factory Options                                                        |       |        |
| Bar Hangers                                                            | BH    |        |
| Chicago Plenum<br>(2750T & 2765T only)                                 | CP    |        |

TRIM & LED MODULE

| Aperture                                                          |        |  |
|-------------------------------------------------------------------|--------|--|
| 3.5" Square Reflector                                             | LC33   |  |
| 3.5" Square Airtight Reflector                                    | LC33AT |  |
| Trim Type                                                         |        |  |
| Square Die-Cast Overlap                                           | SDO    |  |
| Square Die-Cast Trimless                                          | SDT    |  |
| Color Options                                                     |        |  |
| (Trim & housing must match)                                       |        |  |
| Tunable White: 1800-4000K                                         | 1840T  |  |
| Tunable White: 2700-5000K                                         | 2750T  |  |
| Tunable White: 2700-6500K                                         | 2765T  |  |
| Lumen Output                                                      |        |  |
| (Trim & housing must match)                                       |        |  |
| 700 Lumen                                                         | 700L   |  |
| 900 Lumen                                                         | 900L   |  |
| Color Temperature                                                 |        |  |
| Tunable White: 1800-4000K, 90+ CRI                                | 91840T |  |
| Tunable White: 2700-5000K, 90+ CRI                                | 92750T |  |
| Tunable White: 2700-6500K, 90+ CRI                                | 92765T |  |
| Optic                                                             |        |  |
| Tall Cone with 50° cut-off                                        | WWT    |  |
| Short Cone with 60° cut-off                                       | WWS    |  |
| 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

|                                                                                   |                   |
|-----------------------------------------------------------------------------------|-------------------|
| Trimless Wood Ceiling Installation Kit<br>(One kit recommended per 10 downlights) | LC33-<br>WOOD-KIT |
|-----------------------------------------------------------------------------------|-------------------|

## Construction

Electrical

## Labels

### Outdoor Rated (OD) Driver Dimming Performance table

| Lumen Output | Minimum Dimming Level |
|--------------|-----------------------|
| 700L         | 20%                   |
| 900L         | 16%                   |
| 1100L        | 13%                   |
| 1300L        | 10%                   |
| 1500L        | 10%                   |

Derived from EPA TM-21 calculator. Based on typical conditions, consult factory for additional data.

## Warranty

## TRIM & LED SPECIFICATIONS

## Aesthetics

## Optics

### Color Lumen Multipliers

| CRI | STANDARD WHITE CCT |      |      |      | WARM DIM CCT RANGES |            | TUNABLE WHITE CCT RANGES |            |            |
|-----|--------------------|------|------|------|---------------------|------------|--------------------------|------------|------------|
|     | 2700               | 3000 | 3500 | 4000 | 2700-1800K          | 3000-1800K | 1800-4000K               | 2700-5000K | 2700-6500K |
| 80+ | 0.92               | 0.98 | 1.00 | 1.01 | -                   | -          | -                        | -          | -          |
| 90+ | 0.79               | 0.83 | 0.82 | 0.84 | 0.89                | 0.91       | 1.00                     | 1.00       | 1.00       |
| 97  | 0.67               | 0.72 | 0.73 | 0.76 | -                   | -          | -                        | -          | -          |

### Distribution Lumen Multipliers

| Trim Type                      | Optic                             | Distribution | Multiplier |
|--------------------------------|-----------------------------------|--------------|------------|
| Square Die-Cast Trimless [SDT] | Tall Cone with 50° cut-off [WWT]  | Wall Wash    | 1.09       |
|                                | Short Cone with 60° cut-off [WWS] | Wall Wash    | 1.32       |
| Square Die-Cast Overlap [SDO]  | Tall Cone with 50° cut-off [WWT]  | Wall Wash    | 1.02       |
|                                | Short Cone with 60° cut-off [WWS] | Wall Wash    | 1.22       |

### Color Lumen Multipliers

| Trim Type | Optic                             | Color              | Multiplier |
|-----------|-----------------------------------|--------------------|------------|
| ALL       | Tall Cone with 50° cut-off [WWT]  | Clear Diffuse [CD] | 1.00       |
|           |                                   | Warm Diffuse [WD]  | 0.94       |
|           |                                   | White [WH]         | 1.45       |
|           |                                   | Black [BK]         | 0.59       |
|           | Short Cone with 60° cut-off [WWS] | Clear Diffuse [CD] | 1.00       |
|           |                                   | Warm Diffuse [WD]  | 0.92       |
|           |                                   | White [WH]         | 1.32       |
|           |                                   | Black [BK]         | 0.68       |

## How To Use Lumen Multipliers

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

**Example:**  
LC33-SDO-SW-1100L-935K-WWS-WH  
 $(1100) \times (0.81) \times (1.32) \times (1.32) \approx 1552\text{lm}$  (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.

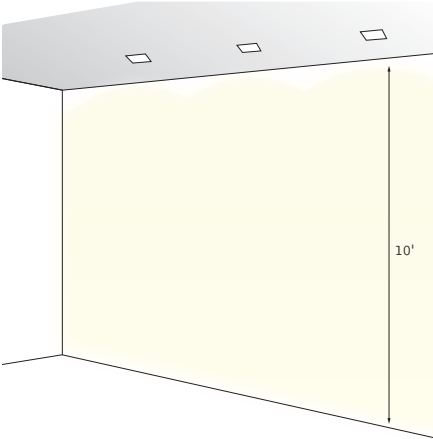
# ID+ 3.5" x 3.5"

LED WALL WASH

## WALL WASH DESIGN GUIDE - 1500 LUMEN, SHORT CONE (WWS) EXAMPLE

| Calculation<br>Point Distance<br>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"  | 6 6 6                 | 7 6 7    | 7 6 7    | 5 5 5                   | 5 5 5    | 6 5 6    | 4 4 4                 | 4 4 4    | 5 5 5    |
|                                               | 6"  | 9 9 9                 | 10 9 9   | 10 9 10  | 7 7 7                   | 8 7 7    | 8 7 7    | 6 6 6                 | 6 6 6    | 6 6 6    |
|                                               | 9"  | 13 14 13              | 14 13 13 | 14 13 14 | 10 11 10                | 10 10 10 | 10 10 10 | 8 9 8                 | 8 8 8    | 8 9 8    |
|                                               | 12" | 17 18 17              | 17 17 17 | 17 16 17 | 13 14 12                | 13 13 13 | 12 13 12 | 10 11 10              | 10 10 10 | 10 10 10 |
| 2'                                            |     | 18 20 19              | 19 19 19 | 19 18 19 | 14 15 14                | 14 14 14 | 14 14 14 | 11 12 11              | 11 12 11 | 11 11 11 |
| 3'                                            |     | 25 28 25              | 24 26 24 | 23 24 23 | 19 21 19                | 18 20 18 | 17 18 17 | 15 17 15              | 14 15 14 | 14 15 14 |
| 4'                                            |     | 28 32 28              | 26 29 26 | 24 26 24 | 23 27 23                | 21 24 21 | 20 22 20 | 18 21 18              | 17 20 17 | 16 18 16 |
| 5'                                            |     | 25 29 25              | 23 27 23 | 22 24 22 | 23 26 23                | 21 25 21 | 20 23 20 | 20 23 20              | 19 22 19 | 17 20 17 |
| 6'                                            |     | 20 23 20              | 19 22 19 | 18 20 18 | 20 23 20                | 19 22 19 | 18 20 18 | 19 22 19              | 18 20 18 | 17 19 17 |
| 7'                                            |     | 17 19 17              | 16 18 16 | 15 17 15 | 17 19 17                | 16 18 16 | 15 17 15 | 17 19 17              | 16 18 16 | 15 17 15 |
| 8'                                            |     | 14 15 14              | 13 15 13 | 12 14 12 | 15 16 15                | 14 15 14 | 13 15 13 | 15 16 15              | 14 16 14 | 13 15 13 |
| 9'                                            |     | 12 13 12              | 11 12 11 | 11 12 11 | 12 14 12                | 12 13 12 | 11 13 11 | 13 14 13              | 12 13 12 | 11 13 11 |
| 10'                                           |     | 8 8 8                 | 7 8 7    | 7 8 7    | 8 9 8                   | 8 9 8    | 7 8 7    | 9 9 9                 | 8 9 8    | 8 9 8    |

IES File: FLC33W-SDO-SW-1500L-SDO-SW-1500L-35K-WWS-CD. Parameters: 80/50/20 reflectances, LLF=.09.



## WALL WASH DESIGN GUIDE - 1500 LUMEN, TALL CONE (WWT) EXAMPLE

| Calculation<br>Point Distance<br>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"  | 4 4 4                 | 4 4 4    | 5 4 5    | 3 3 3                   | 4 3 4    | 4 4 4    | 3 3 3                 | 3 3 3    | 3 3 3    |
|                                               | 6"  | 6 6 6                 | 6 6 6    | 7 6 7    | 4 4 4                   | 5 5 5    | 5 5 5    | 4 4 4                 | 4 4 4    | 4 4 4    |
|                                               | 9"  | 9 10 9                | 10 9 10  | 10 9 10  | 7 7 7                   | 7 7 7    | 7 7 7    | 5 6 5                 | 6 6 5    | 6 6 6    |
|                                               | 12" | 12 13 12              | 12 12 12 | 13 12 12 | 9 10 9                  | 9 9 9    | 9 9 9    | 7 8 7                 | 7 7 7    | 7 8 7    |
|                                               | 2'  | 14 15 14              | 14 14 14 | 14 14 14 | 10 11 10                | 11 11 11 | 11 11 11 | 8 9 8                 | 8 9 8    | 8 9 8    |
|                                               | 3'  | 17 18 17              | 16 17 16 | 16 16 16 | 13 15 13                | 13 14 13 | 13 13 13 | 11 12 11              | 10 11 10 | 10 11 10 |
|                                               | 4'  | 19 22 19              | 18 19 18 | 17 18 17 | 15 17 15                | 14 16 14 | 13 15 13 | 12 14 12              | 12 13 12 | 11 12 11 |
|                                               | 5'  | 19 23 19              | 18 20 18 | 17 18 17 | 16 19 16                | 15 17 15 | 14 16 14 | 13 16 13              | 13 14 13 | 12 13 12 |
|                                               | 6'  | 17 20 17              | 16 19 16 | 15 17 15 | 16 19 16                | 15 17 15 | 14 16 14 | 14 16 14              | 13 15 13 | 12 14 12 |
|                                               | 7'  | 15 17 15              | 14 16 14 | 13 15 13 | 14 17 15                | 14 16 14 | 13 15 13 | 14 16 14              | 13 15 13 | 12 14 12 |
|                                               | 8'  | 13 14 13              | 12 14 12 | 11 13 11 | 13 14 13                | 12 14 12 | 11 13 11 | 13 14 13              | 12 14 12 | 11 13 11 |
|                                               | 9'  | 11 12 11              | 10 12 10 | 10 11 10 | 11 13 11                | 11 12 11 | 10 12 10 | 11 13 11              | 11 12 11 | 10 12 10 |
|                                               | 10' | 7 8 7                 | 7 8 7    | 6 7 6    | 8 8 8                   | 7 8 7    | 7 8 7    | 8 9 8                 | 7 8 7    | 7 8 7    |

IES File: FLC33W-SDO-SW-1500L-SDO-SW-1500L-35K-WWT-CD. Parameters: 80/50/20 reflectances, LLF=.09.