

ID+ 3.5" x 3.5"

OVERLAP & TRIMLESS LED WALL WASH



white painted



clear diffuse



warm diffuse



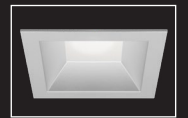
black painted



optional painted flange



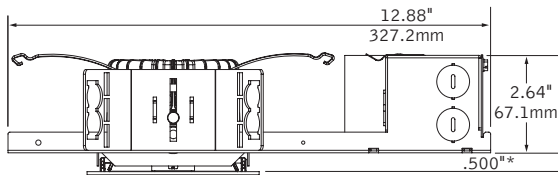
Downlight companion



Adjustable Accent companion

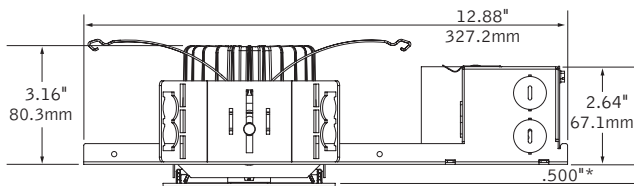
DIMENSIONAL DATA

60° cut-off reflector

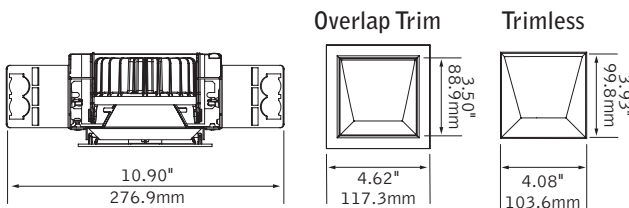


Housing height with DALI, Lutron & LZ1 drivers is 3.0"

50° cut-off reflector



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



FEATURES

Less than 2.64" low profile housing available.

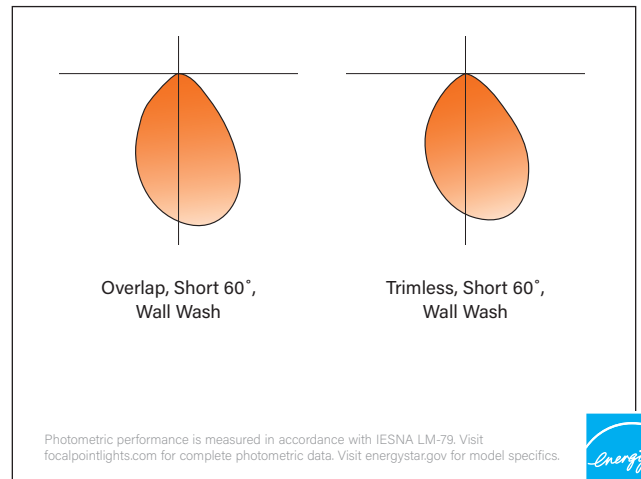
50° cut-off and 60° cut-off reflector options available.

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



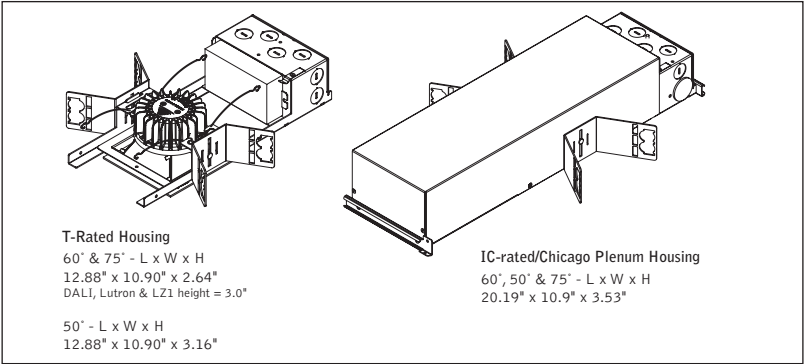
Photometric performance is measured in accordance with IESNA LM-79. Visit focalpointlights.com for complete photometric data. Visit energystar.gov for model specifics.



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, 80CRI	700L	712	11	64
	900L	913	16	56
	1100L	1104	19	58
	1300L	1299	22	58
	1500L	1533	26	59

STANDARD WHITE

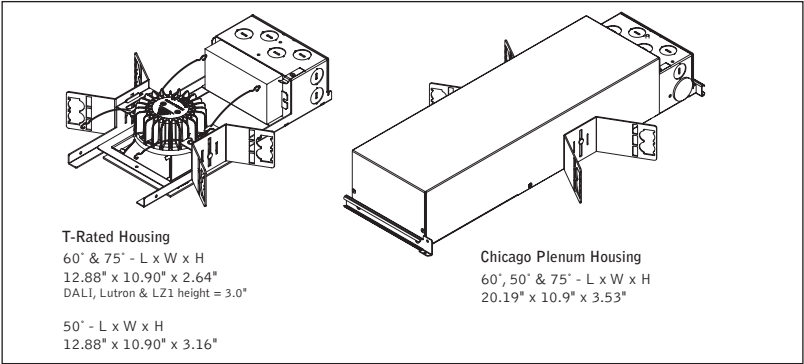
HOUSING ORDERING

Housing Series	FLC33W	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) - 1% Dimming	LTE	
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 Airtight Reflector	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- WOOD-KIT	
(One kit recommended per 10 downlights)		

fixture:

project:

WARM DIM HOUSING DETAILS

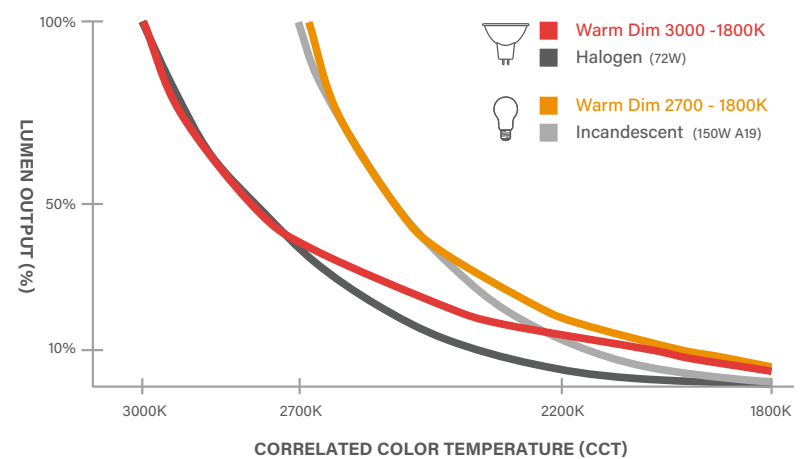


3.5" SQUARE WALL WASH PERFORMANCE TABLE

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

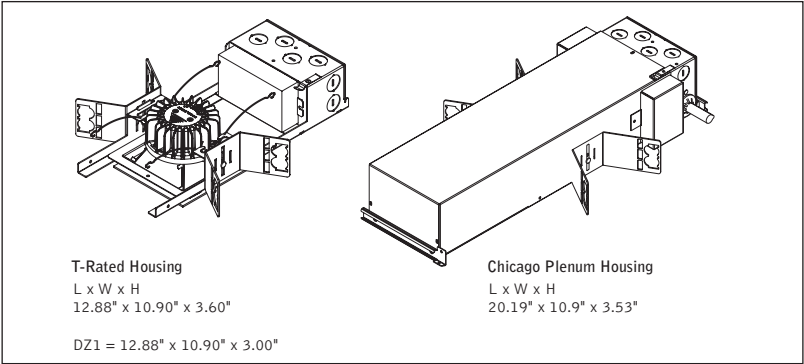
HOUSING ORDERING

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 (LTE not available.)	IC	
Thermally Protected, Non-IC	T	
Thermally Protected, Non-IC Wood (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 (One kit recommended per 10 downlights)	LC33- WOOD-KIT	

fixture:

project:

TUNABLE WHITE HOUSING DETAILS



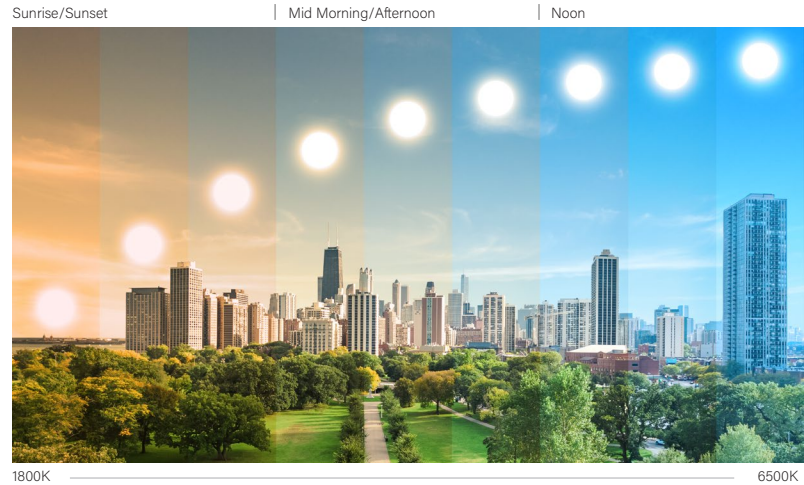
3.5" SQUARE WALL WASH PERFORMANCE TABLES

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 (2700-5000K & 2700-6500K)	700L	711	16	43
	900L	901	21	43
1800K (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 (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 (Trimless only. Wood kit required)	TW	
Factory Options		
Bar Hangers	BH	
Chicago Plenum (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 (One kit recommended per 10 downlights)	LC33- WOOD-KIT
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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) x (0.81) x (1.32) x (1.32) \approx 1552lm (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.

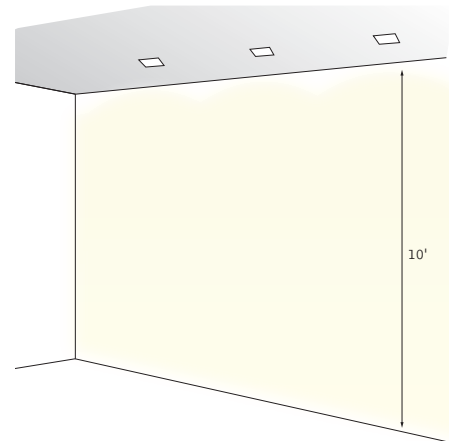
ID+ 3.5" x 3.5"

LED WALL WASH

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

Calculation 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"	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 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"	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.