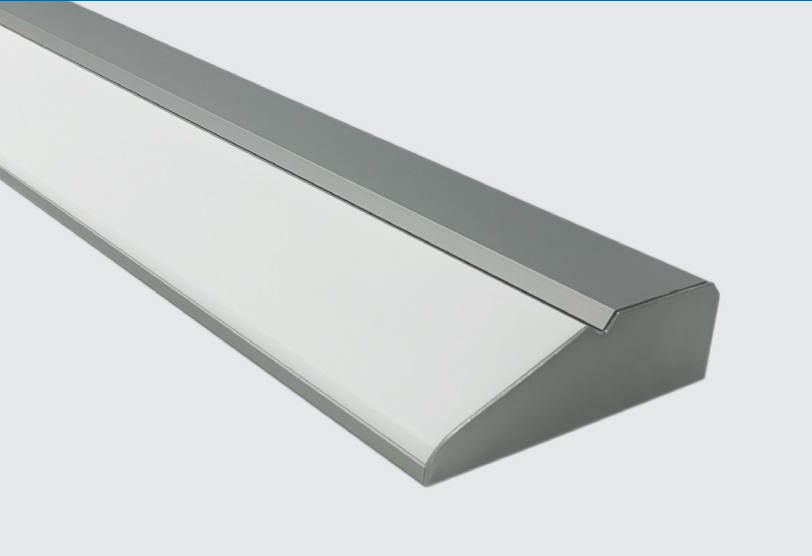


# COVE 5 (CV5) SERIES

HIGH PERFORMANCE COVE / INDIRECT LIGHTING



PROJECT

TYPE

NOTES

## FEATURES

### CONSTRUCTION

High quality precision extruded aluminum that has a superior strength-to-weight ratio than steel allowing for longer runs and a premium finish and wide spread acrylic lens for broad even light distribution.

### ASYMMETRIC LIGHT DISTRIBUTION

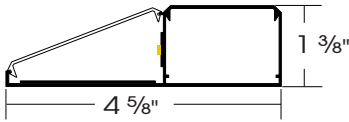
A carefully designed asymmetric light distribution, focusing light in one direction while providing smoother illumination compared to symmetric light distributions.

### VERSATILE SOLUTION

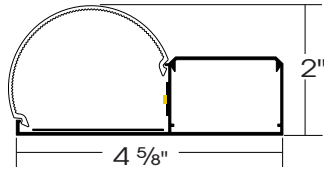
The CV5 is a highly versatile lighting solution, perfectly suited for a wide range of applications. Whether it's wall washing, wall grazing, or serving as a wall sconce, the CV5 delivers. Its adaptability extends to both regular and inverted cove lighting solutions, making it an ideal choice for various architectural and design scenarios due to the consistent and reliable illumination tailored to specific needs.

### CUSTOMIZATION

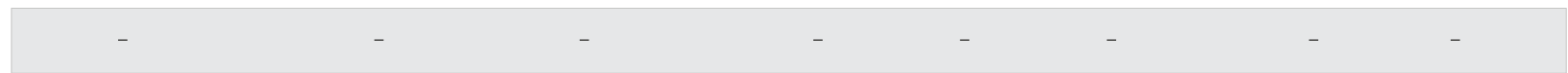
The wider housing enables easy integration of various new LED types, colors, drivers, finishes, configurations, and mounting options, allowing you to fully customize your fixture to meet specific needs.



CV5-FL



CV5-RL



SERIES	LED TYPE	LUMENS	REMOTE DRIVER	OPTIONS	ENDCAPS	MOUNTING	FINISH	LENGTH
CV5-FL	<b>STANDARD LED</b>	<b>FOR STANDARD LED</b>	<b>FOR STANDARD LED</b>	<b>EM PACKS</b>	<b>STANDARD</b>	<b>SURFACE MOUNT</b>		2'
	27K 2700k	L LOW	UNV0% 0-10V0%	EM1	BEK	SMF	W WHITE	3'
CV5-RL	30K 3000k	M MEDIUM	UNV1% 0-10V1%	800 LUMENS	BOTH END K/O	SMW	S SATIN	4'
	35K 3500k	H HIGH	UNV10% 0-10V10%	EM2	ONE END K/O	SMV	B BLACK	5'
	40K 4000k	CL CUSTOM LUMENS	UNVCD% 0-10VCD	1400 LUMENS		JBP	C CUSTOM	6'
			TRIAC 2 WIRE		BE		A ANTI MICROBIAL	7'
			DALI DALI	<b>SENSORS</b>	BLANK ENDS	<b>CABLE SUSPENDED</b>		8'
			LTRN LUTRON	MSP	FD	CSHD(48 or 72)		9'
	<b>SPECIAL LED</b>	<b>FOR SPECIAL LED</b>	<b>FOR SPECIAL LED</b>	BI-LEVEL SENSOR	FIELD DRILL	CSHU(48 or 72)		10'
	R RED	Specify required lumens	Refer to driver options in compatibility chart		<b>ARCHITECTURAL</b>	CSV(48 or 72)		11'
	G GREEN	or	or		ABE			12'
	B BLUE	consult factory	consult factory		BLANK ENDS			OTHER SPECIFY
	RGBW RGBW							PTN
	DTW DIM TO WARM							
	TW TUNABLE WHITE							
Refer to PG.1,2	Refer to PG. 3	Refer to PG. 3	Refer to PG. 3	Refer to PG. 4	Refer to PG. 4	Refer to PG. 5 -6	Refer to PG. 7	Refer to PG. 7

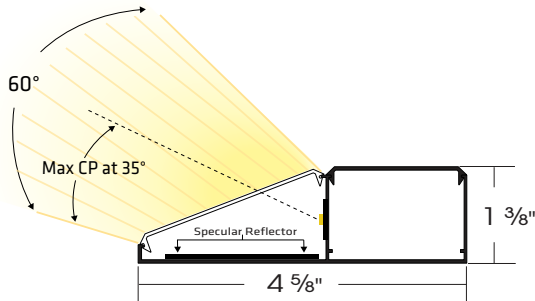


# COVE 5 (CV5) SERIES

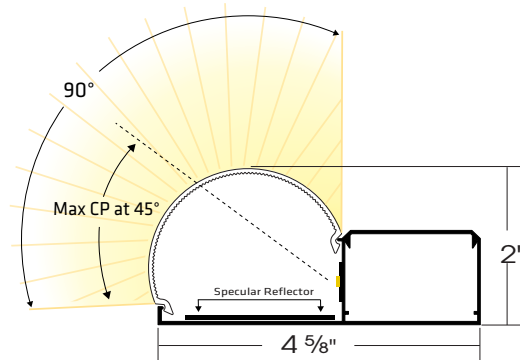
## SERIES - SPECIFICATIONS



### SERIES



**CV5-FL**  
COVE 5 FLAT LENS



**CV5-RL**  
COVE 5 ROUNDED LENS

## SPECIFICATIONS

### HOUSING

High quality extruded aluminum snap together housing up to 12' long. Continuous longer runs can be made in the field by connecting multiple fixtures using our internal joiners.

### REFLECTORS

High specular reflector installed inside the fixture to improve light performance.

### LENS

Extruded flat and rounded snap on DR acrylic with white frosted finish for widespread and even light distribution.

### LED'S

**Standard** LED'S 60,000 hours. (L70), High uniformity 90CRI, 2700K TO 4000K, refer to page 3 for lumen details and options.

**Special** LED'S red, green, blue, RGBW, Dim to warm, Tunable white, refer to page 3 for details and options.

### LED DRIVERS

Integral, universal voltage (120/277), 0-10V with custom program dimming options, Triac, Dali, Lutron, refer to page 3 for details and options.

### OPTIONS

**EM Packs** and **Sensors**, refer to page 4 details and options. Consult factory for other options requirements not show.

### ENDCAPS

Aluminum, pre-installed, **Standard** or **Architectural** endcaps that match housing finish, refer to page 4 for details and options.

### MOUNTING

**Surface Mount** and **Cable Suspended**, refer to page 5 for details and options.

### FINISH

Powder coat and Satin anodized. White, satin and black are standard finishes, refer to page 7 for more details, custom colors and antimicrobial finish options.

### FIXTURE LENGTHS

Refer to page 7 for standard and custom lengths and patterns options

### COMPLIANCE CERTIFICATIONS



# COVE 5 (CV5) SERIES

## LED TYPES-DRIVERS-COMPATIBILITY



### LED TYPES

STANDARD LED'S			DESCRIPTION								
COLOR		CRI	(L) LOW LUMENS			(M) MEDIUM LUMENS			(H) HIGH LUMENS		
27k	2700K	CRI 90	433 L/FT	3.5 W/FT	120 L/W	760 L/FT	6.5 W/FT	117 L/W	1026 L/FT	9.0 W/FT	114 L/W
30k	3000K	CRI 90	448 L/FT	3.5 W/FT	124 L/W	787 L/FT	6.5 W/FT	121 L/W	1062 L/FT	9.0 W/FT	118 L/W
35k	3500K	CRI 90	463 L/FT	3.5 W/FT	129 L/W	814 L/FT	6.5 W/FT	125 L/W	1098 L/FT	9.0 W/FT	122 L/W
40k	4000K	CRI 90	478 L/FT	3.5 W/FT	133 L/W	840 L/FT	6.5 W/FT	129 L/W	1134 L/FT	9.0 W/FT	126 L/W

(CL) Custom Lumens. Custom and higher lumen available. Other colors and higher Kelvin also available, consult factory.

SPECIAL LED'S	DESCRIPTION		LUMENS
R	RED	Static Red LED	Specify Required Lumens or Consult factory
G	GREEN	Static Green LED	
B	BLUE	Static Blue LED	
RGBW	RGBW	Color Tuning	
DTW	DIM TO WARM	4000k - 1800K	
TW	TUNABLE WHITE	2700k - 6500k	

Specify or consult factory for any other type of LED requirements not shown above such as led type, LED color, lumens, etc.

### LED DRIVERS (Integral)

DRIVER	DESCRIPTION			
UNV0%	0 - 10V Dimming Driver	0% Dimming ( Dim to Off)	120/277V	( 347V Available )
UNV1%	0 - 10V Dimming Driver	1% Dimming	120/277V	( 347V Available )
UNV10%	0 - 10V Dimming Driver	10% Dimming	120/277V	( 347V Available )
UNV(CD)%	0 - 10V Dimming Driver	Custom Dimming (Specify %)	120/277V	( 347V Available )
TRIAC	2 Wire Dimming Driver	2 Wire Phase Triac Dimming	120/277V	
DALI	Dali Dimming Driver	Dali, Specify Dali Type Required	120/277V	( 347V Available )
LTRN	Lutron Dimming Driver	Lutron, Specify Type Required	120/277V	

Specify or consult factory for any other type of LED DRIVER requirements not shown above.

### LED TYPES & DRIVERS COMPATIBILITY

STANDARD LED'S	DRIVER						
27k	UNV0%	UNV1%	UNV10%	UNV(CD)%	TRIAC	DALI	LUTRON
30k	UNV0%	UNV1%	UNV10%	UNV(CD)%	TRIAC	DALI	LUTRON
35k	UNV0%	UNV1%	UNV10%	UNV(CD)%	TRIAC	DALI	LUTRON
40k	UNV0%	UNV1%	UNV10%	UNV(CD)%	TRIAC	DALI	LUTRON
SPECIAL LED'S	UNV0%	UNV1%	UNV10%	UNV(CD)%	TRIAC	DALI	LUTRON
R	UNV0%	UNV1%	UNV10%	UNV(CD)%	TRIAC	DALI	LUTRON
G	UNV0%	UNV1%	UNV10%	UNV(CD)%	TRIAC	DALI	LUTRON
B	UNV0%	UNV1%	UNV10%	UNV(CD)%	TRIAC	DALI	LUTRON
RGBW						DALI	LUTRON
DTW	UNV0%	UNV1%	UNV10%	UNV(CD)%		DALI	LUTRON
TW	UNV0%	UNV1%	UNV10%	UNV(CD)%		DALI	LUTRON

Specify or consult factory for any other type of LED DRIVER requirements not shown above.

# COVE 5 (CV5) SERIES

## EM PACKS - SENSORS - ENDCAPS



### EM PACKS

EM PACKS are pre-installed inside the fixture with test-switch also included and pre-installed. Depending on the application, the test switch / charger indicator will be installed on top or side of the fixture. Specify or consult factory for other type of emergency lighting requirements.

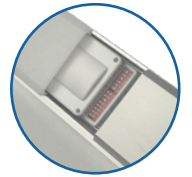
PART NO.	LUMENS	OPERATION TIME
EM1	800 LUMENS	90 MINUTES
EM2	1400 LUMENS	90 MINUTES



### SENSORS

Bi-level motion sensors are pre-installed and need to be programmed in the field, programming instructions are included. Not recommended for cove lighting or any other obstructed areas that doesn't allow the sensor to operate properly. Specify or consult factory for other type of sensors requirements.

PART NO.	DESCRIPTION
MSP	BI-LEVEL MOTION SENSOR

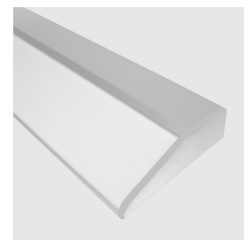


### ENDCAPS

Aluminum construction and pre-installed  
Two style endcaps, standard with or with out K/O's and architectural plain endcaps.  
Endcap matches housing finish.



**STANDARD ENDCAPS**



**ARCHITECTURAL ENDCAPS**

PART NO.	DESCRIPTION
BEK	BOTH ENDS K/O
OEK	ONE END K/O
BE	BLANK ENDCAPS
FD	FIELD DRILL (BLANK ENDS)

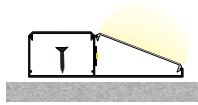
PART NO.	DESCRIPTION
ABE	3/16" PLATE BLANK ENDCAPS (Back center or field drill k/o on fixture for surface mount)

# COVE 5 (CV5) SERIES

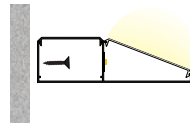
## MOUNTING OPTIONS



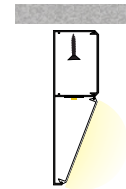
### SURFACE MOUNT



**SMF**  
SURFACE MOUNT FLAT  
(up or down light)



**SMW**  
SURFACE MOUNT WALL  
(up or down light)  
(Not ADA at 28-80" height from floor)



**SMV**  
SURFACE MOUNT VERTICAL

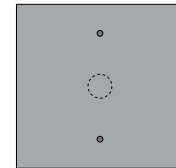
#### MOUNTING DETAILS



¼" MOUNTING HOLES      C/L  
½" BACK CENTER SERVICE HOLE

- ¼" Mounting holes provided evenly spaced on back channel.
- ½" Back center service hole for snap-in connector provided for surface mount applications when using standard blank or architectural endcap
- (FD) Field drilled optional..
- 2' fixtures require off center service hole due to 12" driver

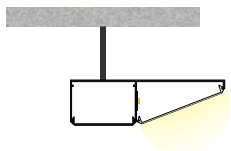
**Note:** Narrow side of housing will not cover recessed J Box, whip feed recommended. Use optional "JBP" canopy plate for J-Box mount. (See picture above)



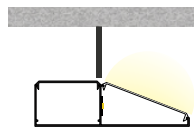
**J BOX PLATE**

PART NO.	DESCRIPTION
JBP	5" Flat canopy plate to cover J-Box (Optional) (JBP matches fixture finish)

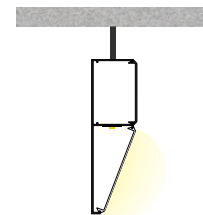
### PENDANT MOUNT



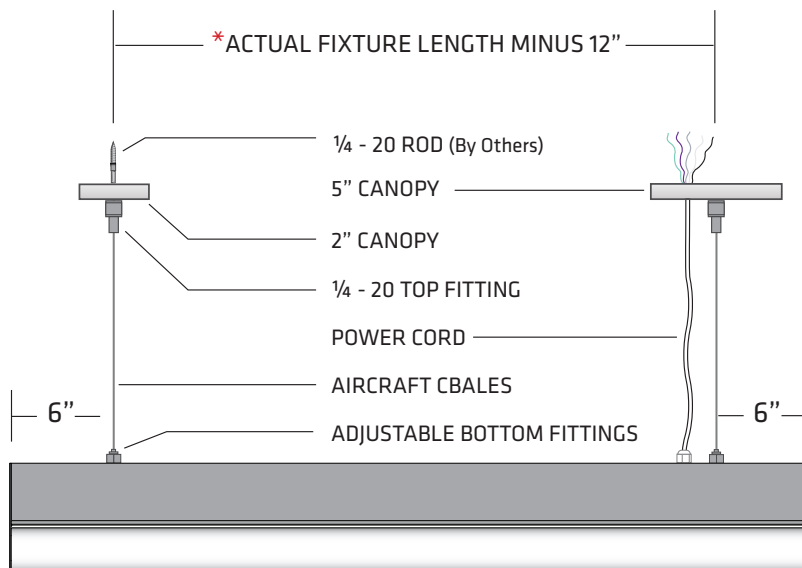
**CSHD (48 or 72")**  
CABLE SUSPENDED  
HORIZONTAL DOWN LIGHT



**CSHU (48 or 72")**  
CABLE SUSPENDED  
HORIZONTAL UP LIGHT



**CSV(48 or 72")**  
CABLE SUSPENDED VERTICAL



#### CABLE SUSPENSION KIT 48" AND 72"

##### EACH SUSPENSION KIT INCLUDES:

- (1) 5" White canopy with mounting hardware
- (1) 2" White canopy
- (2) Top fittings for ¼-20 Rod
- (1) Power cord pre-wired to fixture 18/5 white SVT
- (2) Aircraft cables 48" or 72", (other lengths available)
- (2) Adjustable bottom fittings pre-attached to fixture

- \* Canopies white finish standard, consult factory for other finishes
- \* Custom pendant spacing available, specify or consult factory
- \* Lengths over 8' require center cable support
- \* EM options include 18/6 power cord

# COVE 5 (CV5) SERIES

## FINISH - FIXTURE LENGTHS



### FINISH OPTIONS

Powder coat and sating anodized.

White, satin and black are standard finishes.

Custom colors and antimicrobial white finish also available.

White or satin finishes are recommended for cove and indirect lighting applications.

The actual color of the product may vary from what is seen on electronic devices.

We cannot guarantee that the color you see on your screen accurately reflects the true color of the product.



**W - WHITE**

(Powder Coat, Standard)



**S - SATIN**

(Clear Anodized, Standard)



**B - BLACK**

(Powder Coat, Standard)



**A - ANTI MICROBIAL**

(Powder Coat White  
Consult Factory)



**C - CUSTOM COLOR**

(Not standard, [provide RAL#](#))

### FIXTURE LENGTHS

Refer to the chart below for standard lengths.

Lengths can be ordered in shorter or longer lengths than the ones specified below.

12' Long is the maximum length in one single & continuous channel, longer lengths are made by connecting end to end multiple fixtures.

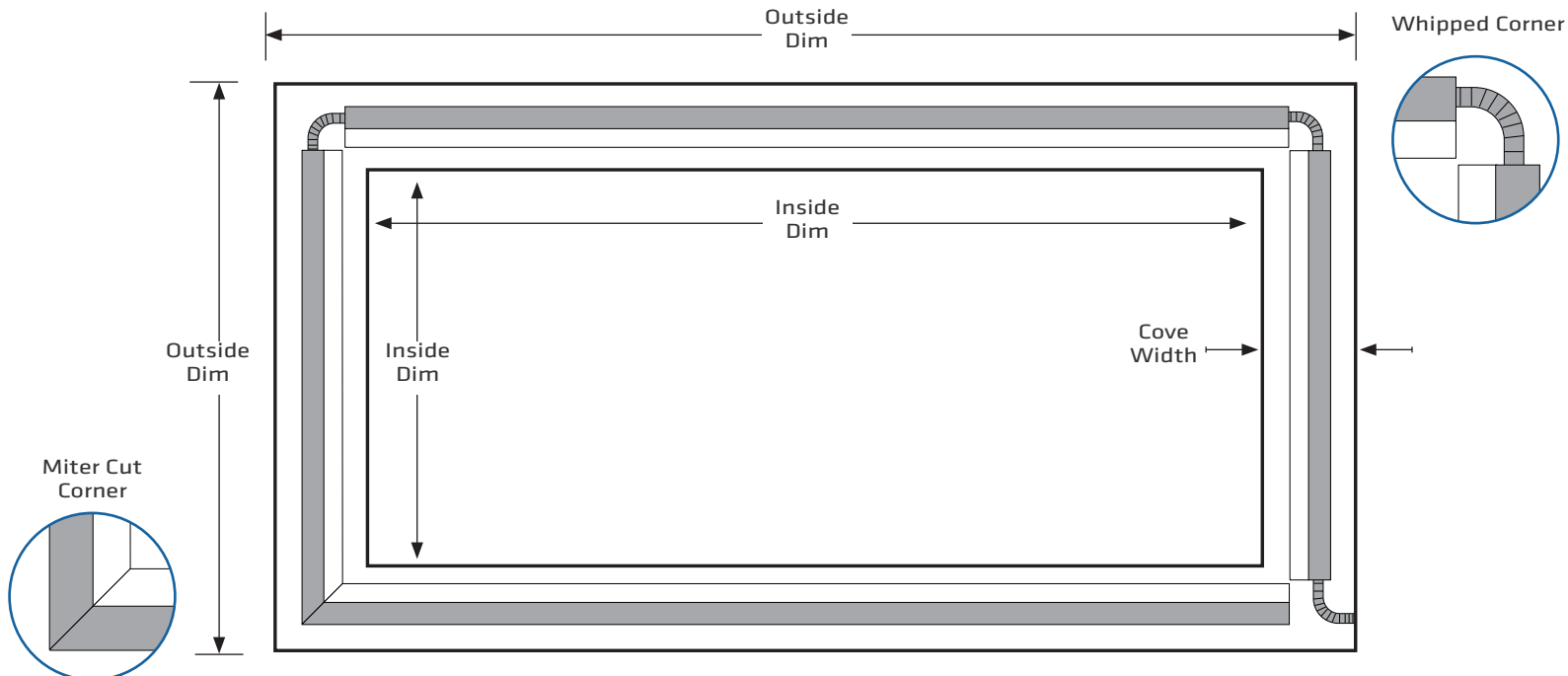
Custom patterns, and custom runs configuration require a drawing or template.

For cove lighting specify the overall length of your cove and we will determine the number and length of fixtures for the overall length required.

NOMINAL LENGTH	2'	3'	4'	5'	6'	7'	8'	9'	10'	11'	12'	OTHER SPECIFY	PTN Pattern
ACTUAL LENGTH	25"	34"	49"	56"	73"	89"	97"	111"	121"	133"	145"		

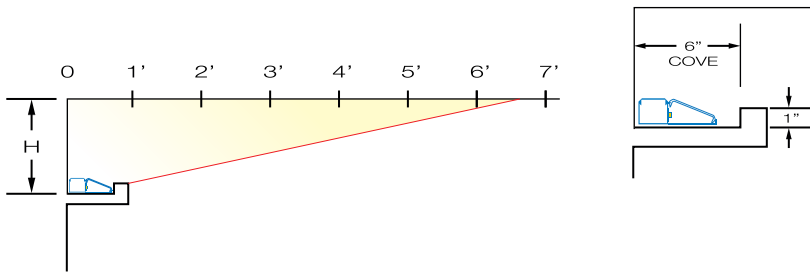
### PATTERNS

Whipped corners are the optimal solution and offer installation "wobble room" making exact tolerances less critical. For closed coffers we need at least 4 of the following 5 measurements for best results. Mitered corners are possible but require exact measurements.



# COVE 5 (CV5) SERIES

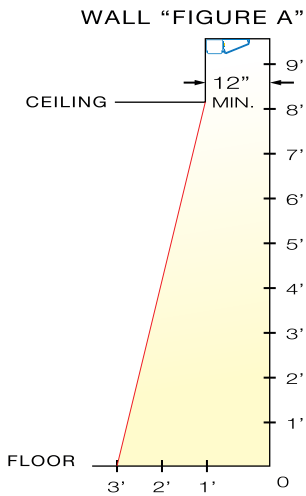
## LIGHTING GUIDE AND PHOTOMETRICS



### CEILING COVE FOOTCANDLES

H	1'	2'	3'	4'	5'	6'	7'	8'
12"	20	18	16	14	12	10	6	3
18"	18	16	14	12	10	6	5	3
24"	14	12	10	9	8	7	6	5
36"	12	10	9	8	7	6	5	2
48"	9	8	7	6	5	4	3	1

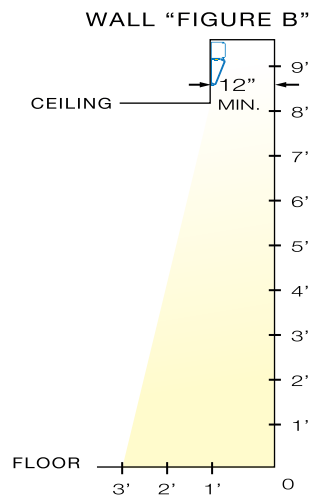
Calculation using "low lumen" 400 lumen/ft 3500K LED'S.



### "FIGURE A" WALL WASH FOOTCANDLES

	8'	7'	6'	5'	4'	3'	2'	1'
WALL	93	46	23	13	9	6	5	4
FLOOR			7	9	10	11	13	14

Calculation using "low lumen" 400 lumen/ft 3500K LED'S.

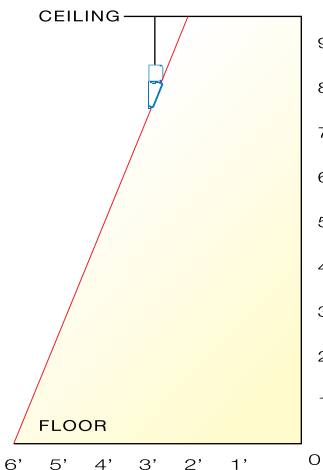


### "FIGURE B" WALL WASH FOOTCANDLES

	9'	8'	7'	6'	5'	4'	3'	2'	1'
WALL	123	46	20	11	7	5	4	3	2
FLOOR				4	5	5	5	4	14

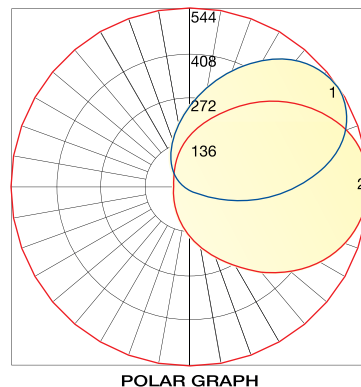
Calculation using "low lumen" 400 lumen/ft 3500K LED'S.

CABLE SUSPENDED  
WALL (SEE COVE FOOTCANDLES)  
FLOOR (SEE FIGURE B FOOTCANDLES)



### PHOTOMETRICS

FILE NAME: L10137802R01.IES



Maximum Candela = 544

Located at Horizontal Angle = 0 Vertical Angle = 125

#1 - Vertical Plane through Horizontal Angles (0-180) (Through Max. Cd.)

#2 - Horizontal Cone through Vertical Angle (125) (Through Max. Cd.)

SPECIFICATIONS ARE SUBJECT TO CHANGE DUE TO CONTINUOUS ADVANCES IN TECHNOLOGY  
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