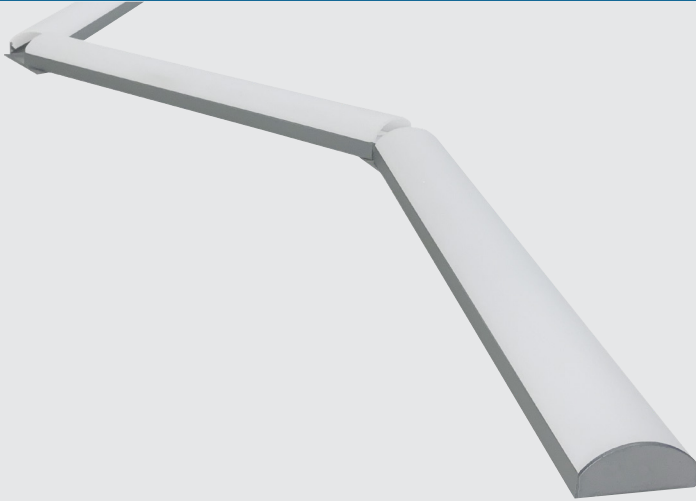


COVE 1 - (CV1) SERIES

FIELD CURVABLE COVE / INDIRECT LIGHTING



PROJECT

TYPE

NOTES

FEATURES

LOW PROFILE

Small designs for tight spaces, remote drivers.

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.

FIELD CURVABLE

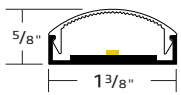
Field curvable feature allows you to shape the fixture to any architectural contour or curve as tight as a 2' radius.

STRAIGHT CONFIGURATION

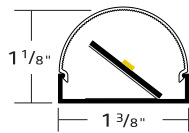
Continuous straight runs up to 12' in length with one single extrusion. Longer runs are made using multiple sections.

CUSTOMIZATION

Many options of the latest LED types, LED colors, drivers, finishes, configurations, mounting & lengths to customize your fixture.



CV1



CV1A



(FLX) FIELD CURVABLE



(ST) STRAIGHT

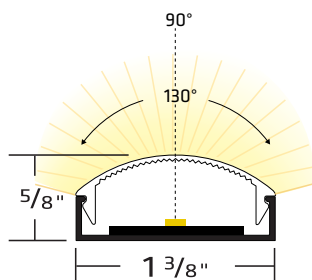
SERIES	LED TYPE	LUMENS	REMOTE DRIVER	CONFIGURATION	MOUNTING	FINISH	LENGTH
CV1 CV1 A	STANDARD LED	FOR STANDARD LED	FOR STANDARD LED	FLX FIELD CURVABLE ST STRAIGHT	SM STANDARD MOUNT TB TAB MOUNT (Optional)	W WHITE S SATIN B BLACK C CUSTOM	SPECIFY
	27K 2700k	L LOW	UNV0% 0-10V0%				
	30K 3000k	M MEDIUM	UNV1% 0-10V1%				
	35K 3500k	H HIGH	UNV10% 0-10V10%				
	40K 4000k	CL CUSTOM LUMENS	UNVCD% 0-10VCD				
			TRIAC 2 WIRE				
			DALI DALI				
			LTRN LUTRON				
	SPECIAL LED	FOR SPECIAL LED	FOR SPECIAL LED				
	R RED G GREEN B BLUE RGBW RGBW DTW DIM TO WARM TW TUNABLE WHITE	Specify required lumens or consult factory	Refer to driver options in compatibility chart or consult factory				
Refer to PG.1,2	Refer to PG. 3	Refer to PG. 3	Refer to PG. 3	Refer to PG. 4	Refer to PG. 5	Refer to PG. 5	Refer to PG.6

COVE 1 - (CV1) SERIES

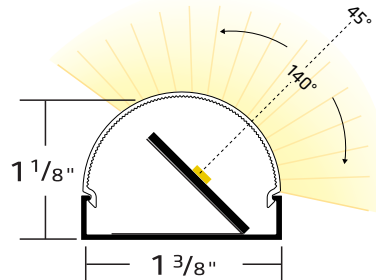
SERIES - SPECIFICATIONS



SERIES



CV1
COVE 1



CV1A
COVE 1 ASYMMETRIC

SPECIFICATIONS

HOUSING

High quality extruded aluminum snap together housing up to 12' long

LENS

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

LED'S

Standard LED'S 72,000 hours. (L70), High uniformity 90CRI, 2700K TO 4000K, refer to page 3 for lumen options and details.

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

LED DRIVERS

Remote, included, universal voltage (120/277), 0-1 OV with custom program dimming options, Triac, Dali, Lutron, refer to page 3 for LED driver options and details.

OPTIONS

(FLX) Field curvable or (ST) Straight configurations, consult factory for other options or requirements, refer to page 4 for details.

ENDCAPS

Pre-installed aluminum endcaps match housing finish.

MOUNTING

Two options, standard screw mount and tab screw mount, refer to page 5 for details.

FINISH

Powder coat and Satin anodized, refer to page 5 for standard and custom finish options.

FIXTURE LENGTHS

Custom lengths, specify the overall length required. Refer to page 6 for more details on fixture lengths.

LEADWIRE

Pre-wired 5' SJT standard. Longer available, refer to page 6 for more details.

COMPLIANCE CERTIFICATIONS



COVE 1 - (CV1) 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 (Remote only, drivers with enclosure are included)

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							
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.

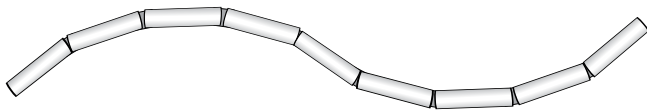
COVE 1 - (CV1) SERIES CONFIGURATIONS



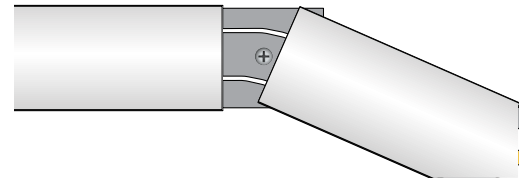
(FLX) - FLEXIBLE, FIELD CURVABLE

FLX configuration is flexible, field curvable, field adjustable & field connectable. Runs are shipped in pre-wired and pre-attached modules, and sections that join end to end. The number of fixtures and modules can vary depending on the overall run length of fixture and or cove requirements. See below for minimum cove width and radius recommended requirements. This system is quoted by the foot and not by fixtures or modules.

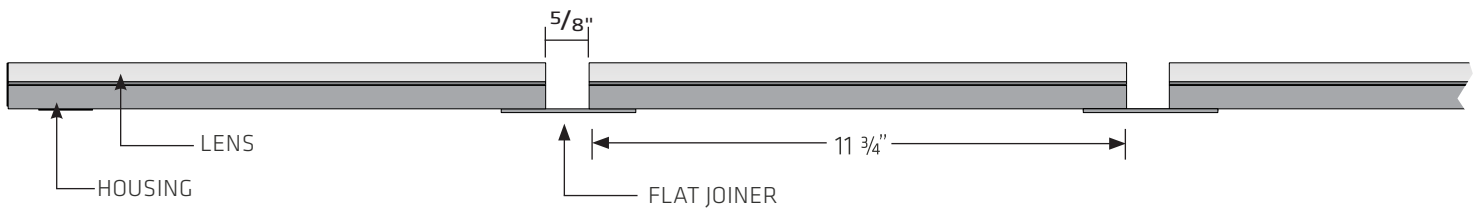
TOP VIEW



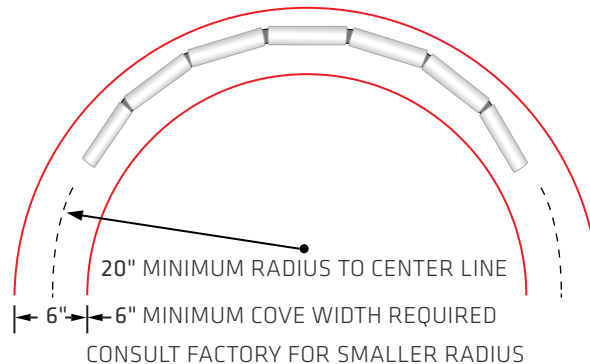
FLAT JOINER



SIDE VIEW



MINIMUM RADIUS AND COVE REQUIREMENTS



(ST) - STRAIGHT

Straight fixtures can be made up to 12' long. Longer runs can be made in the field by using multiple fixtures. The number and length of the fixtures can vary depending on the total lumens and watts requirements and pattern layout requirements. Straight fixtures are also quoted by the foot.

TOP VIEW

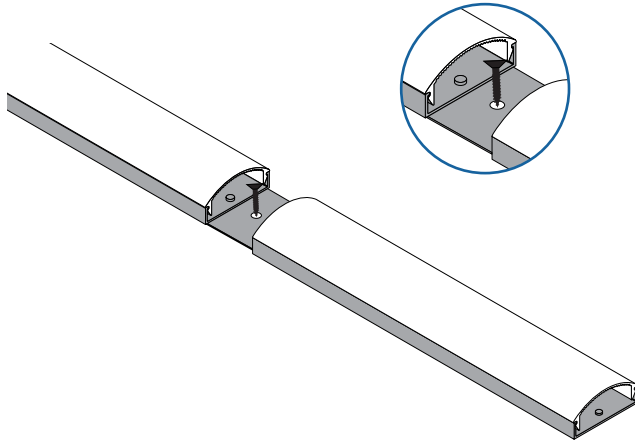


COVE 1 - (CV1) SERIES

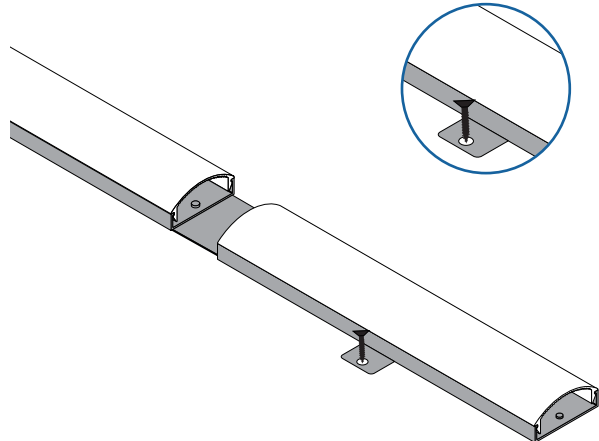
MOUNTING - FINISH



(FLX) MOUNTING OPTIONS

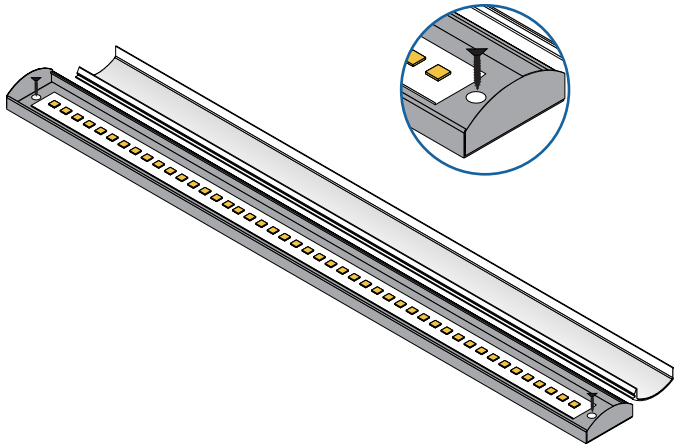


SM - STANDARD MOUNT

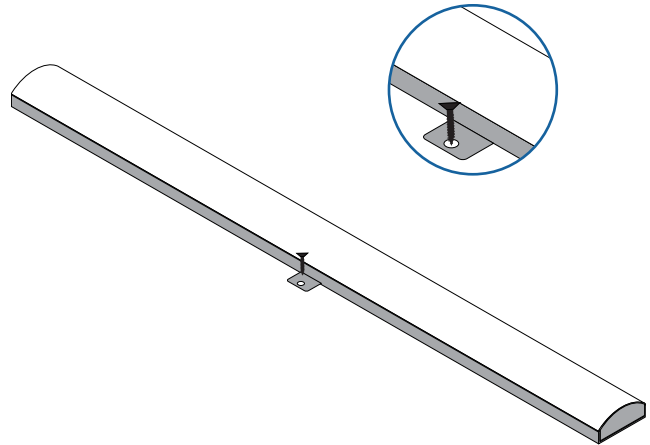


**TM - TAB MOUNT
(Optional)**

(ST) MOUNTING OPTIONS



SM - STANDARD MOUNT



**TM - TAB MOUNT
(Optional)**

FINISH OPTIONS

White & Satin are standard finishes.

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, not Standard)



C - CUSTOM COLOR

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

COVE 1 - (CV1) SERIES

FIXTURE LENGTHS AND LAYOUT

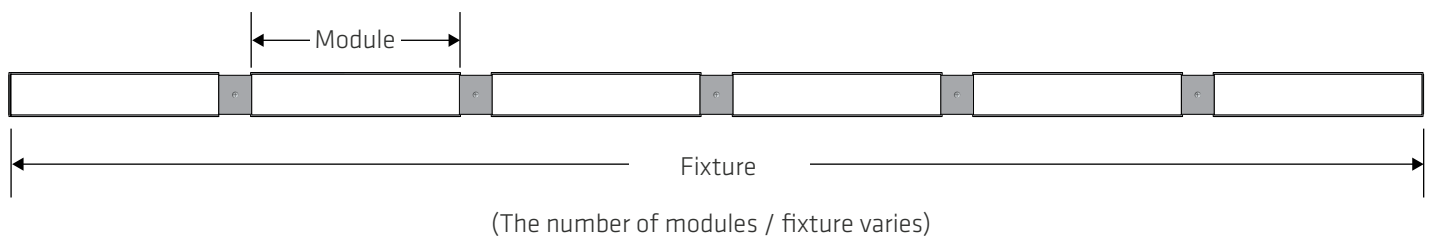
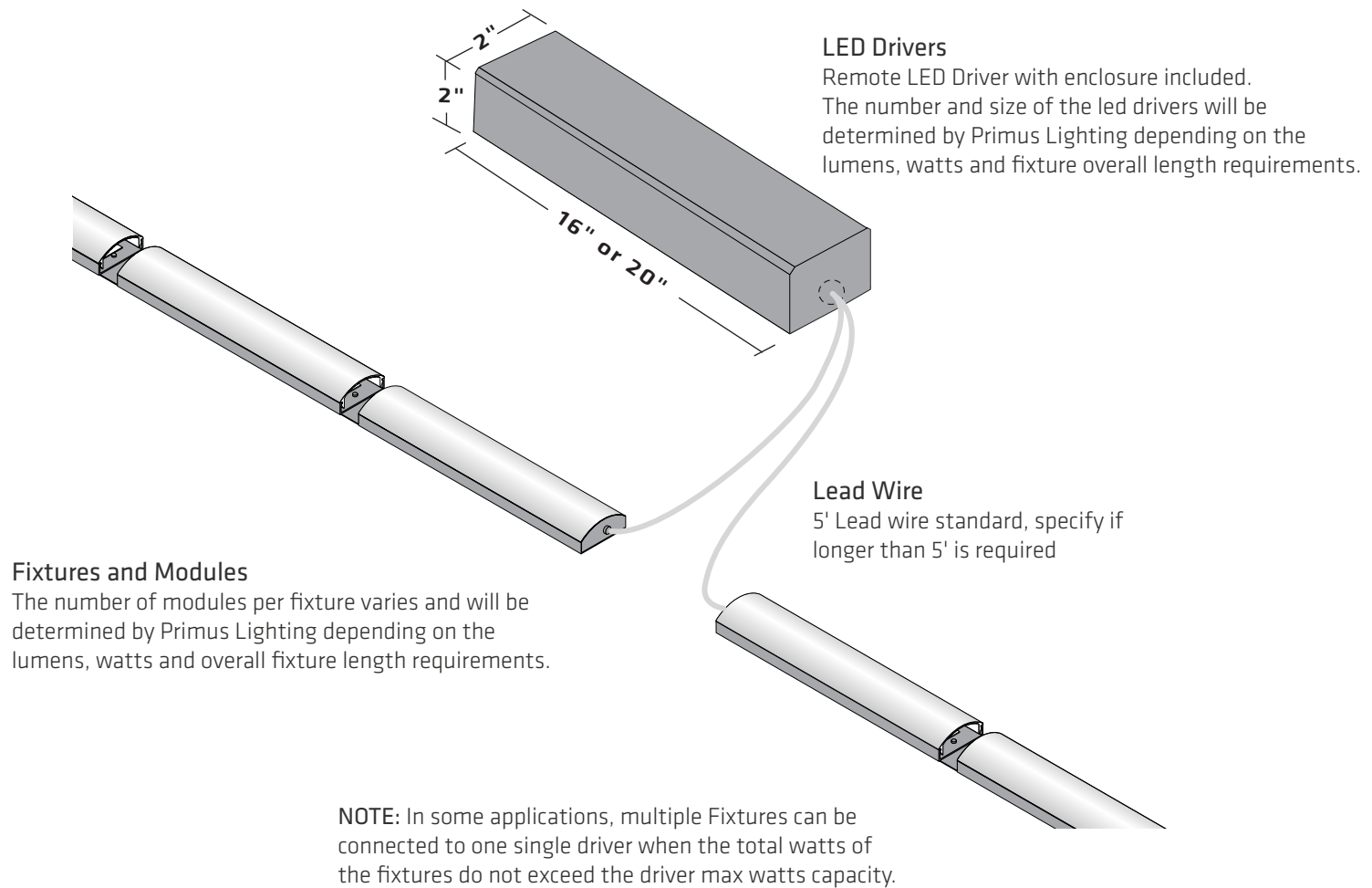


FIXTURE LENGTHS

(FLX)	FIELD CURVABLE	Specify the overall fixture lengths for both field curvable (FLX) and straight (ST) configurations in the part number length fillable text box found on page 1 (example: 25' 6") Fixture runs are built to the closest nominal length.
(ST)	STRAIGHT	

LAYOUT

See LED Drivers and fixtures layout below, this information applies to both configurations (ST) - Straight and (FLX) - Field Curvable fixtures.

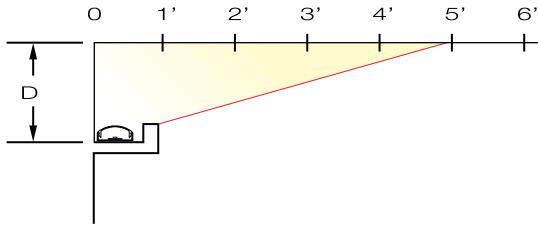


COVE 1 - (CV1) SERIES

LIGHTING GUIDE AND PHOTOMETRICS



CEILING COVE LIGHTING

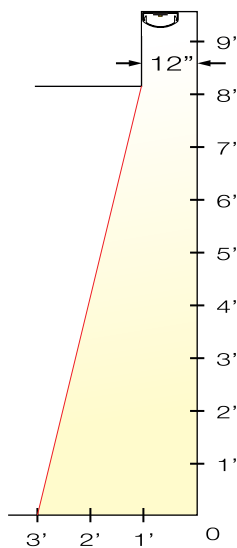


CEILING COVE FOOTCANDLES

D	1'	2'	3'	4'	5'	6'	7'	8'	9'
12"	110	21	5.7	3	1.6	1.3	1.1	1	1
18"	110	34	13.9	5	3.1	1.6	1.3	1.1	1.1
24"	102	42	17.8	9.5	4	2.7	1.9	1.6	1.1
36"	71	48	27.5	11.6	6.9	6.5	4.5	2.4	1.9

Calculation using "LOW" lumen board 625L x 3500K

WALL LIGHTING



FLOOR

WALL WASH COVE FOOTCANDLES

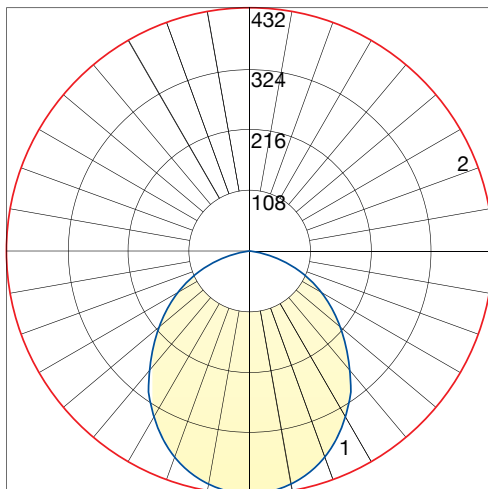
	1'	2'	3'	4'	5'	6'	7'	8'	9'
WALL	3.4	3.8	4.7	6.1	8.6	12.6	19.4	43	92
FLOOR	2.4	3.4	3.6	3.4	3.4	2.9	2.6	1.6	1.3

Calculation using "LOW" new lumen board 625L x 3500K

CONVERSION CHART

LUMENS	27K	3K	35K	4K
LOW	.90	.96	1	1.06
MEDIUM	1.75	1.86	1.97	2.05
HIGH	2.05	2.11	2.57	2.64

PHOTOMETRICS



FILE NAME: L10137801R01.IE S

POLAR GRAPH

Maximum Candela = 432

Located at Horizontal Angle = 0 Vertical Angle = 0

1 Vertical Plane Trough Horizontal Angles (0-180) (Trough Max. Cd.)

2 Horizontal Cone Trough Vertical Angle (0) (Trough Max. Cd.)