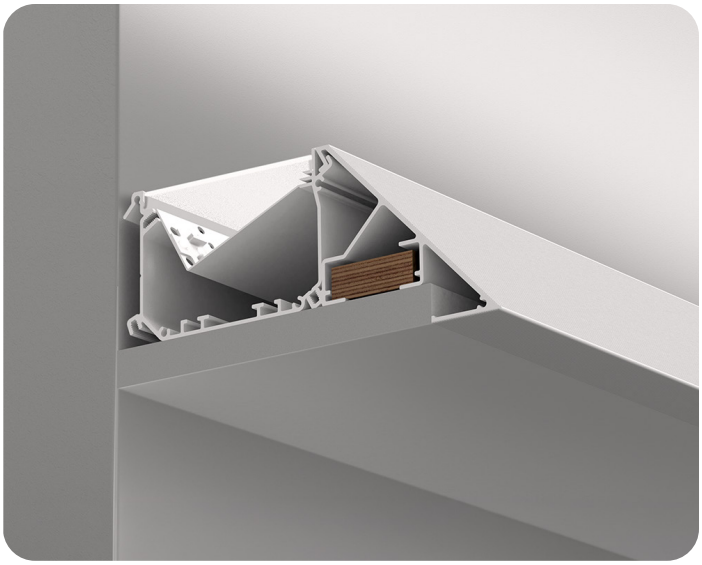
STARTEK
ARCHITECTURAL LIGHTING

Rep/Agent		Type	
Project			
Order No.		Date	

Cove Wall

Indirect



Key Features

- Extruded aluminum two piece housing
- 2', 4', 6' and 8' individual units or continuous rows
- Continuous runs available with proprietary joiner
- Compatible with wall-to-wall applications
- 0-10V dimming to 1% is standard
- Efficacy up to 130 lm/W
- Consult factory for TM21, TM30, LM79 and LM80

5 Year Warranty | BABA Compliant | BAA Compliant | Intertek | RoHS Compliant

Specifications

Construction

- Continuous extruded 6063 T5 aluminum

Dimensions

- Nominal dimensions: 3.125" x 7.25"

Finish

- Powder coated
- Colors: White, Black, or Premium Finishes
- End Caps: Color-matched to housing
- Custom colors available. Consult factory for more information.

Luminaire Length

- Standard individual lengths: 2', 4', 6' or 8'
- Fixture and run lengths are available in 1/16" increments.
- Using internal joiners, sections can be joined to form longer, continuous rows.

Source

- CCT options: 2700K, 3000K, 3500K, 4000K, or 5000K
- All within 3 MacAdam ellipses
- 90 CRI (R9 50 min) available
- L70 > 50,000 hours

Lensing

- 0.060" thick impact resistant acrylic lens
- Snap-in lens and reflector for easy install
- Soft diffuse indirect lighting

Operating Temperature

- -40°C to 50°C (-40°F to 122°F)

Lithium Ion Battery

- Provides up to 14W for 90 minutes.
- Certifications: UL924 listed, Class 2 compliant, and Title 20 CEC (California Energy Commission) compliant

Dimming Driver

- Constant current programmable LED driver
- Output current: 0-10V, dim to 1% (UL listed, Class P)
- Ring wave surge protection: 2.5KV ring
- Power factor: >0.93

Generator Transfer Device

- Luminaires with GTD option provides a UL924 shunt relay to bypass normal power, switches, and 0–10V dimming.

Certifications

- Build America Buy America compliant
- Buy American Act compliant
- Intertek cETLus Listed
- RoHS (Restriction of Hazardous Substances)
- JA8 compliant
- Suitable for dry and damp locations

Packaging

- Sustainably manufactured outside cardboard box and biodegradable, protective poly-foam luminaire inserts.

Warranty

- 5-year limited warranty.

The information in this document is subject to change without notice.
Contact STARTEK for most up to date product details.

Ordering Logic

COVE-20-500-SD-35K-80-PR-WM-K-U-1C-1EMB10

Series	Length	Indirect Output[1]	Indirect Distribution	CCT	CRI
COVE					
	XX - Run Length	**250 -** 250 LPF	**SD -** SatinIce Diffuse	**27K -** 2700K	**80 -** 80 CRI
	_X_L - L-Shape	**500 -** 500 LPF	**CW -** Ceiling Wash	**30K -** 3000K	**90 -** 90 CRI (R9 50 min)
	_X_RECT - Rectangle	**750 -** 750 LPF		**35K -** 3500K	
	CP - Custom Pattern	**1000 -** 1000 LPF		**40K -** 4000K	
		XXX - Custom LPF		**50K -** 5000K	
				TW - Tunable White[2] (2700K-6500K)	

Finish[3]	Mounting	Trim	Voltage	Circuiting	Emergency
	WM				
Standard Powder Coat	**WM -** Wall Mount	**K -** Knife Edge	**U -** 120-277V	**1C -** Single Circuit	**BLANK -** None
NF - No Finish[4]		**B -** Bullnose	**C -** 347V	**MC -** Multiple Circuits[7, 8]	**EC -** Emergency Circuit[11]
PW - White[5]				**DL -** Daylight Control[7, 9]	**#EMB6 -** 6W EM Battery[12, 13]
PB - Black				**NL -** Night Lights[7, 10]	**#EMB10 -** 10W EM Battery[12, 13]
Premium					**#FCEMB10 -** 10W EM Battery[12, 14]
RALXXXX - Powder Coat Gloss Finish					**#FCEMB14 -** 14W EM Battery[12, 14]
PSFX - Premium Stock Finish[6]					**#GTD -** Generator Transfer Device w/ ALCR[15]
Custom Powder Coat					
PO - Powder Other					

Options

Specialty Drivers[16]

DT1 - eldoLED EcoDrive Dim to 1% (0-10V)

DTZ - eldoLED SoloDrive Dim to 0.1% (0-10V)

PSRD - Philips Sensor Ready (DALI) Driver

LDE1 - Lutron Hi-Lume EcoSystem LED Driver w/ Soft-on, Fade-to-Black

TW-A - Tunable White, 0-10V[17]

TW-EL - eldoLED DUALdrive Tunable White (DALI)[17]

LD2 - Lutron DALI 2 Digital Tunable White Driver w/ 1% Dimming[18]

Controls

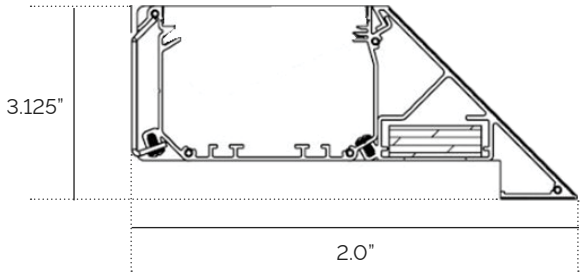
AWNR - Lutron Athena Wireless Node (RF Only)[19]

Ordering Notes

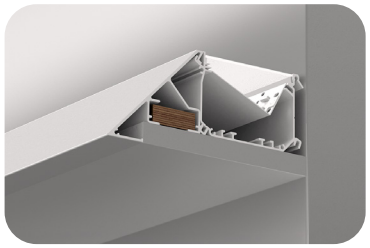
1. 200 LPF min. output / 1500 LPF max. output.
2. Tunable White Driver must be specified in options.
3. See page 3 for standard and premium options.
4. Only available with Knife Edge Trim (K).
5. Powder Coat White (PW) is field paintable.
6. Only available with Bullnose Trim (B).
7. Customer to specify number of zones and locations through factory submittal drawings.
8. Multiple low and line control zones.
9. Multiple low voltage control zones for daylight control.
10. Multiple unswitched wires for night light control zones.
11. Separate power, transfer devices provided by others.
12. '#' indicates number per run.
13. Provided by Iota/Bodine.
14. EM battery is factory choice.
15. Iota EDS-DR Emergency Control Device
16. Standard driver is 0-10V, dim to 1% output current.
17. 75 Watt Max. Dual driver required for higher fixture wattage.
18. 50 Watt Max. Dual driver required for higher fixture wattage.
19. Athena sensor matches finish for white and black fixtures.

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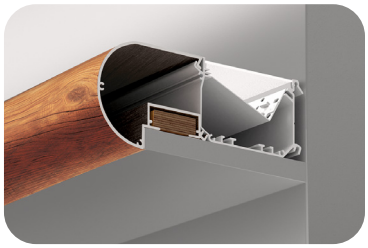
Dimensions



Trim



K
Knife Edge



B
Bullnose

Finishes

Standard

PW: White

PB: Black

Premium Stock



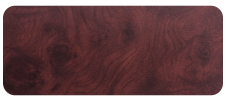
PSF001: Wood 1



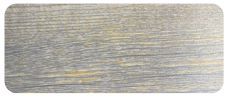
PSF002: Wood 2



PSF003: Wood 3



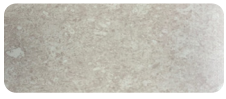
PSF004: Wood 4



PSF005: Wood 5



PSF006: Wood 6



PSF007: Stone 1



PSF008: Stone 2

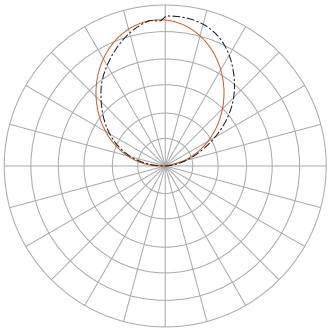


PSF009: Stone 3

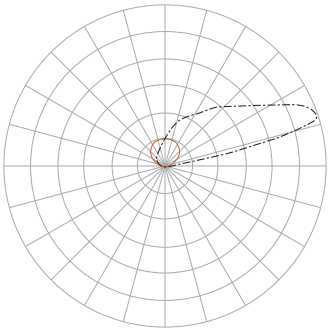
NOTE: A minimal impact to lead times will apply to products specified with Premium Stock Finishes (PSF). It is not to be assumed that these finishes are stocked in our warehouse, but rather, are readily available to us for your project.

All other custom finishes (PO) will incur a set up fee and will add an extended lead time to your project.

Distribution



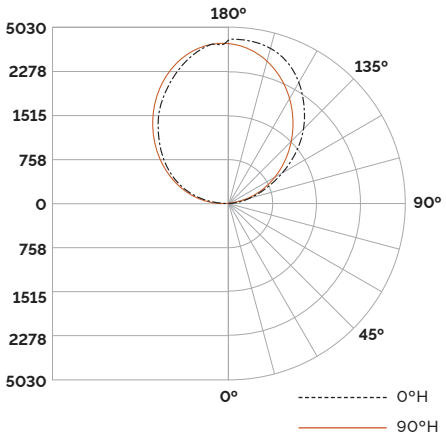
Indirect: SatinIce Diffuse (SD)



Indirect: Ceiling Wash (CW)

Performance

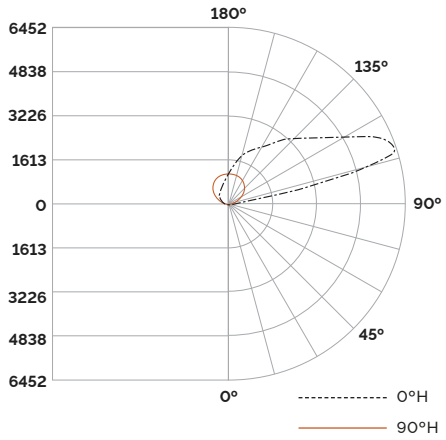
COVE-8-1000-SD-35K-80



Candela Table

Vertical Angle	Horizontal Angle				
	0	22.5	45	67.5	90
0	0	0	0	0	0
5	136	145	137	124	118
10	350	352	331	305	289
15	586	586	555	520	497
20	845	838	796	754	722
25	1105	1096	1046	993	953
30	1369	1355	1298	1231	1181
35	1634	1609	1544	1465	1401
40	1874	1842	1772	1681	1612
45	2115	2074	1996	1896	1807
50	2332	2289	2206	2099	2003
55	2537	2486	2400	2289	2188
60	2707	2654	2567	2456	2360
65	2842	2792	2707	2606	2519
70	2945	2893	2815	2726	2653
75	3007	2955	2889	2818	2764
80	3030	2980	2926	2878	2846
85	3018	2971	2932	2905	2897
90	2920	2920	2920	2920	2920

COVE-8-1000-CW-35K-80



Candela Table

Vertical Angle	Horizontal Angle				
	0	22.5	45	67.5	90
0	0	0	0	0	0
5	212	218	254	419	58
10	542	954	2006	951	141
15	5093	5275	3355	1197	229
20	6409	5608	3636	1461	315
25	5894	5146	3491	1643	400
30	5045	4428	3172	1633	491
35	4292	3830	2932	1558	593
40	3783	3416	2663	1498	701
45	3508	3169	2393	1474	808
50	3116	2787	2198	1483	902
55	2721	2491	2067	1497	976
60	2473	2306	1972	1492	1031
65	2306	2158	1868	1462	1068
70	2102	1979	1744	1407	1091
75	1876	1772	1585	1337	1106
80	1612	1534	1413	1260	1116
85	1349	1304	1249	1187	1121
90	1123	1123	1123	1123	1123

Power

Direct LPF	Total Lumens	Satin Diffuse (SD)		Ceiling Wash (CW)	
		LPW	W/ft.	LPW	W/ft.
300	2800	118	3	130	3
500	4000	118	4	130	4
750	6000	118	6	130	6
1000	8000	118	9	130	8

NOTE: Based on 8' lengths at 35K CCT and 80 CRI modules. All wattage values are rounded up. Delivered lumens may vary +/- 5%. Actual wattage may vary +/- 5%.

Wattage Multiplier

CRI	CCT	4' Length	8' Length
80 CRI	3000K	1.11	1.05
	3500K	1.05	1.00
	4000K	1.03	0.98
	5000K	1.02	0.97
90 CRI	3000K	1.17	1.11
	3500K	1.11	1.05
	4000K	1.08	1.03
	5000K	1.07	1.02

Multiplier How-To

To determine CRI/CCT configuration wattage: Choose wattage from Power matrix for desired optic and lumen output for 8' fixture length.

Wattage x Multiplier = New Config. Wattage

Row Configurations

XX (Run Length)

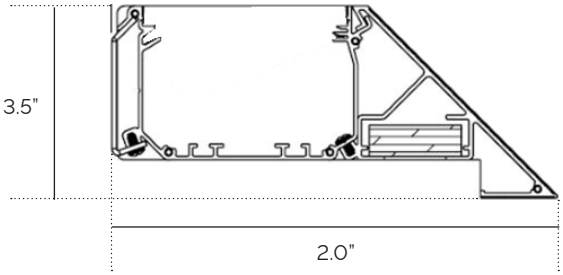
The standard construction of run lengths follows the logic of the table below. Consult factory for additional information. Run lengths always start with the longest fixture and receives the power feed.

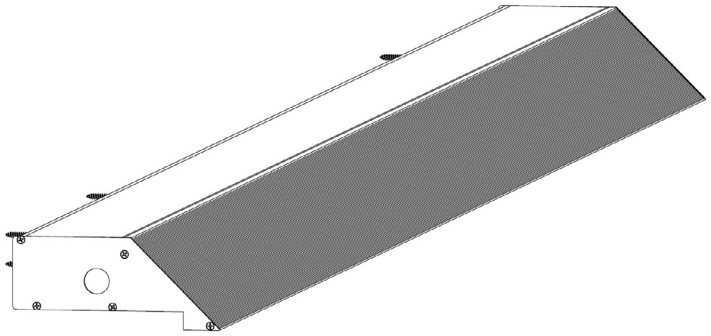
NOTE: Fixtures in continuous runs are available in 6" increments. Consult factory for smaller increments.

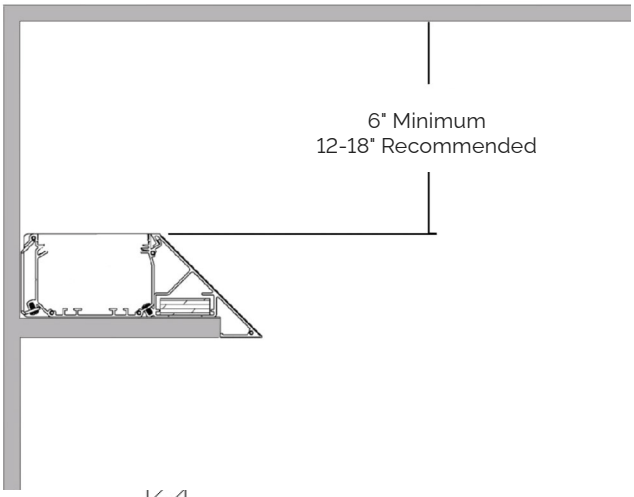
Total Length (Feet)	# of Sections						
	2	3	4	5	6	7	8
2	1						
3		1					
4			1				
5				1			
6					1		
7						1	
8							1
9			1	1			
10			1		1		
11		1					1
12			1				1
13				1			1
14					1		1
15						1	1
16							2
17			1	1			1
18			1		1		1
19		1					2
20			1				2
21				1			2
22					1		2
23						1	2
24							3
25			1	1			2
26			1		1		2
27		1					3
28			1				3
29				1			3
30					1		3
31						1	3
32							4
33			1	1			3
34			1		1		3
35		1					4
36			1				4
37				1			4
38					1		4
39						1	4
40							5

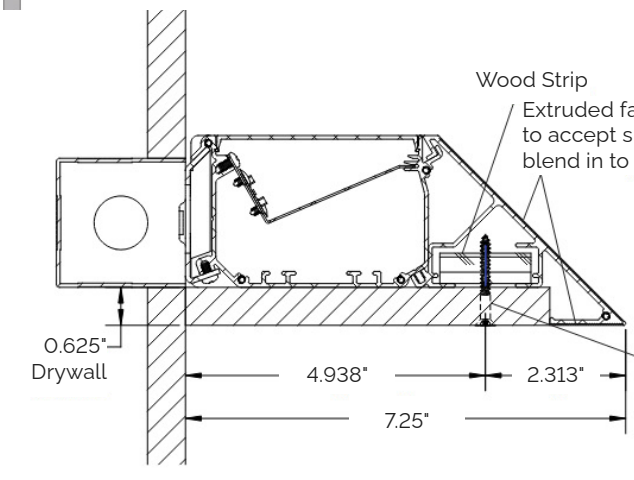
Mounting

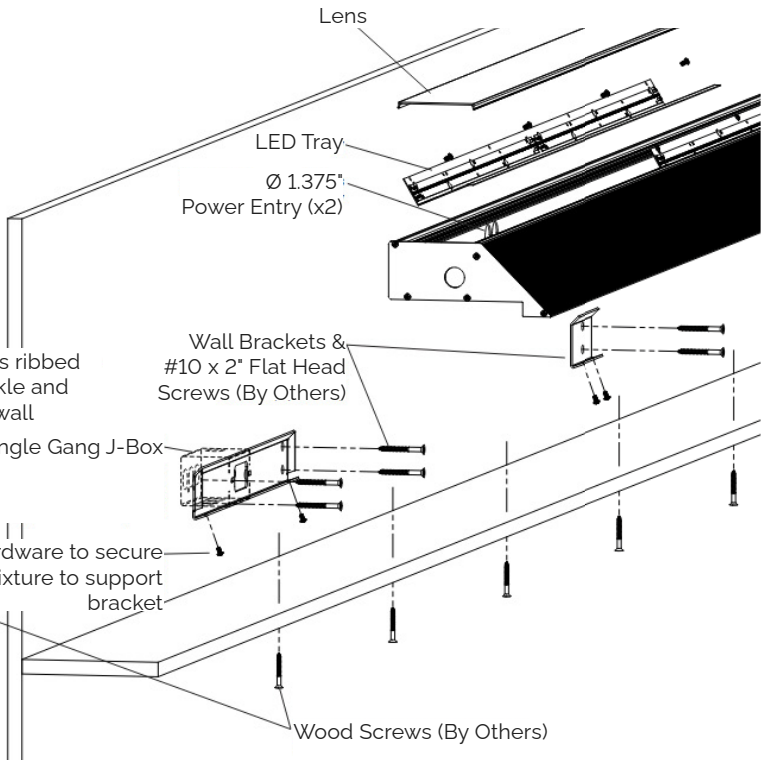
WM (Wall Mount)





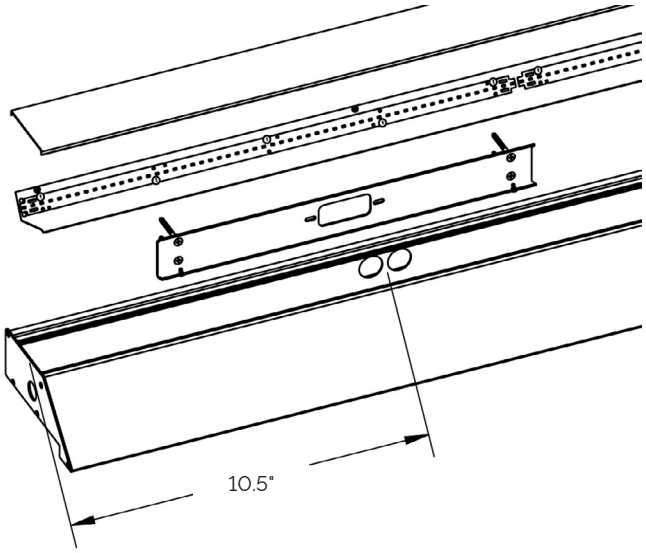






Power Locations

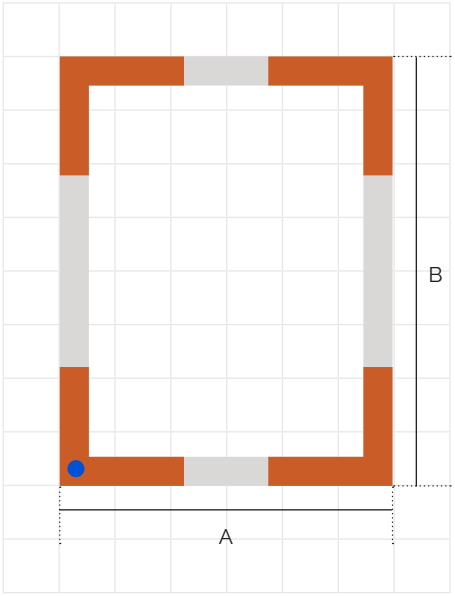
The standard power location is out the end cap on the starter fixture. If a different configuration is needed to meet an aesthetic or placement requirement, please consult the factory.



Shape Configuration

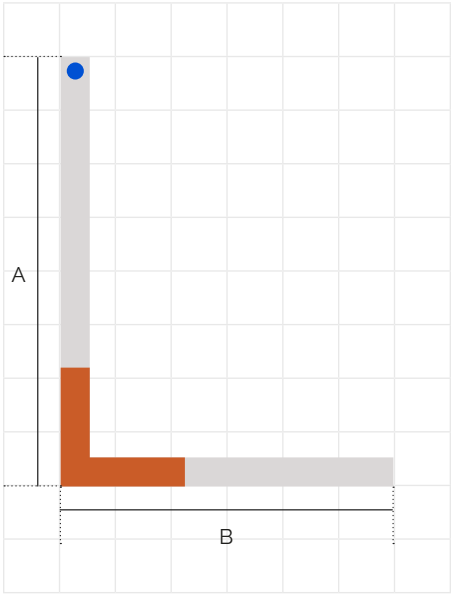
Rectangle (_X_RECT)

Provide AxB dimensions



L-Shape (_X_L)

Provide AxB dimensions



● Power Location

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Contact STARTEK for most up to date product details.