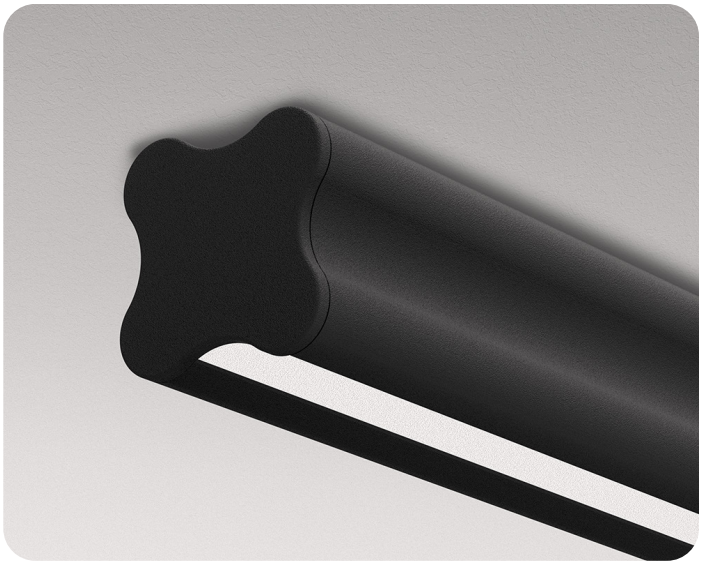
STARTEK
ARCHITECTURAL LIGHTING

Rep/Agent		Type	
Project			
Order No.		Date	

Clover Beam Surface



Key Features

- Extruded aluminum single piece housing
- Continuous lensing standard – runs up to 100'
- Soft diffuse direct lighting
- Light levels can be factory set
- 0-10V dimming to 1% is standard
- Efficacy up to 140 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
- Mechanically attached end caps with no exposed fasteners enhance architectural aesthetic and prevent light leak.

Dimensions

- Nominal dimensions: 3.8" x 3.8"
- Nominal thickness: 0.075"

Finish

- Powder coated
- Colors: White, Black, Silver 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 $\frac{1}{16}$" 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

Lensing

- 0.060" thick impact resistant acrylic lens
- Snap-in lens and reflector for easy install

Operating Temperature

- -40°C to 50°C (-40°F to 122°F)

Lithium Ion Battery

- Provides up to 780 lm (6W) or up to 1300 lm (10W) for 90 minutes.
- Certifications: UL924 listed, Class 2 compliant, and Title 20 CEC (California Energy Commission) compliant

Dimming (Integral) 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: >0.90

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

CLVRD-40-750-SD-35K-80-PW-SM-U-1C-FL-1EMB10

Series	Length	Direct Output[1]	Direct Distribution	CCT	CRI
CLVRD					
	XX - Run Length	**250 -** 250 LPF	**SD -** SatinIce Diffuse	**27K -** 2700K	**80 -** 80 CRI
	SXX - Symmetrical Run Length	**500 -** 500 LPF	**WD -** Wide Diffuse	**30K -** 3000K	**90 -** 90 CRI (R9 50 min)
		750 - 750 LPF	**WW -** Wall Wash	**35K -** 3500K	
		1000 - 1000 LPF	**GRZ -** Wall Graze	**40K -** 4000K	
		XXX - Custom LPF		**50K -** 5000K	
				TW - Tunable White[2] (2700K-6500K)	

Finish[3]	Mounting	Voltage	Circuiting	End Caps	Emergency
	SM				
Standard Powder Coat	**SM -** Surface Mount	**U -** 120-277V	**1C -** Single Circuit	**FL -** Flat	**BLANK -** None
PW - White		**C -** 347V	**MC -** Multiple Circuits[4, 5]	**RD -** Round	**EC -** Emergency Circuit[8]
PB - Black			**DL -** Daylight Control[4, 6]		**#EMB6 -** 6W EM Battery[9, 10]
PS - Silver			**NL -** Night Lights[4, 7]		**#EMB10 -** 10W EM Battery[9, 10]
Premium					**#FCEMB10 -** 10W EM Battery[9, 11]
RALXXXX - Powder Coat Gloss Finish					**#FCEMB14 -** 14W EM Battery[9, 11]
PSFX - Premium Stock Finish					**#GTD -** Generator Transfer Device w/ ALCR[12]
Custom Powder Coat					
PO - Powder Other					

Options

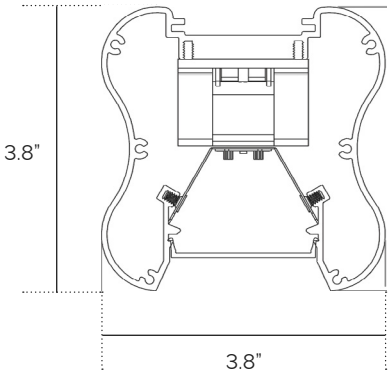
Specialty Drivers[13]	Sensors
DT1 - eldoLED EcoDrive Dim to 1% (0-10V)	**DMXX% -** Daylight/Motion Sensor (XX%=% Min. Dimming)
DTZ - eldoLED SoloDrive Dim to 0.1% (0-10V)	**VDO -** Lutron Vive Integral Fixture Control (RF w/ Daylight and Occupancy)
PSRD - Philips Sensor Ready (DALI) Driver	**AWNR -** Lutron Athena Wireless Node (RF Only)[17]
LDE1 - Lutron Hi-Lume EcoSystem LED Driver w/ Soft-on, Fade-to-Black	**AWNS -** Lutron Athena Wireless Node w/ Sensor[17]
TW-A - Tunable White, 0-10V[14]	**NLA -** Acuity nLight Air[16]
TW-EL - eldoLED DUALdrive Tunable White (DALI)[14]	**NLW -** Acuity nLight Wired[16]
LD2 - Lutron DALI 2 Digital Tunable White Driver w/ 1% Dimming[15]	**WVL -** Cooper Wavelinx[16]
HD-XX - HyperDrive Remote Driver[16]	

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. Customer to specify number of zones and locations through factory submittal drawings.
5. Multiple low and line control zones.
6. Multiple low voltage control zones for daylight control.
7. Multiple unswitched wires for night light control zones.
8. '#' indicates number per run.
9. Provided by Iota/Bodine.
10. EM battery is factory choice.
11. Separate power, transfer devices provided by others.
12. Iota EDS-DR Emergency Control Device
13. Standard driver is 0-10V, dim to 1% output current.
14. 75 Watt Max. Dual driver required for higher fixture wattage.
15. 50 Watt Max. Dual driver required for higher fixture wattage.
16. Consult factory.
17. Athena sensor matches finish for white and black fixtures.

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Dimensions



End Caps



FL
Flat



RD
Round

Finishes

Standard

PW: White

PB: Black

PS: Silver

Premium Stock

PSF001: Wood 1

PSF002: Wood 2

PSF003: Wood 3

PSF004: Wood 4

PSF005: Wood 5

PSF006: Wood 6

PSF007: Stone 1

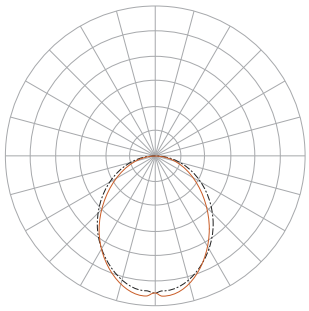
PSF008: Stone 2

PSF009: Stone 3

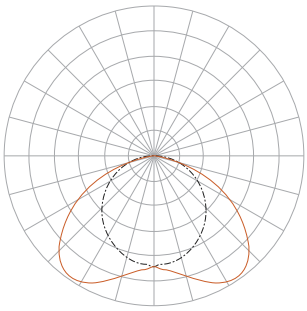
NOTE: A minimal impact to lead times will apply to products specified with Premium Stock Finishes (PSF). It is not to be assumed that these finishes are stocked in our warehouse, but rather, are readily available to us for your project.

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

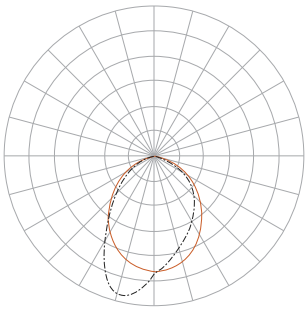
Distribution



Direct: SatinIce Diffuse (SD)



Direct: Wide Diffuse (WD)



Direct: Wall Wash (WW)

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

SXX (Symmetric Run)

The construction of SXX (y') is to build with equal length fixtures. The xx indicates the run length. The y' indicates the fixture length used to create the run. Please indicate this on your P.O. when placing your order.

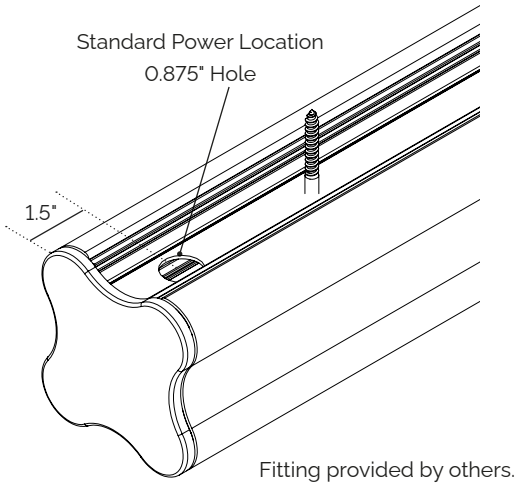
S12' (2')	2'	2'	2'	2'	2'	2'
S12' (3')	3'	3'	3'	3'		
S12' (4')	4'	4'	4'			
S12' (6')	6'	6'				

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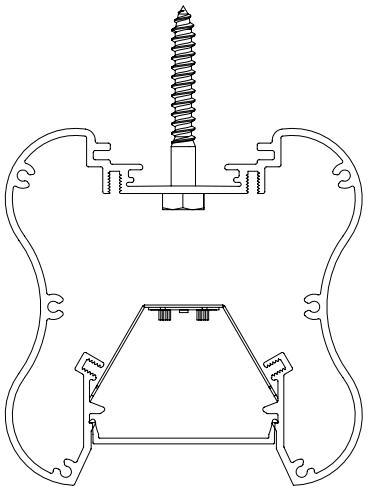
Mounting

SM (Surface Mount)

NOTE: If a different configuration or power location is needed to meet an aesthetic requirement, please indicate this when placing your order and contact the factory.



Fitting provided by others.



NOTE: Use proper mounting hardware (provided by others) to mount fixture to ceiling.

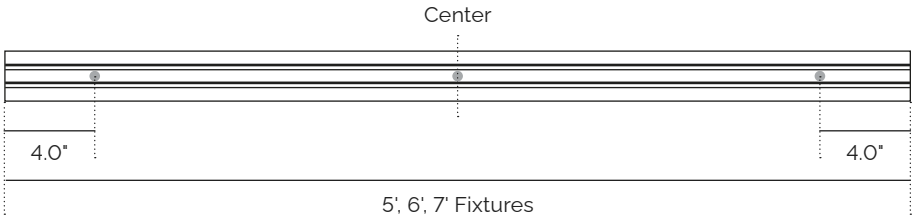
Mounting Locations

Individual Fixtures

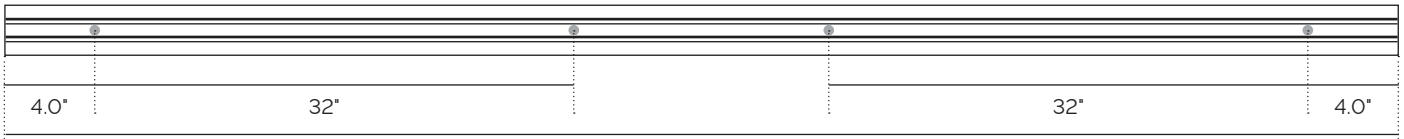
Mounting locations (●) will vary dependent on fixture length. See below for individual fixtures and runs showing the top of fixtures.



2', 3', 4' Fixtures



5', 6', 7' Fixtures

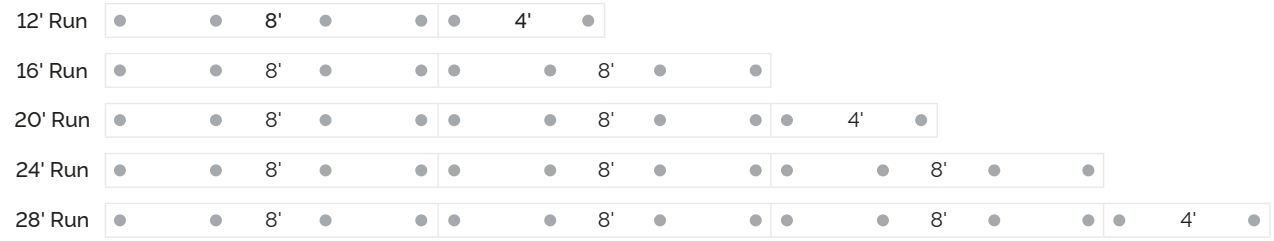


8' Fixtures

Mounting Locations

Continuous Runs

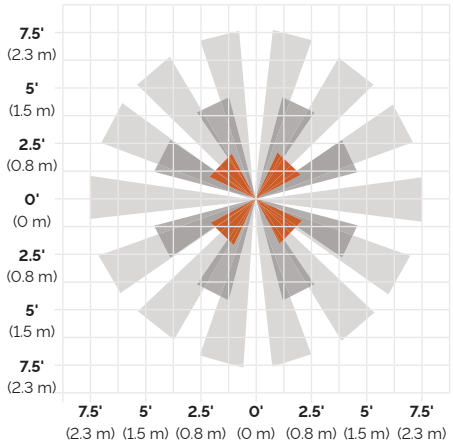
Mounting locations (●) will vary dependent on fixture length. See below for individual fixtures and runs views show top of fixtures.

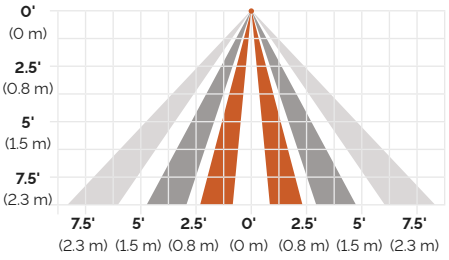


Controls

Sensor

Wattstopper FS-205 v2 Low Voltage PIR. Integrated photosensor for hold-off daylighting control. 24VDC operating voltage. Adjustable time delay (30 seconds to 30 minutes).







Wireless Node

