STARTEK
ARCHITECTURAL LIGHTING

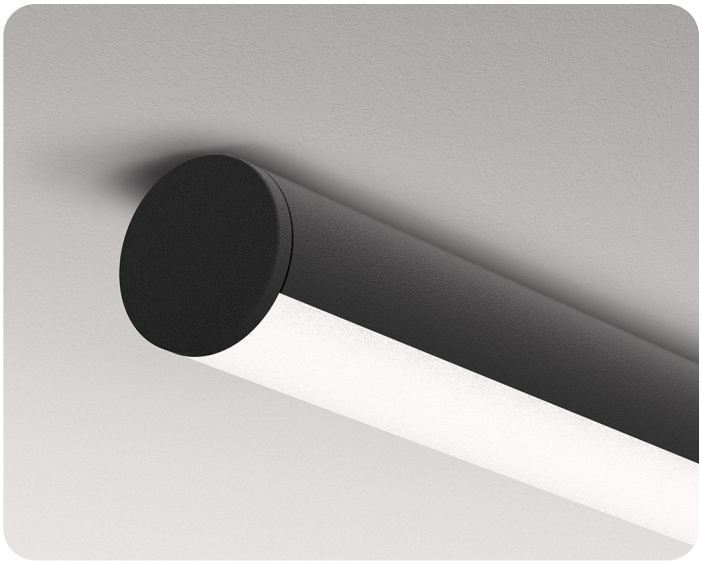
Rep/Agent		Type	
Project			
Order No.		Date	

Optimo Surface

Direct

Key Features

- Extruded aluminum single piece housing
- Soft diffuse direct lighting
- Light levels can be factory set
- 0-10V dimming to 1% is standard
- Efficacy up to 140 lm/W



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: 3.2" x 3.2"

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 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
- Soft diffuse direct lighting

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: >0.93

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.

Ordering Logic

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

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

Finish[3]	Mounting	Voltage	Circuiting	Emergency
	SM			
Standard Powder Coat	**SM -** Surface Mount	**U -** 120-277V	**1C -** Single Circuit	**BLANK -** None
PW - White		**C -** 347V	**MC -** Multiple Circuits[4, 5]	**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

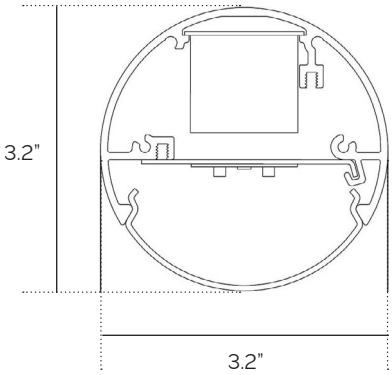
Specialty Drivers[13]	Sensors
DT1 - eldoLED EcoDrive Dim to 1% (0-10V)	**DMXX% -** Daylight/Motion Sensor (XX%=% Min. Dimming)
DTZ - eldoLED SoloDrive Dim to 0.1% (0-10V)	**AWNR -** Lutron Athena Wireless Node (RF Only)[16]
PSRD - Philips Sensor Ready (DALI) Driver	
LDE1 - Lutron Hi-Lume EcoSystem LED Driver w/ Soft-on, Fade-to-Black	
TW-A - Tunable White, 0-10V[14]	
TW-EL - eldoLED DUALdrive Tunable White (DALI)[14]	
LD2 - Lutron DALI 2 Digital Tunable White Driver w/ 1% Dimming[15]	

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. Separate power, transfer devices provided by others.
9. '#' indicates number per run.
10. Provided by Iota/Bodine.
11. EM battery is factory choice.
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. Athena sensor matches finish for white and black fixtures.

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

Dimensions



Lumen Packages

Length	Lumens	Input Wattage	LPW
4'	2000	16	120
8'	4000	32	124

NOTE: Based on 3500K CCT. Other CCT available.

Finishes

Standard



PW: White



PB: Black



PS: Silver

Premium Stock



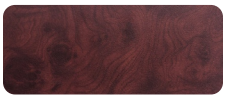
PSF001: Wood 1



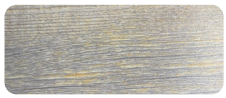
PSF002: Wood 2



PSF003: Wood 3



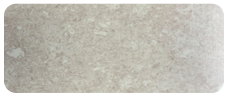
PSF004: Wood 4



PSF005: Wood 5



PSF006: Wood 6



PSF007: Stone 1



PSF008: Stone 2

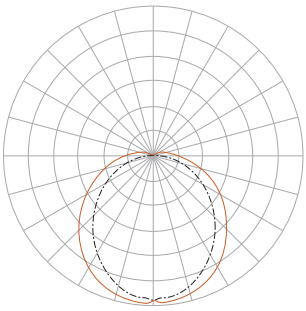


PSF009: Stone 3

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.

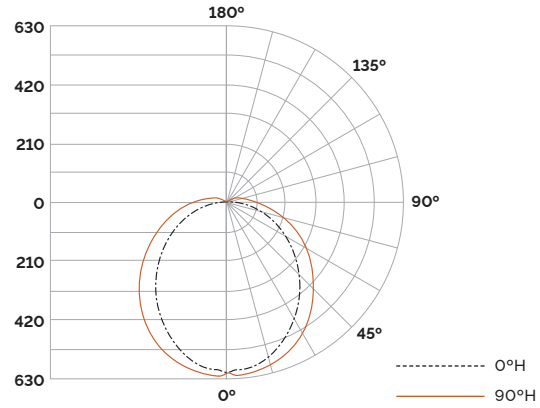
Distribution



Direct: SatinIce Diffuse (SD)

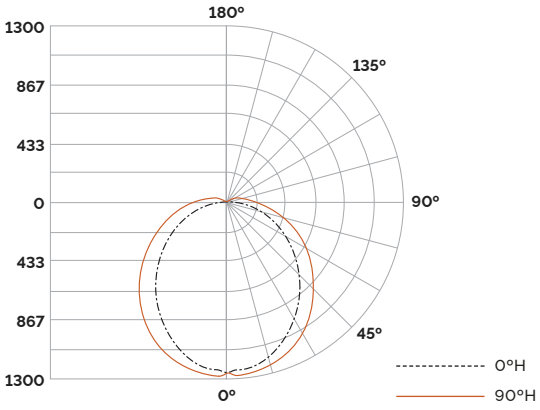
Performance

OPTD-X-500-SD (80+ CRI)



CCT	Length	Lumens	Wattage	LPW
3000K	4'	2000	17	115
	8'	4000	33	120
3500K	4'	2000	16	120
	8'	4000	32	124
4000K	4'	2000	16	124
	8'	4000	31	128
5000K	4'	2000	15	127
	8'	4000	30	132

OPTD-X-1000-SD (80+ CRI)



CCT	Length	Lumens	Wattage	LPW
3000K	4'	4000	34	117
	8'	8000	64	125
3500K	4'	4000	33	121
	8'	8000	62	129
4000K	4'	4000	32	125
	8'	8000	59	134
5000K	4'	4000	31	129
	8'	8000	58	140

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)

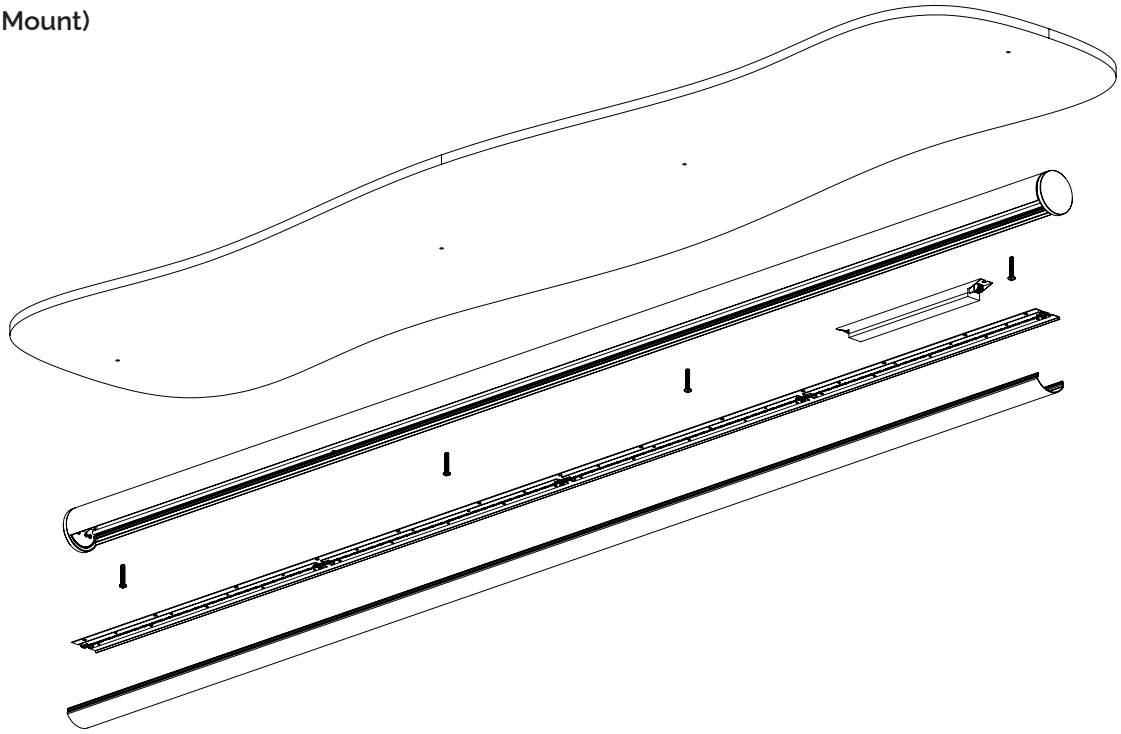
The construction of SXX (y') is to build with equal length fixtures. The xx indicates the run length. The y' indicates the fixture length used to create the run. Please indicate this on your P.O. when placing your order.

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

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Mounting

SM (Surface Mount)



Mounting Locations

Each starter or individual fixture will be provided with (2) mounting supports (●). Each additional fixture will be provided with (1) support which can be located anywhere along the second half of the fixture (highlighted below):

Examples of continuous run mounting locations are as follows:

