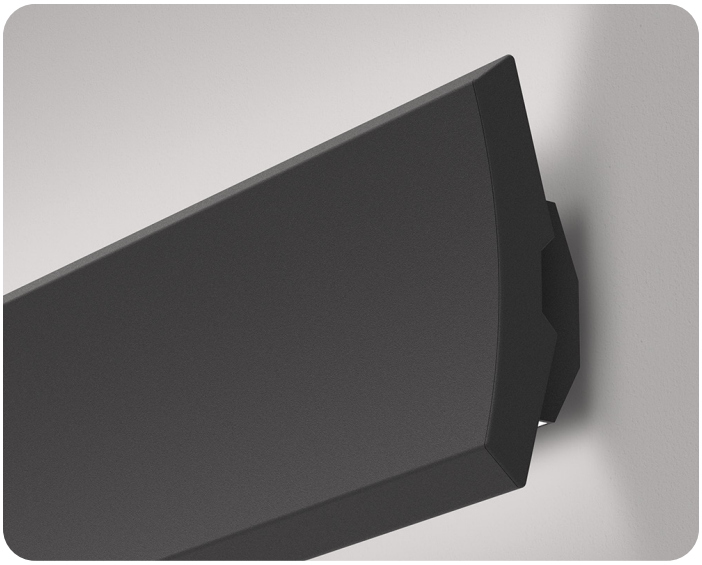
STARTEK
ARCHITECTURAL LIGHTING

Rep/Agent		Type	
Project			
Order No.		Date	

Concave Wall Grazer

Direct / Indirect



Key Features

- Extruded aluminum two piece housing
- Soft diffuse direct lighting
- Snap-in lens and reflector for easy install
- 2', 4', 6' and 8' individual units or continuous rows
- 0-10V dimming to 1% is standard
- Efficacy up to 102 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: 7.6" x 3.4"

Finish

- Powder coated
- Colors: White, Black, Silver or Premium Finishes
- 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
- Soft diffuse direct lighting

Operating Temperature

- -40°C to 45°C (-40°F to 113°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 Driver

- Output current: 0-10V dim to 1% (UL listed, Class P)
- Surge protection: 2.5KV ring and wave
- 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.

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STARTEK
ARCHITECTURAL LIGHTING

Concave Wall Grazer

Direct / Indirect

Ordering Logic

WALLDI-8-500-750-GRZ-GRZ-35K-80-PW-HWM-C-U-1C-1EMB10

Series	Length	Direct Output[1]	Indirect Output[1]	Direct Distribution	Indirect Distribution
WALLDI					
	XX - Run Length	**250 -** 250 LPF	**250 -** 250 LPF	**GRZ -** Wall Graze	**GRZ -** Wall Graze
		500 - 500 LPF	**500 -** 500 LPF	**SD -** SatinIce Diffuse	**SD -** SatinIce Diffuse
		750 - 750 LPF	**750 -** 750 LPF		
		1000 - 1000 LPF	**1000 -** 1000 LPF		
		XXX - Custom LPF	**XXX -** Custom LPF		

CCT	CRI	Finish[2]	Mounting	Trim	Voltage
				C	
27K - 2700K	**80 -** 80 CRI	**Standard Powder Coat**	**HWM -** Horizontal Wall Mount	**C -** Concave	**U -** 120-277V
30K - 3000K	**90 -** 90 CRI (R9 50 min)	**PW -** White	**VWM -** Vertical Wall Mount		**C -** 347V
35K - 3500K		**PB -** Black			
40K - 4000K		**PS -** Silver			
50K - 5000K		**Premium**			
TW - Tunable White[3] (2700K-6500K)		**RALXXXX -** Powder Coat Gloss Finish			
		PSFX - Premium Stock Finish			
		Custom Powder Coat			
		PO - Powder Other			

Circuiting	Emergency	Options	
1C - Single Circuit	**BLANK -** None	**Specialty Drivers[13]**	**Sensors[16]**
2C - Separate D/I Circuits[3]	**EC -** Emergency Circuit[8]	**DT1 -** eldoLED EcoDrive Dim to 1% (0-10V)	**AWNR -** Lutron Athena Wireless Node (RF Only)
MC - Multiple Circuits[4, 5]	**#EMB6 -** 6W EM Battery[9, 8]	**DTZ -** eldoLED SoloDrive Dim to 0.1% (0-10V)	**Junction Box**
DL - Daylight Control[4, 6]	**#EMB10 -** 10W EM Battery[9, 10]	**PSRD -** Philips Sensor Ready (DALI) Driver	**HB -** Handy Box (4" x 1.5" x 1.25")
NL - Night Lights[4, 7]	**#FCEMB10 -** 10W EM Battery[9, 11]	**LDE1 -** Lutron Hi-Lume EcoSystem LED Driver w/ Soft-on, Fade-to-Black	
	#FCEMB14 - 14W EM Battery[9, 11]	**TW-A -** Tunable White, 0-10V[14]	
	#GTD - Generator Transfer Device w/ ALCR[12]	**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. See page 3 for standard options.
3. Separate D/I switched power and dimming (shared neutral).
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.

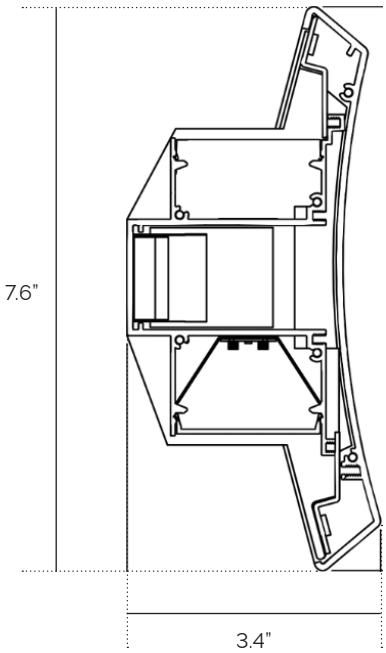
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STARTEK
ARCHITECTURAL LIGHTING

Concave Wall Grazer

Direct / Indirect

Dimensions



Finishes

Standard



PW: White



PB: Black



PS: Silver

Premium Stock



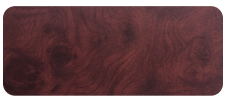
PSF001: Wood 1



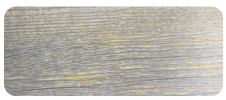
PSF002: Wood 2



PSF003: Wood 3



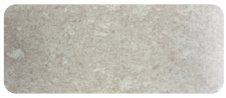
PSF004: Wood 4



PSF005: Wood 5



PSF006: Wood 6



PSF007: Stone 1



PSF008: Stone 2

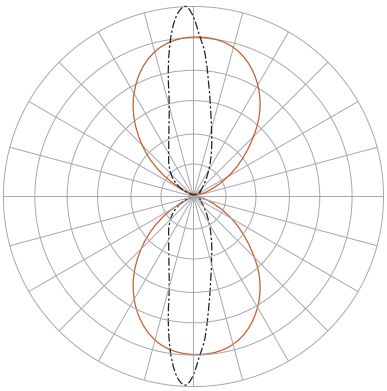


PSF009: Stone 3

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.

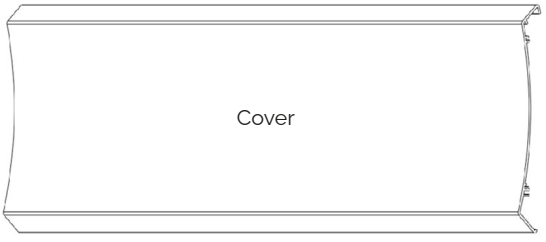
All other custom finishes (PO) will incur a set up fee and will add an extended lead time to your project.

Distribution



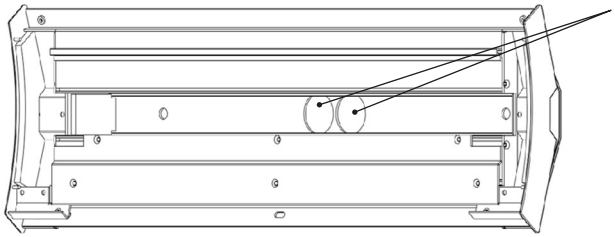
Indirect: Wall Graze (GRZ)
Direct: Wall Graze (GRZ)

Power Location



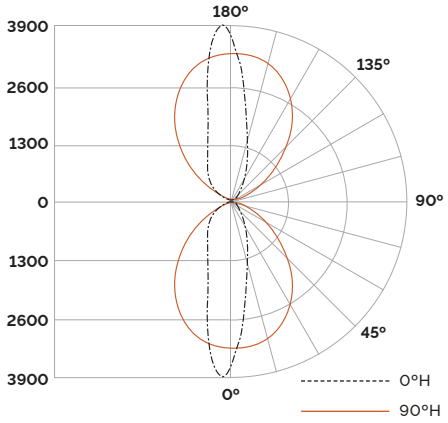


J-Box
4" x 1.5" x 1.25"



Performance

WALLDI-X-1000-SD (90+ CRI)



Luminance Data (cd/sq.m)

Angles	Avg. 0°	Avg. 45°	Avg. 90°
45	941	3617	39689
55	351	748	29825
65	424	480	20998
75	617	682	15006
85	1587	1732	12853

CCT	Lumens	Wattage	LPW
2700K	7300	85	85
	14600	163	89
3000K	7300	81	89
	14600	154	94
3500K	7300	76	95
	14600	147	99
4000K	7300	76	96
	14600	144	101
5000K	7300	74	98
	14600	143	102

Zonal Lumen Summary

Zone	Lumens	% Luminaire
0-30	1614.7	22.1%
0-40	2266.9	31.1%
0-60	3213.9	44%
60-90	434.6	6%
70-100	213.5	2.9%
90-120	434.6	6%
0-90	3648.5	50%
90-180	3647.7	50%
0-180	7296.2	100%

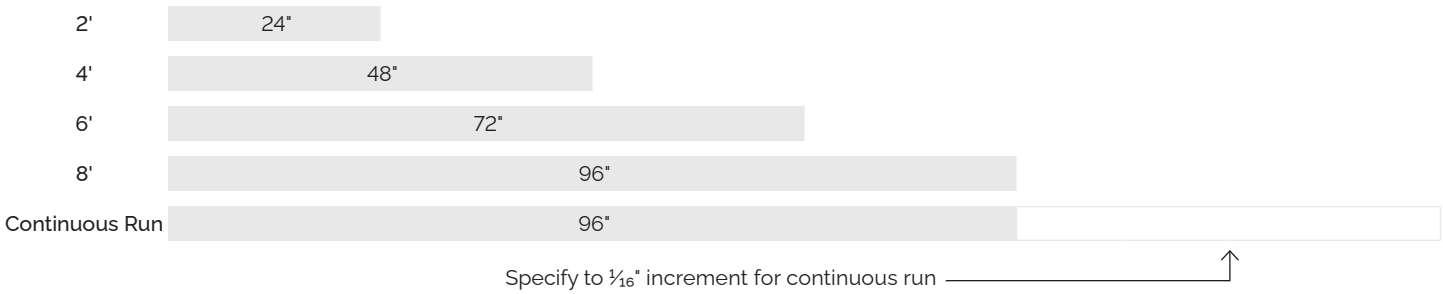
Candela Table

Vertical Angle	Horizontal Angle				
	0	22.5	45	67.5	90
0	3315	3315	3315	3315	3315
5	2461	2362	2544	2867	3249
10	1619	1584	1855	2417	3199
15	1122	1127	1371	1981	3108
20	762	793	1040	1607	2974
25	426	479	777	1303	2803
30	278	301	529	1063	2582
35	186	203	344	857	2315
40	98	118	231	680	2002
45	39	51	152	512	1664
50	13	12	78	371	1328
55	12	11	25	245	1014
60	11	10	13	155	748
65	11	9	12	79	526
70	10	9	11	27	358
75	9	8	10	22	230
80	9	8	10	19	135
85	8	7	9	17	66
90	8	6	8	15	25

Row Configurations

Individual & Continuous Fixtures

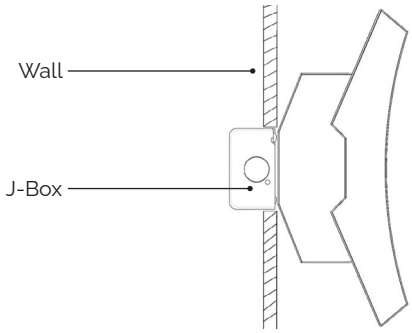
Individual fixtures are available from 2' to 8'. The standard construction for run lengths is to build with as many 8' fixtures as possible and finish the run with a shorter length fixture if needed. If a different configuration is needed to meet an aesthetic requirement, please indicate this on your P.O. when placing your order.

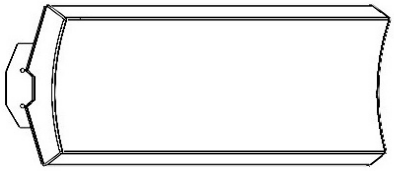


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Mounting

WM (Wall Mount)





Wiring Diagram

Wiring configurations are dependent on the options chosen. Below are a few examples of our standard wiring that is used to power the fixture.

This wiring diagram is showing a standard set of wires for a basic fixture.

Wiring		
High Voltage	Low Voltage	
18 GA		Hot (Black)
		Neutral (White)
		Ground (Green)
H = Hot	+D(V) = +Dimming	+Dimming (Violet)
N = Neutral	-D(G) = -Dimming	-Dimming (Pink)
GND = Ground	2864	

This wiring diagram is showing a set of wires for a fixture with a emergency battery.

Wiring		
High Voltage	Low Voltage	
18 GA		Switched (Black)
		Neutral (White)
		Ground (Green)
H = Hot	+D(V) = +Dimming	Unswitched (Red)
N = Neutral	-D(G) = -Dimming	+Dimming (Violet)
U = Unswitched	-	-Dimming (Pink)
GND = Ground	-	

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