STARTEK
LIGHTING AMERICA

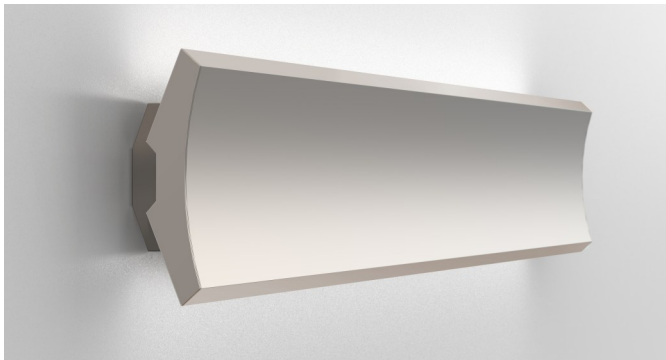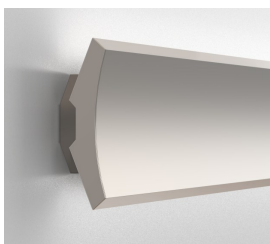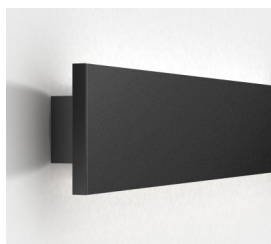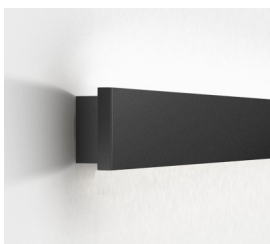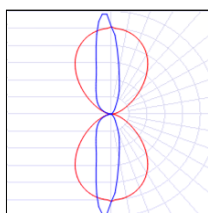| Type:	
Project:	
REP/Agent:	
Order #:	

WALL GRAZER DIRECT/INDIRECT

FACE PLATE OPTIONS

CONCAVE

FLAT

MINI FLAT

FEATURES

★ Standard 2', 4', 6' and 8'units

★ Fixture length increments down to 1/16"

★ Two piece aluminum extrusion housing

★ Snap-in lens for easy installation

★ 3 Step MacAdam ellipse binning

★ Efficacy up to 121 lm/W

★ Soft diffuse indirect lighting

★ Approved for dry and damp locations

★ 0-10v dimming is standard

★ Dim to 1% of output current is standard

★ 90 CRI (R9 50min) available

★ CA Title 24 / JA8 installation compatible

★ Consult factory for TM21, TM30, LM79 and LM80

★ L70 > 50,000 hours

DISTRIBUTION

GRZ= Graze

DIMENSIONS

MINI FLAT   FLAT   CONCAVE

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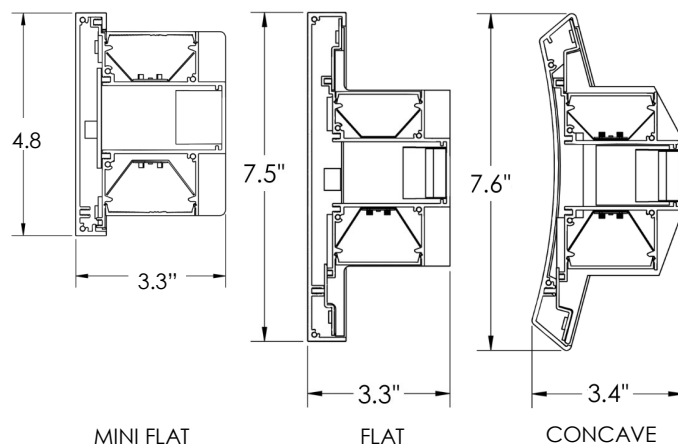
Type:	
Project:	
REP/Agent:	
Order #:	

WALL GRAZER DIRECT/INDIRECT

WALLDI						
SERIES	**LENGTH**	**LUMENS/FT (DIRECT)**	**LUMENS/FT (INDIRECT)**	**DISTRIBUTION (DIRECT)**	**DISTRIBUTION (INDIRECT)**	**CCT**
WALLDI	**XX**= Run Length	**350**= 350 LPF **500**= 500 LPF **750**= 750 LPF **1000**= 1000 LPF **XXX**= Custom LPF	**350**= 350 LPF **500**= 500 LPF **750**= 750 LPF **1000**= 1000 LPF **XXX**= Custom LPF	**GRZ**= Graze	**GRZ**= Graze	**27K**= 2700K **30K**= 3000K **35K**= 3500K **40K**= 4000K **50K**= 5000K **TW**= Tunable White[1] *(2700-6500K)*

CRI	FINISH	MOUNTING	TRIM	VOLTAGE	ELECTRICAL

80= 80
90= 90
(R9 50 min)
	STANDARD
	PW= Powder Coat White
	PB= Powder Coat Black
	PS= Powder Coat Silver
	
	PREMIUM
	RALxxxx= Powder Coat
	  RAL xxxx (Gloss Finish)
	PSFx= Prem Stock Finish
	
	See pg. 5 for standard and premium options.
	
	CUSTOM
	PO= Powder Other
		HWM= Horizontal Wall Mount
		VWM= Vertical Wall Mount
			MF= Mini Flat
			F = Flat
			C= Concave
				U= 120-277
				C= 347
					1C= Single Circuit
					2C= Separate D/I Circuits
					  (separate control of direct and indirect)
					MC= Multiple Circuits
					  (multiple switch legs across run length)
					EC= Emergency Circuit
					  (separate power drops for EC fixtures)
					GTD= Generator Transfer Device

OPTIONS

SPECIALTY DRIVERS *(Standard driver is 0-10V, dim to 1% output current)*
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[2]
TW-EL= eldoLED DUALdrive Tunable White (DALI)[2]
LD2=Lutron DALI 2 Digital Tunable White driver with 1% dimming[2]

BATTERIES *("#" indicates quantity)*
#EMB6= 6W EM Battery (Iota/Bodine)
#EMB10= 10W EM Battery (Iota/Bodine)
#FCEMB10= 10W EM Battery (Factory Choice)
#FCEMB14= 14W EM Battery (Factory Choice)

OTHER
**DMX**= DMX Lighting Control (RGBW)

SENSORS
AWNR-W= Lutron Athena Wireless Node (RF only)[3] - White Finish
AWNR-B= Lutron Athena Wireless Node (RF only)[3] - Black Finish

[1] Tunable White Driver must be specified in options
[2] 50 Watt Max. Dual driver required for higher fixture wattage
[3] Emergency battery option not available with 2' fixtures
[4] D4i driver for static & DALI-2 Type 8 for tunable.

EXAMPLE: WALLDI-8-500-750-GRZ-GRZ-35K-80-PW-WM-U-1C-1EMB10

WALL GRAZER DIRECT/INDIRECT

MOUNTING OPTIONS

(x)WM - Wall Mount

WALL

JUNCTION BOX

POWER LOCATION

COVER

POWER LOCATION HOLES

JUNCTION BOX
4"x1.5"x1.25"
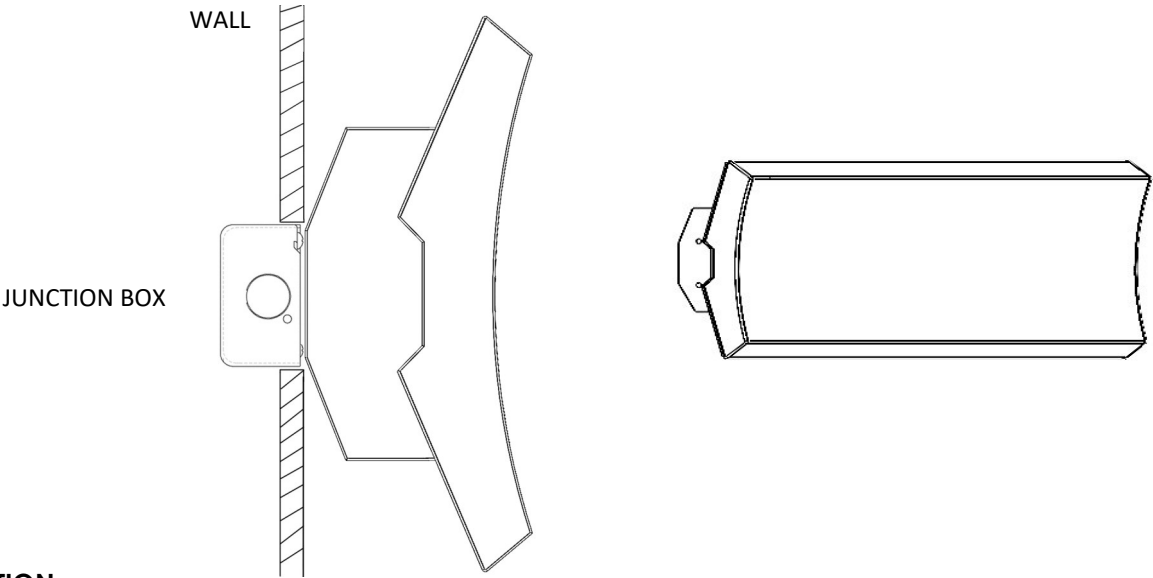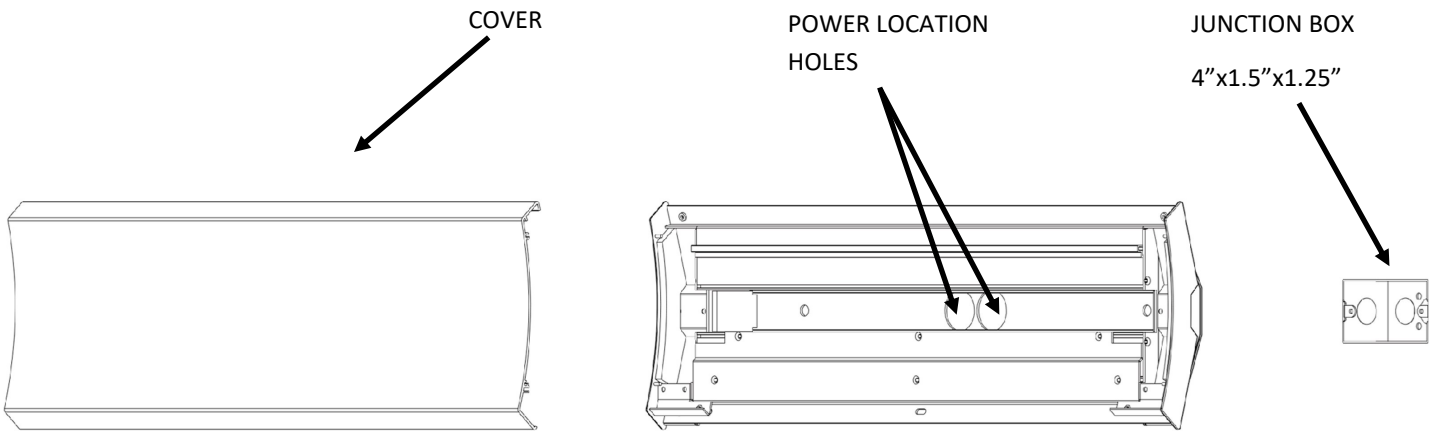
WIRING DIAGRAMS

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

WIRING	
HIGH VOLTAGE	*LOW VOLTAGE*
18 GA	
H = HOT	**+D(V)** = +DIMMING
N = NEUTRAL	**-D(G)** = -DIMMING
GND = GROUND	

- **HOT (BLACK)**
- **NEUTRAL (WHITE)**
- **GROUND (GREEN)**
- **+DIMMING(VIOLET)**
- **-DIMMING (GRAY)**

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

WIRING	
HIGH VOLTAGE	*LOW VOLTAGE*
18 GA	
S = SWITCHED	**+D(V)** = +DIMMING
N = NEUTRAL	**-D(G)** = -DIMMING
U = UNSWITCHED	
GND = GROUND	

- **SWITCHED (BLACK)**
- **NEUTRAL (WHITE)**
- **GROUND (GREEN)**
- **UNSWITCHED (RED)**
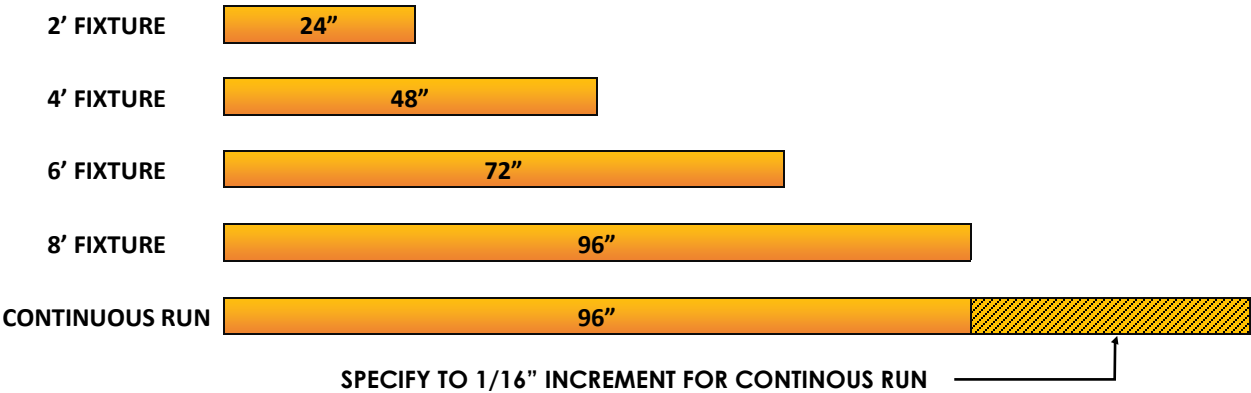- **+DIMMING(VIOLET)**
- **-DIMMING (GRAY)**

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

WALL GRAZER DIRECT/INDIRECT

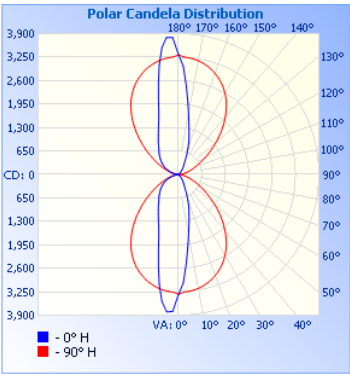## INDIVIDUAL AND CONTINUOUS FIXTURE CONFIGURATION

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.

2' FIXTURE — 24"

4' FIXTURE — 48"

6' FIXTURE — 72"

8' FIXTURE — 96"

CONTINUOUS RUN — 96"

SPECIFY TO 1/16" INCREMENT FOR CONTINOUS RUN

PERFORMANCE

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

Polar Candela Distribution

Model	Lumens	Watts	LPW
WALL-4-912-912-GRZ-GRZ-27K-90-PB-WM-U-1C	7300	85	85
WALL-4-912-912-GRZ-GRZ-30K-90-PB-WM-U-1C	7300	81	89
WALL-4-912-912-GRZ-GRZ-35K-90-PB-WM-U-1C	7300	76	95
WALL-4-912-912-GRZ-GRZ-40K-90-PB-WM-U-1C	7300	76	96
WALL-4-912-912-GRZ-GRZ-50K-90-PB-WM-U-1C	7300	74	98

Model	Lumens	Watts	LPW
WALL-8-912-912-GRZ-GRZ-27K-90-PB-WM-U-1C	14,600	163	89
WALL-8-912-912-GRZ-GRZ-30K-90-PB-WM-U-1C	14,600	154	94
WALL-8-912-912-GRZ-GRZ-35K-90-PB-WM-U-1C	14,600	147	99
WALL-8-912-912-GRZ-GRZ-40K-90-PB-WM-U-1C	14,600	144	101
WALL-8-912-912-GRZ-GRZ-50K-90-PB-WM-U-1C	14,600	143	102

Zonal Lumen Summary

Zone	Lumens	% Luminaire
0-30	1,614.7	22.1%
0-40	2,266.9	31.1%
0-60	3,213.9	44%
60-90	434.6	6%
70-100	213.5	2.9%
90-120	434.6	6%
0-90	3,648.5	50%
90-180	3,647.7	50%
0-180	7,296.2	100%

Luminance Data (cd/sg.m)

Angle in Degrees	Average 0-DEG	Average 45-Deg	Average 90-Deg
45	941	3617	39689
55	351	748	29825
65	424	480	20998
75	617	682	15006
85	1587	1732	12853

Candela Distribution

|	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

WALL GRAZER DIRECT/INDIRECT

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FINISHES

STANDARD FINISHES
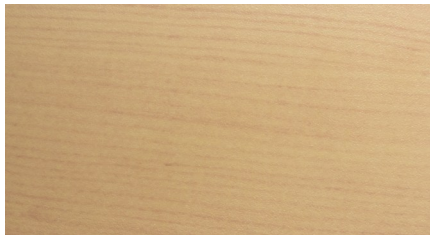
WHITE MINI TEXTURE
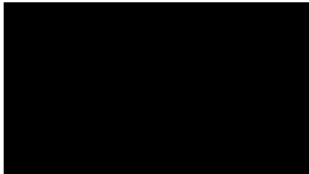
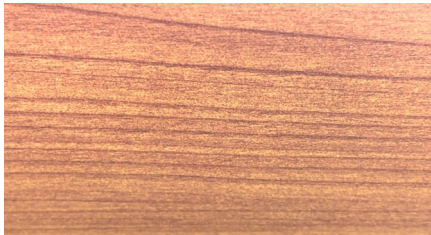BLACK MINI TEXTURE

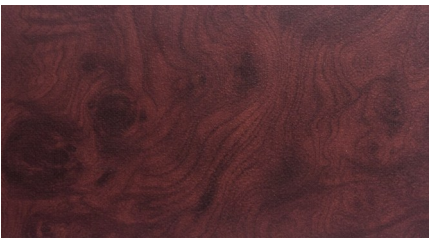SILVER SPARKLE TEXTURE

PREMIUM STOCK FINISHES

PSF001 (WOOD#1)
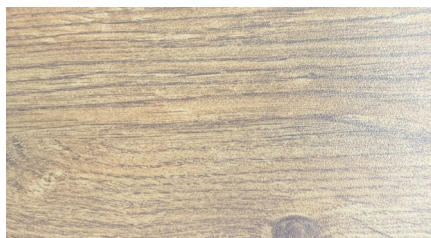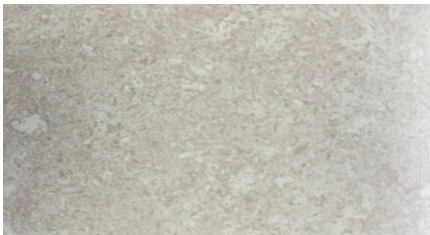
PSF002 (WOOD#2)

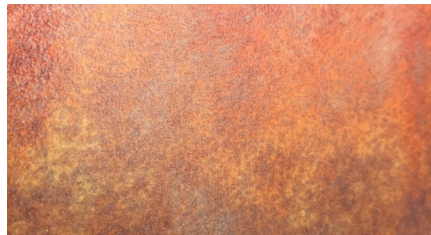PSF003 (WOOD#3)

PSF004 (WOOD#4)

PSF005 (WOOD#5)

PSF006 (WOOD#6)

PSF007 (STONE #1)

PSF008 (STONE #2)

PSF009 (METAL #1)

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.

WALL GRAZER DIRECT/INDIRECT

SPECIFICATIONS

Housing

Nominal 7.6" X 3.4" housing of continuous extruded 6063 T5 aluminum.

Luminaire Length

2', 4', 6' or 8' lengths are available for a single stand-alone section. Using internal joiners, sections can be joined to form longer rows.

Battery

Lithium ion battery providing up to (14W) for 90 minutes. UL924 listed. Class 2 compliant. Meets Title 20 CEC (California   Energy Commission) efficiency standards.

Lensing

Snap-in .080" thick acrylic lensing with impact modifier

Source

Four standard lumen packages are available in four color temperature options (3000K, 3500K, 4000K and 5000K) — all within 3 MacAdam ellipses.

Certification

Intertek cETLus Listed. RoHS (Restriction of Hazardous Substances) and Buy American Act compliant.

Environment

Suitable for dry and damp locations.
Operating temp.:   -40°C to +45°C

Dimming Driver

LED driver allows tunable output currents to achieve infinite configurations of output. UL Class 2 recognized. 0-10v interface can be wired as Class 1 or Class 2 circuit. Included 2.5Kw ring and wave overcurrent protection, isolation of each individual output and a fully potted driver to protect from heat and vibration. Power factor <.93

Packaging

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

WARRANTY

5-year limited warranty. Complete warranty terms can be located at:

http://www.starteklightingamerica.com/images/pdf/warranty/Beam_Series_Warranty.pdf

Note: Actual performance may differ as a result of installation environment and final application.
All values are design or typical values, measured under laboratory conditions, at 25°C (77°F) .