

3D FLEX LENS

24VDC INDOOR/OUTDOOR 7W



DESCRIPTION

PureEdge's 3D Flex Lens uses optical grade fire retardant silicone providing environmental protection against salt, UV, and acid/alkaline corrosion. The multi-directional, free bending design perfectly curves around outdoor surfaces. Flex Lens 3D is offered in multiple color temperatures, and beam angles including a wall grazing option. The integrated silicone extrusion can be custom ordered in as little as 1.6" increments for easy installation. Outdoor/Wet IP65 Locations and uses Class 2 barrel wire connectors. Fixture includes a 3-year pro-rated warranty. For layout assistance, email our design team: design@pureedgelighting.com.

SPECIFICATIONS

Flat top view 1.14" wide 0.80" high

INPUT	24VDC with 5" leads
POWER SUPPLIES	Remote 24VDC power supply required
POWER CONSUMPTION	7.3 watts per foot
INCREMENTS	1' increments standard; can be custom ordered in as little as 1.6" increments
MAX LENGTH	12'
MATERIAL	IP65 Optical Grade Silicone provides environmental protection against salt, UV, and acid/alkaline corrosion.
OPERATING TEMPERATURE	-4° F (-20° C) to 122° F (50° C)
AVERAGE LED LIFE	30,000 hrs
WARRANTY	3 Year pro-rated
COMPLIANCE	Class 2 Wiring Indoor Applications, Outdoor Wet Location with Water Tight Barrel Connectors IP65 Rated, ETL listed

LUMEN PERFORMANCE AT 3000K 7W PER FOOT

(SEE COMPLETE CHART PG 2)

LUMEN OUTPUT:	558 lm/ft	EFFICIENCY:	62 lm/watt
CRI:	83		

REMOTE POWER SUPPLIES*, DIMMERS & CONTROLS

(SOLD SEPARATELY)

24VDC, Class 2 wiring

OUTDOOR/WET LOCATION

Static White

- [Pure Smart™ WiZ Pro Power Supplies & Controls](#)
- [UNI Driver: Universal Dimming \(TRIAC, ELV, 0-10V\)](#)

Tunable White

- [Pure Smart™ WiZ Pro Power Supplies & Controls](#)
- [DMX Dynamic Color Changing](#): Must be used with PureEdge [Controllers](#)

RGB

- [DMX Dynamic Color Changing](#), must be used with PureEdge [Controllers](#)

INDOOR

Static White

- [Pure Smart™ WiZ Pro Power Supplies & Controls](#)
- [UNI Driver: Universal Dimming \(TRIAC, ELV, 0-10V\)](#)

Tunable White

- [Pure Smart™ WiZ Pro Power Supplies & Controls](#)
- [DMX Dynamic Color Changing](#): Must be used with PureEdge [Controllers](#)

*In-Wall Mounting and drop ceiling Kits available for select power supplies



System	Beam Angle	Wattage	Nominal Length in Feet	Color Temperature	5" Input Wire Feed	5" Output Wire	Environment
FXL	20X55	7W	12FT	27K	B	CA	W
FXL Flex Lens, 3D Bend Left/Right & Up/Down	20X55 Wall Grazer 20x55 Beam* 20X35 20x35 Degree Beam 18X20 18x20 Degree Beam 15 15 Degree Beam 30 30 Degree Beam 50 50 Degree Beam	7W 7.3 watts per foot	1-12FT Custom lengths for static white available in as little as 1.6" increments. Tunable every 5 inches and RGB ever 10 inches *see chart for exact lengths	27K 2700K Incandescent White 30K 3000K Warm White 35K 3500K Neutral White 40K 4000K Cool White 65K 6500K Daylight RGB Red, Green, & Blue 27K6 Tunable White 2700K-6500K RRR Red BBB Blue GGG Green	B Bottom Power Input Wire	B Bottom Wire Lead Out, can not exceed 132" CA Cap at end, no feed through	S Seamless Indoor/ Damp location bare wire leads Bottom and Left Feed Only W Outdoor wet location IP65 Barrel Connector cable leads

*Quick ship in 3000K

PROJECT		FIXTURE TYPE		DATE	
---------	--	--------------	--	------	--

3D FLEX LENS

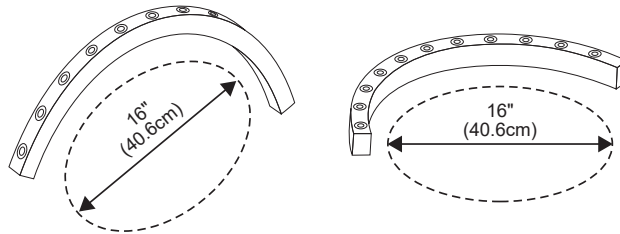
24VDC INDOOR /OUTDOOR 7W



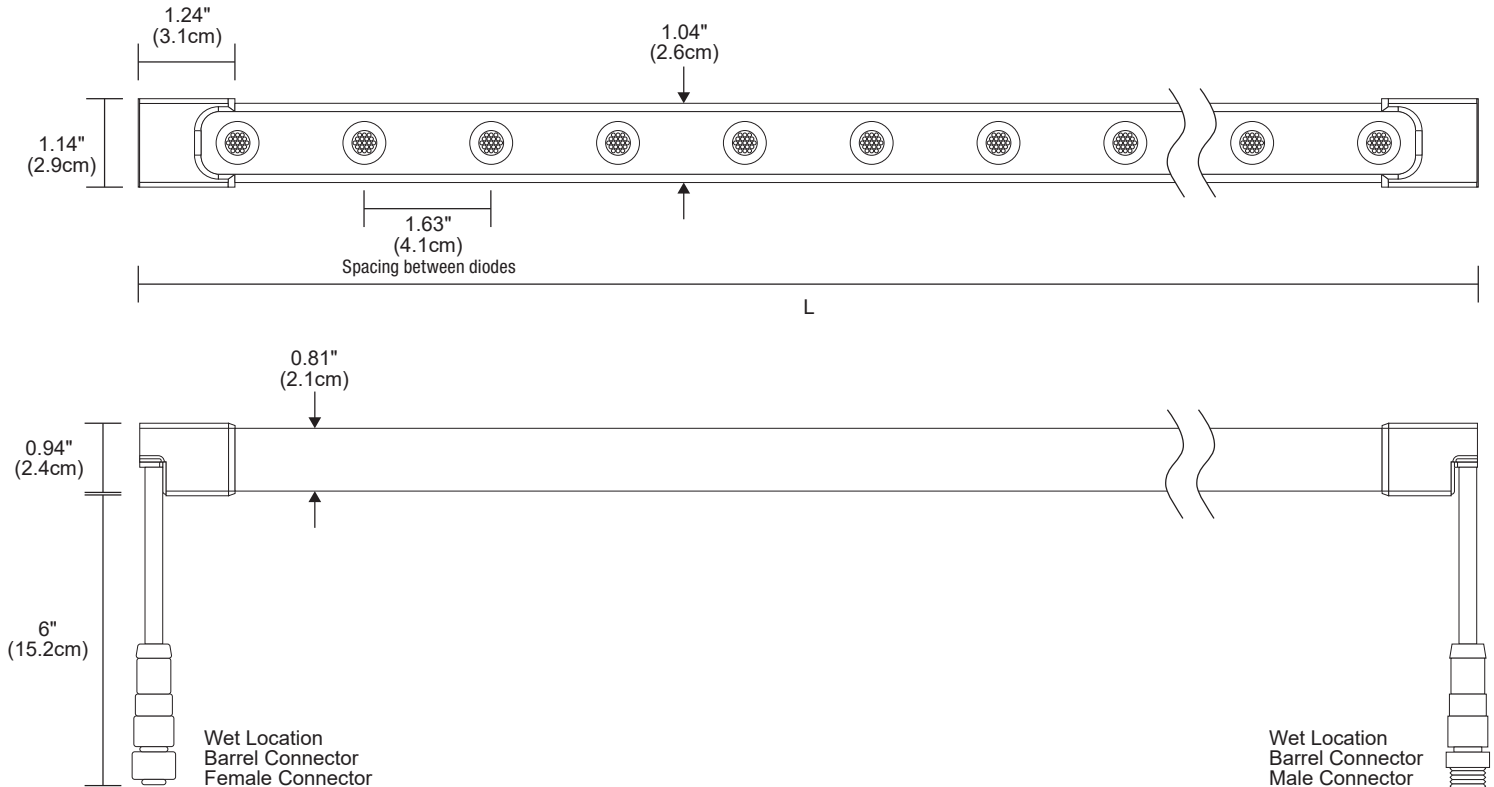
Lamp Data: Lamp Data for 3D Flex Lens

	FXL-20X55			
WATTS PER FOOT	7W (7.3 watts per ft)			
COLOR TEMPERATURE	27K	30K	40K	65K
LUMENS PER FOOT (lm/ft)	380	456	510	559
LUMENS PER WATT (lm/w)	53	64	71	77
CRI	83	83	83	83

LENGTH CHART			
NOMINAL LENGTH	ACTUAL LENGTH	NOMINAL LENGTH	ACTUAL LENGTH
1'	12.26"	7'	83.98"
2'	23.67"	8'	95.39"
3'	36.71"	9'	108.43"
4'	48.12"	10'	119.84"
5'	59.53"	11'	131.25"
6'	72.57"	12'	144.29"



Drawings: Dimensions for 3D Flex Lens

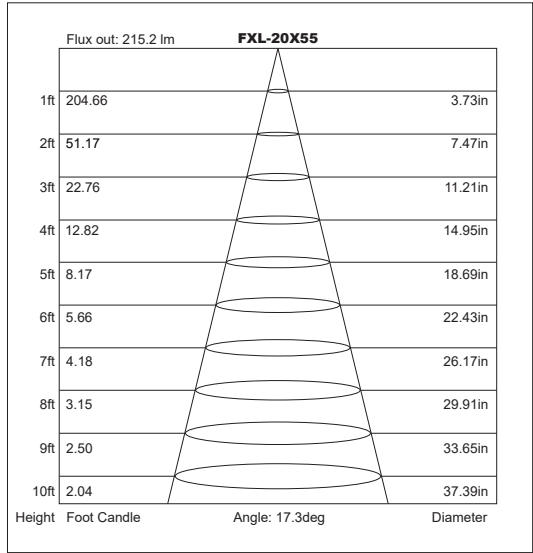
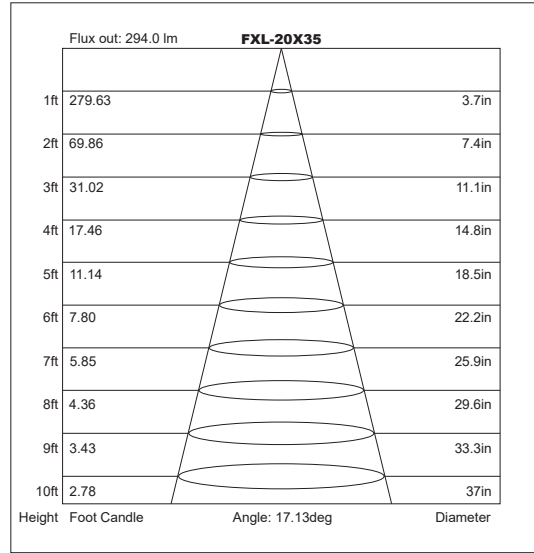
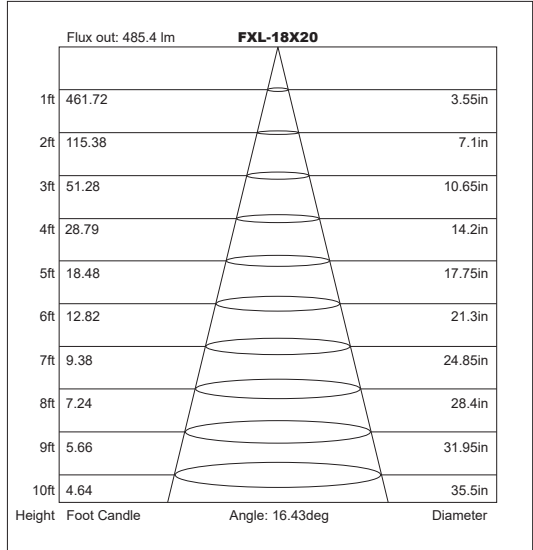
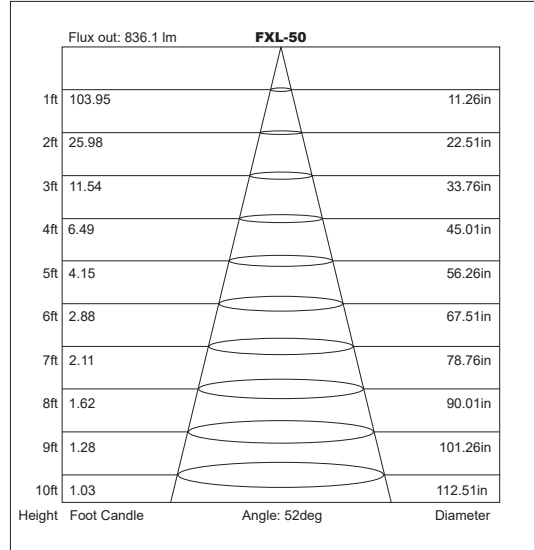
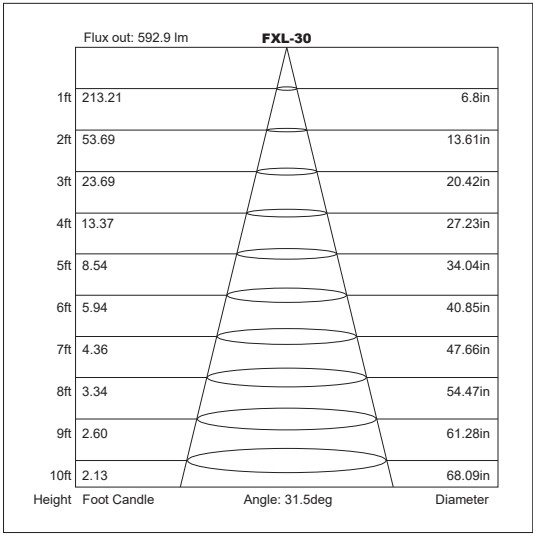
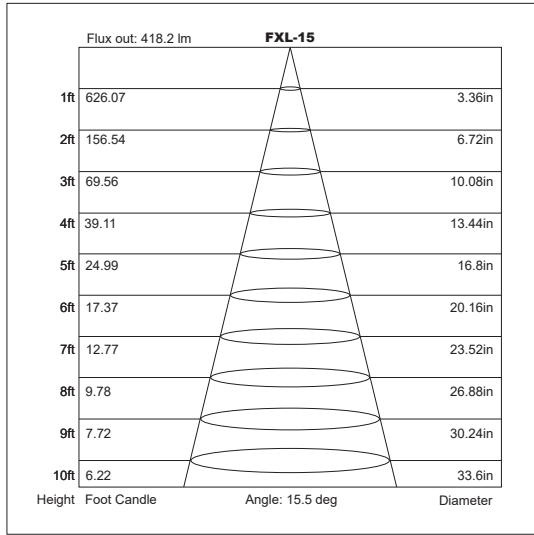


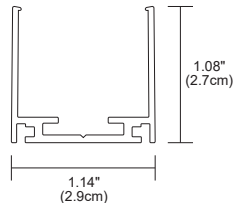
PROJECT		FIXTURE TYPE		DATE	
---------	--	--------------	--	------	--

3D FLEX LENS

24VDC INDOOR /OUTDOOR 7W

Photometric Data

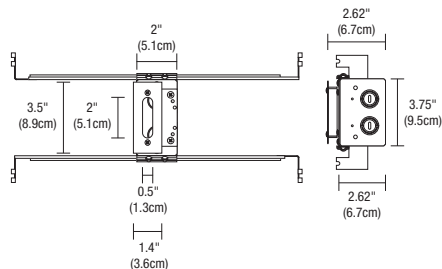
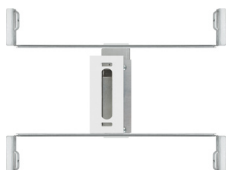




INTERIOR OR EXTERIOR CHANNEL

Interior or exterior channel features an aluminum extrusion with mounting clips included every 20". Available in length up to 40" long, easily fit together and may be cut at the job site.

Product	Length	Finish
EXT1.14	40IN	SA
EXT1.14 Extrusion 1.14" Wide	40IN 40 Inches	SA Satin Aluminum



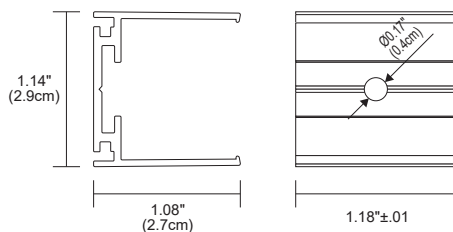
1" RECTANGLE CANOPY & J-BOX*

The Slim-Profile Junction Box with Hanger Bars mounts to studs spaced between 14.5" and 25" apart behind drywall. Allows low voltage DC wires from Remote Power Supply to connect to channel wires.

The Junction Box opening is covered by the fixture for a clean, safe connection. Includes a Goof Plate, for poor plastering around J-box.

*Only to be used with Seamless Indoor Bottom Lead-In and Out

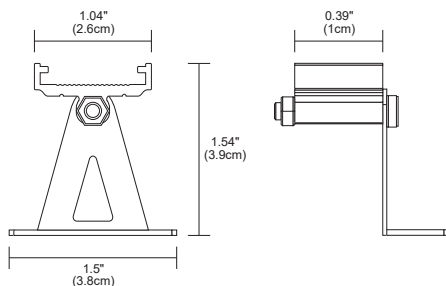
Canopy	Product
1RE	JBOX
1RE 1" Rectangle	JBOX Junction Box



MOUNTING CLIPS

Flex Lens mounting clips are provided with every 12" of Flex Lens and may be ordered separately as replacement parts. The FXL-MCL-090 rotates Channel up to 90°.

System	Product
FXL	MCL
FXL Flex Lens	MCL Mounting Clip



ADJUSTABLE MOUNTING CLIPS

Flex Lens mounting clips are provided with every 12" of Flex Lens and may be ordered separately as replacement parts. The FXL-MCL-090 rotates EXT1.14-40IN-SA Channel up to 90°.

System	Product	Type
FXL	MCL	090
FXL Flex Lens	MCL Mounting Clip	090 Adjust 0-90°



FLEX LENS OUTDOOR ACCESSORIES

24VDC INDOOR /OUTDOOR 7W STATIC WHITE & MONOCHROMATIC COLOR



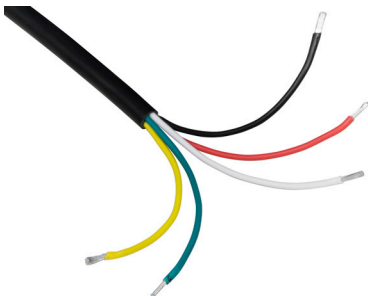
REV 10.03.23



DIRECT BURIAL LOCATION CABLE ORDER PER FOOT

Our Direct Burial, 2 Conductor Plus ground, 12 Gauge Cable is a durable and adaptable cable suitable for transmitting power, control, and switching in outdoor wet and in ground environments. Keep within 60 ft between fixture and power supply. Cable sold by the foot, simply specify the length needed by the foot.

Product	Gauge	Cable	Length In Feet
DB	12G	2C	25
DB Direct Burial	12G 12 Gauge	2C 2 Conductor	1-100 1-100 Feet



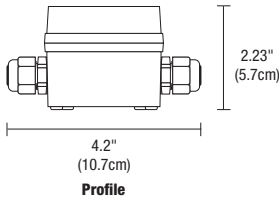
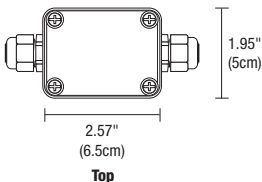
WET AND DAMP LOCATION CABLE ORDER PER FOOT

Our Wet Location, 5 Conductor, 14 Gauge Cable is a durable and adaptable cable suitable for transmitting power, control, and switching in indoor and outdoor wet and damp environments. Cable sold by the foot, simply specify the length needed by the foot. Keep within 50 ft between fixture and power supply. Cable sold by the foot, simply specify the length needed by the foot. Can be used for center power feed to link multiple static white or monochromatic fixtures.

Product	Gauge	Cable	Length In Feet
OC	14G	5C	25
OC Outdoor Cable	14G 14 Gauge	5C 5 Conductor	1-100 1-100 Feet

WET LOCATION JUNCTION BOX

Wet-rated low voltage Splice Box with connectors.



Product	Type	Option
2RE	JBOX	W
2RE 2" Rectangle	JBOX Junction Box	W Wet Location



WET LOCATION JUNCTION BOX WITH 6" POWER CABLE

This watertight, multi-fixture Junction Box is especially designed for lighting in wet and damp locations. It is versatile, rugged and simple to install. The Junction Box comes standard with a 6" four wire flexible cable providing easy, safe, and reliable connections for 24V low voltage luminaires. This box is approved for indoor and outdoor usage and complies with all the requirements of UL1241 and the National Electric Code.

Product	Canopy	Product	Size	Option
SS	2RE	JBOX	12IN	W
SS Soft Strip	2RE 2" Rectangle	JBOX Junction Box	12IN 12" Four Wire Connection 96IN 96" Four Wire Connection	W Wet Location