# EASY LINE - Frost LL28

designplan

EASY LINE is a vertical, bendable LED strip that is IP65-IP68 rated ideal for fountains or swimming pools for panel installation in reinforced concrete with tiles or pool liner. It is available in Transparent, Frost, Clear or Total Light with static white, tunable white or RGB, and guarantees protection against UV rays and the corrosive action of salt and sodium hypochlorite. EASY LINE Frost has opal resin with a white outercasing. **Not cuttable in the field.**

UL 676

TECHNICAL DATA

Wattage	11W / 3.28 ft (1 m)
Power Supply	Remote Fountain/Pool Approved 24VDC Power Supply, not included. See page 2.
Construction	Body: Opal Polyurethane Resin Outercase: White PVC
CCT	2850K, 3250K, 4450K, 5550K (108 LED / 3.28') Single Colors: Red, Green, Blue, Amber
CRI	85
Delivered Lumens	750 lm / 3.28' (2850K) 850 lm / 3.28' (4450K) 830 lm / 3.28' (3250K) 730 lm / 3.28' (5550K)
Efficacy	68.2 lm/W (2850K) 77.3 lm/W (4450K) 75.5 lm/W (3250K) 66.4 lm/W (5550K)
Nanoscale	Red: 625 nm Blue: 465 nm Green: 525 nm Amber: 590 nm
Optics	120°
Fixture Dimensions	0.37" w x 0.26" h x Various Lengths
LED Source	SMD 3030
LED Spacing	108 LED per 3.28 ft (1 m), 0.36" between LEDs
Lumen Maintenance	L80,B10>50,000 hrs
Color Consistency	2-3-Step MacAdam
Operating Temp.	-22°F to 131°F
IP Rating	IP65 / IP68

Fixture Dimensions

0.26"
0.37"

0.37"
0.26"
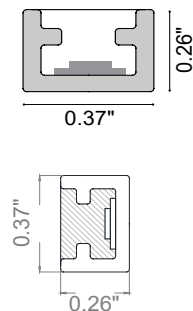
NOT CUTTABLE IN THE FIELD

ORDERING INFORMATION

Example: LL28-N.24.68.F.US. Power Supplies / Accessories ordered separately.

LL28	-		. 24	.	. F	. US

Model No.	**CCT**		**Power**	**IP Rating**		
LL28 - 108 LED / 3.28' (1 m)	**V** - 2850K	**R** - Red	**24** - 24VDC	**65** - IP65	**F** - Frost	**US**
	W - 3250K	**G** - Green		**68** - IP68		
	N - 4450K	**B** - Blue				
	C - 5550K	**A** - Amber				

Job Name/Date:

Fixture Type Designation:

SUGGESTED POWER SUPPLIES
24VDC

| Part Number	Description	Input/Output	# of Fixtures
PPLT00056	Non-Dim	120-277VAC to 24VDC, 26W, Class 2, IP66	1-1
PPLT00690	ELV / TRIAC & 0-10V Dimming	120-277VAC to 24VDC, 40W, Class 2, IP67	1-2
PPLT00284	Non-Dim	120-277VAC to 24VDC, 100W, Class 2, DAMP	1-7
PPLT00543	0-10V Dimming to 15% (-40°C / -40°F cold weather start)	120-277VAC to 24VDC, 100W, Class 2	1-7

Suggested Lutron Compatible

| Part Number	Option	Lutron SKU	Dim Range	Description	Input/Output	# of Fixtures
PPLT00273	L3DAE / L3DA3W	L3DA	100%-1%	Hi-Lume™ 1% EcoSystem™ or 1% 3-Wire LED Driver	120-277VAC to 24VDC, 40W, Class 2	1-2
PPLT00530	L3DAE / L3DA3W	L3DA	100%-1%	Hi-Lume™ 1% EcoSystem™ or 1% 3-Wire LED Driver	120-277VAC to 24VDC , 96W, Class 2	1-6

For other power supply options consult factory.
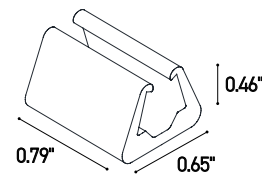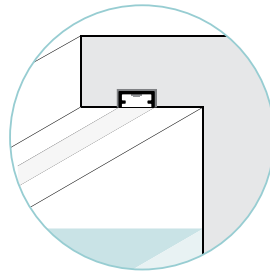
ACCESSORIES - Installation
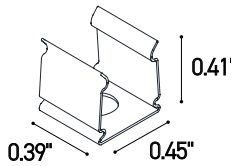
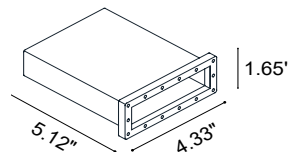

CLIP-AC-9.5x6.5-AC
Harmonic steel clips
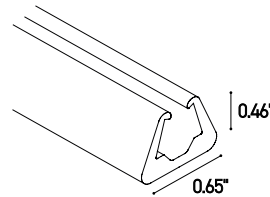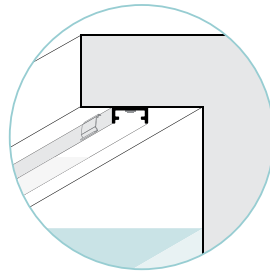
OUT-S-9.5x6.5.F/W
Flexible Silicone Outercase
L=16.4"
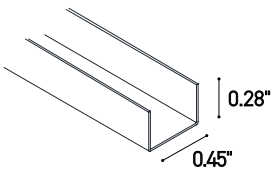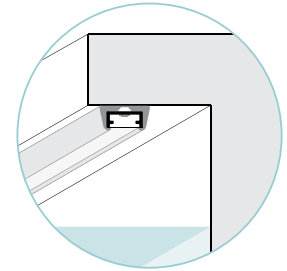
PRO-AL-9.5x6.5-AL
Rigid Aluminum Outercase
L=9.84'

CLIP-S-9.5x6.5.F/W
Silicone Clip

CABLE-BOX
Cable box

Job Name/Date:

Fixture Type Designation:

sales@designplan.com
www.designplan.com

79 Trenton Avenue, Frenchtown NJ 08825
© Copyright 2024 Designplan Lighting, Inc.
Published: September 30, 2024

P: 908-996-7710
F: 908-996-7042
2 of 3

designplan

POWER CABLE EXIT / AREA WITH REDUCED LIGHT

0.20"

Opposite side

0.39"

X. End feed

0.39"

* Only IP65

Z. Back feed
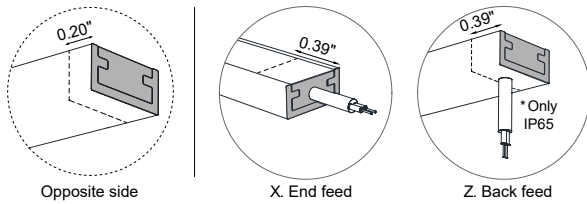
CONNECTORS

THB.381.A2A.R
Micro plug and socket connector.
2PIN. male+female.
IP68. Ø0.55" x 3.54".
Compatible for all models except RGB, RGBW and Tunable white.

THB.387.A4A.L.R
Micro plug and socket connector.
4PIN. male+female.
IP68. Ø0.91" x 4.45".
Compatible for all models except RGBW.

THB.391.A4A.L.R
Mini In-line circular joint connector.
4PIN. male+female.
IP68. Ø0.91" x 3.74".
Compatible for all models except RGBW.

THB.402.D4A.R
Connector type "T". 4PIN.
IP68. Ø1.26" x 3.58" x 4.76".
Compatible for all models except RGBW.

THB.209.A4A
Junction box type "H". 4PIN.
IP68. 4.25" x 2.56" x 1.10".
Compatible for all models except RGBW.

THB.399.D4E
Connector type "Y". 4PIN.
IP68. Ø1.26" x 2.48" x 7.09".
Compatible for all models except RGBW.

THB.392.A4A
Connector type "H". 4PIN.
IP68. Ø1.10" x 2.13" x 3.15".
Compatible for all models except RGBW.

THB.390.C1A
Connector type "T". 3PIN.
IP68. Ø1.26" x 3.62"x 2.87".
Compatible for all models except RGB and RGBW.

Job Name/Date:

Fixture Type Designation:

sales@designplan.com
www.designplan.com

79 Trenton Avenue, Frenchtown NJ 08825
© Copyright 2024 Designplan Lighting, Inc.
Published: September 30, 2024

P: 908-996-7710
F: 908-996-7042
3 of 3