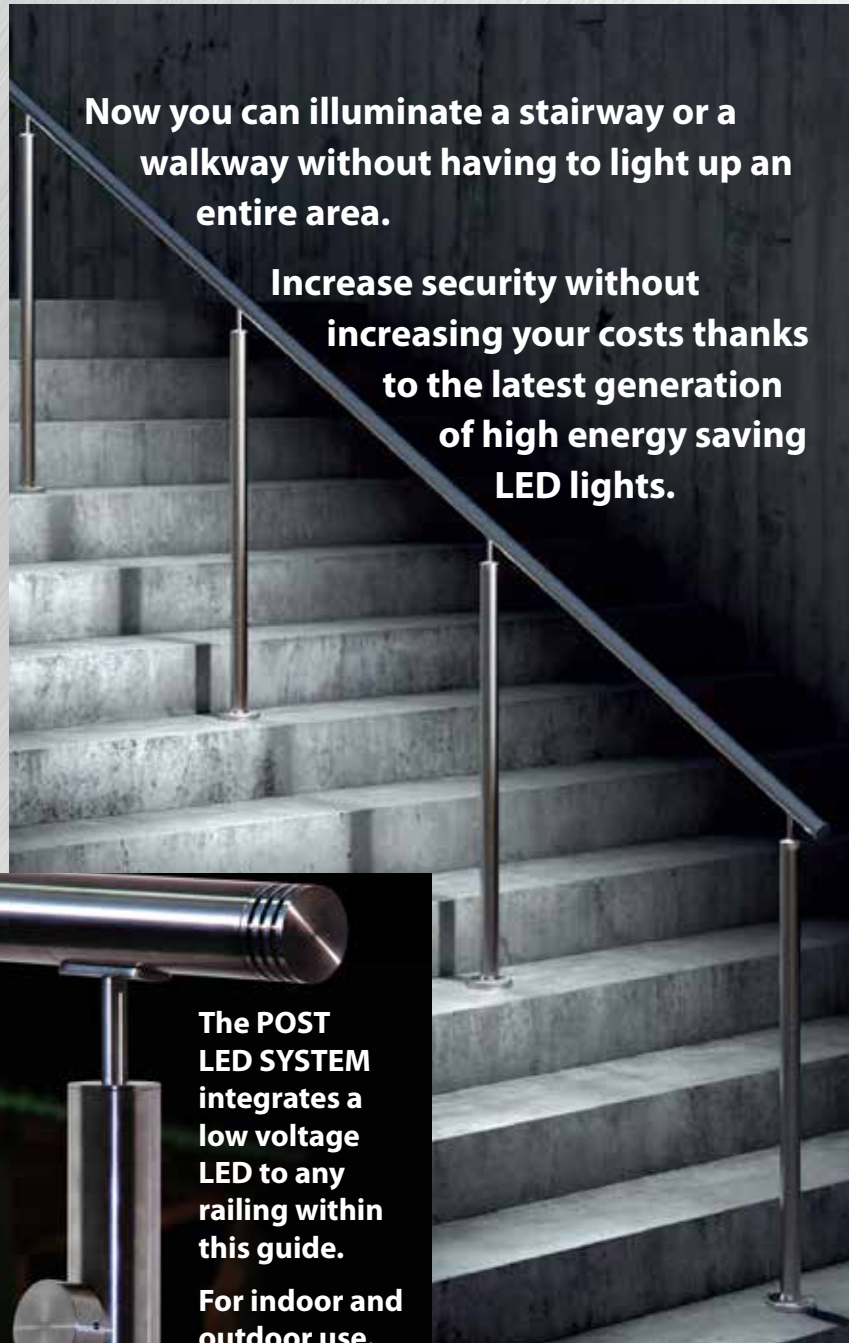


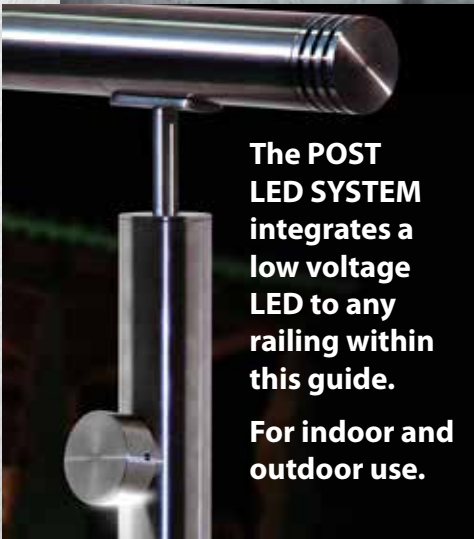
Architectural Iron Designs, Inc.

**STAINLESS STEEL RAILING
LED SYSTEM**



Now you can illuminate a stairway or a walkway without having to light up an entire area.

Increase security without increasing your costs thanks to the latest generation of high energy saving LED lights.



The POST LED SYSTEM integrates a low voltage LED to any railing within this guide.

For indoor and outdoor use.

950 South 2nd Street, Plainfield, NJ 07063 • Ph: 800.784.7444 • Fax: 908.757.3439

Email: aisales@archirondesign.com • www.archirondesign.com

LED SYSTEM FOR STAINLESS STEEL RAILING

AISI 303/304: Use for interior applications | **AISI316:** Use for exterior applications | *All items in Satin stainless #4 finish*

CONNECTORS



ITEM #
ELED0002

To connect the LED strip to the feeder



ITEM #
ELED0003

To join two LED strips linearly



ITEM #
ELED0004

To join two LED strips by a 5-7/8" flexible cable



ITEM #
ELED0009

To join two LED strips with a 90° elbow



ITEM #
ELED0005

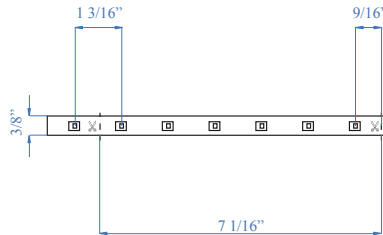
To be used at each installation. Protects the end of the strip not connected

FEEDERS



ITEM #	DIMENSION	INPUT	OUTPUT	POWER
ELED0100	7-15/32" X 2-1/32" X 1-7/16"	100-240VAC 2.2 A 50/60HZ	+24V 4.2 A	100W - Runs up to 88-1/2'
ELED0110	6-3/8" X 1-21/32" X 1-1/4"	100-240VAC 1.2 A 50/60HZ	+24V 2.5 A	60W - Runs up to 52-1/2'
ELED0120	5-13/16" X 1-9/16" X 1-3/16"	100-240VAC 1.1 A 50/60HZ	+24V 1.5 A	35W - Runs up to 29-1/2'
ELED0130	7-1/2" X 1-3/16" X 25/32"	200-240VAC 0.3 A 50/60HZ	+24V .75 A	18W - Runs up to 13'

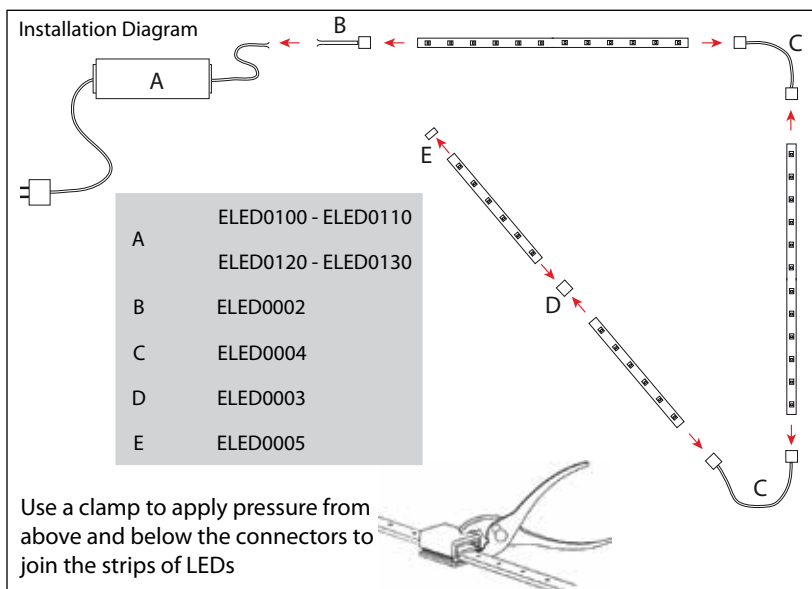
LED STRIP



ITEM #
ELED0001

Revolutionary LED Strip:

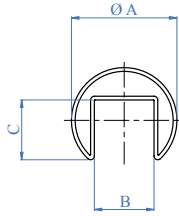
- Totally waterproof underwater
- Ultra-bright (over 180 lumens)
- Ultra-thin, flexible, easy to install and cut, virtually indestructible
- Every 7-1/16" you'll find marks where you can cut the ribbon.
- Sold by the meter. Maximum length 82'



LED SYSTEM FOR STAINLESS STEEL RAILING

AISI 303/304: Use for interior applications | **AISI316:** Use for exterior applications | *All items in Satin stainless #4 finish*

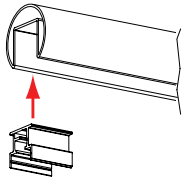
HANDRAIL



ITEM #	AISI	TUBE A	B	C
E1000424	304	1-2/3" dia.	15/16"	15/16"
E1100424	316	1-2/3" dia.	15/16"	15/16"

Steel handrail specifically designed for the LED Railing System.
Sold in 19'8" lengths.

SUPPORTING LED SYSTEM COMPONENTS



ITEM #
ELED0013

Galvanized profile to be applied to the slotted tube for the sliding of the LED strips. 1-3/16" long.



ITEM #
ELED0006

To attach the strips LED to the slotted handrail. Package of 10 pieces with screws.



ITEM #
ELED0012

Transparent PVC gasket for the LED covering. To be applied to item ELED0013. 6'6-3/4" long.



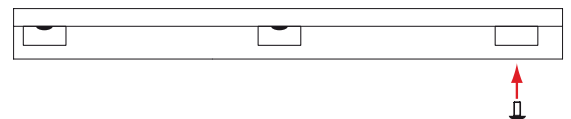
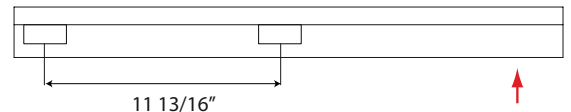
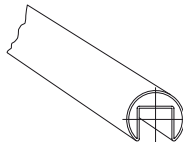
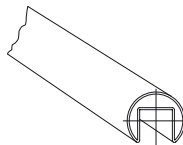
ITEM #
E1999892

Double sided adhesive tape. Coil length: 108' 3" long
Dimension: 19/32" - 1/16"

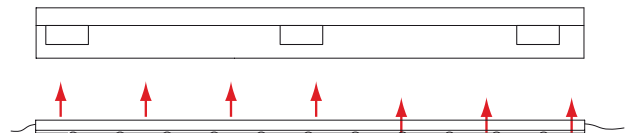
INSTALLATION INSTRUCTIONS

- 1a** Apply the item ELED0013 inside the slotted tube using item E1999892, double sided tape. Place the locking brackets at a maximum distance of 11-13/16".

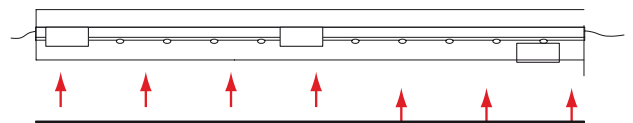
- 1b** For a more secure fixing you can use the M3 screws directly anchored to the slotted handrail. It is recommended that a pre-drilled hole be made before using the M3 screw.



- 2** Apply the LED lights to the bracket with slight pressure.



- 3** Close the profile with the LED transparent gasket ELED0012.



LED SYSTEM FOR STAINLESS STEEL RAILING

AISI 303/304: Use for interior applications

AISI316: Use for exterior applications

All items in Satin stainless #4 finish

POSTS

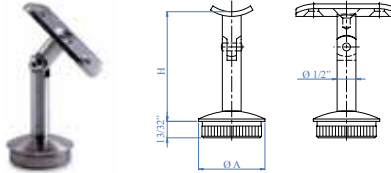
Stainless Steel Newel Post

Satin finish, with grain 240, complete with welded flange.

AISI 304	AISI 316	H
E0042	E0042316	39-3/8"
E0040	E0040316	47-1/4"

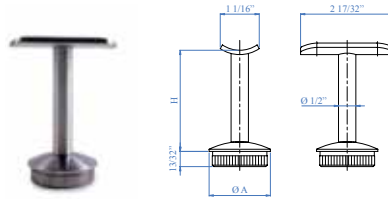


SUPPORT BRACKETS



Pivotal Support Bracket for Round Tubing

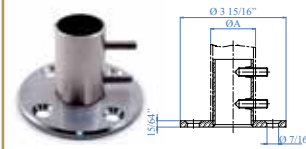
ITEM #	AISI	HANDRAIL
E030/S	303	1-2/3" Ø tube
E030/S316	316	1-2/3" Ø tube



Rigid Support Bracket for Round Tubing

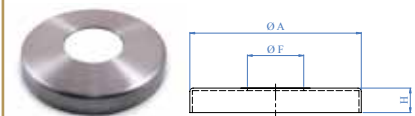
ITEM #	AISI	HANDRAIL
E031/S1	303	1-2/3" Ø tube
E031/S1316	316	1-2/3" Ø tube

FLANGES



Floor Anchorage

ITEM #	AISI
E0213	304
E0213316	316



Stainless Steel Flange Canopy

A: 4-9/64 F: 1-11/16" Ø H: 19/32"

ITEM #	AISI
E020	304
E4072	316

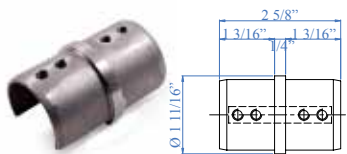
TUBING

Stainless Steel Tubing 1-2/3" Ø x 5/64"

ITEM #	AISI	LENGTH
E001	304	9'10"
E001/6000	304	19'8"
E4801	316	9'10"
E4801/6000	316	19'8"

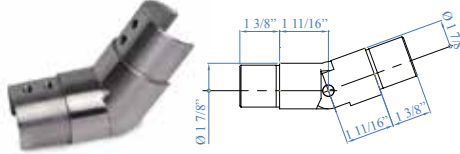


CONNECTORS



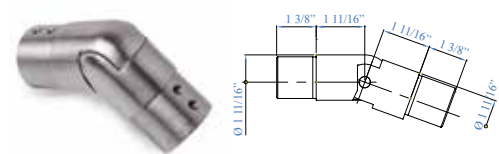
Connector

ITEM #	AISI	FOR TUBE
E1200200	304	1-2/3" Ø x 1/16"
E1200100	316	1-2/3" Ø x 1/16"



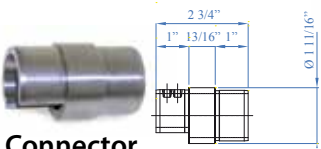
Upward Pivotal Connector, 25-55°

ITEM #	AISI	FOR TUBE
E1510100	316	1-2/3" Ø x 1/16"



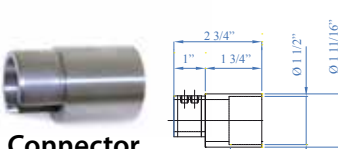
Downward Pivotal Connector, 25-55°

ITEM #	AISI	FOR TUBE
E1520100	316	1-2/3" Ø x 1/16"



Connector

To join the slotted tube to a normal tube 1-2/3" Ø



Connector

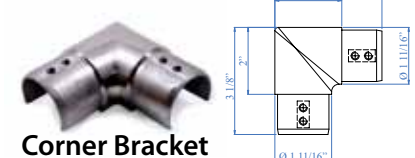
To join the slotted tube to item E450



Stainless Steel Connector Fitting

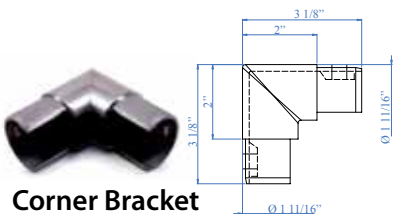
ITEM #	AISI
E455	316

Use with E001 or E4801



Corner Bracket

ITEM #	AISI	FOR TUBE
E1400200	304	1-2/3" Ø x 1/16"
E1400100	316	1-2/3" Ø x 1/16"



Corner Bracket

ITEM #	AISI	FOR TUBE
E1500200	304	1-2/3" Ø x 1/16"
E1500100	316	1-2/3" Ø x 1/16"



Stainless Steel 90 degree Elbow

ITEM #	AISI	A
E450	316	2-9/16"

Use with E001 or E4801



Stainless Steel 90 degree Elbow

ITEM #	AISI	A
E451	316	2-9/16"

Use with E001 or E4801



Stainless Steel Pivotal Connector Fitting

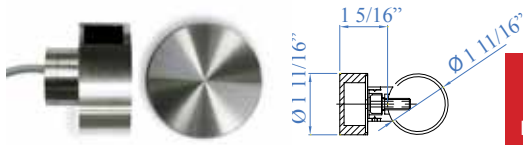
ITEM #	AISI
E446	316

Use with E001 or E4801

LED SYSTEM FOR STAINLESS STEEL RAILING

AISI 303/304: Use for interior applications | **AISI316:** Use for exterior applications | *All items in Satin stainless #4 finish*

POST LIGHTS



THE POST LIGHTS MUST BE CONNECTED SERIALLY

Cylindric Shaped LED Light, 1-2/3" dia.

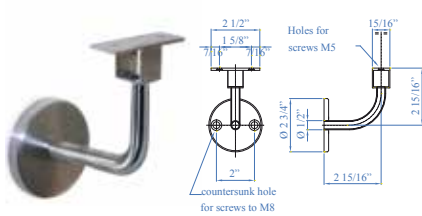
ITEM #	AISI	FOR TUBE	POWER
ELED1000	316	1-2/3" Ø x 5/64"	1W
ELED1100	316	Flat Face	1W

FEEDER



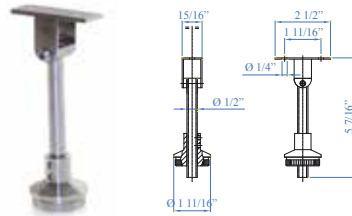
ITEM #	OUTPUT
ELED0150	3-38V
DIMENSION	.35 A
3-2/3" X 1-17/32" X 3/4"	POWER 14W
INPUT	MIN 4 LED
200-240VAC 0.12 A	MAX 12 LED
50/60HZ	

SUPPORT BRACKETS FOR USE WITH LED HANDRAIL



Support Bracket for LED Handrail

ITEM #	AISI
E1530100	316

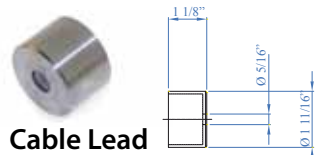


Support Bracket for LED Handrail

ITEM #	AISI
E1540100	316



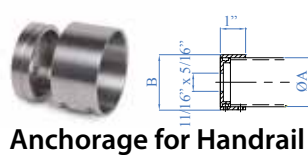
MISCELLANEOUS CONNECTORS



Cable Lead

ITEM #	AISI
E1100120	316

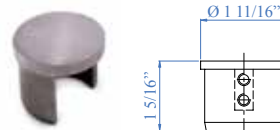
To lead the cable to the wall



Anchorage for Handrail

ITEM #	AISI	FOR TUBE	B
E2070	316	1-2/3" Ø x 1/16"	1-7/8"

END CAPS



End Cap for LED Handrail

ITEM #	AISI	FOR TUBE
E1100200	304	1-2/3" Ø x 1/16"
E1100100	316	1-2/3" Ø x 1/16"



Stainless Steel Flat End Cap

ITEM #	AISI
E01151	303

INSTALLATION INSTRUCTIONS OF THE LED TO THE POST



1
Drill and thread M8.



2
Install the rear anchor using the drilled screw included.



3
Enter the power cable into the screw hole and connect it to the feeder.



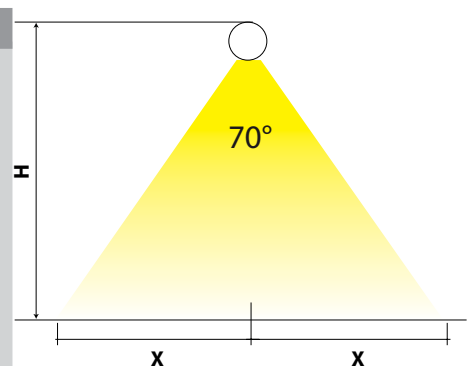
4
Fix the spotlight to its anchor by tightening the grain.



5
Installation complete.

LIGHT EXIT AND COLOR DISTRIBUTION

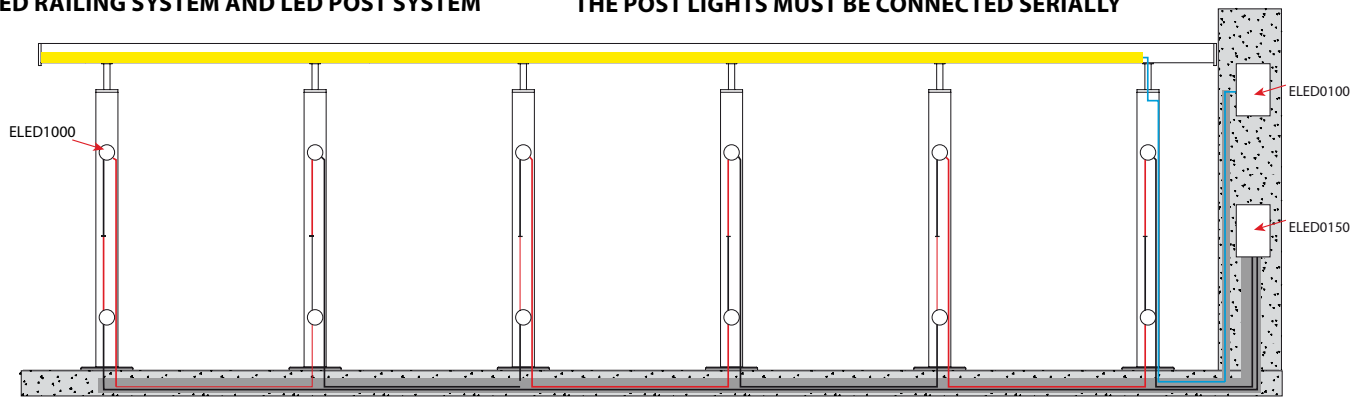
H	X
47 1/4"	33 1/16"
43 1/4"	30 5/16"
39 1/2"	27 9/16"
35 7/16"	24 25/32"
31 1/2"	22 1/16"
27 9/16"	19 9/32"
23 5/8"	16 17/32"
19 11/16"	13 25/32"
5 3/4"	11 1/32"
11 13/16"	8 1/4"
7 7/8"	5 1/2"



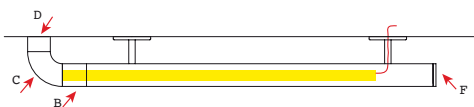
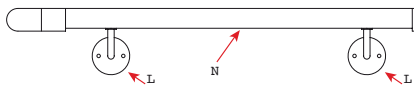
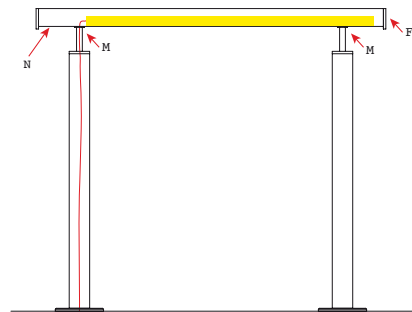
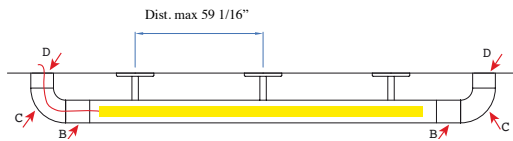
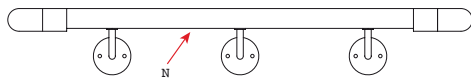
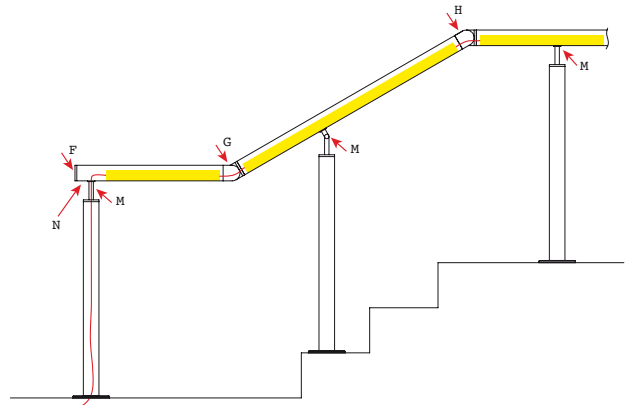
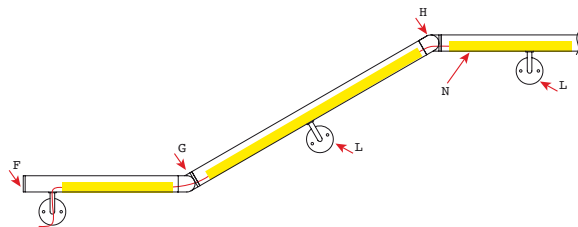
STAINLESS STEEL RAILING LED SYSTEM

EXAMPLE LED RAILING SYSTEM AND LED POST SYSTEM

THE POST LIGHTS MUST BE CONNECTED SERIALLY



EXAMPLES LED RAILING SYSTEM



PART KEY

	ELED0001
A	E1200120
B	E1200130
C	E450
D	E1100120
E	E0213
F	E1100100
G	E1510100
H	E1520100
I	E1200100
L	E1530100
M	E1540100
N	E1000424 - E1100424