

# 17 LED SYSTEM

SLOTTED TUBE & LED CABLE	164
CONNECTORS	165
BRACKETS	166
SLOTTED TUBE FITTINGS	167
EXAMPLES OF APPLICATIONS	168

## 17 LED SYSTEM



RUBBER Mallet TO BE USED



PRODUCT TO BE GLUED WITH E4054



ASSEMBLY WITH ALLEN KEY



PRODUCT TO BE WELDED



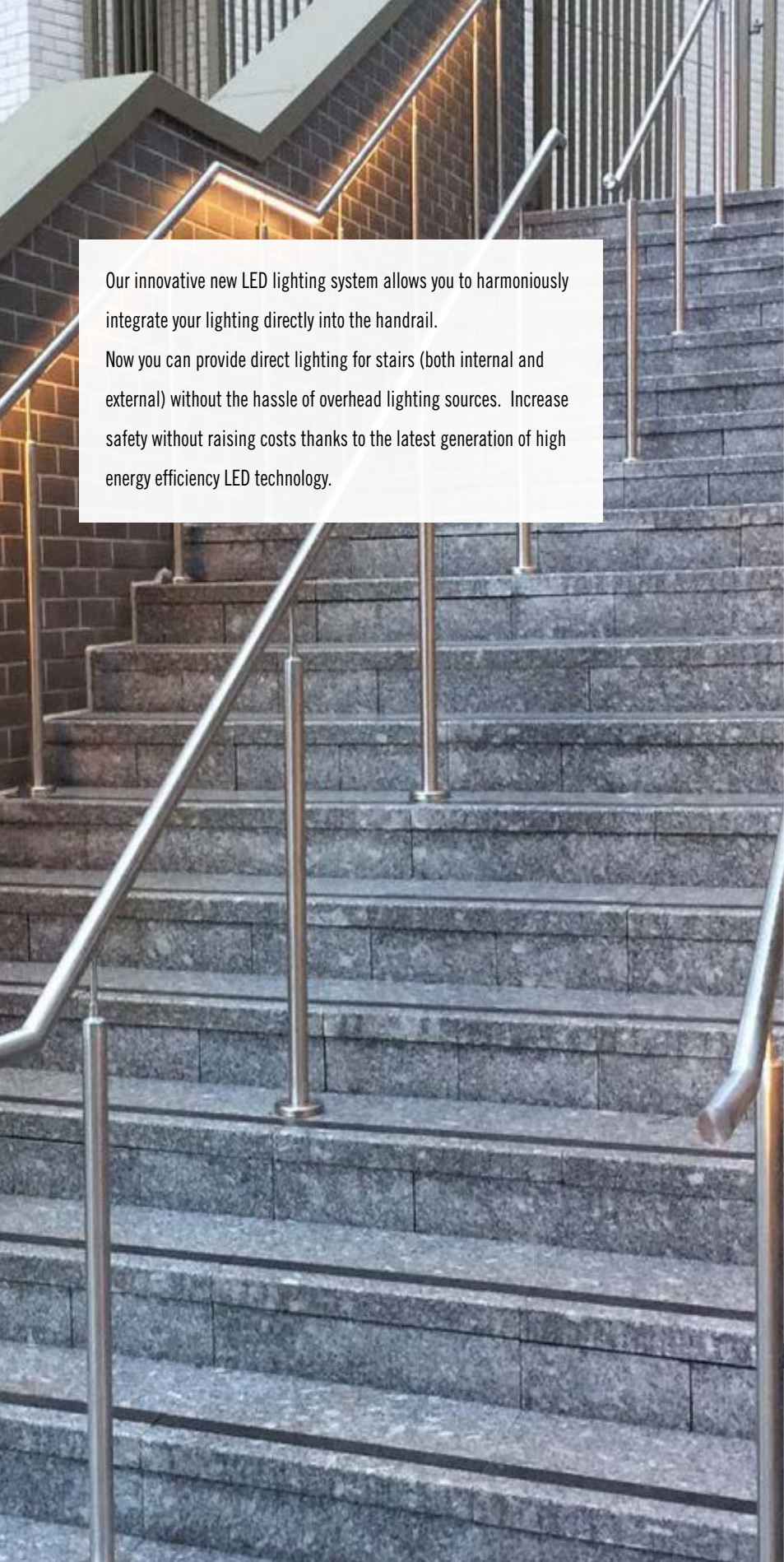
ANTI-CLIMB PRODUCT



SUPER STRONG, HIGH RESISTANT PRODUCT

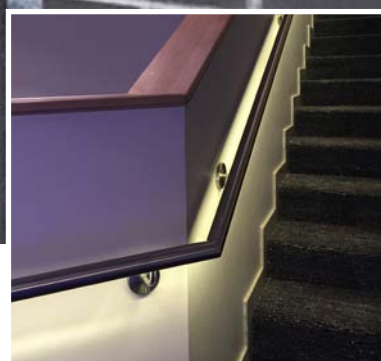
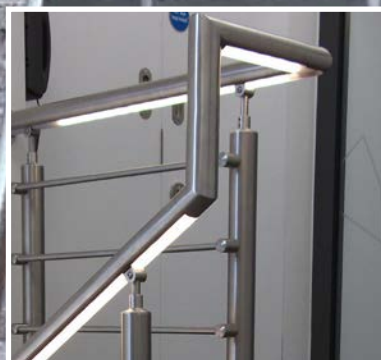
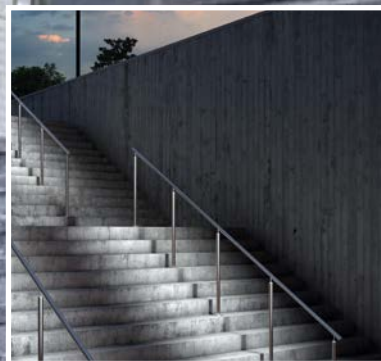




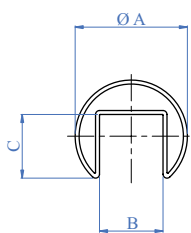


Our innovative new LED lighting system allows you to harmoniously integrate your lighting directly into the handrail.

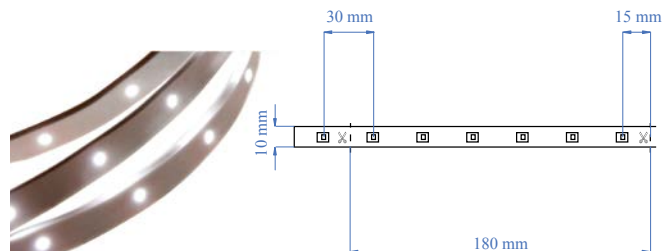
Now you can provide direct lighting for stairs (both internal and external) without the hassle of overhead lighting sources. Increase safety without raising costs thanks to the latest generation of high energy efficiency LED technology.



# LED SYSTEM - SLOTTED TUBE & LED CABLE



Steel handrail specially designed for the LED Railing System line



The revolutionary LED Cable is:

- totally waterproof
- ultra-bright (over 180 lumens)
- ultra-thin, flexible, easy to cut and install, virtually indestructible

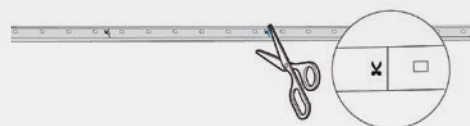
AISI304	AISI316	FOR TUBE A	LENGTH	B	C
E1000424	E1100424	Ø 42.4 x 1.5mm	6000mm	24mm	24mm

LED	METRE
ELED0001	Sold by the metre. Maximum length 25m

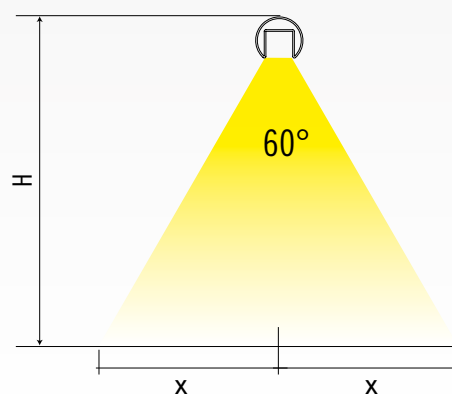
Input voltage	24 V
Input current	154 mA
Power	3.7 W/m
Weight	60 g/m
Life time	35,000hrs
Beam angle	110°
Luminosity /m	198 lm
CRI	72
No. Led /18cm	6
Operating temperature	-20 C° + 50 C°
Use	Indoor/outdoor

## LIGHT EXIT AND COLOUR DISTRIBUTION

HEIGHT H	ILLUMINATED AREA X
1200mm	692mm
1100mm	635mm
1000mm	579mm
900mm	519mm
800mm	461mm



Every 18cm you will find marks where the strip can be cut



## 17 LED SYSTEM - CONNECTORS



DESCRIPTION	
ELED0002	To connect the LED strip to the feeder

DESCRIPTION	
ELED0003	To join two LED strips in a line

DESCRIPTION	
ELED0004	To join two LED strips by a 15mm flexible cable

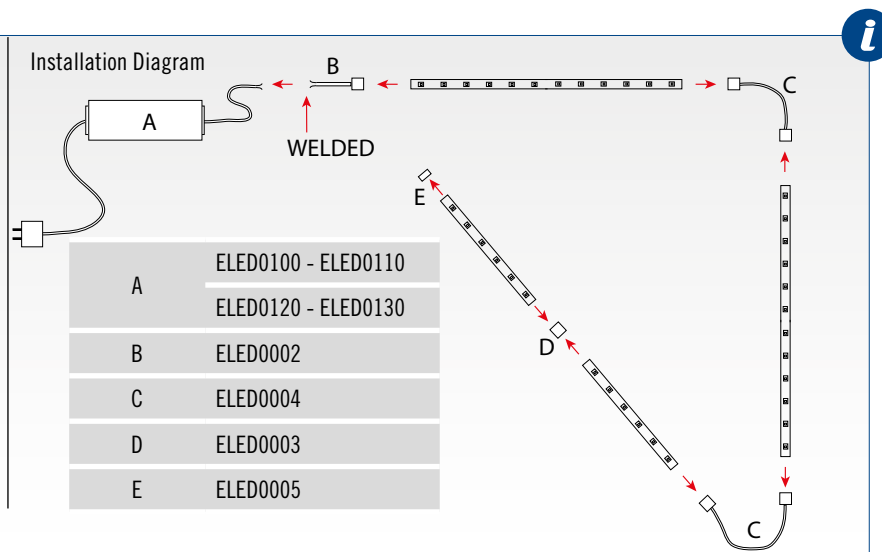
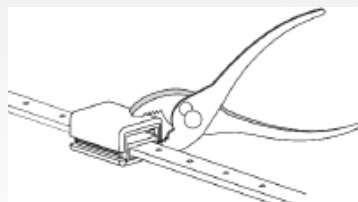
DESCRIPTION	
ELED0009	To join two LED strips with a 90° elbow

DESCRIPTION	
ELED0005	To be used on every installation. Protects the unconnected end of the strip

## Feeders

DESCRIPTION		INPUT	OUTPUT	POWER
ELED0100	190 x 52 x 37mm	100-240VAC 2.2 A 50/60 Hz	+24 V 4.2 A	100 W < 27m
ELED0110	162.5 x 42.5 x 32mm	100-240VAC 1.2 A 50/60 Hz	+24 V 2.5 A	60 W < 16m
ELED0120	148 x 40 x 30mm	100-240VAC 1.1 A 50/60 Hz	+24 V 1.5 A	35 W < 9m
ELED0130	140 x 30 x 20mm	200-240VAC 0.3 A 50/60 Hz	+24 V 0.75 A	18 W < 4m

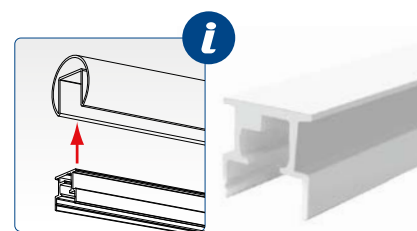
Use a clamp to apply pressure from above and below the connectors to join the strips of LED's



# LED SYSTEM - BRACKETS

The simple LED railing system employs supporting brackets that can be easily attached to the slotted tube.

PVC	DESCRIPTION	LENGTH
ELED0014	White profile to be applied to the slotted tube for the sliding of the LED strips	2000mm
ELED0015	White profile to be applied to the slotted tube for the sliding of the LED strips	Kit 5 pcs x 100mm



PLASTIC	DESCRIPTION
ELED0006	To attach the LED strips to the slotted handrail. Packaging: 10pcs with screws



PVC	DESCRIPTION	LENGTH
ELED0012	Interlocking LED cover in transparent rubber	2000mm

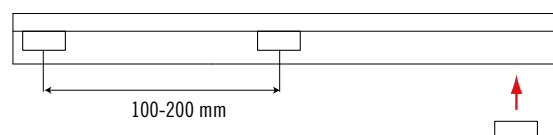
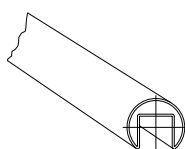


BIADHESIVE TAPE	DESCRIPTION	COIL LENGTH	DIMENSIONS
E1999892	Double-sided adhesive tape	33m	15 x 1.5mm



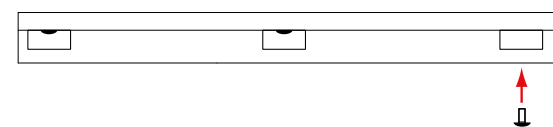
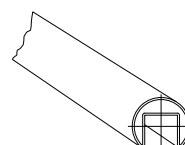
## 1a

Apply part ELED0015 inside the slotted tube using the supplied biadhesive E1999892. Place the locking brackets at a maximum distance of 100 - 200mm.



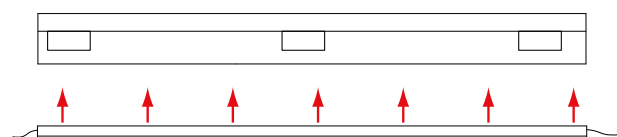
## 1b

For a more secure fixing you can use the M3 screws directly anchored to the slotted handrail. Aalco recommends you pre-drill a hole before fitting the M3 screw.



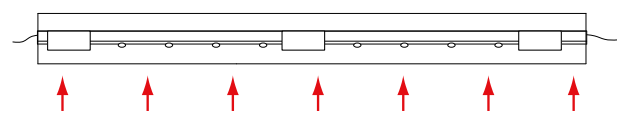
## 2

Apply the LED lights to the bracket with slight pressure.



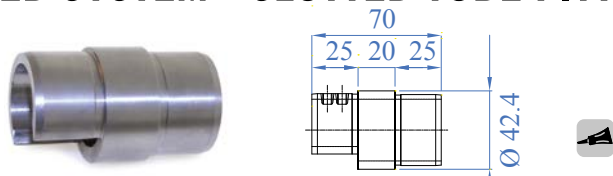
## 3

Close the profile containing the LED with the transparent gasket ELED0012.



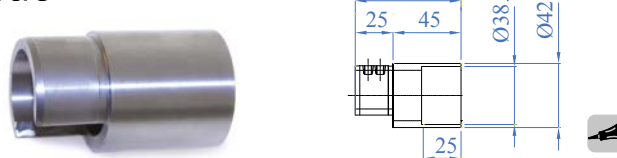


# LED SYSTEM - SLOTTED TUBE FITTINGS



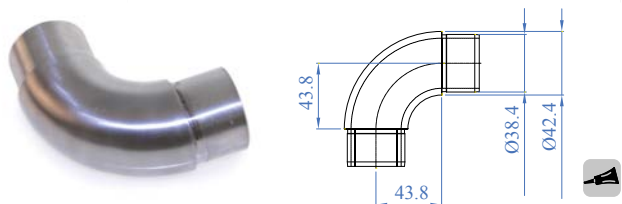
**AISI316** DESCRIPTION

E1200120 To join the slotted tube to a normal tube Ø 42.4mm



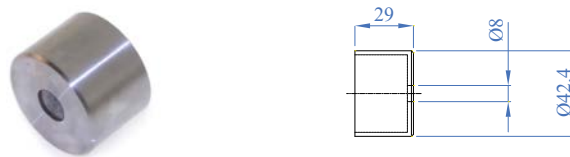
**AISI316** DESCRIPTION

E1200130 To join the slotted tube to E450



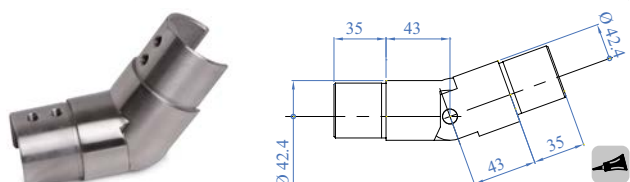
**AISI316** DESCRIPTION

E450 90° connector



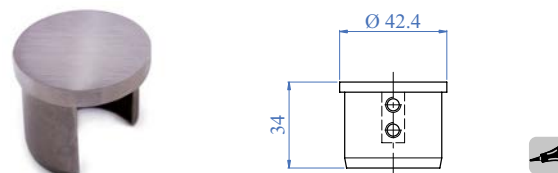
**AISI316** DESCRIPTION

E1100120 To lead the cable to the wall



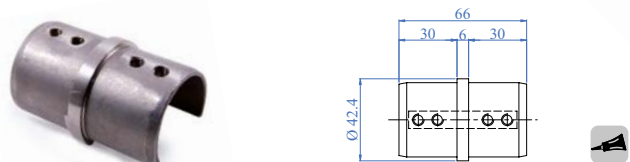
**AISI316** DESCRIPTION

E1510100 Articulated connector for slotted tube



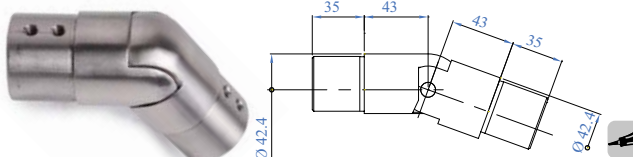
**AISI316** DESCRIPTION

E1100100 End cap



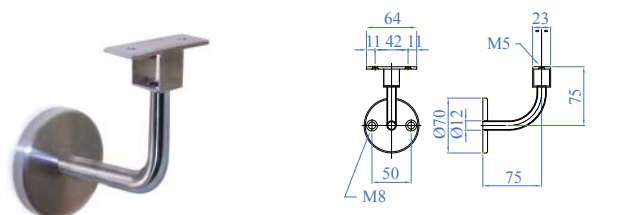
**AISI316** FOR TUBE

E1200100 Ø 42.4 x 1.5mm



**AISI316** FOR TUBE

E1520100 Articulated connector 25-55° (down) for slotted tube



**AISI304**

**AISI316**

DESCRIPTION

E1530100/304 E1530100 Wall handrail support

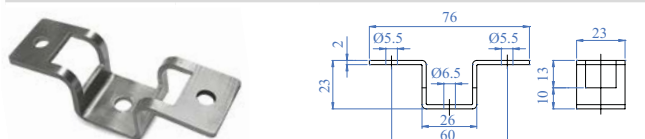


**AISI316** FOR TUBE A

B

E2070 Ø 42.4mm

48.6mm

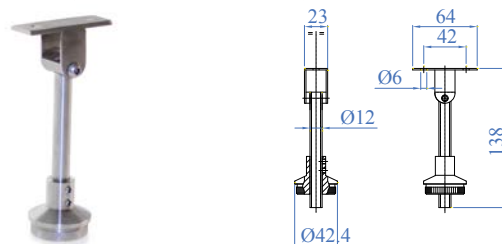


**AISI304**

**AISI316**

DESCRIPTION

E1540120/304 E1540120 Mounting plate for handrail support



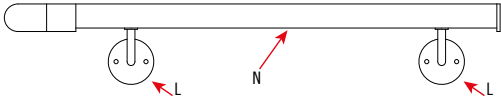
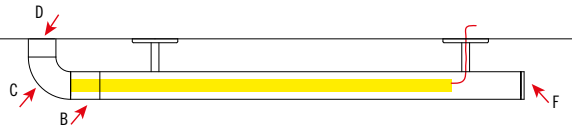
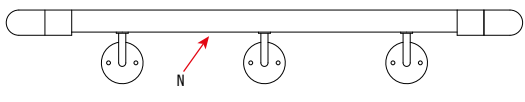
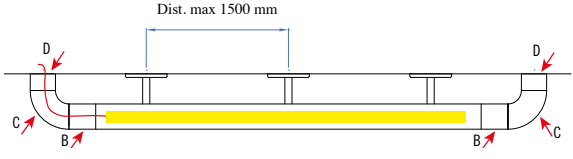
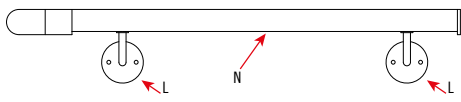
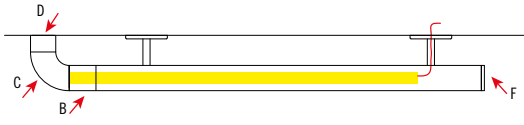

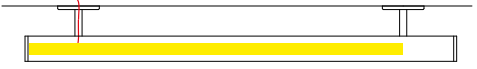
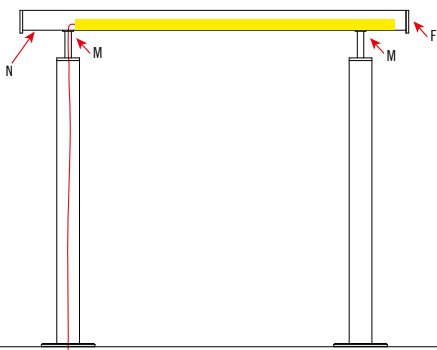
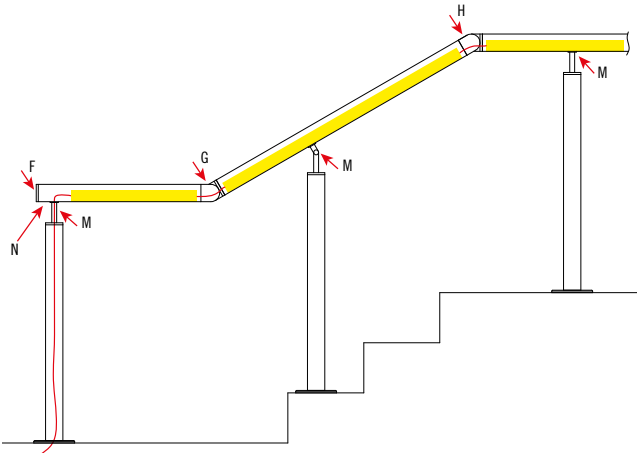
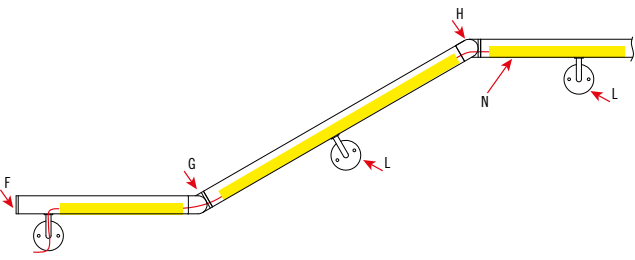
**AISI304**

**AISI316**

DESCRIPTION

E1540100/304 E1540100 Handrail support for newel post

# LED SYSTEM - EXAMPLES OF APPLICATIONS

 	 																								
 	 																								
																									
	<table border="1"> <thead> <tr> <th></th><th>ELED0001</th></tr> </thead> <tbody> <tr> <td>A</td><td>E1200120</td></tr> <tr> <td>B</td><td>E1200130</td></tr> <tr> <td>C</td><td>E450</td></tr> <tr> <td>D</td><td>E1100120</td></tr> <tr> <td>F</td><td>E1100100</td></tr> <tr> <td>G</td><td>E1510100</td></tr> <tr> <td>H</td><td>E1520100</td></tr> <tr> <td>I</td><td>E1200100</td></tr> <tr> <td>L</td><td>E1530100</td></tr> <tr> <td>M</td><td>E1540100</td></tr> <tr> <td>N</td><td>E1000424 - E1100424</td></tr> </tbody> </table>		ELED0001	A	E1200120	B	E1200130	C	E450	D	E1100120	F	E1100100	G	E1510100	H	E1520100	I	E1200100	L	E1530100	M	E1540100	N	E1000424 - E1100424
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