

Modular Railing Systems

Rectangle Aluminum Illuminated Handrail

Application

Smartlights by Smart Railings is a Modular System for use in interior or exterior commercial and residential applications. The LED illuminated handrail or cap rail produces a continuous stream of light adding safety and atmosphere. The system is pre-wired with no visible cables. Simple to install, the OSRAM LED strips simply click into place. The 24v system uses IP67 LED's for outdoor applications. Dimmable power supplies make this ideal for darker interior applications such as theaters and concert halls. The system is UL listed.

Railing

The Rectangle aluminum illuminated cap rail is a glass mounted rail system and allows the LED strips to be positioned in front of or behind the glass. Choose from 50° or 22.5° spread during installation. LED strips are covered by transparent or frosted lenses.

LEDs

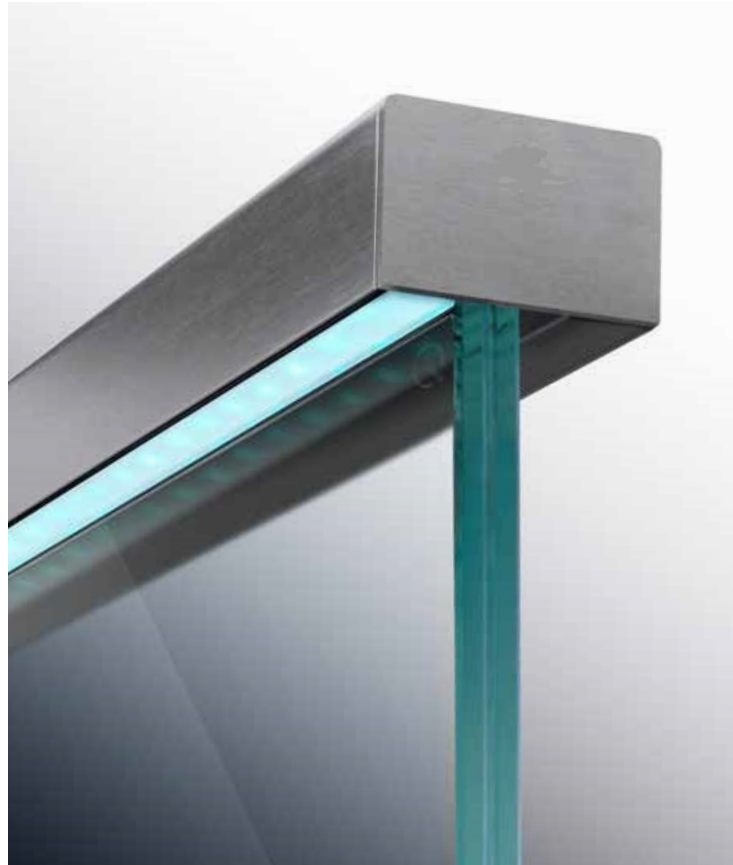
LED Strips are recessed into the underside of the handrail.

Installation

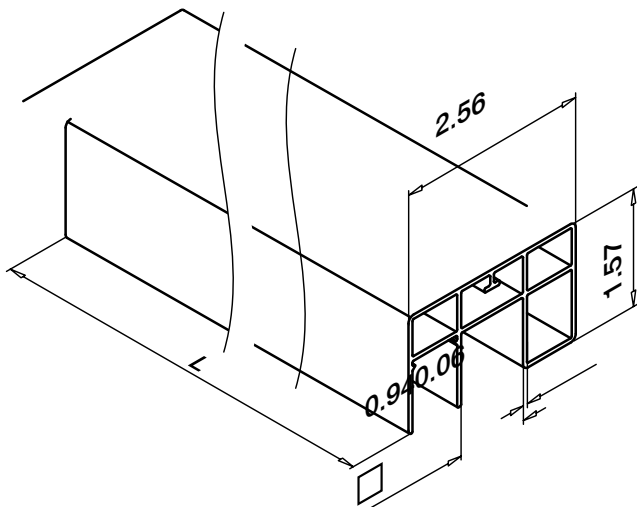
The Smartlights system is modular and designed for simple assembly and installation.

Certifications

UL, cULus, ANSI, ADA



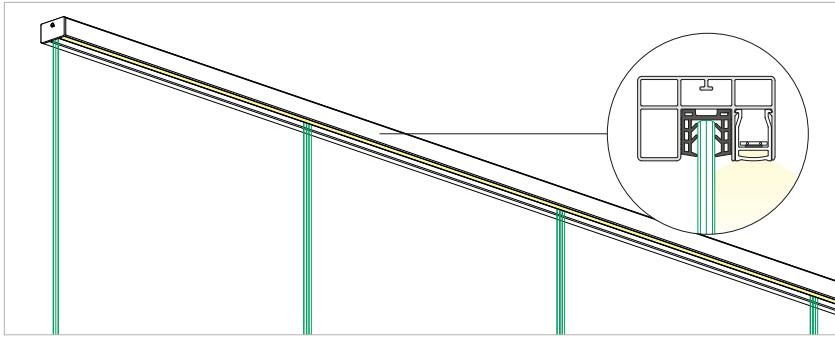
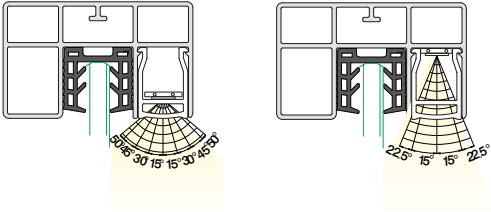
Profiles



The Smart Lighting Co.
1731 Kaiser Avenue
Irvine, CA 92614
949-346-3456

Modular Railing Systems

Rectangular Light output options



FEATURES

- Glass mounted Aluminum cap rail
- Continuous LED stream
- Handrail strips can be set in front of or behind the glass
- Transparent or frosted plastic lenses
- Modular system
- Easy installation
- Vandal resistant



Modular Railing Systems

CREATE YOUR PART NUMBER HERE

Model		Rail Type		Mounting		Color Temp.		Wattage		Voltage		Lens	
IR	Illuminated Rail	R	2.56" x 1.57" Rectangle Cap Rail	GL	Glass (provided by others)	27k	2700k	1.4	1.4w/ft	24	24vdc	F	Frosted Lens
						30k	3000k	2.4	2.4w/ft			C	Clear Lens
						35k	3500k	4.6	4.6w/ft				
						40k	4000k						

++ Other color temperature available including RGBW, please contact factory.

RAIL LENGTHS SECTIONS BELOW

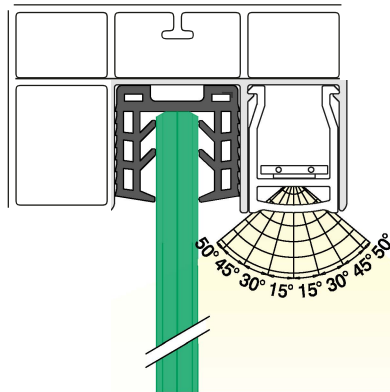
Rail Length 1	Rail Length2	Rail Length 3	Rail Length 4	Rail Length 5	Rail Length 6	Rail Length 7	Rail Length 7	Rail Length 8	Rail Length 9

Provide overall length of each handrail section.



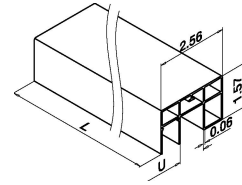
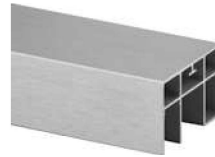
Handrails

Cap rails for SMART-lights Linear Light (LED)



All dimension drawings are in inches

Rectangular



Aluminum
OUTDOOR
S1669266545018

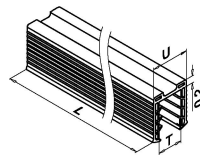
Brushed, anodized
U
15/16"
(24 mm)

2.56x1.57
(65 x 40 mm)

L = 16.4'
(5000 mm)

Handrails

Rubber inlays



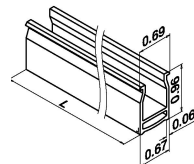
Accessories
U = 15/16" (24 mm)

Monolithic	T (glass thickness)	
S20512405008	5/16" - 3/8" (8 - 10 mm)	L = 16.4' (5000 mm)
S20512405011	1/2" (12 mm)	L = 16.4' (5000 mm)
S20512405015	5/8" (15 mm)	L = 16.4' (5000 mm)
S20512405019	3/4" (19 mm)	L = 16.4' (5000 mm)

Laminated	T (glass thickness)	
S20512405008	5/16" - 3/8" (8.76 - 10.76 mm)	L = 16.4' (5000 mm)
S20512405011	7/16" - 9/16" (11.52 - 13.52 mm)	L = 16.4' (5000 mm)
S20512405017	5/8" - 11/16" (16.76 - 17.52 mm)	L = 16.4' (5000 mm)
S20512405022	13/16" - 27/32" (20.76 - 21.52 mm)	L = 16.4' (5000 mm)

Handrails

LED strip cover profiles

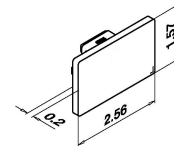


Transparency	
S15509102503 Clear	L = 8.2' (2500 mm)
S15509102506 Frosted	L = 8.2' (2500 mm)

Handrails

End caps

Rectangular



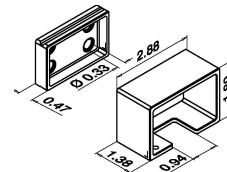
Aluminum
OUTDOOR
S16673465418

Brushed, anodized
 2.56x1.57 (65 x 40 mm)

Handrails

Wall flanges

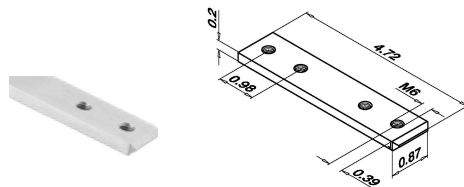
Rectangular



MOD 6545
Aluminum
OUTDOOR
S16654565418

Brushed, anodized
 2.56x1.57
(65 x 40 mm)

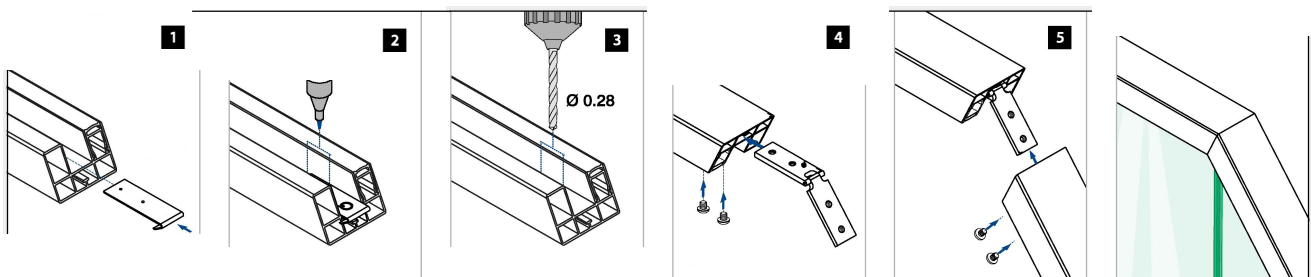
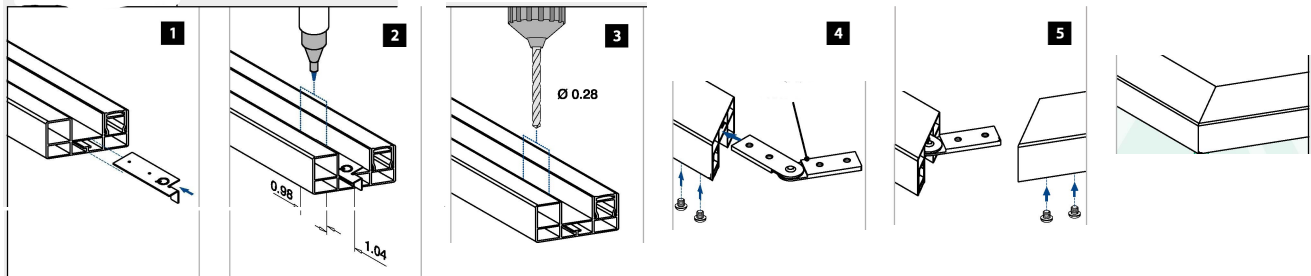
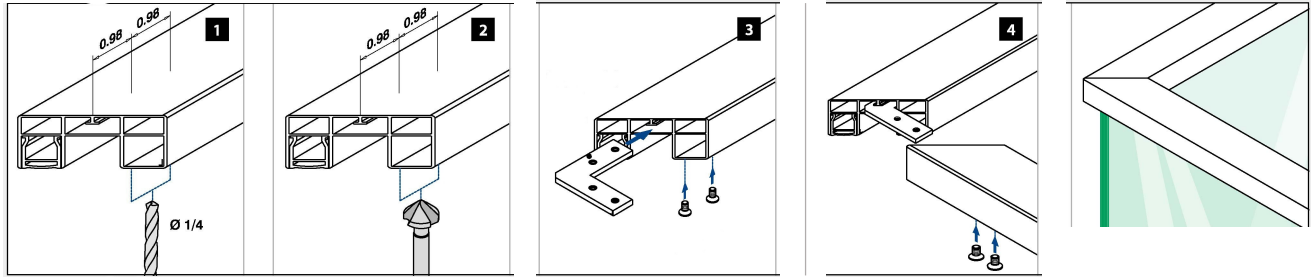
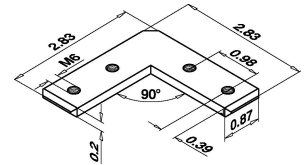
Connectors



Mill finish



Mill finish



UPWARDS

Cut	45°	40°	35°	30°	25°	20°	15°	10°	5°	0°
Outer angle	90°	100°	110°	120°	130°	140°	150°	160°	170°	180°
Distance to edge (x)	1.20	1.18	1.16	1.14	1.12	1.10	1.08	1.06	1.06	1.04

DOWNWARDS

Cut	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°
Inner angle	180°	170°	160°	150°	140°	130°	120°	110°	100°	90°
Distance to edge (x)	1.04	1.04	1.02	1.02	1.00	1.00	0.98	0.96	0.96	0.94

