

THE ROCKS

LED HANDRAIL LIGHTING SYSTEM



THE ROCKS LED LINEAR HANDRAIL LIGHT

LUMINAIRE:

- Anodized aluminum body resistant to weathering
- Different lengths, size, and power are available
- Different front cover design for round or square tube
- Electrically neutral thermal path to ensure performance
- Complies with standards EN60598 and pertinent regulations

OPTICAL SYSTEM:

- PMMA milky white diffuser with soft light output for visual comfort
- Symmetrical or elliptical light distribution

LIGHT COLOR MANAGEMENT:

- Single color or tunable white LEDs available

INSTALLATION

- Recessed mounted into handrail tube or others

APPLICATIONS

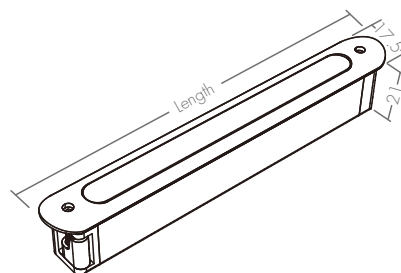
- widely used in modern architecture for staircases, walkways, and other spaces, providing safety and an elegant aesthetic



Model No.: 18S18R | 0.5W/1.5W/2.5W/3.5W | LED Linear Handrail Light



Units:mm

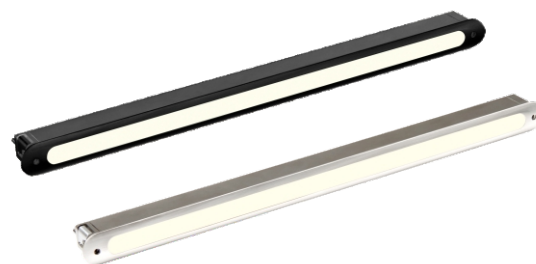


Technical Specifications

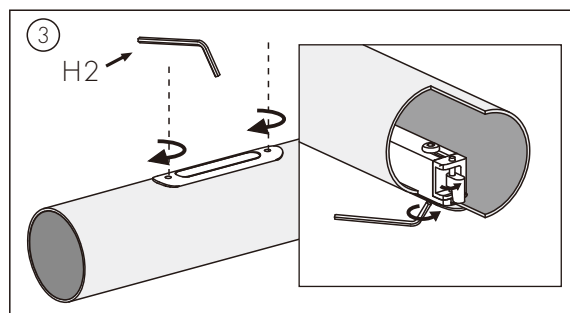
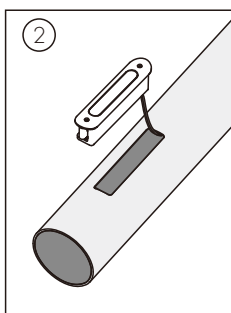
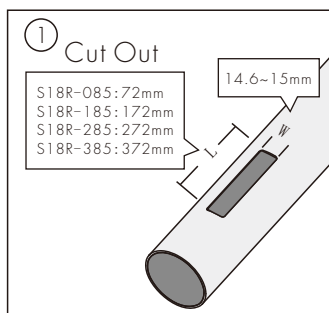
Item Number	Length (mm)	Cut Out (mm)	Light Color or CCT (K)	Light Source	Beam Angle (°)	Input Voltage (V)	Typical Power (W)±3%	Typical Luminance (lm)	IP Rate
18S18R-85	85mm	L:72mm W: 14.6~15mm	Single	8pcs 2835 SMD LED	120°	24VDC	0.5W	Cool white=41 Warm white=35	IP65
18S18R-185	185mm	L:172mm W: 14.6~15mm	Single	20pcs 2835 SMD LED	120°	24VDC	1.5W	Cool white=123 Warm white=105	IP65
18S18R-285	285mm	L:272mm W: 14.6~15mm	Single	30pcs 2835 SMD LED	120°	24VDC	2.5W	Cool white=206 Warm white=175	IP65
18S18R-385	385mm	L:372mm W: 14.6~15mm	Single	40pcs 2835 SMD LED	120°	24VDC	3.5W	Cool white=290 Warm white=245	IP65

Material Specifications

Housing:	Anodized Silver or Black Aluminum & Stainless Steel
Light Window:	PMMA Milky white diffuser
LED:	SMD LED, Brands: Osram, Epistar and etc.
Application:	Suit for Standard Diameter Ø48-52mm Round Stainless Steel or Aluminum handrail with wall thickness 0.8-3mm
Operating Temperature:	-25°C~+45°C
Mounting Way:	Recessed mounted
Control Support:	ON/OFF, or dimming with remote dimming driver(Not included)



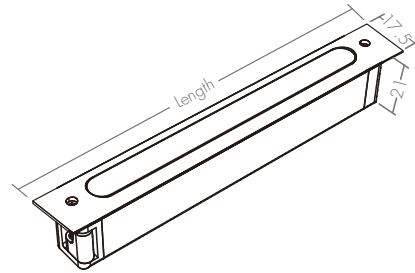
Installation



Note: Suit for Standard Diameter Ø48-52mm Round handrail with wall thickness 0.8-3mm

Model No.: 18S18S | 0.5W/1.5W/2.5W/3.5W | LED Linear Handrail Light

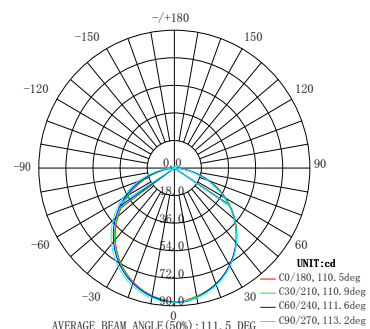
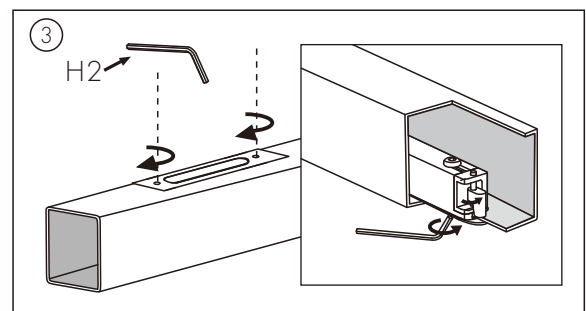
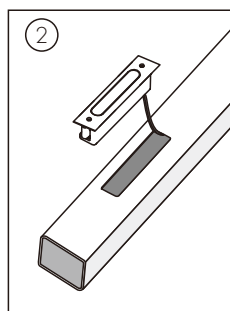
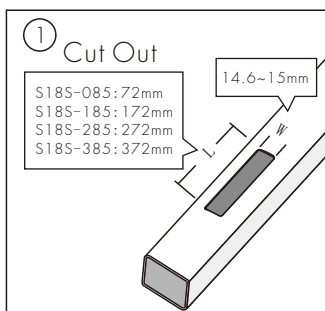
Units:mm

**Technical Specifications**

Item Number	Length (mm)	Cut Out (mm)	Light Color or CCT (K)	Light Source	Beam Angle (°)	Input Voltage (V)	Typical Power (W)±3%	Typical Luminance (LM)	IP Rate
18S18S-85	85mm	L:72mm W: 14.6~15mm	Single	8pcs 2835 SMD LED	120°	24VDC	0.5W	Cool white=41 Warm white=35	IP65
18S18R-185	185mm	L:172mm W: 14.6~15mm	Single	20pcs 2835 SMD LED	120°	24VDC	1.5W	Cool white=123 Warm white=105	IP65
18S18S-285	285mm	L:272mm W: 14.6~15mm	Single	30pcs 2835 SMD LED	120°	24VDC	2.5W	Cool white=206 Warm white=175	IP65
18S18S-385	385mm	L:372mm W: 14.6~15mm	Single	40pcs 2835 SMD LED	120°	24VDC	3.5W	Cool white=290 Warm white=245	IP65

Material Specifications

Housing:	Anodized Silver or Black Aluminum & Stainless Steel
Light Window:	PMMA Milky white diffuser
LED:	SMD LED, Brands: Osram, Epistar and etc.
Application:	Suit for W30×H30mm square handrail Stainless Steel or Aluminum handrail with wall thickness 0.8-3mm
Operating Temperature:	-25°C~+45°C
Mounting Way:	Recessed mounted
Control Support:	ON/OFF, or dimming with remote dimming driver(Not included)

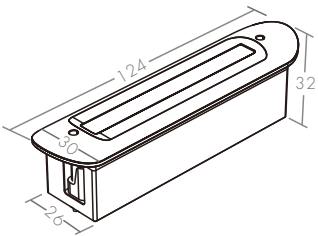
Effective Average Illuminance**Installation**

Note: Suit for Standard W30×H30mm square handrail with wall thickness 0.8-3mm

Model No.: 18S30R | 3W(Mono)/6W(Tunable White) | LED Linear Handrail Light



Units:mm



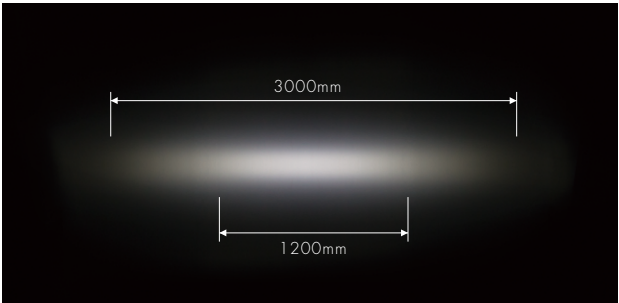
Technical Specifications

Item Number	Length (mm)	Cut Out (mm)	Control Mode	Light Color or CCT (K)	Light Source	Beam Angle (°)	Input Voltage (V)	Typical Power (W)±3%	Typical Luminance (LM)	IP Rate
18S30R-101	124mm	L:102mm W: 28mm	ON/OFF	Single	1pcs×2.5W DS134 LUXEON Z ES	10°×100°	24VDC	3W	Cool white=70 Warm white=69	IP65
18S30R-101-DMX	124mm	L:102mm W: 28mm	DMX512	Single	1pcs×2.5W Ds134 LUXEON Z ES	10°×100°	24VDC	3W	Cool white=70 Warm white=69	IP65
18S30R-202-DMX	124mm	L:102mm W: 28mm	DMX512	Tunable white (2700K+6500K)	2pcs×2.5W Ds134 LUXEON Z ES	10°×100°	24VDC	6W (3W each color)	Cool white=70 Warm white=69 (For Each color)	IP65

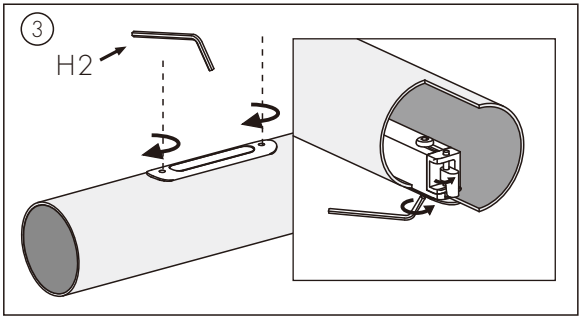
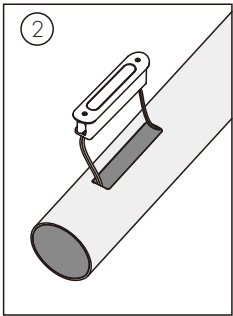
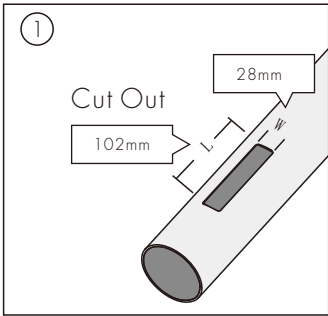
Notes: (1) CCT(K) of single color:2700K, 3000K, 4000K, 5000K, 6000K, 6500K; (2) CCT(K) of tunable white:2700K+6500K.

Material Specifications

- Housing: Anodized Silver or Black Aluminum &Stainless Steel
- Light Window: PMMA Milky white diffuser
- LED: Linear COB LED, Brands: LUXEON or others
- Application: Suit for Standard Diameter Ø48-52mm Round Stainless Steel or Aluminum handrail with wall thickness 0.8-3mm
- Operating Temperature: -25°C~+45°C
- Mounting Way: Recessed mounted
- Control Support: ON/OFF, DMX512, or dimming with dimming driver(Not included)



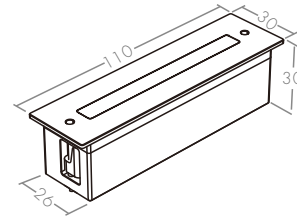
Installation



Note: Suit for Standard Diameter Ø48-52mm Round handrail with wall thickness 0.8-3mm



Units:mm



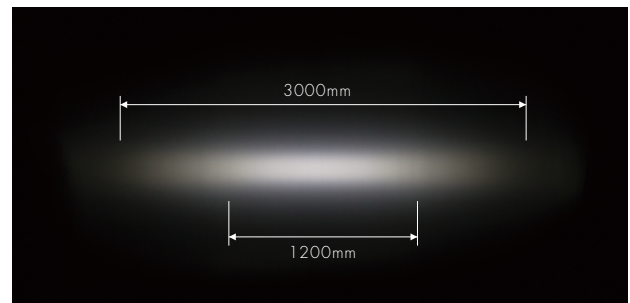
Technical Specifications

Item Number	Length (mm)	Cut Out (mm)	Control Mode	Light Color or CCT (K)	Light Source	Beam Angle (°)	Input Voltage (V)	Typical Power (W)±3%	Typical Luminance (LM)	IP Rate
18S30S-101	110mm	L:102mm W: 28mm	ON/OFF	Single	1pcs×2.5W DS134 LUXEON Z ES	10°×100°	24VDC	3W	Cool white=70 Warm white=69	IP65
18S30S-101-DMX	110mm	L:102mm W: 28mm	DMX512	Single	1pcs×2.5W Ds134 LUXEON Z ES	10°×100°	24VDC	3W	Cool white=70 Warm white=69	IP65
18S30S-202-DMX	110mm	L:102mm W: 28mm	DMX512	Tunable white (2700K+6500K)	2pcs×2.5W Ds134 LUXEON Z ES	10°×100°	24VDC	6W (3W each color)	Cool white=70 Warm white=69 (For Each color)	IP65

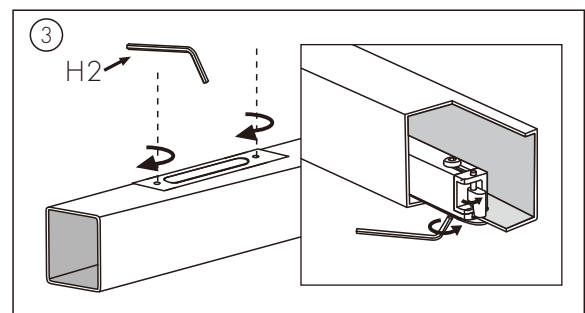
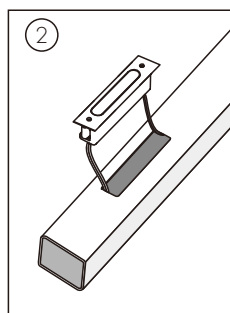
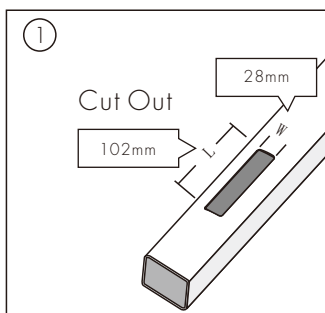
Notes: (1) CCT(K) of single color:2700K, 3000K, 4000K, 5000K, 6000K, 6500K; (2) CCT(K) of tunable white:2700K+6500K.

Material Specifications

Housing:	Anodized Silver or Black Aluminum &Stainless Steel
Light Window:	PMMA Milky white diffuser
LED:	Linear COB LED, Brands: LUXEON or others
Application:	Suit for Standard W50×H50mm square Stainless Steel or Aluminum handrail with wall thickness 0.8-3mm
Operating Temperature:	-25°C~+45°C
Mounting Way:	Recessed mounted
Control Support:	ON/OFF, DMX512, or dimming with dimming driver(Not included)



Installation

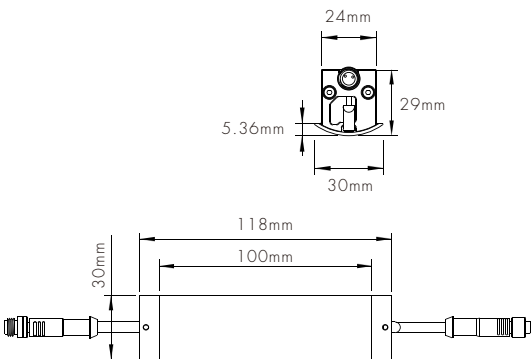
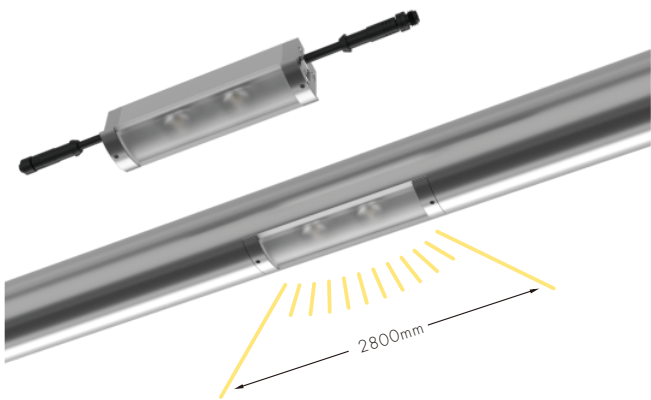


Note: Suit for Standard W50×H50mm square handrail with wall thickness 0.8-3mm

Model No.: 18S30118 | 5W Symmetrical or Asymmetrical LED Linear Handrail Light



Units:mm



Technical Specifications

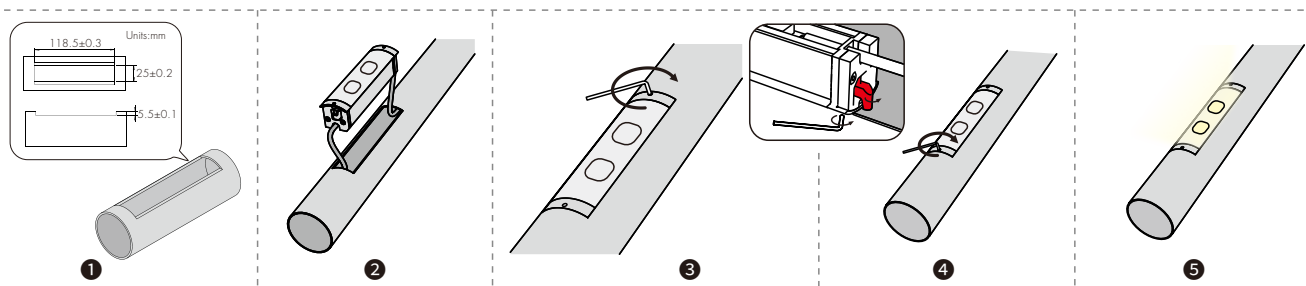
Item Number	Length (mm)	Cut Out (mm)	Control Mode	Light Color or CCT (K)	Light Source	Beam Angle (°)	Input Voltage (V)	Typical Power (W)±3%	Typical Luminance (LM)	IP Rate
18S30118-S-102	118mm	118.5×W 25mm	ON/OFF Single		2pcs×2.5W CREE SMD LED	90°×135° (Symmetrical)	24VDC	5W	Cool white=536 Warm white=466	IP67
18S30118-A-102	118mm	118.5×W 25mm	ON/OFF Single		2pcs×2.5W CREE SMD LED	65°×125° (Asymmetrical)	24VDC	5W	Cool white=530 Warm white=462	IP67

Note: CCT(K) of single color:2700K, 3000K, 4000K, 5000K, 6000K, 6500K;

Material Specifications

Housing:	Anodized Silver Aluminum Alloy
Light Window:	PMMA Frosted diffuser
LED:	CREE SMD LED
Application:	Suit for Standard Diameter Ø48-52mm Round Stainless Steel or Aluminum handrail with wall thickness 1mm~2mm
Operating Temperature:	-25°C~+45°C
Mounting Way:	Recessed mounted
Control Support:	ON/OFF

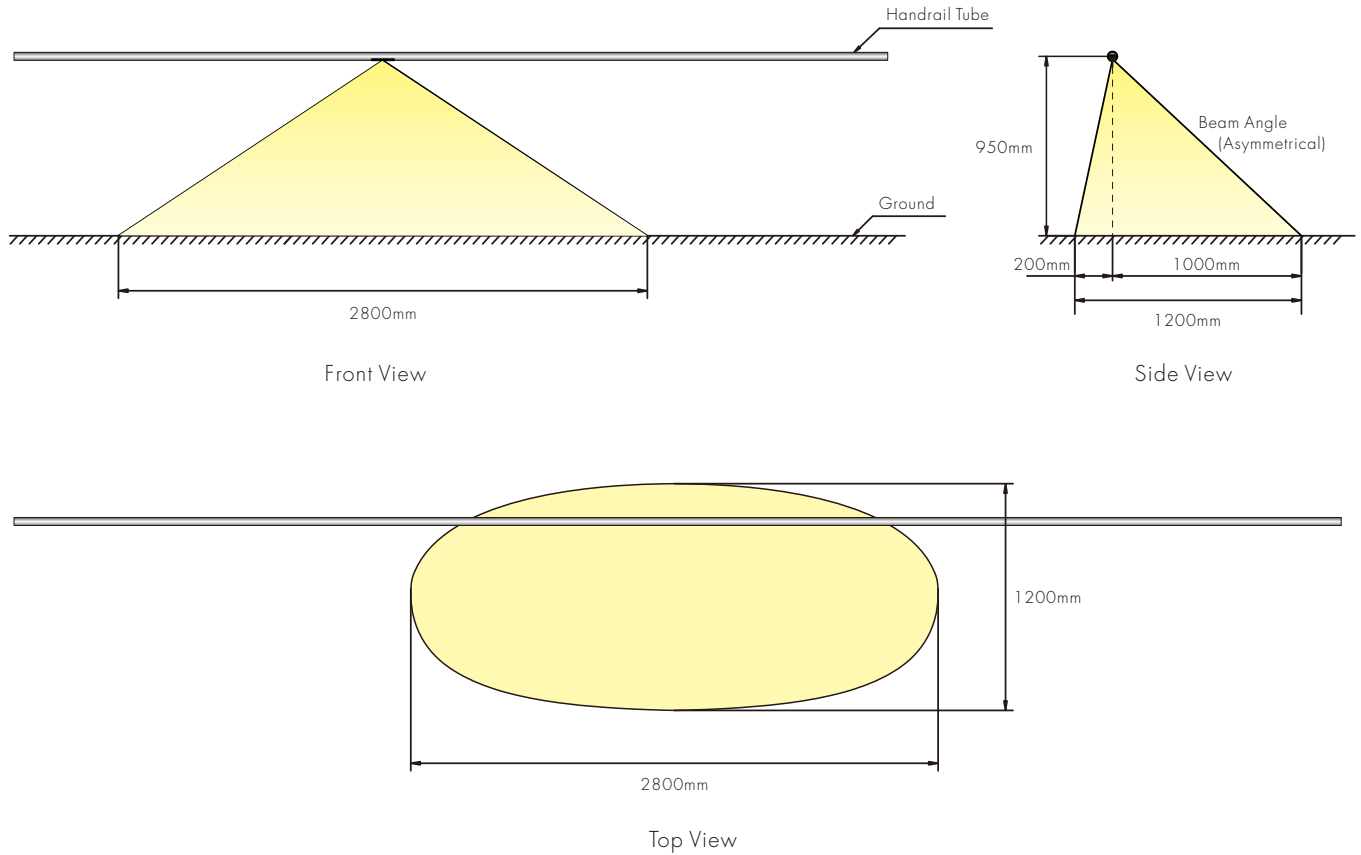
Installation



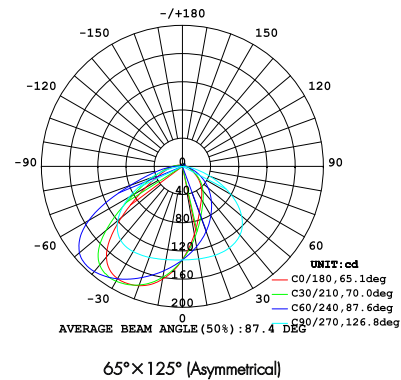
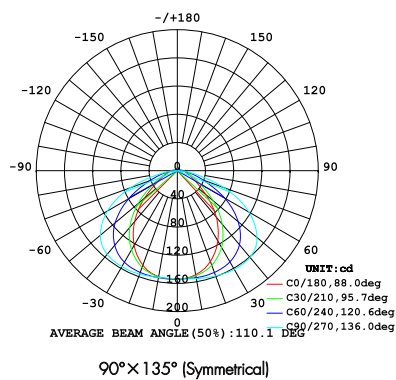
Model No.: 18S30118 | 5W Symmetrical or Asymmetrical LED Linear Handrail Light



Light Distribution Demo



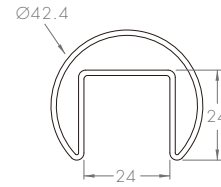
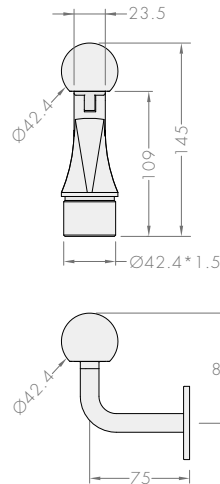
Light Distribution Curve





Model No.: 18HD42 | 15W | 316 Stainless Steel Handrail Light System

Units:mm

**Technical Specifications**

Item Number	Size (mm)	Materials	Light Color or CCT (K)	Light Source	Beam Angle (°)	Input Voltage (V)	Typical Power (W)±3%	Typical Luminance (LM)	IP Rate
18HD42	Ø42.4×L1000	SUS316 Stainless Steel, Aluminum, PC	2700K, 3000K, 4000K, 5000K, 6000K, 6500K	IP67 2835 LED Strip: 120LEDs/m, 15W/m	Symmetric 110°, Asymmetric 70°	24VDC (or 12VDC)	15W	Cool white=1130 Warm white=957	IP67

Notes: (1) The customized made length of stainless steel handrail tube or LED strip are available. (2) Too small quantity is NOT available, please inquire us separately.

Optional Product Parts:

Handrail 18HD42-A1
SUS 316 stainless steel handrail



PC Cover 18HD42-A2
PC Cover, Options:
Milky white symmetrical PC cover
Clear asymmetrical PC cover
Part No.:
Symmetric: 08HD42-A2-S
Asymmetric: 08HD42-A2-A



Linear Profile 18HD42-A3
Aluminum linear profile heat sink for heat conduction and heat dissipation, and fixing PC cover



End Cap 18HD42-A4
End cap for handrail
Made of SUS 316 stainless steel



Mounting Holder 18HD42-A5
L-Type Wall mounting holder Made of SUS 316 stainless steel



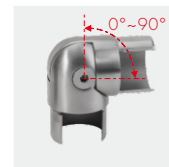
Standing Holder 18HD42-A6
Mounting standing holder
Made of SUS 316 stainless steel



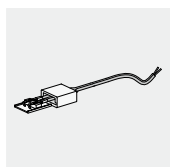
Straight Connector 18HD42-A7
Straight Connector
Made of SUS 316 stainless steel



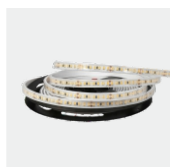
Corner Connector 18HD42-A8
L-Type Corner Connector
Made of SUS 316 stainless steel



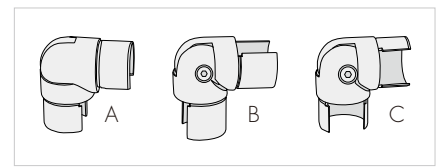
Turning Connector 18HD42-A9
Turning Connector
0°~90° Adjustable
Made of SUS 316 stainless steel
*Please view variants for options below: ↓

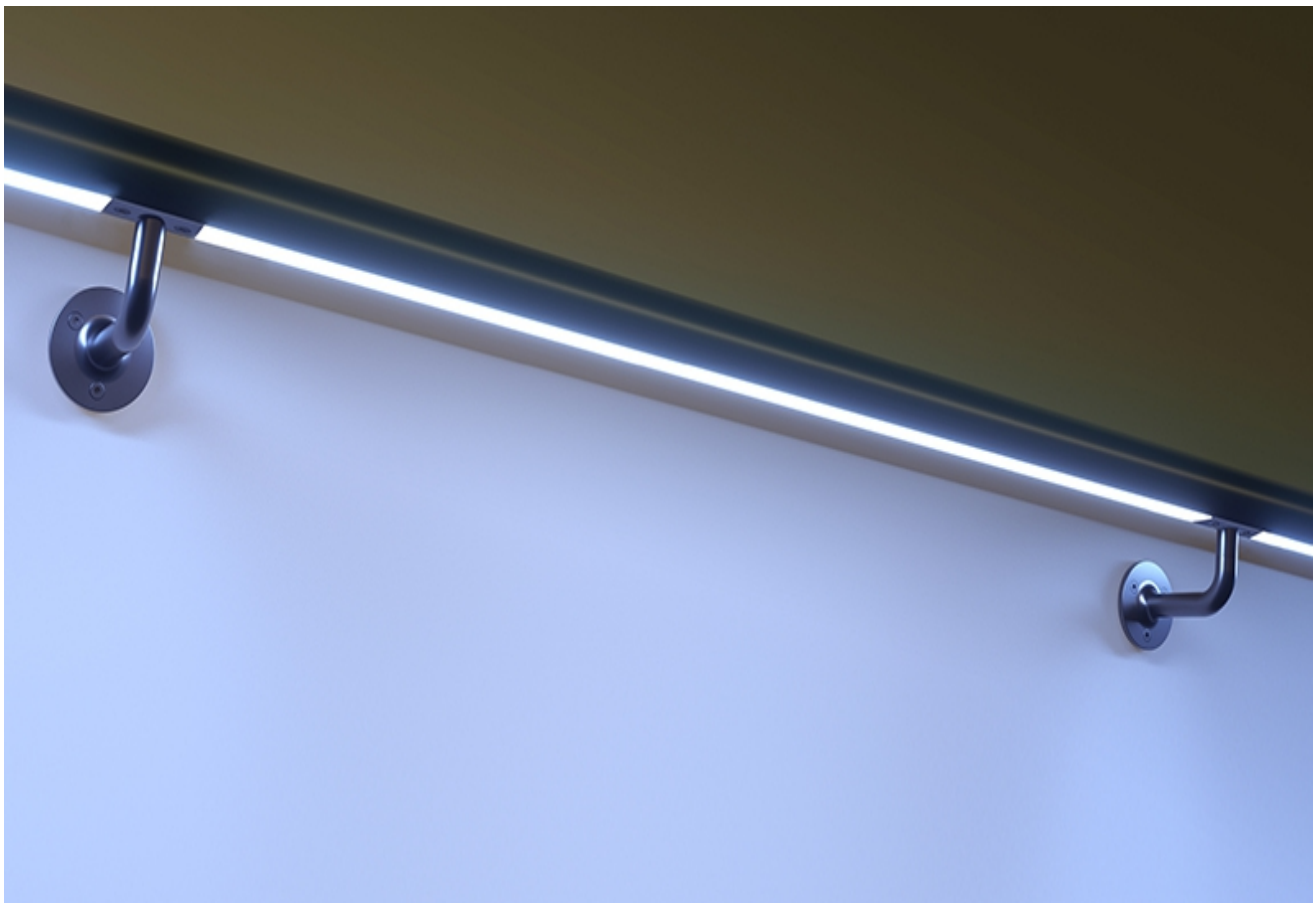
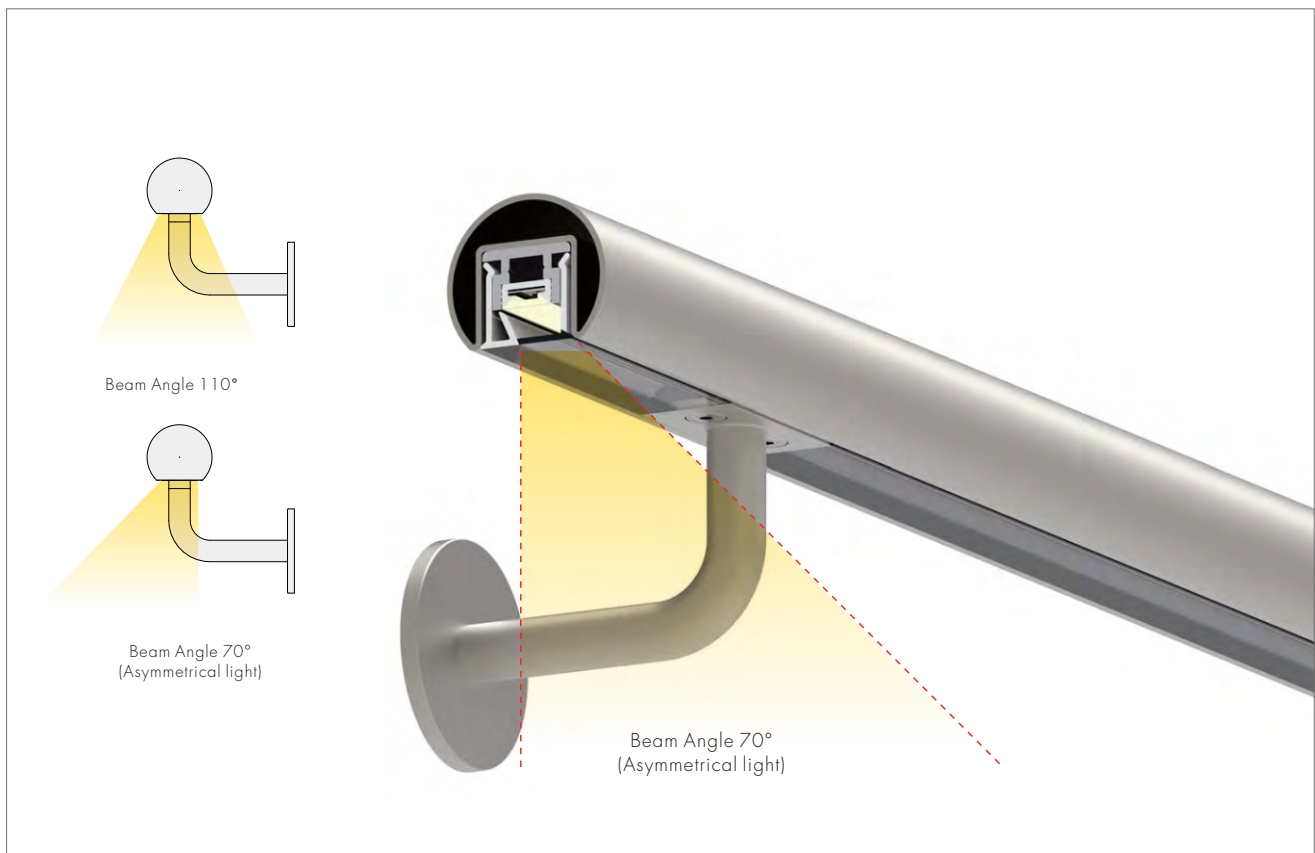


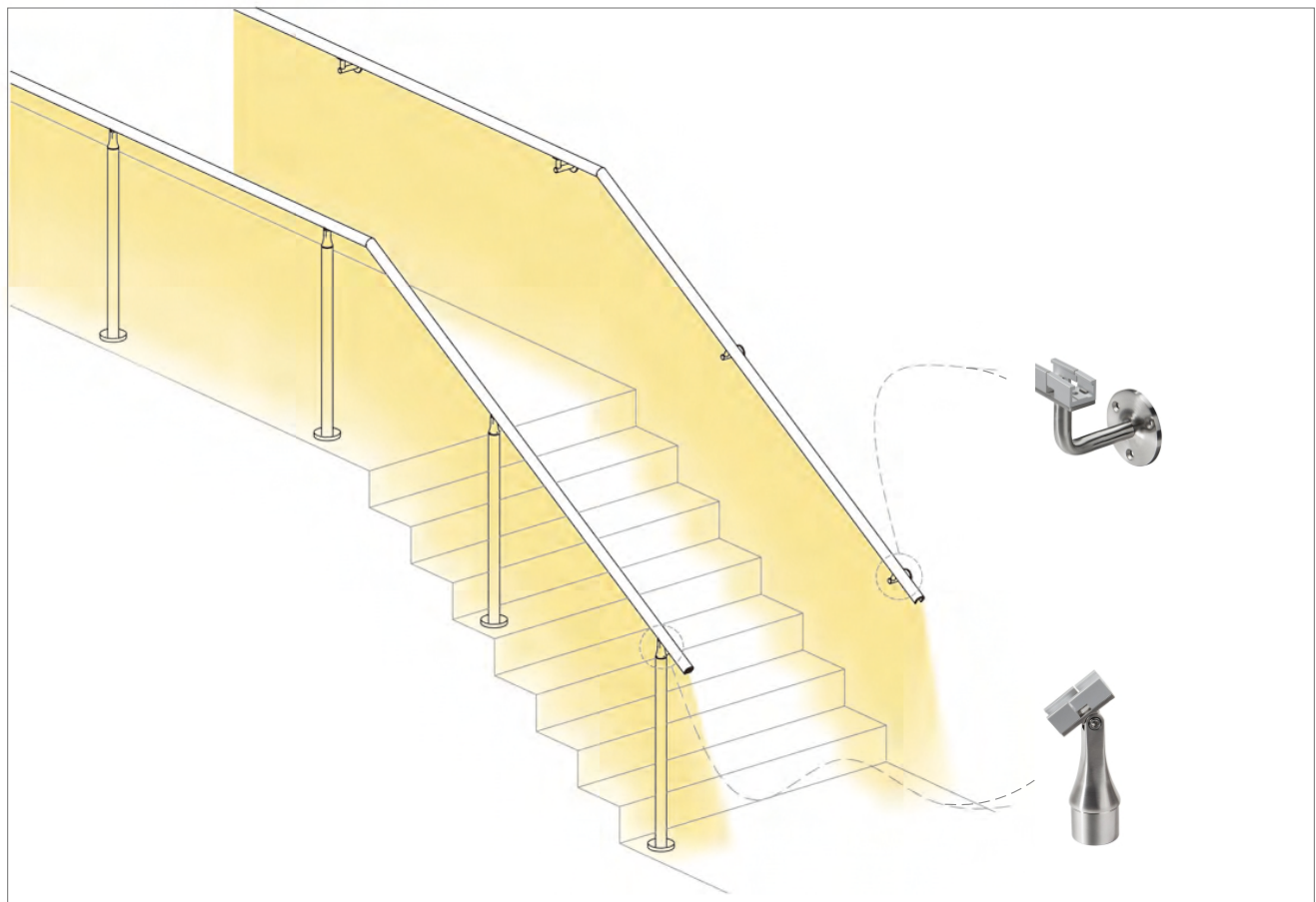
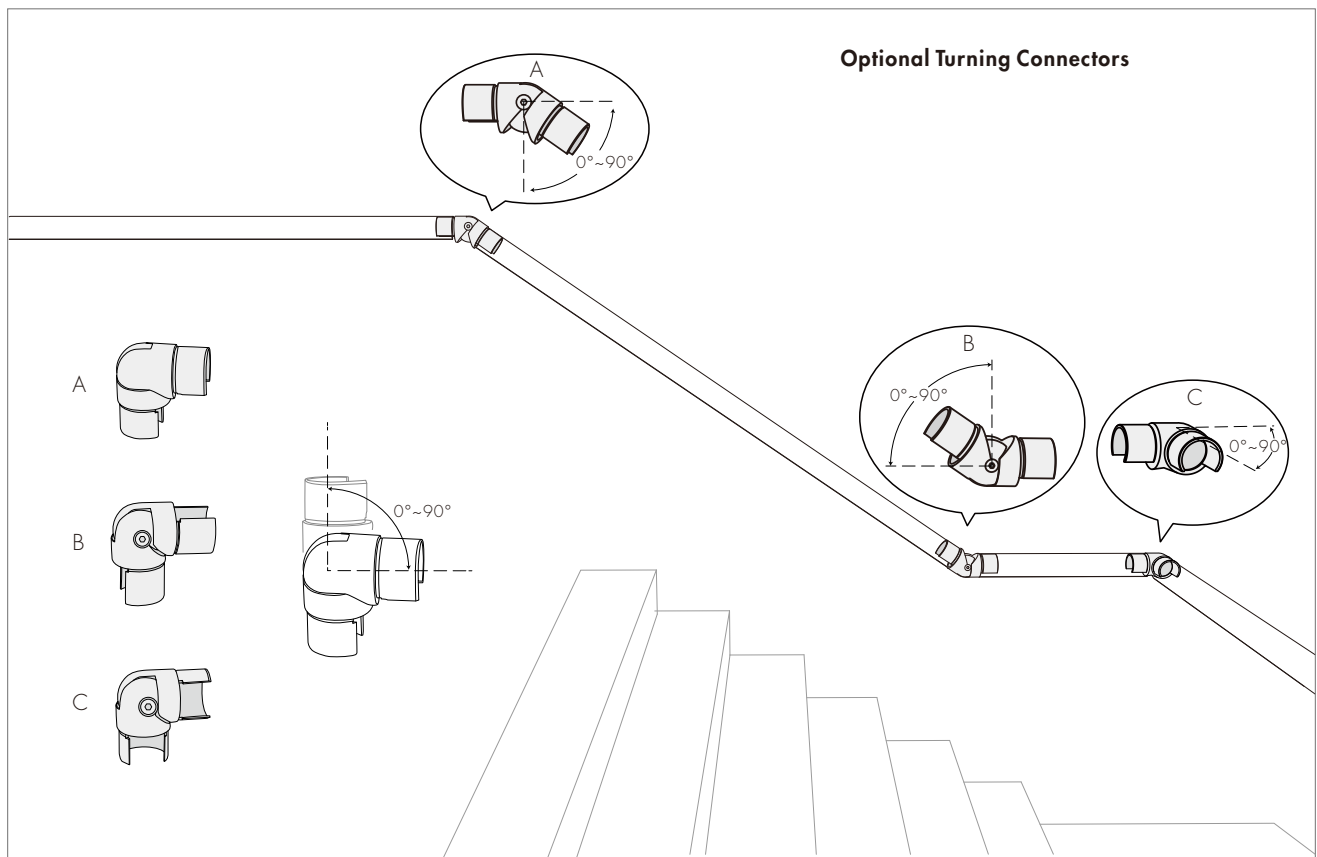
Power Connector 18HD42-A10
Power connector
Used for connecting flexible LED strip with power supply



Flexible LED Strip 18HD42-A11
Flexible LED Strip sealed in silicone tube, IP67 waterproof, 12VDC or 24VDC input voltage, 120pcs 2835 SMD LED per meter, 15W/meter, 1500~2000lm/m, CRI80+
(Part No.: LTC-FR2835XX120-P4)















LED HANDRAIL SPOTLIGHT

LUMINAIRE:

- 316 Stainless steel or anodized aluminum body
- Different size, and power are available
- Different front cover design for round or square tube
- DMX512 version available for some models
- Electrically neutral thermal path to ensure performance
- Complies with standards EN60598 and pertinent regulations

OPTICAL SYSTEM:

- PMMA light window
- Symmetrical or asymmetrical light distribution for options

LIGHT COLOR MANAGEMENT:

- Single color or RGB white LEDs available

INSTALLATION

- Recessed mounted into handrail tube or others

APPLICATIONS

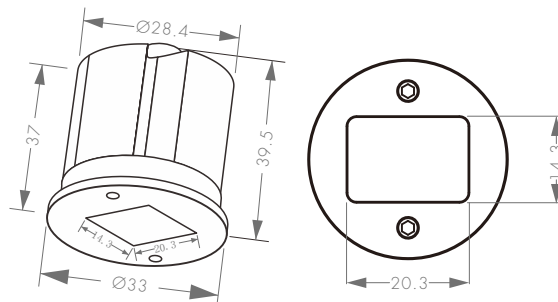
- widely used in modern architecture for staircases, walkways, and other spaces, providing safety and an elegant aesthetic



Model No.: 18S29 | 1.5W | Flat Cover LED Handrail Spotlight



Units:mm



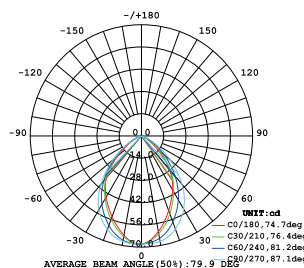
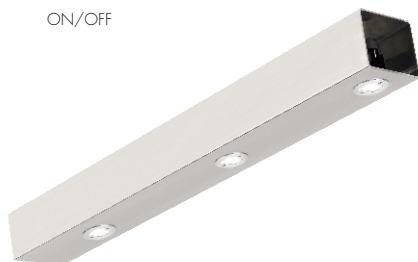
Technical Specifications

Item Number	Dimension (mm)	Cut Out (mm)	Control Mode	Light Color or CCT (K)	Light Source	Beam Angle (°)	Input Voltage (V)	Typical Power (W)±3%	Typical Luminance (LM)	IP Rate
18S29-S-101	Ø33xH39.5	Ø30	ON/OFF	Single	1pcs×1.5W CREE LED	Symmetrical 80°	24VDC	1.5W	Cool white=110 Warm white=91	IP67
18S29-A-101	Ø33xH39.5	Ø30	ON/OFF	Single	1pcs×1.5W CREE LED	Asymmetrical 65°	24VDC	1.5W	Cool white=110 Warm white=91	IP67

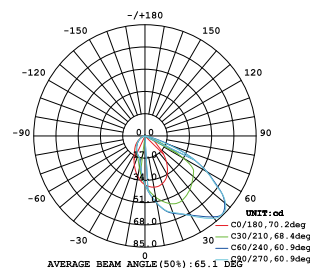
Note: CCT(K) of single color:2700K, 3000K, 4000K, 5000K, 6000K, 6500K.

Material Specifications

Housing:	Anodized Silver or Black Aluminum & Stainless Steel
Light Window:	Clear PMMA diffuser
LED:	High Power LED, Brands: CREE, OSRAM or others
Application:	Suit for Standard $\geq 50 \times 50$ mm Square Stainless Steel or Aluminum handrail with wall thickness 0.8-3mm
Operating Temperature:	-25°C~+45°C
Mounting Way:	Recessed mounted
Control Support:	ON/OFF

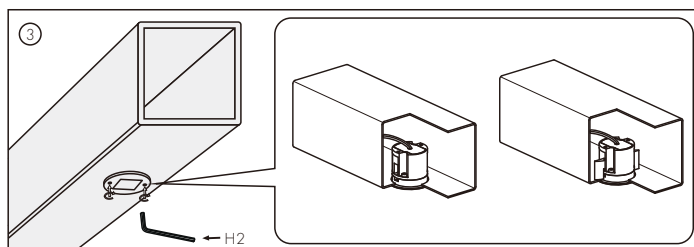
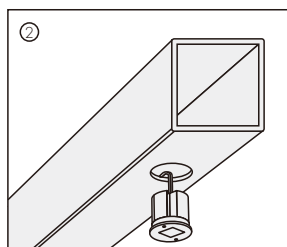
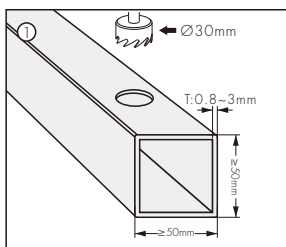


Symmetrical 80°



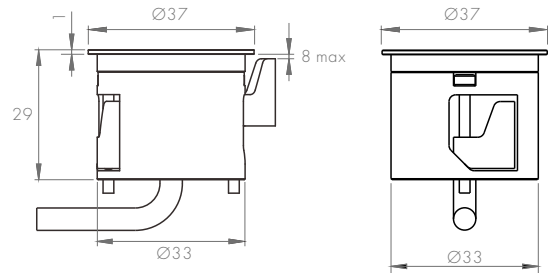
Asymmetrical 65°

Installation

Note: Suit for Standard $\geq W50 \times H50$ mm square handrail with wall thickness 0.8-3mm

Model No.: 18S33 | 1.5W(Mono) / 2W(RGB) | Asymmetrical Flat LED Handrail Spotlight

Units:mm

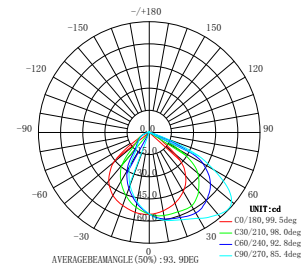
**Technical Specifications**

Item Number	Dimension (mm)	Cut Out (mm)	Control Mode	Light Color or CCT (K)	Light Source	Beam Angle (°)	Input Voltage (V)	Typical Power (W)±3%	Typical Luminance (lm)	IP Rate
18S33-101	Ø37×H29	Ø35	ON/OFF	Single	1pcs×1.5W CREE LED	Asymmetrical 90°	24VDC	1.5W	Cool white=115 Warm white=93	IP67
18S33-301-DMX	Ø37×H29	Ø35	DMX512	RGB 3-in-1 Full color	1pcs×2W Prolight LED	Asymmetrical 90°	24VDC	2W	40	IP67

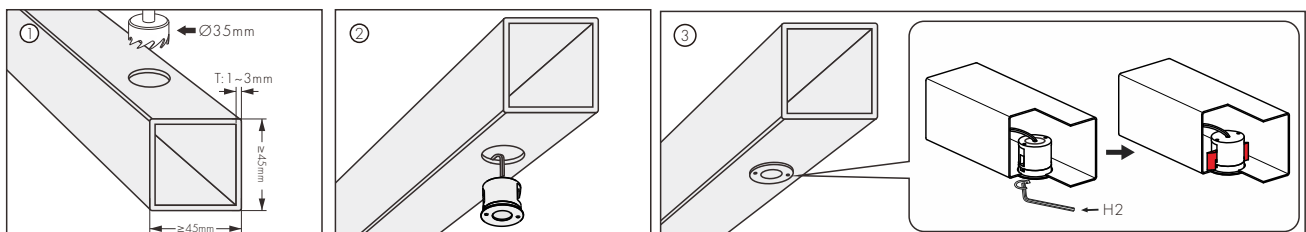
Note: CCT(K) of single color:2700K, 3000K, 4000K, 5000K, 6000K, 6500K.

Material Specifications

Housing:	SUS 316 Stainless Steel
Light Window:	Clear PMMA diffuser
LED:	High Power LED, Brands: CREE, OSRAM, Prolight or others
Application:	Suit for Standard $\geq 45 \times 45$ mm Square Stainless Steel or Aluminum handrail with wall thickness 1~3mm
Operating Temperature:	-25°C~+45°C
Mounting Way:	Recessed mounted
Control Support:	ON/OFF



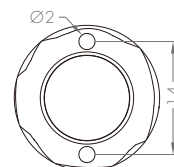
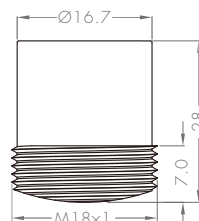
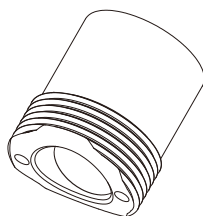
Asymmetrical 90°

**Installation**Note: Suit for Standard $\geq 45 \times 45$ mm square handrail with wall thickness 1~3mm

Model No.: 18M18 | 1W / 1.2W | M18 LED Handrail Spotlight



Units:mm



Technical Specifications

Item Number	Dimension (mm)	Cut Out (mm)	Control Mode	Light Color or CCT (K)	Light Source	Beam Angle (°)	Input	Typical Power (W)±3%	Typical Luminance (LM)	IP Rate
18M18-S-101-CC	Ø18xH20	M18x1	ON/OFF, Dimming	Single	1pcs×1W CREE LED	Symmetrical 30°, 60°	3VDC, Constant current 350mA	1W	Cool white=86 Warm white=73	IP67
18M18-A-101-CC	Ø18xH26	M18x1	ON/OFF, Dimming	Single	1pcs×1W CREE LED	Asymmetrical 50°	3VDC, Constant current 350mA	1W	Cool white=86 Warm white=73	IP67
18M18-S-101-DC	Ø18xH26	M18x1	ON/OFF	Single	1pcs×1.5W CREE LED	Symmetrical 30°, 60°	24VDC	1.2W	Cool white=103 Warm white=87	IP67
18M18-A-101-DC	Ø18xH30	M18x1	ON/OFF	Single	1pcs×1.5W CREE LED	Asymmetrical 50°	24VDC	1.2W	Cool white=103 Warm white=87	IP67

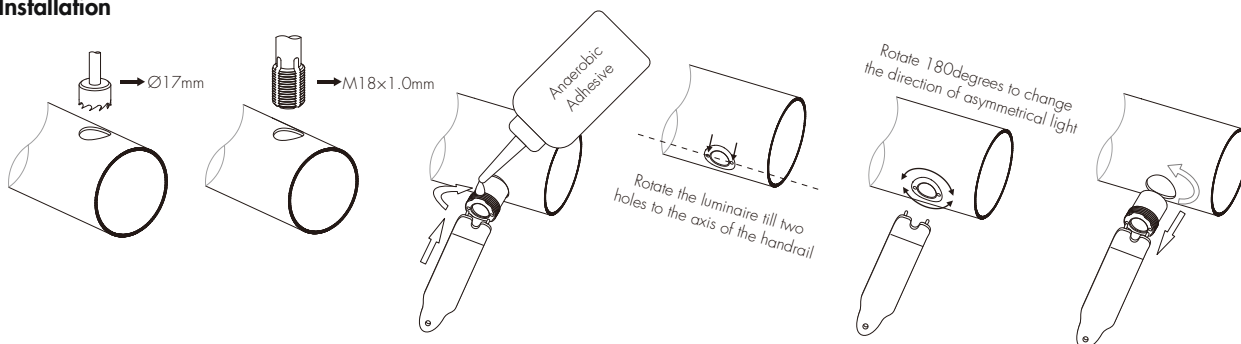
Note: CCT(K) of single color:2700K, 3000K, 4000K, 5000K, 6000K, 6500K.

Material Specifications

Housing:	SUS 316 Stainless Steel or Anodized Aluminum Alloy
Light Window:	Clear PMMA diffuser
LED:	High Power LED, Brands: CREE, OSRAM or others
Application:	Suit for Ø38~100mm round shaped Stainless Steel or Aluminum handrail with wall thickness ≥1.5mm and Cut out hole M18
Operating Temperature:	-25°C~+45°C
Mounting Way:	Recessed mounted
Control Support:	ON/OFF, or

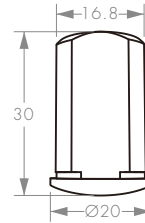


Installation

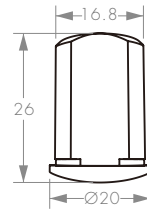


Model No.: 18M20 | 1.2W / 1.5W | M20 LED Handrail Spotlight

Units:mm



Asymmetrical Beam



Symmetrical Beam

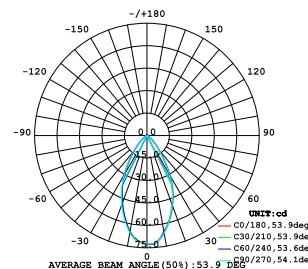
Technical Specifications

Item Number	Dimension (mm)	Cut Out (mm)	Control Mode	Light Color or CCT (K)	Light Source	Beam Angle (°)	Input	Typical Power (W)±3%	Typical Luminance (LM)	IP Rate
18M20-S-101-CC	Ø20xH26	M20	ON/OFF, dimming	Single	1 pcs×1.5W CREE LED	Symmetrical 30°, 55°	3VDC, Constant current 500mA	1.5W	Cool white=102 Warm white=87	IP67
18M20-A-101-CC	Ø20xH30	M20	ON/OFF, Dimming	Single	1 pcs×1.5W CREE LED	Asymmetrical 55°	3VDC, Constant current 500mA	1.5W	Cool white=124 Warm white=105	IP67
18M20-S-101-DC	Ø20xH26	M20	ON/OFF	Single	1 pcs×1.5W CREE LED	Symmetrical 30°, 55°	24VDC	1.2W	Cool white=82 Warm white=70	IP67
18M20-A-101-DC	Ø20xH30	M20	ON/OFF	Single	1 pcs×1.5W CREE LED	Asymmetrical 55°	24VDC	1.2W	Cool white=93 Warm white=79	IP67

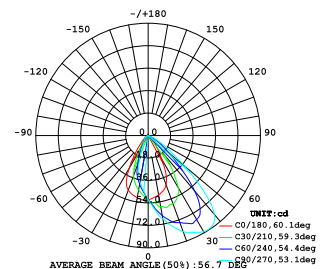
Note: CCT(K) of single color:2700K, 3000K, 4000K, 5000K, 6000K, 6500K.

Material Specifications

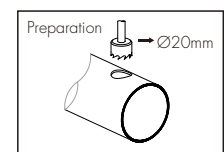
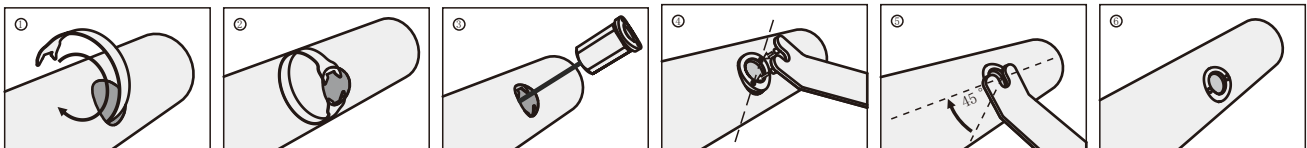
Housing:	SUS 316 Stainless Steel
Light Window:	Clear PMMA diffuser
LED:	High Power LED, Brands: CREE, OSRAM or others
Application:	Suit for Standard Ø42.4mm handrail with wall thickness 2mm for a cut out Ø20mm hole
Operating Temperature:	-25°C~+45°C
Mounting Way:	Recessed mounted
Control Support:	ON/OFF, or Dimming with Remote Dimming Driver (not included)



Symmetrical 55°



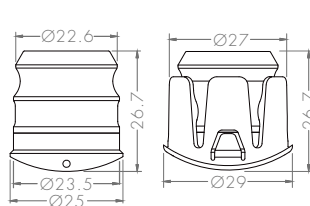
Asymmetrical 55°

**Installation**

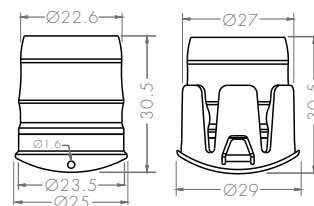
Model No.: 18M25 | 1.5W / 2W | M25 LED Handrail Spotlight



Units:mm



Asymmetrical



Symmetrical

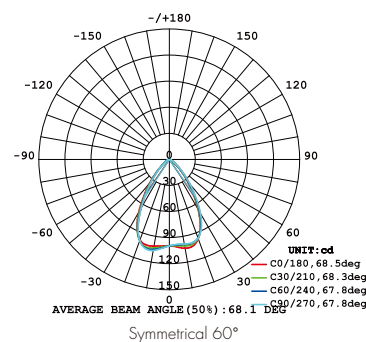
Technical Specifications

Item Number	Dimension (mm)	Cut Out (mm)	Control Mode	Light Color or CCT (K)	Light Source	Beam Angle (°)	Input	Typical Power (W)±3%	Typical Luminance (LM)	IP Rate
18M25-S-101-CC Ø29xH30.5 Ø27			ON/OFF, Dimming	Single	1 pcs X 1.5W CREE LED	Symmetrical 60°	3VDC, Constant current 500mA	1.5W	Cool white=128 Warm white=106	IP67
18M25-A-101-CC Ø29xH26.7 Ø27			ON/OFF, Dimming	Single	1 pcs X 1.5W CREE LED	Asymmetrical 80°	3VDC, Constant current 500mA	1.5W	Cool white=128 Warm white=106	IP67
18M25-S-101-DC Ø29xH30.5 Ø27 ON/OFF Single					1 pcs X 1.5W CREE LED	Symmetrical 60°	24VDC	1.5W	Cool white=128 Warm white=106	IP67
18M25-A-101-DC Ø29xH26.7 Ø27 ON/OFF Single					1 pcs X 1.5W CREE LED	Asymmetrical 80°	24VDC	1.5W	Cool white=128 Warm white=106	IP67
18M25-S-301-DMX Ø29xH30.5 Ø27			DMX512	RGB 3-in-1 Full Color	1 pcs X 2W Prolight RGB 3-in-1 LED	Symmetrical 60°	24VDC	2W	40	IP67
18M25-A-101-DC Ø29xH26.7 Ø27			DMX512	RGB 3-in-1 Full Color	1 pcs X 2W Prolight RGB 3-in-1 LED	Asymmetrical 80°	24VDC	2W	40	IP67

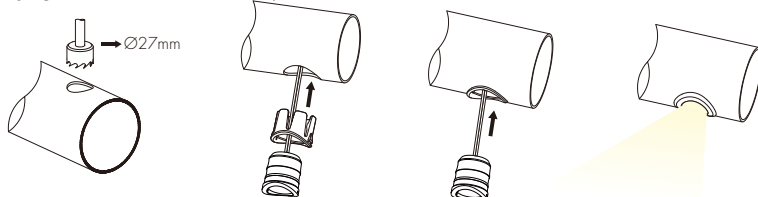
Notes: (1) CCT(K) of single color:2700K, 3000K, 4000K, 5000K, 6000K, 6500K. (2) DMX version is also available in white color 1.5W.

Material Specifications

Housing:	SUS 316 Stainless Steel
Light Window:	Clear PMMA diffuser
LED:	High Power LED, Brands: CREE, OSRAM or others
Application:	Suit for Ø48~63mm round shaped Stainless Steel or Aluminum handrail with wall thickness 1mm~1.5mm and Ø27mm Cut out hole
Operating Temperature:	-25°C~+45°C
Mounting Accessory:	Plastic grommet (included)
Mounting Way:	Recessed mounted
Control Support:	ON/OFF, or constant current version can be dimming with Remote Dimming Driver (not included)



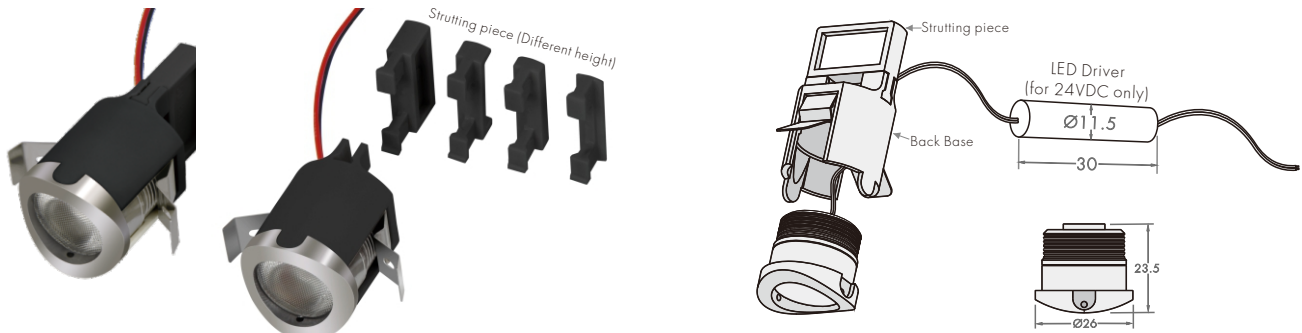
Installation



Model No.: 18M26 | 1.5W | Snap Type LED Handrail Spotlight



Units:mm



Technical Specifications

Item Number	Dimension (mm)	Cut Out (mm)	Control Mode	Light Color or CCT (K)	Light Source	Beam Angle (°)	Input	Typical Power (W)±3%	Typical Luminance (lm)	IP Rate
18M26-S-101-CC	Ø26xH23.5	Ø26	ON/OFF, Dimming	Single	1 pcs × 1.5W CREE LED	Symmetrical 60°	3VDC, Constant current 500mA	1.5W	Cool white=143 Warm white=120	IP67
18M26-A-101-CC	Ø26xH23.5	Ø26	ON/OFF, Dimming	Single	1 pcs × 1.5W CREE LED	Asymmetrical 80°	3VDC, Constant current 500mA	1.5W	Cool white=143 Warm white=120	IP67
18M26-S-101-DC	Ø26xH23.5	Ø26	ON/OFF	Single	1 pcs × 1.5W CREE LED	Symmetrical 60°	24VDC	1.5W	Cool white=143 Warm white=120	IP67
18M26-A-101-DC	Ø26xH23.5	Ø26	ON/OFF	Single	1 pcs × 1.5W CREE LED	Asymmetrical 80°	24VDC	1.5W	Cool white=143 Warm white=120	IP67

Note: CCT(K) of single color:2700K, 3000K, 4000K, 5000K, 6000K, 6500K.

Material Specifications

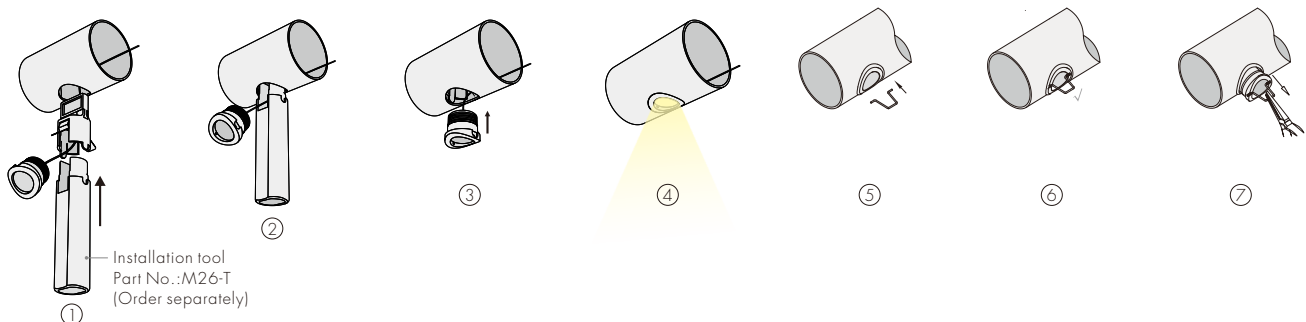
Housing:	SUS 316 Stainless Steel
Light Window:	Clear PMMA diffuser
LED:	High Power LED, Brands: CREE, OSRAM or others
Application:	Suit for Ø38.0/Ø42.2/Ø48.3mm round shaped handrail with wall thickness 1.8mm~3.68mm and Ø26mm Cut out hole
Operating Temperature:	-25°C~+45°C
Mounting Accessory:	Black Plastic Back Base and Strutting Piece (included)
Mounting Way:	Snap Recessed mounted
Control Support:	ON/OFF, or Dimming with Remote Dimming Driver (not included)

Suitable for below handrail tubes

Outer Diameter (A)	Ø38mm	Ø42.2mm	Ø42.2mm	Ø48.3mm
Tube thickness (B)	1.8mm	3.56mm	1.8mm	3.68mm

Note: Please choose a larger diameter handrail for a smooth effect.

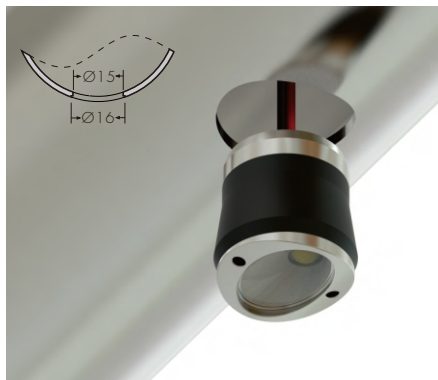
Installation



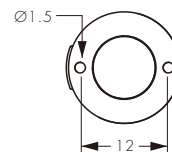
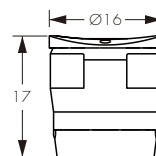
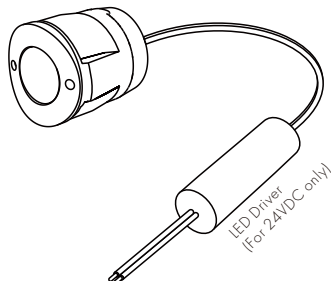
Model No.: 18M16 | 1W / 1.5W | M16 LED Handrail Spotlight



Units:mm



24VDC Input Version



Material Specifications

Housing:	SUS 316 Stainless Steel, or Anodized Aluminum Alloy available
Light Window:	Clear PMMA diffuser
LED:	High Power LED, Brands: CREE, OSRAM or others
Application:	Suit for Ø40~90mm round shaped Stainless Steel or Aluminum handrail with wall thickness 1.5mm~2.5mm and Ø15mm Cut out hole
Operating Temperature:	-25°C~+45°C
Mounting Way:	Recessed mounted
Control Support:	ON/OFF, or constant current version can be dimming with Remote Dimming Driver (not included)



Symmetrical



Elliptical

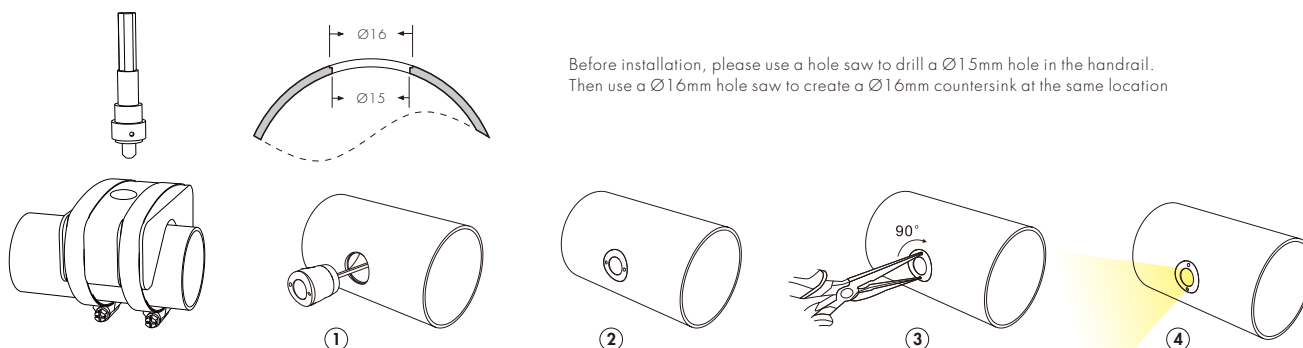


Asymmetrical

Technical Specifications

Item Number	Dimension (mm)	Cut Out (mm)	Control Mode	Light Color or CCT (K)	Light Source	Beam Angle (°)	Input	Typical Power (W)±3%	Typical Luminance (lm)	IP Rate
18M16-S-101-CC Ø16xH17 Ø15			ON/OFF, Dimming	Single	1 pcs × 1.5W CREE LED	Symmetrical 25°, 35°, 45°, 65°	3VDC, Constant current 350mA, or 500mA	1W (@350mA) 1.5W (@500mA)	Cool white=155 Warm white=131 (@ 1.5W)	IP67
18M16-A-101-CC Ø16xH17 Ø15			ON/OFF, Dimming	Single	1 pcs × 1.5W CREE LED	Asymmetrical 80°, Elliptical 65°×90°	3VDC, Constant current 350mA, or 500mA	1W (@350mA) 1.5W (@500mA)	Cool white=148 Warm white=125 (@ 1.5W)	IP67
18M16-S-101-DC	Ø16xH17	Ø15	ON/OFF	Single	1 pcs × 1.5W CREE LED	Symmetrical 25°, 35°, 45°, 65°	24VDC	1W or 1.5W	Cool white=122 Warm white=103 (@ 1.5W)	IP67
18M16-A-101-DC	Ø16xH17	Ø15	ON/OFF	Single	1 pcs × 1.5W CREE LED	Asymmetrical 80°, Elliptical 65°×90°	24VDC	1W or 1.5W	Cool white=116 Warm white=98 (@ 1.5W)	IP67

Note: CCT(K) of single color:2700K, 3000K, 4000K, 5000K, 6000K, 6500K.



Before installation, please use a hole saw to drill a Ø15mm hole in the handrail. Then use a Ø16mm hole saw to create a Ø16mm countersink at the same location



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