Schréder
Experts in lightability™

ILLUMINATION

Alinea Handrail

Unrivalled performance, coupled with seamless aesthetics, to deliver the best experience.

From new bridges to historic stairwells, Alinea can drive footfall providing a safe, pleasant experience for pedestrians. Built seamlessly into brushed or painted 316 stainless steel tubes, it provides a robust, finished solution for more unique pathways.

Performance-wise, the Alinea dominates its competition with both asymmetrical and symmetrical photometries available; you can ensure no light is wasted and the lighting standards are met.

Schréder provides a complete delivery solution, including detailed design, manufacturing, installation and maintenance. Our partnerships result in the best value for our customers and a scheme that creates enjoyable, comfortable experiences for our end users.

IP 66
IP 67

IK 10

1/2kV

CE

RoHS

UK CA

ACCENT & ARCHITECTURAL

BIKE & PEDESTRIAN PATHS

BRIDGES

RAILWAY STATIONS & METROS

Alinea Handrail | SUMMARY

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Concept

High grade aluminium alloy body ensures the luminaire module withstands extreme impacts and delivers the products IK10 rating. For the tubing and mounting, 316 marine grade, brushed stainless steel further ensures the durability of the product. The screws for the module have anti-vibration technology which ensures a full product lifespan, even for applications such as railway bridges and associated footpaths.

Handrails often require custom mounting fixtures to integrate them with existing structures. Schréder provides full support to our customers throughout the entire design process. We deliver electrical schematics and wiring diagrams with a full system designed efficiently, including the integration the desired control system. Our mechanical designers will ensure the mounting fixtures provide a seamless final solution in even the most complex of environments.

Often we undertake site surveys to fully understand the complexity and constraints of the environment as this product can be mounted to a wide variety of infrastructure from 200 year old stairways to newly installed bridges.

Many of our customers opt to have the solution installed by our Schréder installation team. Not only is this the most efficient method, as the team regularly complete handrail installations but we can also offer added benefits such as extended warranty and logistical flexibility. Maintenance schemes can further this extension and provide a truly long lasting experience to your users.

Types of application

- Bridges
- Railway Stations & Metros
- Accent & Architectural
- Bike & Pedestrian Paths

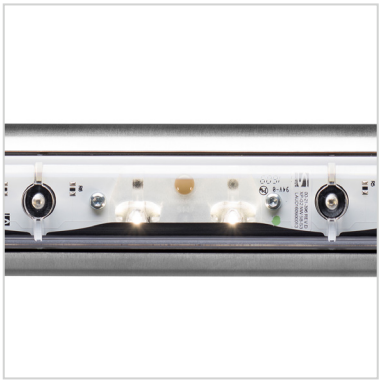
Key advantages

- Seamless aesthetic integration combined with high quality, robust, finished solution
- Both asymmetrical and symmetrical photometries available
- DALI dimmable
- Schréder complete delivery solution can cover every aspect, including installation, providing a great value solution to our customers.

Straight Knuckle

Angled Knuckle

Flush Knuckle



Backlight Shield

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Alinea Handrail | CHARACTERISTICS

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GENERAL INFORMATION

Recommended installation height (mm)	900 - 1100*
Control gear included	Yes
CE mark	Yes
ROHS compliant	Yes
Standards	EN 60598-1:2015/A1:2018 IEC TR 62778:2014 LM 79-80 (all measurements in ISO17025 accredited laboratory)

*Depending on specific application.

HOUSING AND FINISH

Housing	Extruded Aluminium, grade 6082-T6
Protector	UV Stabilised Polycarbonate
Handrail	Stainless Steel 316
Handrail finish	Brushed or RAL Colour
Tightness level	IP 66 & IP 67
Impact resistance	IK 10

DIMENSIONS AND MOUNTING

Module length (mm)	341
Module weight (kg)	0.5
Tube diameter (mm)	48.3
Standard mounting	Design as per customer requirement

ELECTRICAL INFORMATION

Electrical class	EU class III
Surge protection	10kV
Electromagnetic compatibility (EMC)	EN55015 / EN61000-3-2 / EN61000-3-3 / EN61547 / EN50121-4
Control options	DALI, Emergency, Owlet

OPTICAL INFORMATION

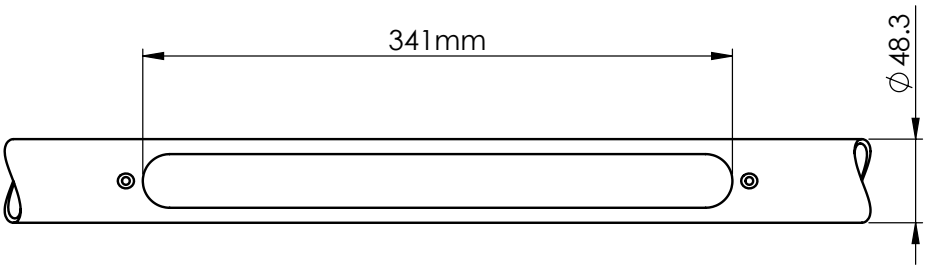
LED colour temperature	3000K (Warm white) 4000K (Neutral white)
Colour rendering index (CRI)	>70

OPERATING CONDITIONS

Operating temperature range (Ta)	up to +55 °C

LIFETIME OF THE LEDS @ TQ 25°C

For all versions	100,000h L90B10



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			Luminaire output flux (lm) Neutral White (4000K) - CRI 70		Luminaire output flux (lm) Warm White (3000K) - CRI 70			Luminaire efficacy (lm/W)	
Luminaire	Number of LEDs	Current (mA)	Min	Max	Min	Max	Power consumption (W)	Up to	Photometry
ALINEA	3	350	391	395	367	370	3.5	113	5117 (Narrow) 5121 (Wide) No Lens (Symmetrical)
	6	350	782	790	497	513	6.5	122	5117 (Narrow) 5121 (Wide) No Lens (Symmetrical)

Tolerance on LED flux is ± 7% and on total luminaire power ± 5 %

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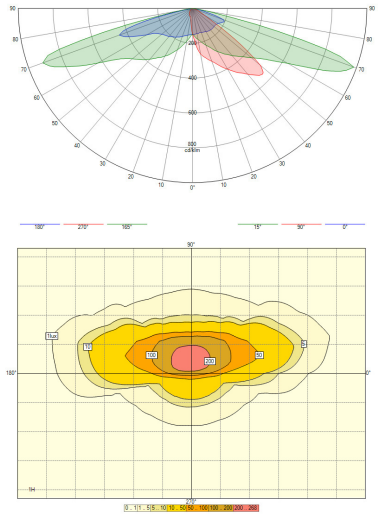
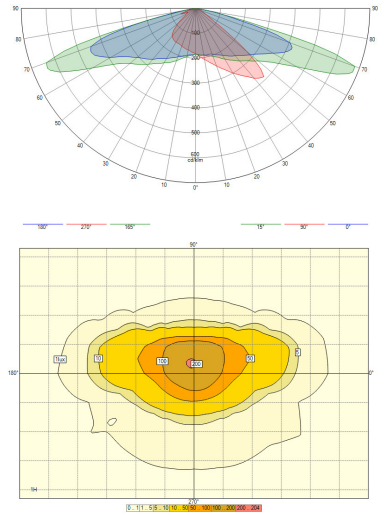
LENSO FLEX® 2

5117 SHIELD

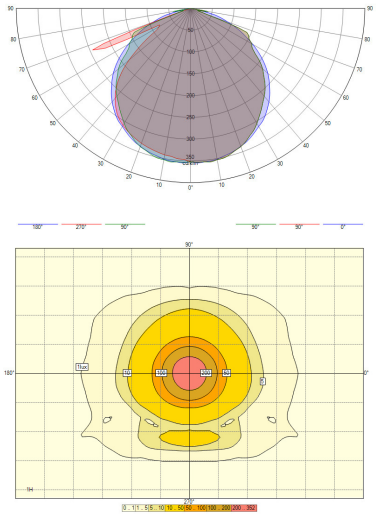


LENSO FLEX® 2

5117

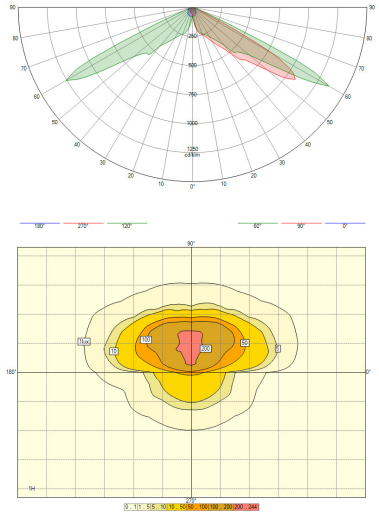


NO LENS



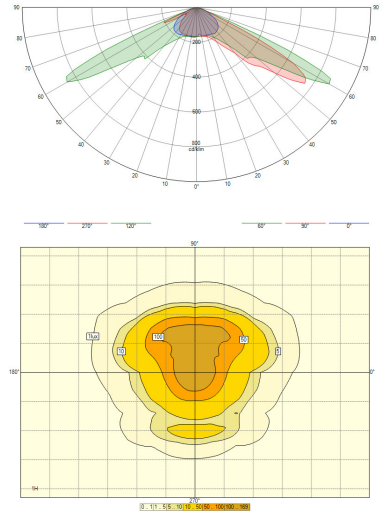
LENSO FLEX® 2

5121 SHIELD



LENSO FLEX® 2

5121



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