

Model NL2007

General Description

Lightpipe system

The product is based on a modular lightpipe system. One or two 70 W or 150 W metal halide sources with a life of approximately 15,000 hours or longer are connected to a clear pipe lined with 3M optical film. The light is emitted by the pipe as a whole, which distributes it effectively. The system has been piloted at a range of locations, and is suitable for large buildings such as tunnels, car parks, shopping centres, offices, sports halls, exhibition halls and warehouses. The tests showed that both users and visitors appreciate this type of lighting and consider it is as comfortable and safe.



Modular design

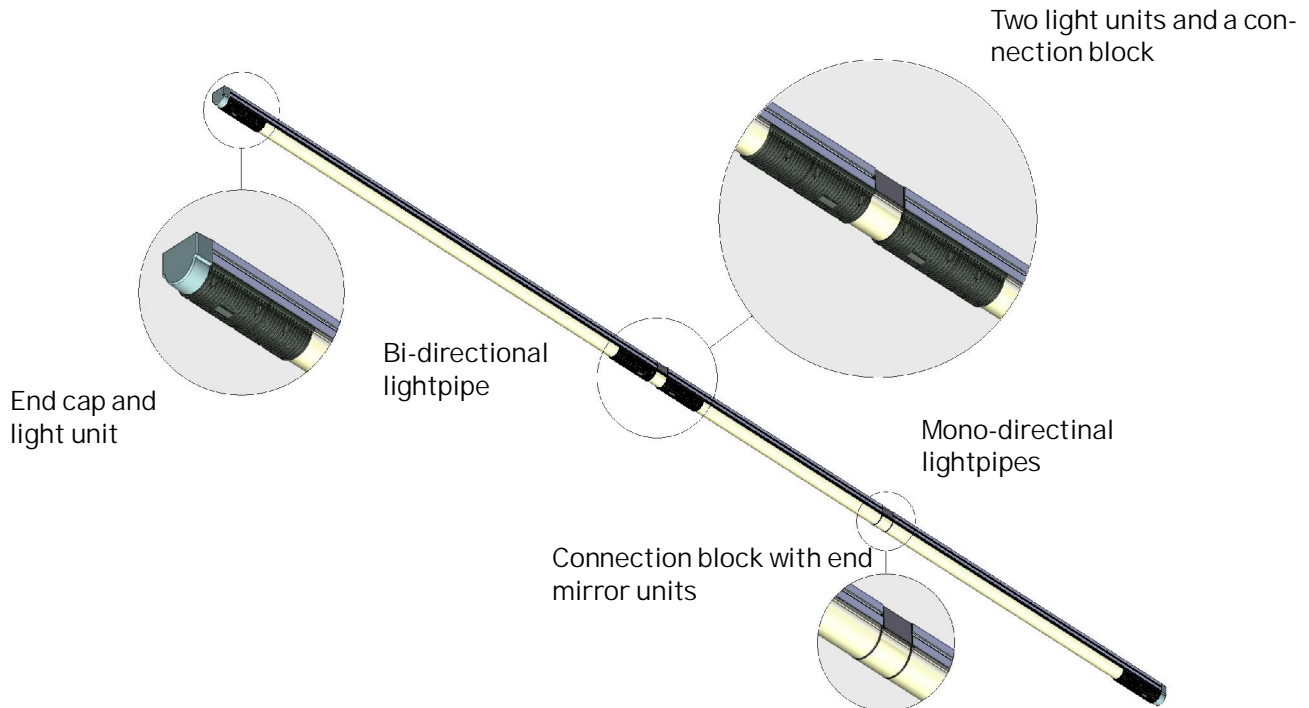
The modular system is easily installed. Other benefits include low maintenance costs and a high energy efficiency. The Nils Lightpipe is available in modules of 2, 3, 4 and 6 m, which are easily linked. The sources can light on one or two pipe ends and the system has a high-tech appearance. All wiring is incorporated in the fixing profile, and just one connection is enough for up to 100 m of Lightpipe.

Innovative

Nils specialises in innovative lighting systems. The company develops and manufactures professional lighting systems and focuses on the environment, sustainability and energy efficiency. Nils also provides support and training to companies using its products. Other Nils products include lighting systems for dynamic road marking, and for security, guidance and decoration.

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General Specification



Profile

Material	GRPP (Glass fiber Reinforced Pultruded Polyester)
Cross-section dimensions	122,5 x 75 mm
Length	2, 3, 4 or 6 meter
Colour	RAL 7035 (other colours on request)

Lighting unit

Dimensions	(L x W x H) 368 x 122.5 x 108 mm
Colour	RAL 7002 (other colours on request)
Protection class	IP65
Power supply	115-230 V, 0,9-0,45 A, 50-60 Hz
Lamp	Metal Halide CDM-T 70 W
Ballast	Electronic
Power consumption	+/- 80 W to +/- 320 W

Transparent cover

Material	Polycarbonate
Light distribution	several 3M films

Supports

Material	Stainless steel
Finish	Polished
Fixing	By bolts
Installation	Maximum distance between supports: approx. 3 meters

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Connection block

Material	Flame retardant Bio-resin and Polycarbonate
Colour	RAL 7035 (other colours on request)
Fixing	In the support groove
Visible dimension	100 mm

90° Angle

Material	Flame retardant Bio-resin and Polycarbonate
Colour	RAL 7035 (other colours on request)
Fixing	In the support groove
Visible length dimension	100 mm

End Mirror

Material	Flame retardant Bio-resin
Dimensions	(L x W x H) 21 x 122,5 x 102 mm
Colour	RAL 7002 (other colours on request)
Mirror	For single mono directional Light Pipe

End cap

Material	Flame retardant Bio-resin
Dimensions	(L x W x H) 50 x 122,5 x 127 mm
Colour	RAL 7002 (other colours on request)

Measurements

Diagrams of the light intensity and distribution are available on request

