

Pathfinder

IP 66
(CBT)

IK 08

Class I

Class II 



The Pathfinder is a unique Indal development dedicated to suit the requirements of narrow areas like cycle paths, bridges, pedestrian areas and narrow streets. The maximum is made of both light technical performance and energy saving by having sophisticated refractor optics. A wide range of lamps can be employed, including low wattage lamps.

Applications

Consult pages 16-19

Lamps

Compact fluorescent

up to 24W (FSD)

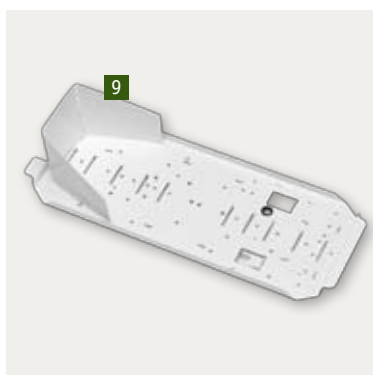
up to 57W (FSM)

High pressure sodium

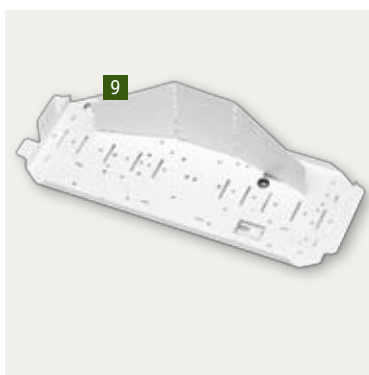
up to 70W

Ceramic metal halide

up to 70W



Uniblock reflector in different positions.



Gear tray with two retention clips.

* ASA stands for Acrylonitrile Styrene Acrylate, which is a copolymer.

- 1 **Canopy** made of high impact and UV resistant ASA*. Standard colour (unpainted) RAL 7035. Bayonet closing of the canopy, with retaining plate.
- 2 **Bowl** made of high impact resistant and UV stabilized clear polycarbonate with interior refractions, smooth exterior.
- 3 **Light window** in the refractor bowl which creates the highly effective and unique light technical distribution.
- 4 **Spigot** die-cast (LM6 quality) aluminium for post top \varnothing 76mm or \varnothing 60mm. Column fixation with one stainless steel M10 bolt. Spigot, as standard, unpainted.
- 5 **Gasket** between canopy and bowl seals lantern to IP 66. Controlled Breathing Technology (CBT), through the spigot, prevents build up of condensation.
- 6 **Gear tray** steel plate painted reflector white. Securely held in place by two retention clips, easy removable by use of plug/socket.
- 7 **Optics** optimised per lamp type (WRN or SRN) for maximum effect in combination with the refractor bowl.
- 8 **Thermofix®** warrants optimal temperature behaviour for compact fluorescent (FSD) lamps and assures a firm fixation of the lamp in combination with the lamp holder.
- 9 **Uni block reflector** multi position applicable, eg. for end of path situations.
- 10 **Gear**
Compact fluorescent: standard electronic.
High pressure sodium: conventional, power factor corrected (PFC).
Ceramic metal halide: conventional, timed ignitor, power factor corrected (PFC).
- 11 **Cable connection** PG 16 gland, cable entry 7-14mm, with strain relief.

Mounting



Reliable and easy column mounting with a stainless steel M10 bolt. By keeping the M10 bolt perpendicular to the road axis, the optic is automatically positioned correct. There are versions for Ø 60mm and Ø 76mm column tops.

Maintenance



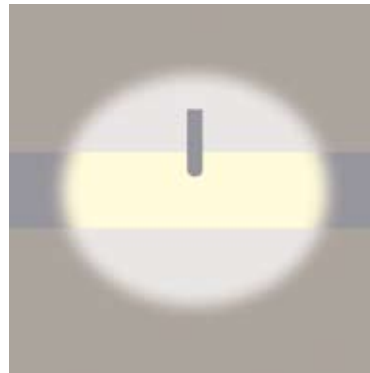
The canopy can easily be opened by unscrewing the stainless steel clip and remove the canopy from the bowl (bayonet closing).



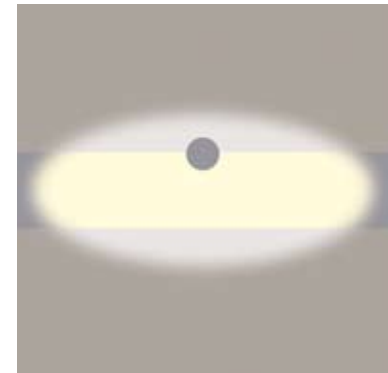
The gear tray can then be removed from the bowl, which makes lamp replacement very easy.

Optics

The sophisticated refractor optics create a narrow sideways light distribution, limiting light spillage to the front and behind the lantern maximally, while giving excellent column spacings. By doing this, both energy saving and public safety is enhanced. Pathfinder has won a "most innovative product" award from police authorities for its unique contribution to social safety.



Normal optic.



Pathfinder optic.

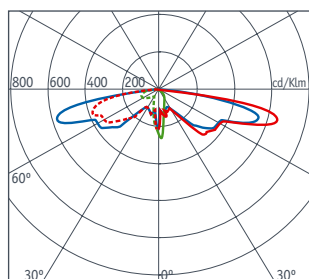


Optic FSD (reflector WRN).



Optic ST/MT (reflector SRN).

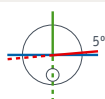
Pathfinder



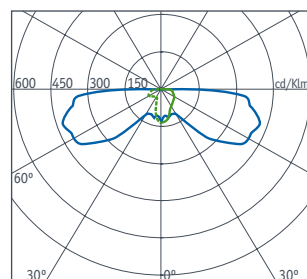
Reflector
WRN

Lamp
FSD-9

Performance
ULOR: 4%
DLOR: 65%



Pathfinder



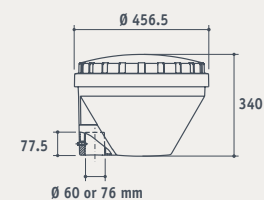
Reflector
SRN

Lamp
ST-70

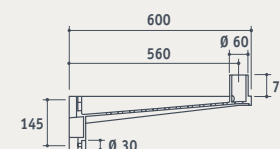
Performance
ULOR: 4%
DLOR: 68%



Pathfinder



IBX Wall bracket



MODEL	TYPE	SHAPE	LAMP HOLDER	REFLECTOR	BOWL	W.a. (m ²)	Kg
Pathfinder	FSD-7		2G7	WRN	PC	0.13	5-6
	FSD-9		2G7				
	FSD-11		2G7				
	FSD-18		2G11				
	FSD-24		2G11				
	FSM-18		GX24q-2				
	FSM-26		GX24q-3/4				
	FSM-32		GX24q-3/4				
	FSM-42		GX24q-3/4				
	FSM-57		GX24q-5				
	ST/MT-50		E27	SRN			
	ST/MT-70		E27				

FSD-FSM (Compact fluorescent)
ST (High pressure sodium)
MT (Ceramic metal halide)

PC (Polycarbonate Bowl)
W.a. (Windage area)
Kg (Weight)

For more information about lamps, consult pages 386-389.

OPTIONS

Including lamp and cable
Class II versions
Wired for cell (WFC), mini Photocell or NEMA socket
Other RAL colours (canopy and spigot) on request
DIM versions
Electronic ballast for MT/ST

ACCESSORIES

902400.252 Uni-block reflector