

INDO

fresh thinking
trusted technology



ROAD

INDO AIR1



*The management system governing the manufacture
of this product is ISO 9001:2015 certified*

INDO AIR1

Footpaths

Town/City
Centre

Facilities

Features

- Direct Drive® technology
- Low windage
- Lightweight fitting
- No hinges, clips or lids
- Integrated longlife photocell
- Excellent thermal management
- Fully sealed PC glazing
- 145 lm/W
- Perfect maintenance lantern

Benefits

- Up to 60% energy reduction
- Ideal solution for old columns/poles
- Quick and simple to install
- No driver or photocell maintenance
- Low whole life cost and risk
- Minimal column loading
- Ideal 'maintenance' lantern
- Superior lifetime

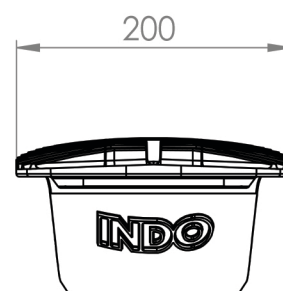
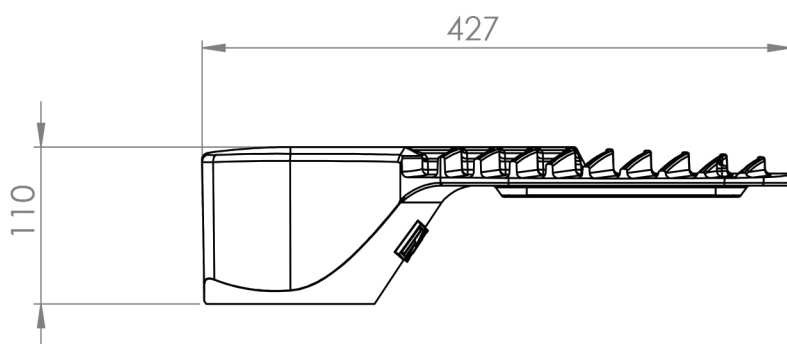
Parishes

Train Stations

Car Parks

Retail Parks

Residential

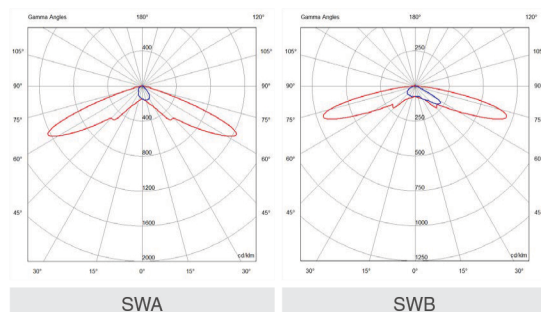


All dimensions in mm

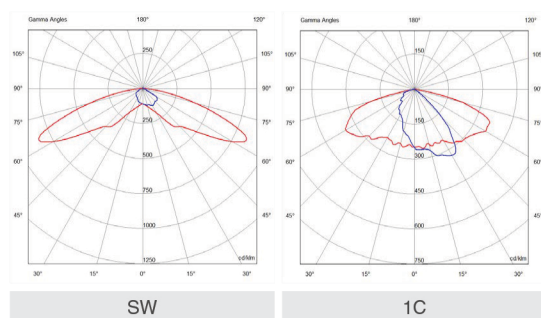
INDO AIR1

Photometry

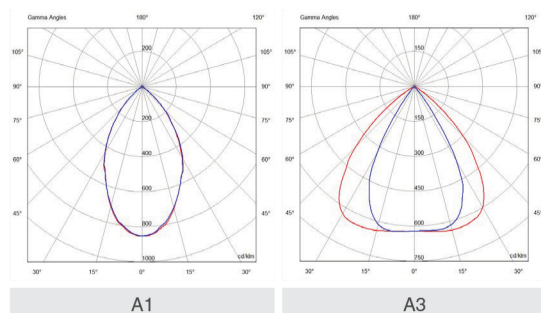
Example optics for footpaths & residential



Example optics for residential



Example optics for Area



Product Overview

The INDO AIR1 is a revolutionary LED luminaire designed for a multitude of applications. Using our latest Direct Drive® technology the unit requires no LED driver and has no wear out components whatsoever, resulting in an excellent full product life, set purely by the LEDs themselves. The unique casting (with no moving parts and an internal mounting bracket) is constructed from marine grade aluminium providing effective thermal management and an extremely robust luminaire structure.

Despite its robustness, the luminaire is extremely light at only 3.1kg and the sleek design results in minimal column loading, (perfect for old columns or pole bracket arrangements). Combined with the multiple mounting options available as standard, this makes the AIR extremely easy for a single operator to install.

The AIR is supplied in fully recycled and recyclable packaging, with two luminaires in each box. Robust inserts can be easily flattened following installation for recycling or return. A total of 160 luminaires are packed onto one pallet.

Direct Drive® delivers:

- Lowest whole-life costs
- Lowest whole-life maintenance risk
- Market-leading reliability
- Best value procurement route



AIR1 Technical Specifications



PRODUCT ORDERING OPTIONS

Model	AIR1, AIR1+, AIR1 DALI
Power	10W to 40W
Lumen Output (4000K)	1067lm to 4,000lm
Correlated Colour Temperature (CCT)	3000K, 4000K, 5000K
Control Options	20mm pre-drilled NEMA 3, 5 or 7-pin
Internal Photocell	20/20, 35/18, 55/28 Not fitted or activated
Pre-set Dimming	Fixed pre-set 50% [00:00-05:00] pre-set 75% [00:00-05:00] pre-set, multi-step options Other programs on request
Optics	1C, SW, SWA, SWB A1, A2, A3
Luminaire Colour	RAL9005 Jet Black RAL7040 Window Grey Other options on request

For more information on selecting the correct lantern specification to suit your application and design criteria, please contact your local account manager direct or call the main office (option1 sales)



KEY FEATURES

Direct Drive®	Yes
Lighting Classes	S4-S7 P4-P7
Glare Control	Classifications up to G6
Replacement For	50W, 70W SON, 45W, 60W CPO-TW, 24W, 36W, 40W, 55W PLL, 32W, 42W PLT
Dimming Range (DALI)	100% down to 50% output
Constant Light Output	Yes
Reliability	0.58 failures per million operating hrs
Materials	LM6 HPDC aluminium Stainless steel grub screws, UV Stabilised Polycarbonate



PHYSICAL PROPERTIES

IK Rating	IK08
IP Rating (Optic + Gear)	IP66
Windage	0.025m²
Dimensions (LxWxD)	427 x 200 x 110 mm
Net Weight	3.1kg
Operating Temperature Range	Up to -20°C to +40°C



LEDs

Risk Group	RG1 (low risk)
LED Module (Options)	Opus
Lamp Efficacy (4000K)	145 lm/W
Lumen Maintenance at 100,000 hours	L84B50
Product Rated Life L80B50	140,000 hrs
Colour Rendering Index (CRI)	>70
Direct Drive® Current	From 4mA to 25mA
SP Ratio (4000K)	1.8

Exact LED specifications vary depending on selected light module and will be confirmed with product choices



ELECTRICAL

Input Voltage Range	195-265 V @ 50/60Hz
Operating Frequency	100 Hz
Power Factor	>0.95 to >0.99
CLO	AIR1+ and AIR1 DALI
Soft Start	Yes
Extreme Soft Start	No
Automatic Disconnect	Not applicable
CMS Compatible	Yes
Photocell compatibility	Fits all PEC, Mini or NEMA

A wide range of options are available to ensure customers can specify lanterns around their needs to gain cost-efficiencies.



INSTALLATION

Mounting Options	Side entry 34-42mm * Side entry 48-60mm Post top 60mm-76mm <i>NB: 5° standard, 0° with optional shin.</i> <i>* For hockey stick bracket mounting, 110mm x Ø42mm extension spigot available</i>
Mounting Heights	4m to 6m
Integrated Photocell	Yes
Shields available	Front, sides and rear
Future-proofing	Onsite upgradable modules



UMSUG CODES

Easy look up table available www.indolighting.com/umsug