

## INDO Products – Retrofit Specifications

### Retrofit Gear Tray: SQUARE TAPERED RANGE (RDA1)



#### Features

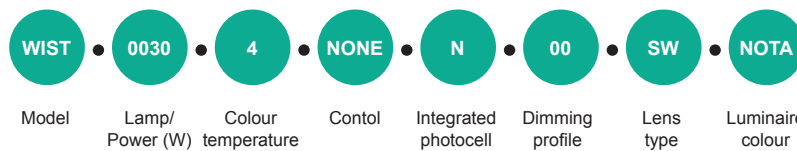
- ⊙ Direct Drive® technology
- ⊙ Pre-set dimming or DALI
- ⊙ Standalone IP66 module
- ⊙ No 3rd party components
- ⊙ Integrated photocell
- ⊙ Excellent thermal management
- ⊙ LED efficacy 145 lm/W
- ⊙ CMS compatible
- ⊙ Twin module option
- ⊙ 0.58 failures per Million hours

#### Benefits

- ⊙ Up to 77% energy reduction
- ⊙ Rapid payback
- ⊙ Quick and easy to install
- ⊙ No driver = Low maintenance
- ⊙ One, all-inclusive warranty
- ⊙ Minimised column loading
- ⊙ Quality design & engineering



#### INDO code explained



#### Stocked product code

WIST • 0030 • 4 • NONE • N • 00 • SW • NOTA

#### Product codes for your reference

Model GearTray	Product code	Wattage/ Nominal Flux **	Product code	Colour temperature	Product code	Control	Product code
Windsor Street	WIST	10W (1,067)	0010	3000K	3	None - RDA1*	NONE*
Urbis Abbey	ABBM	15W (1,600)	0015	4000K*	4	CLO - RD1P	CLO
<i>Other lantern models available on request. Ask your INDO Account Manager</i>		20W (2,133)	0020	5000K	5	DALI - RD1D (incl. CLO)	DALI
		25W (2,667)	0025				
		30W* (3,200)	0030*				
		40W (4,266)	0040				
		50W (5,334)	0050				
		60W* (6,400)	0060*				

Integrated photocell	Product code	Pre-set dimming profile	Product code	Lens type	Product code	Luminaire colour (RAL)	Product code
Not fitted	N	No pre-set dimming	00	1C optic	1C	Not Applicable	NOTA
Not activated <i>DALI model only</i>	X	Dimmed to 50% [00:00 - 05:00] <i>CLO or DALI model only</i>	01	SW optic*	SW*		
20/20 lux <i>CLO or DALI model only</i>	2	Dimmed to 75% [00:00 - 05:00] <i>CLO or DALI model only</i>	02	SWA optic <i>10-15W model only</i>	SWA		
35/18 lux* <i>CLO or DALI model only</i>	3*			SWB optic <i>10-15W model only</i>	SWB		
55/28 lux <i>CLO or DALI model only</i>	5	Dimmed to: 75% [22:00 - 00:00] 50% [00:00 - 05:00] 75% [05:00 - 06:00] <i>CLO or DALI model only</i>	03	A1 (60°) optic	A1		
				A2 (90°) optic	A2		
				A3 (asymmetric) optic	A3		

\* Denotes standard product variants that are available from stock, giving you shorter lead times.

\*\* Total indicative LED flux at  $T_j$  85°C. The installed flux output of the luminaire may vary depending on environmental conditions e.g. temperature and pollution

### Gear Tray Overview



INDO sits at the forefront of the market with its impressive range of LED Direct Drive® retrofit gear trays. Available in a wide range of lumen outputs, these units are cost-effective and simple to fit, boasting technologically advanced features to deliver exceptional energy saving and reliability, as well as significantly lower maintenance and whole-life costs.

This single component gear tray is a robust, standalone, IP66-rated product that doesn't need space for a driver or require new seals thus solving a range of engineer challenges.

As with all our gear trays, these are customised lantern-specific solutions, designed to operate with maximum reliability for the long term. No wear-out components on board whatsoever i.e. no drivers or external photocells. This

### Technical Specifications

Input voltage range	195-265 V @ 50/60Hz
Ambient operating temperature	-20°C (min) – +40°C (max)
Approx Weight (single module)	1 kg
Approx Weight (twin module)	1.7 kg
Mounting options	Plug and play into existing fitting
Ingress Protection (Optic + Gear)	IP66
Colour Rendering Index (CRI)	≥70
Correlated Colour Temperature (CCT)	3,000K, 4000K, 5000K
Power Factor	> 0.95
Dimming Range (DALI)	20-100% output
S/P ratio (4000K)	1.8
Operating Frequency	100 Hz
Lumen Maintenance	84% @ 100,000 hrs
L80B50	140,000 hours
Reliability	0.58 failures per million hours (equivalent to 197 years)
IK Rating	IK08
Risk Group	RG1
UMSUG codes	<a href="http://www.indolighting.com/umsug">www.indolighting.com/umsug</a>

reduces ongoing maintenance costs (as well as energy) throughout scheme life and means customers need just one warranty for their complete LED street lighting solution.

### Photometry

