



FEATURES

- Simple LED retro fit design for any HID luminaire
- Tray designed to suit your luminaire
- Luminaires already designed include ARC80, Sapphire, ZX1, Oracle, Beta 2, Beta 5, Libra, Windsor, Albany, Abbey
- Dimmable & CMS Connectivity
- Quick and easy installation
- Future Proof (Parts interchangeable)
- Up to 80% Energy Saving!

Available to retro fit into any lantern type, bespoke solutions available & also available ready sealed into a polycarbonate bowl/cover



LEDroad - (35/55w SOX & 70w SON replacement)	RF 12LED (up to 6.1KLM)
LEDroad - (100w SON replacement)	RF 24LED (up to 12.2KLM)
LEDroad - (150w/250w SON replacement)	RF 36LED (up to 18.4KLM)
LEDroad - (250w/400w SON replacement)	RF 48LED (up to 24.5KLM)

Product Family Name:	LEDroad RF
Product Family Code:	ALRF>No of LED<>CCT<>Lumen Package<>Lantern Type<
LED Brand:	Seoul Semiconductor
LED Colour Temp:	3000K, 4000k (Stnd) or 5000k
CRI:	70 (>80 on request)
Light Source Replaceable:	Yes
Power Supply:	On board
Optical Type:	Multi-Layer
Optical Distribution:	Road Type II, III, Roadway & Area
Optical Cover/Lens:	Yes
Dimmable:	Yes
IP Rating:	Will maintain the IP rating of your luminaire
Mounting:	Tray designed to fit luminaire
Aiming Angles:	Set by luminaire angle
UMSUG Codes:	On request
Warranty:	5 Years

Input Voltage:	230v
Control Signal:	Optional 0-10v or DALI
Chassis Material:	Painted Aluminium or steel
Chassis Colour:	Painted grey (optional to match fixture)
Optical Cover/lens material:	polycarbonate optional
Mechanical Accessories:	Pre-wired
LED Coordinates:	NA
Weight (Kg):	1 / 1.3 / 1.6 / 1.9
System Power (w):	See chart on following page
Luminous flux (KLM):	See chart on following page
LED Luminaire efficacy:	Up to 160lm/w
Surge Protection	4KV (10 on request)
Working Temp:	-40 to +50°C

Performance – Seoul YZ22P LED Chip

No of LED's	Drive Current (mA)	Total System		Lm/W	24LED		36LED		48LED					
		watts (w)	Delivered Lumens (Lm)		Power (w)	Lumen (Lm)	Power (w)	Lumen (Lm)	HID Equivalent	Power (w)	Lumen (Lm)	HID Equivalent		
12	200	7.4	1193	20w	161.22	14.8	2386	35w	22.2	3579	35w	29.6	4772	70w
12	350	13	1962	35w	150.92	26	3924	70w	40	5886	70w	52	7848	100/150
12	500	19	2802	50w	147.47	38	5604	100w	57	8406	100/150	77	11208	150
12	700	26	3688	70w	141.85	52	7376	100/150w	80	11064	150w	105	14752	250
12	1000	39	5269	100/150w	135.10	78	10538	150w	117	15807	250w	156	21076	400

Performance – Cree XPG3 LED Chip

No of LED's	Drive Current (mA)	Total System		Lm/W	24LED		36LED		48LED					
		watts (w)	Delivered Lumens (Lm)		Power (w)	Lumen (Lm)	Power (w)	Lumen (Lm)	HID Equivalent	Power (w)	Lumen (Lm)	HID Equivalent		
12	200	7.4	1088	20w	147.30	14.8	2177	35w	22.2	3266	35w	29.6	4355	70w
12	350	13	1905	35w	146.54	26	3810	70w	40	5716	70w	52	7621	100/150
12	500	19	2721	50w	146.53	38	5443	100w	57	8165	100/150	77	10887	150
12	700	26	3496	70w	134.46	53	6993	100/150	80	10490	150w	105	13987	250
12	1050	39	4911	100/150w	128.23	80	9823	150w	119	14734	250w	161	19646	400
12	1400	54	6141	150	113.72	107	12282	150/250	162	18423	250/400	216	24564	400/600

Indicative data subject to change without prior notice

Photometry

