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LED Road Lighting Luminaire

ECOtron 12W/14W/18W

LED's have a number of useful properties such as directionality, specific colour, long life and high efficiency. Ammini takes advantages of these inherent qualities of LED's in designing its latest range of mains operated LED road lighting luminaries.

BIS Certified
IS 10322
(Part 5/Sec 3)
R-64000370

Features

- Long life LEDs (>50,000 hrs) without lens
- High efficiency,in-built LED Driver
- High Power factor (PF) and low THD
- Built-in Surge Protection up to 6KV
- Aluminium die cast housing with IP-66 protection
- Virtually maintenance free

Compliance & certifications

- Manufactured at a ISO 9001:2015 certified facility.
- LM 79 Test report for Luminary.
- LM 80 Test report for LED.

Mains Powered | Outdoor Use | Wide Supply Voltage | IP-66 Protection | Energy Saving | Minimal Maintenance

Specification

General			
Model	**ECOtron 12W**	**ECOtron 14W**	**ECOtron 18W**
Application	Street Lighting / Road Lighting / Yard Lighting, Outdoor use		
Operation	Manual / Auto (DTDC) operation (optional)		
Output			
Light Source	Low Power White LED		
Output Luminous Flux	>1140 Lumens	>1330 Lumens	>1710 Lumens
Colour Rendering Index (CRI)	>70%		
LED Beam Angle	135x85 Degree optimized for street lighting (Bat Wing) with Secondary lens		
LED Life	70% lumen maintenance with 50,000 operating hours.		
Electrical			
Rated input voltage/voltage range	230VAC / 140VAC to 270VAC, constant light output throughout the range		
Rated Input Power	12W±1W	14W±1W	18W±2W
LED Make/Type	Osram / CREE / NICHIA / LUMILEDS		
LED Driver	Fly back converter, Efficiency > 82%, Idle consumption <1W (For Auto operation)		
Input Power Factor	> 0.95 at rated input voltage		
Input THD	<10% at rated input voltage		
Input side protection	Over voltage, Under voltage, EMI suppression, Protection against lightning, In-rush (surge) protection		
Load side protection	No load protection, Short circuit protection, Over Voltage protection		
Mechanical			
Fixing	Pole mounting with mounting bracket, pipe entry size 27mm diameter		
Housing	Pressure Diecast Aluminium (IP 66) with SS 316 fastners		
Bowl	Injection Moulded, Non Yellowing Poly Carbonate (PC)		
Gross Weight/ Packed Size	0.75 Kg / 260 mm x 125 mm x 55 mm (LxWxH)		
Operating condition	+10°c to 45°c /10% to 90% RH		

Ordering Information

Model	Order Code	Product Description
ECOtron 12W	LRL-12AE1A	Road Lighting Luminary(LED), ECOtron 12W, 230V, Manual Operation.
ECOtron 12W	LRL-12AE2A	Road Lighting Luminary(LED), ECOtron 12W, 230V, Auto Operation.
ECOtron 14W	LRL-14AE1A	Road Lighting Luminary(LED), ECOtron 14W, 230V, Manual Operation.
ECOtron 14W	LRL-14AE2A	Road Lighting Luminary(LED), ECOtron 14W, 230V, Auto Operation.
ECOtron 18W	LRL-18AE1A	Road Lighting Luminary(LED), ECOtron 18W, 230V, Manual Operation.
ECOtron 18W	LRL-18AE2A	Road Lighting Luminary(LED), ECOtron 18W, 230V, Auto Operation.

For Information
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LED Road Lighting Luminaire ECOtron 24W/30W/36W

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BIS Certified
IS 10322 (Part 5/Sec 3)
R-64000370

Features

- Long life LEDs (>50,000 hrs) fitted without lens
- High efficiency, in-built LED Driver
- High Power factor (PF) and low THD
- Built-in Surge Protection up to 6KV
- Aluminium die cast housing with IP-66 protection
- Virtually maintenance free

Compliance & certifications

- Manufactured at a ISO 9001:2015 certified facility
- LM 79 Test report for Luminary
- LM 80 Test report for LED

Mains Powered | Outdoor Use | Wide Supply Voltage | IP-66 Protection | Energy Saving | Minimal Maintenance

Specification

General			
Model	**ECOtron 24W**	**ECOtron 30W**	**ECOtron 36W**
Application	Street Lighting / Road Lighting / Yard Lighting, Outdoor use		
Operation	Manual / Auto(DTDC) operation (optional)		
Output			
Light Source	Low Power White LED		
Output Luminous Flux	>2400 Lumens	>3000 Lumens	>3600 Lumens
Colour Rendering Index (CRI)	>70%		
LED Beam Angle	135x85 Degree optimized for street lighting (Bat Wing) with Secondary lens		
LED Life	70% lumen maintenance with 50,000 operating hours.		
Electrical			
Rated input voltage/voltage range	230VAC / 140VAC to 270VAC, constant light output throughout the range		
Rated Input Power	24W±2W	30W±3W	36W±3W
LED Make/Type	Osram / CREE / NICHIA / LUMILEDS		
LED Driver	Fly back converter, Efficiency > 85%, Idle consumption <1W (For Auto operation)		
Input Power Factor	> 0.95 at rated input voltage		
Input THD	<10% at rated input voltage		
Input side protection	Over voltage, Under voltage, EMI suppression, Protection against lightning, In-rush (surge) protection		
Load side protection	No load protection, Short circuit protection, Over Voltage protection		
Mechanical			
Fixing	Pole mounting with mounting bracket, pipe entry size 27mm diameter		
Housing	Pressure Diecast Aluminium (IP 66) with SS 316 fastners		
Bowl	Injection Moulded, Non Yellowing Poly Carbonate (PC)		
Gross Weight/ Packed Size	1.25 Kg / 320 mm x 140 mm x 55 mm (LxWxH)		
Operating condition	+10°c to 45°c /10% to 90% RH		

Ordering Information

Model	Order Code	Product Description
ECOtron 24W	LRL-24AE1A	Road Lighting Luminary(LED), ECOtron 24W, 230V, Manual Operation.
ECOtron 24W	LRL-24AE2A	Road Lighting Luminary(LED), ECOtron 24W, 230V, Auto Operation.
ECOtron 30W	LRL-30AE1A	Road Lighting Luminary(LED), ECOtron 30W, 230V, Manual Operation.
ECOtron 30W	LRL-30AE2A	Road Lighting Luminary(LED), ECOtron 30W, 230V, Auto Operation.
ECOtron 36W	LRL-36AE1A	Road Lighting Luminary(LED), ECOtron 36W, 230V, Manual Operation.
ECOtron 36W	LRL-36AE2A	Road Lighting Luminary(LED), ECOtron 36W, 230V, Auto Operation.

For Information
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LED Road Lighting Luminaire — ECOtron 45W/60W/72W

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BIS Certified
IS 10322 (Part 5/Sec 3)
R-64000370

Features

- Long life LEDs (>50,000 hrs) fitted without lens
- High efficiency, in-built LED Driver
- High Power factor (PF) and low THD
- Built-in Surge Protection up to 6KV
- Aluminium die cast housing with IP-66 protection
- Virtually maintenance free

Compliance & certifications

- Manufactured at a ISO 9001:2015 certified facility
- LM 79 Test report for Luminary
- LM 80 Test report for LED

Mains Powered | Outdoor Use | Wide Supply Voltage | IP-66 Protection | Energy Saving | Minimal Maintenance

Specification

Model	ECOtron 45W	ECOtron 60W	ECOtron 72W
General			
Application	Street Lighting / Road Lighting / Yard Lighting, Outdoor use		
Operation	Manual / Auto(DTDC) operation (optional)		
Output			
Light Source	Low Power White LED		
Output Luminous Flux	>4500 Lumens	>6000 Lumens	>7200 Lumens
Colour Rendering Index (CRI)	>70%		
LED Beam Angle	135x85 Degree optimized for street lighting (Bat Wing) with Secondary lens		
LED Life	70% lumen maintenance with 50,000 operating hours.		
Electrical			
Rated input voltage/voltage range	230VAC / 140VAC to 270VAC, constant light output throughout the range		
Rated Input Power	45W±4W	60W±6W	72W±6W
LED Make/Type	Osram / CREE / NICHIA / LUMILEDS		
LED Driver	Fly back converter, Efficiency > 90%, Idle consumption <1W (For Auto operation)		
Input Power Factor	> 0.95 at rated input voltage		
Input THD	<10% at rated input voltage		
Input side protection	Over voltage, Under voltage, EMI suppression, Protection against lightning, In-rush (surge) protection		
Load side protection	No load protection, Short circuit protection, Over Voltage protection		
Mechanical			
Fixing	Pole mounting with mounting bracket, pipe entry size 32mm diameter		
Housing	Pressure Diecast Aluminium (IP 66) with SS 316 fastners		
Bowl	Injection Moulded, Non Yellowing Poly Carbonate (PC)		
Gross Weight/ Packed Size	2.2 Kg / 425 mm x 180 mm x 70 mm (LxWxH)		
Operating condition	+10°c to 45°c /10% to 90% RH		

Ordering Information

Model	Order Code	Product Description
ECOtron 45W	LRL-45AE1A	Road Lighting Luminary(LED), ECOtron 45W, 230V, Manual Operation.
ECOtron 45W	LRL-45AE2A	Road Lighting Luminary(LED), ECOtron 45W, 230V, Auto Operation.
ECOtron 60W	LRL-60AE1A	Road Lighting Luminary(LED), ECOtron 60W, 230V, Manual Operation.
ECOtron 60W	LRL-60AE2A	Road Lighting Luminary(LED), ECOtron 60W, 230V, Auto Operation.
ECOtron 72W	LRL-72AE1A	Road Lighting Luminary(LED), ECOtron 72W, 230V, Manual Operation.
ECOtron 72W	LRL-72AE2A	Road Lighting Luminary(LED), ECOtron 72W, 230V, Auto Operation.

For Information
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