## Need for Central Monitoring and Control of the Solar Street Lights

FEATURES

➤Automatic Dusk to Dawn operation (Automatic switching ON at dusk and switching Off at dawn.

➤Automatic Monitoring the status of the light at remote station

➤Get the status and various parameters of the Photo voltaic Panel for further analysis

➤Get the status of the Battery for further analysis

➤Analyze the Panel Data to find out if cleaning is required

➤Analyze the Battery Data to find out if maintenance is required

➤Lower maintenance and operational cost

➤Looking for a solution with better ROI

➤Useful information is collected from the street light at the end of each day this information is stored in a database and based on this information charts are derived.

➤ Chart contains information like, Power consumption, Total number of burning hours, Total number of interruptions etc…

Hardware Interfaces for Remote Monitoring System
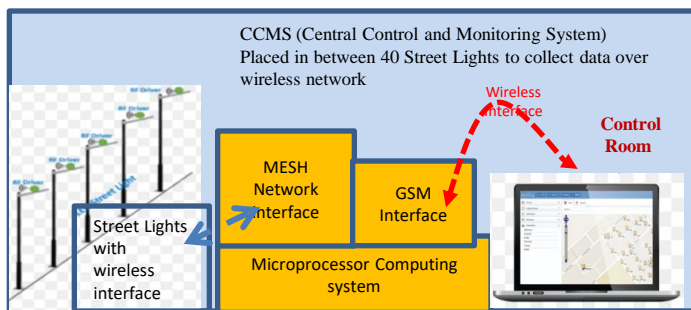
TECHNICAL SPECIFICATIONS

On/Off Cycles:	50000 Hrs.
Correlated Color Temperature	5500 °K to 6500 °K
Color Rendering Index	>80
Beam Angle	120º / 80º x 150º
PF	>0.96
ITHD %	<10%
Driver Integrated (Yes/No)	Yes
Lumens Output	>130 lm/Watt
RF Module	UU20

ELECTRICAL SUPPLY

Frequency (Hz)	50-60 Hz
Mains voltage (VAC)	180-275 VAC

APPLICATION CONDITIONS

Operating Temperature range	-20 to +50 ºC
Nominal Temperature	25 ºC

MATERIAL PROPERTIES

Optical Material	Toughened Glass
Housing	Aluminium die cast

The Potential for New Service Development

- All Lights are connected and can be controlled from Remote for dimming and switching ON/OFF
- Status of the Lights can be remotely monitored
- CC camera for Public safety
- Traffic Management
- Wi-Fi and internet provision
- Digital signage and public communication

PART NO	LED POWER (W)	RF MODULE
LYRA-S-40	40W	Yes
LYRA-S-60	60W	Yes

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