

TECHNICAL DATA SHEET

FORM No. DSG/FR/08

Doc Classification:
Restricted-4

Division:
Lighting

Department: Design
and Development

Document Number:

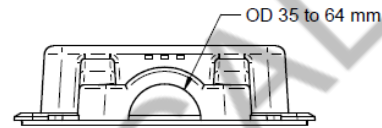
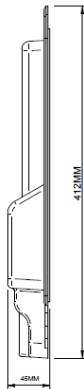
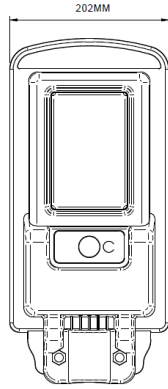
Revision:R00

Date: 19/06/2025

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Issue No. 1

Issue Date:02-05-2018



DIMENSIONS SHOWN ARE FOR INSTALLATION REFERENCES ONLY AND WILL HAVE TOLERANCE $\pm 3\text{mm}$ UNLESS OTHERWISE SPECIFIED

GENERAL:

Smart All-in-one solar street light

Integrated solar street light with Lithium Ferro Phosphate battery, solar panel and charger built into the luminaire. Optional pole mounting bracket. Microwave based motion sensor for optimizing battery autonomy.

PRODUCT DESCRIPTION	**NOMINAL LUMEN (Lm)	CCT (K)	CRI	VOLTAGE (VDC)	DISCHARGING CURRENT (A)	*APPROX WT (KG)
LDSTR-SOLM16	1600LM $\pm 10\%$	6500K	70	3.2V	2.50 A $\pm 15\%$	1.3 KG $\pm 10\%$

TITLE:	TYPE:	CUSTOMER REFERENCE:	STAMP: (Controlled Copy) Approved
PREPARED BY ajay.sharma1	CHECKED BY Prajakta.chorge	APPROVED BY Prajakta.chorge	

Note: 1 AS EFFORTS ARE ON CONSTANTLY TO IMPROVE THE DESIGN AND METHODS OF MANUFACTURE OF THE PRODUCT, THE PRODUCT SUPPLIED MAY DIFFER IN DETAIL FROM THE DATA GIVEN HERE IN
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*ONLY FOR STRUCTURAL/MOUNTING DESIGN CONSIDERATION

**RATED SYSTEM WATTAGE AND CURRENT WILL HAVE TOLERANCE AS PER IS 16104: 2012

MATERIAL SPECIFICATIONS:	
HOUSING	GREY ABS
LENS	PC, 2mm Thickness
REFLECTOR	PC, 0.3mm Thickness
BATTERY	3.2V / 12Ah

ELECTRICAL PARAMETERS:	
Battery Voltage (V)	3.2V (Nominal)
Solar Panel (V)	4.5V±5%
Load Output (V)	3V±5%
Battery Overcharge cutt-off voltage	3.6±0.3V
Battery Discharge cutt-off voltage	2.7±0.2V
Discharging Current(A) @ Full	2.50A ±15%
BACKUP HOURS	AS PER MANUAL
Lumen(lm)@Full	1600±10%@6500K

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INSTALLATION:	
Mounting System	Pole Mounting – Screws & Bolt provided for mounting
Protection	IP65

PRODUCT ORDERING CODE:	
Product Description	Ordering Code
LDSTR-SOLM16	LDSTR-SOLM16

SPARES ORDERING REFERENCE:				
Product Description				
LDSTR-SOLM16				

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MH ELECTRICAL

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