

TECHNICAL DATA SHEET

FORM No. DSG/FR/08

Doc Classification:
Restricted-4

Division:
Lighting

Department: Design
and Development

Document Number: TD09011474

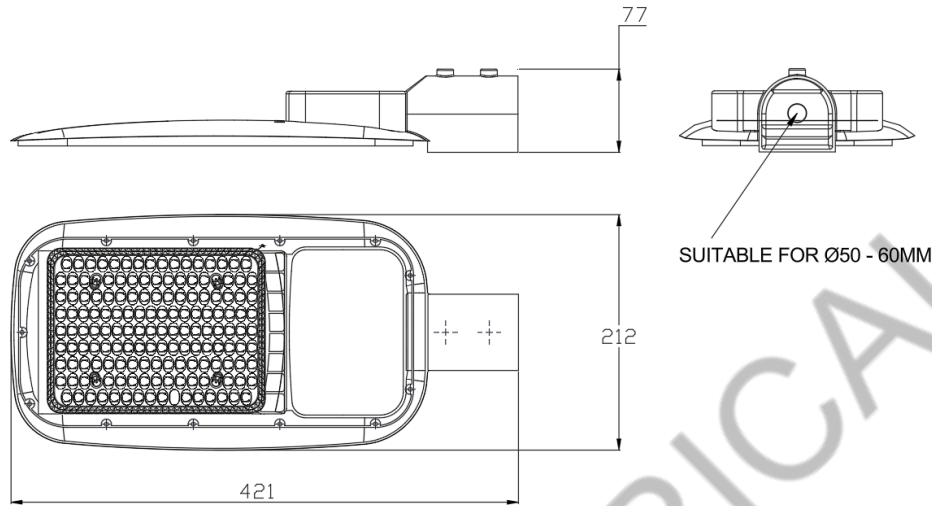
Revision: R00

Date: 26/05/2025

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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:

This street light luminaire comprises of die cast Aluminum housing powder coated and integrated IP lens diffuser. This luminaire is recommended for illuminating access roads and traffic roads, etc.

PRODUCT DESCRIPTION	**NOMINAL WATTAGE (W)	CCT (K)	CRI	VOLTAGE (V)	**MAINS CURRENT (A)	*APPROX WT (KG) $\pm 10\%$
ERP-434-90-857-HL2-LM-NTG	90	5700 ANSI	80 min	240	0.394	
Efficacy – 120 LPW***						

*ONLY FOR STRUCTURAL/MOUNTING DESIGN CONSIDERATION

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

***As per the IS 16107 Part 2- Sec1 clause no. 8.3, measured luminaire efficacy shall not be less than 90% of rated value

TITLE: 90W STREETLIGHT	TYPE: Street Lighting	CUSTOMER REFERENCE:	STAMP:
PREPARED BY Riteshkumar Doshi	CHECKED BY	APPROVED BY Ganesh Dhuri	

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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MATERIAL SPECIFICATIONS:	
Housing	Pressure die cast Aluminum powder coated in Telegrey RAL 7046
Diffuser	Integrated IP lens-PC
Internal Wiring	PVC multistrand copper wire
Cable	3 Core PVC mains cable.
Surge Arrestor	4KV inbuilt in driver.

ELECTRICAL PARAMETERS:	
Rated Voltage (V)	240
Frequency (Hz)	50 ± 3%
Operating Voltage Range (V)	120-270V
Current (A) @ 240V	0.394
Wattage (W) @240V	90
P.F.	≥ 0.95
I THD	< 10 %

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INSTALLATION:	
Mounting System	Suitable for 50 to 60mm OD mounting pipe.
Protection	IP 66

PRODUCT ORDERING CODE:	
Product Description	Ordering Code
ERP-434-90-857-HL2-LM-NTG	ELR400050-M3

SPARES ORDERING REFERENCE:				
Product Description	Driver			
ERP-434-90-857-HL2-LM-NTG	100W @700mA			

TITLE: 90W STREETLIGHT	TYPE: Street Lighting	CUSTOMER REFERENCE:	STAMP:
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