

Test Report No. : AERF/MAL/000232/2021

Date : 13/09/2021

# TEST REPORT

ON

LED Street light 12 W

Model : DRESL-001

Sr. NO : 351155123



Material Appraisal Laboratory  
ASSOCIATED ELECTRONICS  
RESEARCH FOUNDATION

C-53, Phase-II,  
NOIDA-201 305  
Distt. Gautam Budh Nagar (U.P.)

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CIN : U00000DL1981NPL011318

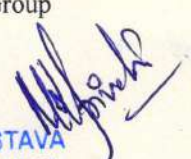
## Associated Electronics Research Foundation

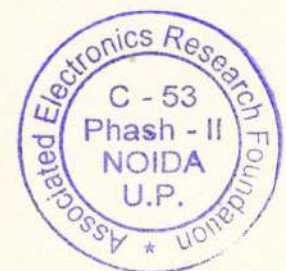
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(Recognised by DSIR, Govt. of India)  
Centre for Research & Testing  
(Laboratory in Electrical & Electronics Testing)

### Test Report

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1. INDENTOR : DREAM ELECTRONICS  
(Name & address of the organisation sending items for testing) Plot no. 256 Ecotech - 3, Extension-1, Greater Noida - 201306
2. Indentor 's reference(Date of Receipt) : Sample Submitted on 09/09/2021
3. Description and identification of the item(as provided by the indentor)
  - i) Nomenclature of the product : LED Street Light 12 W
  - ii) Model : DRESL-001
  - iii) Sr. No. : 351155123
  - iv) Value/Tolerance : 12 V DC
  - v) Manufacturer's name : DREAM ELECTRONICS
  - vi) Trade Mark/Make : DREAM ELECTRONICS
  - vii) Number of samples : Qty 1
  - viii) Condition of samples when submitted : Good
4. a) Applicable Specification : IEC LM79-08  
b) Samples were grouped and numbered as under : As per indentor  
c) Environmental Conditions : 25°C / 55% R.H.  
d) Date of Performance of Test: : 11/09/2021  
e) Discipline & Group : Electrical ( Lamps, Luminaries & Accessories )  
5. Deviation if, any : None  
Tested By\_

  
**R. K. SRIVASTAVA**  
Technical Manager  
Associated Electronics Research Foundation  
C-53, Phase-II, NOIDA U.P.-201305

  
Approved By\_   
**POOJA JAIN**  
Quality Manager  
Associated Electronics Research Foundation  
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#### 6 Tests Conducted :

| Sl. No. | Tests with Clause No.        | Parameter                     | Observation |
|---------|------------------------------|-------------------------------|-------------|
| 1.      | <b>Electrical Parameter</b>  |                               |             |
| a       | (LM-79-08)                   | Input Voltage (V)             | 12.00 V     |
| b       |                              | Input Current(I)              | 1.000 A     |
| c       | ----                         | Lamp power(W)                 | 120.00 W    |
|         |                              | Power Factor                  | 1.000       |
| 2.      | <b>Photometric Parameter</b> |                               |             |
| a)      | (LM-79-08)                   | Luminous Flux                 | 1428 lm     |
| b)      |                              | Luminaire Efficacy            | 118.97 lm/W |
| c)      |                              | Chromaticity -Coordinate      |             |
|         |                              | X- Coordinate                 | 0.3082      |
|         |                              | Y-Coordinate                  | 0.3266      |
| d)      |                              | Correlated Colour Temperature | 6777 K      |
| e)      |                              | Rendering Index : Ra          | 82          |
|         |                              |                               |             |

Tested By

**R. K. SRIVASTAVA**  
Technical Manager  
Associated Electronics Research Foundation  
C-53, Phase-II, NOIDA U.P.-201305

Approved By

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Quality Manager  
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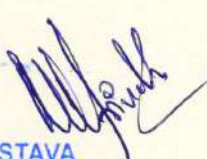
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#### 7. Remarks :

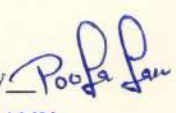
1. This Report refers to the particular item submitted for testing.
2. This Report shall not be reproduced, except in full, unless written permission for the publication of an approved abstract has been obtained from the Authorised Signatory of ASSOCIATED ELECTRONICS RESEARCH FOUNDATION, NOIDA.
3. The results reported in the report are valid at the time of and under the stated conditions of measurement.

Tested By\_\_

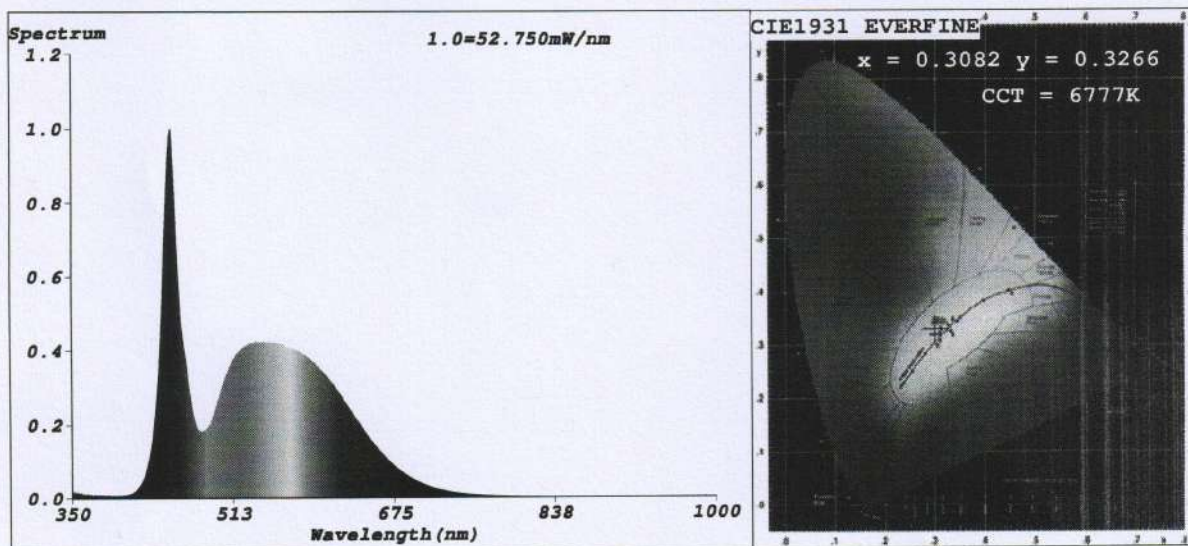
  
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Approved By\_\_

  
**POOJA JAIN**  
Quality Manager  
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## Spectrum Test Report



## Color Parameters:

 Chromaticity Coordinate:  $x=0.3082$   $y=0.3266$   $u'=0.1956$   $v'=0.4664$ 

 CCT=6777K (Duv=0.0043) Dominant WL:  $\lambda_d = 488.2\text{nm}$  Purity=9.0%

 Ratio: R=13.0% G=81.7% B=5.3%; Peak WL:  $\lambda_p = 449.7\text{nm}$  FWHM=19.5nm

Render Index: Ra=82.0 CRI=74.3 AvgR=74.4

|         |         |          |          |          |          |          |
|---------|---------|----------|----------|----------|----------|----------|
| R1 = 80 | R2 = 85 | R3 = 87  | R4 = 83  | R5 = 81  | R6 = 79  | R7 = 88  |
| R8 = 72 | R9 = 9  | R10 = 63 | R11 = 82 | R12 = 56 | R13 = 81 | R14 = 93 |
|         |         |          |          |          |          | R15 = 76 |

## Photo Parameters:

 Flux = 1428 lm Eff. : 118.97 lm/W  $\eta_e = 4.669$  W

## Electrical parameters:

V = 12.000 V I = 1.000 A P = 12.00 W PF = 1.000

LEVEL: OUT WHITE: ANSI\_6500K

 Status: Integral T = 781 ms  $I_p = 41813$  (64%)

Model: 12W STREET LIGHT  
 Tester: AERF  
 Temperature: 25Deg  
 Manufacturer: DREAMS ELECTRONICS

Number: 2  
 Date:  
 Humidity: 60%  
 Remarks: AFTER 20 MN

