



GOVERNMENT OF INDIA
ELECTRONICS REGIONAL TEST LABORATORY (WEST)
 MINISTRY OF COMMUNICATIONS & INFORMATION TECHNOLOGY
 DEPT. OF INFORMATION TECHNOLOGY, STQC DTE.



Certificate No.T-134

REPORT NO.: ERTL (W)/ 2012ENV395

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TEST REPORT

TITLE: TESTING OF TRAFFIC SINGAL RETROFIT

DATE OF ISSUE
03-DEC-2012

LABORATORY AMBIENT: Temperature: (25-35)°C

Relative Humidity (45-75)%

2.0 TEST RESULTS

Sr.NO	TEST	TEST CONDITION	TEST REQUIREMENT	OBSERVATION	REMARK
2.1	Initial Visual Check	-----	There shall be no visual damage and no presence of water inside the UUT.	No visual damage & no ingress of water observed inside the UUT	Complied
2.2	Performance check	Apply 230V AC to UUT.	UUT (LED's) shall glow.	UUT (LED's) found glowing.	Complied
2.3	IP X5 (Water Test)	As per IEC 60529 2001-02 Nozzle Internal Diameter: 6.3mm. Delivery Rate: 12.5 l/min ± 5% Duration: 3 min (minimum). Distance from Nozzle to surface: Approx. 3m.	shall be conditioned.	Conditioned	----
2.3.1	Visual Check	-----	If any water has entered, it shall not -Be sufficient to interfere with satisfactory operation of equipment -Reach live parts or windings not designed to operate when wet; -Accumulate near the cable end or enter the cable.	No ingress of water observed inside the UUT	Complied
2.3.2	Performance Check	Apply 230V AC to UUT.	UUT (LED's) shall glow.	UUT (LED's) found glowing.	Complied

UUT:Unit Under Test.





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REPORT NO.: ERTL (W)/ 2012ENV396

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TEST REPORT

TITLE: TESTING OF TRAFFIC SIGNAL RETROFIT

DATE OF ISSUE
03-DEC-2012

LABORATORY AMBIENT: Temperature: (25-35)°C

Relative Humidity (45-75)%

2.0 TEST RESULTS

Sr.NO	TEST	TEST CONDITION	TEST REQUIREMENT	OBSERVATION	REMARK
2.1	Initial Visual Check	-----	There shall be no visual damage and no presence of dust inside the UUT.	No visual damage & no ingress of dust observed inside the UUT	Complied
2.2	Performance check	Apply 230V AC to UUT.	UUT (LED's) shall glow.	UUT (LED's) found glowing.	Complied
2.3	IP6X (Dust Test)	As per IEC 60529 2001-02 Using Talcum powder. Temperature: Ambient Duration: 8 hr.	shall be conditioned	Conditioned	---
2.3.1	Visual Check	-----	There shall be no deposit of dust inside the UUT.	No dust observed inside the UUT	Complied
2.3.2	Performance Check	Apply 230V AC to UUT.	UUT (LED's) shall glow.	UUT (LED's) found glowing.	Complied

UUT: Unit under Test.

REPORT REVIEWED BY

REPORT APPROVED BY

REPORT ISSUED BY



N.V.Chavan
Head-Operations, Env. Lab

R.C.Thakur
Group-Director

S.Y.Dani
OIC/Head-Operations, CSC