

<b>Prüfbericht-Nr.:</b> <i>Test Report No.:</i>	17048787 001	<b>Auftrags-Nr.:</b> <i>Order No.:</i>	164036493	Seite 1 von 5 <i>Page 1 of 5</i>
<b>Kunden-Referenz-Nr.:</b> <i>Client Reference No.:</i>	N/A	<b>Auftragsdatum:</b> <i>Order date:</i>	2015-05-18	
<b>Auftraggeber:</b> <i>Client:</i>	IYSERT ENERGY RESEARCH PRIVATE LIMITED D-64 KARHANI , KALWAR ROAD , JAIPUR -302012 .(RAJASTHAN) INDIA			
<b>Prüfgegenstand:</b> <i>Test item:</i>	Integrated Solar Street Light			
<b>Bezeichnung / Typ-Nr.:</b> <i>Identification / Type No.:</i>	See page 2.			
<b>Auftrags-Inhalt:</b> <i>Order content:</i>	Type examination			
<b>Prüfgrundlage:</b> <i>Test specification:</i>	IP65 test according to Clause 9.2.2, Clause 9.2.6 of EN 60598-1:2008+A11			
<b>Wareneingangsdatum:</b> <i>Date of receipt:</i>	2015-05-18			
<b>Prüfmuster-Nr.:</b> <i>Test sample No.:</i>	A000200848 001-004			
<b>Prüfzeitraum:</b> <i>Testing period:</i>	2015-05-18 to 2015-06-09			
<b>Ort der Prüfung:</b> <i>Place of testing:</i>	See page 2.			
<b>Prüflaboratorium:</b> <i>Testing laboratory:</i>	TÜV Rheinland (Shenzhen) Co., Ltd.			
<b>Prüfergebnis*:</b> <i>Test result*:</i>	Pass			
<b>geprüft von / tested by:</b>	<b>kontrolliert von / reviewed by:</b>			
2015-06-10 Jack Li / Engineer 	2015-06-10 Winston Chen / Reviewer 			
<b>Datum</b> / <i>Date</i>	<b>Name / Stellung</b> / <i>Name / Position</i>	<b>Unterschrift</b> / <i>Signature</i>	<b>Datum</b> / <i>Date</i>	<b>Name / Stellung</b> / <i>Name / Position</i>
<b>Sonstiges / Other:</b>				
1. This report is issued according to client's requirement. 2. Attachment 1: 1 page of equipment list.				
<b>Zustand des Prüfgegenstandes bei Anlieferung:</b> <i>Condition of the test item at delivery:</i>		Prüfmuster vollständig und unbeschädigt <i>Test item complete and undamaged</i>		
<p>* Legende: 1 = sehr gut      2 = gut      3 = befriedigend      4 = ausreichend      5 = mangelhaft  P(ass) = entspricht o.g. Prüfgrundlage(n)      F(all) = entspricht nicht o.g. Prüfgrundlage(n)      N/A = nicht anwendbar      N/T = nicht getestet</p> <p>Legend: 1 = very good      2 = good      3 = satisfactory      4 = sufficient      5 = poor  P(ass) = passed a.m. test specification(s)      F(all) = failed a.m. test specification(s)      N/A = not applicable      N/T = not tested</p>				
<p>Dieser Prüfbericht bezieht sich nur auf das o.g. Prüfmuster und darf ohne Genehmigung der Prüfstelle nicht auszugsweise vervielfältigt werden. Dieser Bericht berechtigt nicht zur Verwendung eines Prüfzeichens.  <i>This test report only relates to the a. m. test sample. Without permission of the test center this test report is not permitted to be duplicated in extracts. This test report does not entitle to carry any test mark.</i></p>				

<b>Test item</b>					
Description :	LED Street Light				
Trademark :	N/A				
Model and/or type reference.....:	See below table.				
Manufacturer.....:	Same as client.				
Rating(s).....:	See below table.				
<b>Test case verdicts</b>					
Test case does not apply to the test object..... :	N/A				
Test item does meet the requirement..... :	P(ass)				
Test item does not meet the requirement..... :	F(ail)				
..... :					
<b>Testing</b>					
Date of receipt of test item..... :	See cover page.				
Date(s) of performance of test..... :	See cover page.				
..... :					
<b>General remarks</b>					
This test report shall not be reproduced except in full without the written approval of the testing laboratory.					
The test results presented in this report relate only to the item tested.					
“(see remark #)” refers to a remark appended to the report.					
“(see appended table)” refers to a table appended to the report.					
Throughout this report a comma is used as the decimal separator.					
<b>Remark:</b>					
Product : Integrated Solar Street Light					
Rating: DC12,8V, Max.10A					
Model	CSSTY-205	CSSTY-208	CSSTY-212	CSSTY-215	CSSTY-220
Power	5W	8W	12W	15W	20W
Model	CSSTY-225	CSSTY-230	CSSTY-240	CSSTY-250	CSSTY-260
Power	25W	30W	40W	50W	60W
Remark:					
1. This report is only for IP65 test.					
2. Tests were performed on model CSSTY-215 and CSSTY-260.					
3. Test condition: ta=25°C, R.H.=70%.					
4. For models ≤15W, circular LED module used in luminaire; for models >15W, quadrate LED module used in luminaire.					
5. 15W model has infrared sensor and 60W model does not contain this component.					
6. All models have the same seal structure. Except for the above differences, models are only different in dimension and power.					
Test location:					
Alpha Product Testing Laboratory					
Building B, ast Area of Nanchang Second Industrial Zone, Gushu 2nd Road, Bao'an District, Shenzhen 518126, P.R. China					

Clause	Requirement + Test	Result - Remark	Verdict
<b>9.2</b>	<b>Tests for ingress of dust, solid objects and moisture</b>		P
	Portable luminaires, wired as in normal use, shall be placed in the most unfavorable position of normal use.		N/A
	Fixing screws of covers, other than hand-operated fixing screws of glass covers, shall be tightened with a torque equal to two-thirds of that specified in Table 4.1.		P
9.2.1	Dust-tight luminaires tested in a dust chamber (For IP 6X)		P
	Dust-tight luminaires (first characteristic IP numeral 6) shall be tested in a dust chamber similar to that shown in Figure 6, in which talcum powder is maintained in suspension by an air current. The chamber shall contain 2 kg of powder for every cubic metre of its volume. The talcum powder used shall be able to pass through a square-meshed sieve whose nominal wire diameter is 50 µm and whose nominal free distance between wires is 75 µm. It shall not have been used for more than 20 tests.		P
	no deposit of talcum powder inside enclosures for dust-tight luminaires		P
9.2.5	Jet-proof luminaires test sprayed(for IPX5)		P
	Before the tests for the second characteristic numeral, with the exception of IPX8, the luminaire complete with lamp(s) shall be switched on and brought to a stable operating temperature at rated voltage.		P
	The water for the tests shall be at a temperature of 15 °C ± 10 °C.		P
	Jet-proof luminaires (second characteristic IP numeral 5) are switched off and immediately subjected to a water jet for 15 min from all directions by means of a hose having a nozzle with the shape and dimensions shown in Figure 8. The nozzle shall be held 3 m away the sample.		P
	The water pressure at the nozzle shall be adjusted to achieve a water delivery rate of 12,5 l/min ± 5 % (approximately 30 kN/m <sup>2</sup> ).		P
	For luminaires without drain holes, there shall be no water entry. NOTE: Care should be taken not to mistake condensation for water entry.	No water entry	P
	No damage, for example, cracking or breakage of a protective shield or glass envelope, such that safety or protection against the ingress of moisture is impaired.	No damage	P
	Electric strength test		P
	AC 500 V (1min) is applied between current-carrying parts and mounting surface.		P
	There is no flashover or breakdown occurred.	No flashover or breakdown	P

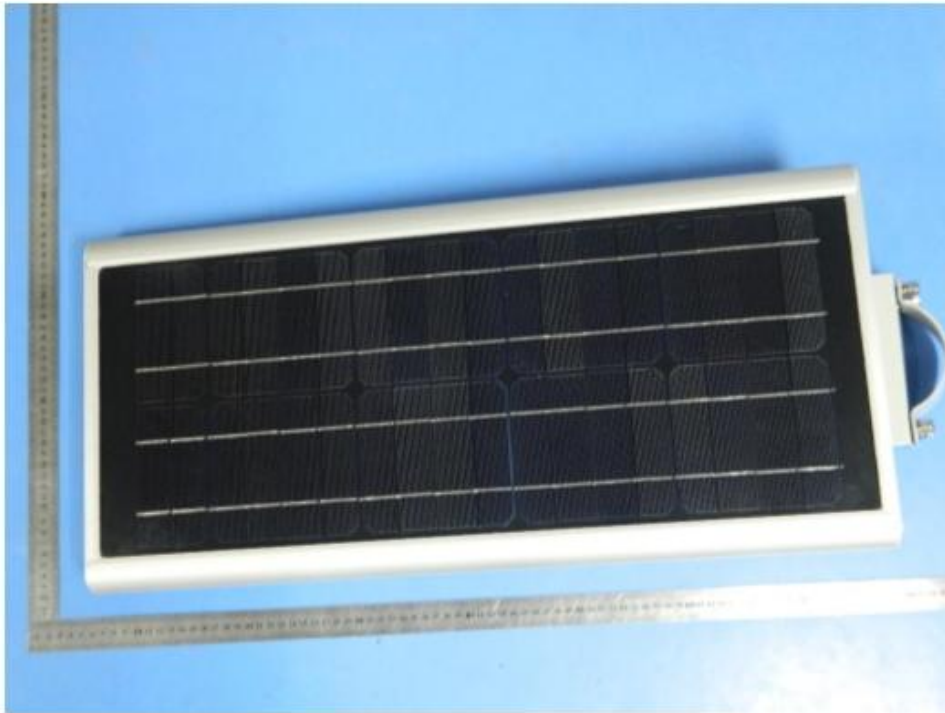
**Photo**



Picture 1: CSSTY-260



Picture 2: CSSTY-260



Picture 3: CSSTY-215



Picture 4: CSSTY-215

**=== End of report ===**