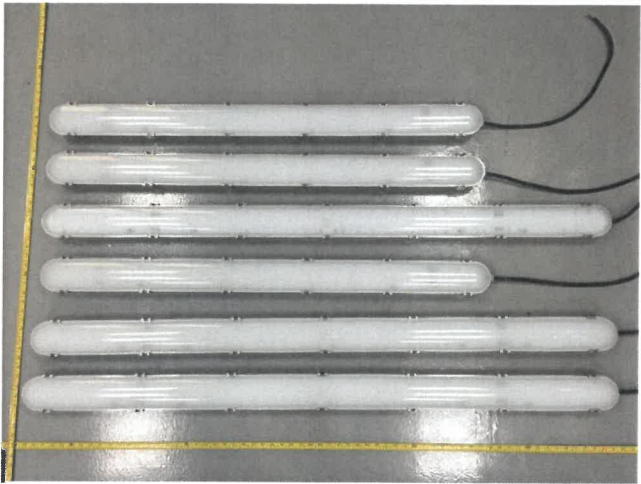


Prüfbericht-Nr.: <i>Test Report No.:</i>	50087525 001	Auftrags-Nr.: <i>Order No.:</i>	1160033717	Seite 1 von 4 Page 1 of 4
Kunden-Referenz-Nr.: <i>Client Reference No.:</i>	N/A	Auftragsdatum: <i>Order date:</i>	21.03.2017	
Auftraggeber: <i>Client:</i>	Cixi Yuanhui Lighting Electric Co., Ltd. Zhejiang Province 315331, P.R. China	Industrial Zone, Sanbei Town, Cixi City,		
Prüfgegenstand: <i>Test item:</i>	LED Waterproof Luminaire			
Bezeichnung / Typ-Nr.: <i>Identification / Type No.:</i>	YL08-20W-650, YL08-20W-1220, YL08-30W-1220, YL08-36W-1220, YL08-45W-1220, YL08-36W-1560, YL08-54W-1560, YL08-65W-1560			
Auftrags-Inhalt: <i>Order content:</i>	Testing report			
Prüfgrundlage: <i>Test specification:</i>	Test according to clause 9.2 of EN 60598-1:2015			
Wareneingangsdatum: <i>Date of receipt:</i>	21.03.2017			
Prüfmuster-Nr.: <i>Test sample No.:</i>	A000517627			
Prüfzeitraum: <i>Testing period:</i>	01.04.2017 - 23.05.2017			
Ort der Prüfung: <i>Place of testing:</i>	TÜV Rheinland / CCIC (Ningbo) Co., Ltd.			
Prüflaboratorium: <i>Testing laboratory:</i>	TÜV Rheinland / CCIC (Ningbo) Co., Ltd.			
Prüfergebnis*: <i>Test result*:</i>	Pass			
geprüft von / tested by:		kontrolliert von / reviewed by:		
26.06.2017	Brent Zhang / PE	2017-06-26	Heiko Li / TC	
<i>Datum</i> Date	<i>Name / Stellung</i> Name / Position	<i>Unterschrift</i> Signature	<i>Datum</i> Date	<i>Unterschrift</i> Signature
Sonstiges / Other: According to the client's requirement, the LED Waterproof Luminaire was only subjected the IP66 test. The test report only includes the requirements from clause 9.2 of EN 60598-1:2015. Photo of tested samples (see page 4). Attachment 1: Measuring and testing equipment list (1 page).				
Zustand des Prüfgegenstandes bei Anlieferung: <i>Condition of the test item at delivery:</i>		Prüfmuster vollständig und unbeschädigt <i>Test item complete and undamaged</i>		
* Legende: 1 = sehr gut 2 = gut 3 = befriedigend 4 = ausreichend 5 = mangelhaft P(ass) = entspricht o.g. Prüfgrundlage(n) F(ail) = entspricht nicht o.g. Prüfgrundlage(n) N/A = nicht anwendbar N/T = nicht getestet Legend: 1 = very good 2 = good 3 = satisfactory 4 = sufficient 5 = poor P(ass) = passed a.m. test specification(s) F(ail) = failed a.m. test specification(s) N/A = not applicable N/T = not tested				
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>				

v04

Summary of testing:

According to the client's requirement, the LED Waterproof Luminaire was only subjected the IP66 test. The test report only includes the requirements from clause 9.2 of EN 60598-1:2015

RESULT: Passed

Tests performed (name of test and test clause):

According to client requirement, only do IP66 testing:
 Cl.9.2.2 Dust-tight luminaires (IP6X) testing
 Cl 9.2.7 Powerful water jet-proof (IPX6) testing.
 The testing sample was mounted as normal using.

Testing location:

TÜV Rheinland / CCIC (Ningbo) Co., Ltd.
 3F, Building C13, R&D Park, No.32 Lane 299
 Guanghua Road, National Hi-Tech Zone, Ningbo
 315048, P.R. China.

General product information:

The testing appliance is fixed LED Waterproof Luminaire with non-replaceable LED lighting source, details see below table:

Lamp Type	Rated voltage	Rated wattage	Degree of protection	Protection class
YL08-20W-650	AC 220-240V, 50/60Hz	20W	IP66	Class I
YL08-20W-1220				
YL08-30W-1220		30W		
YL08-36W-1220				
YL08-36W-1560		36W		
YL08-45W-1220				
YL08-54W-1560		45W		
YL08-65W-1560				
		54W		
		65W		

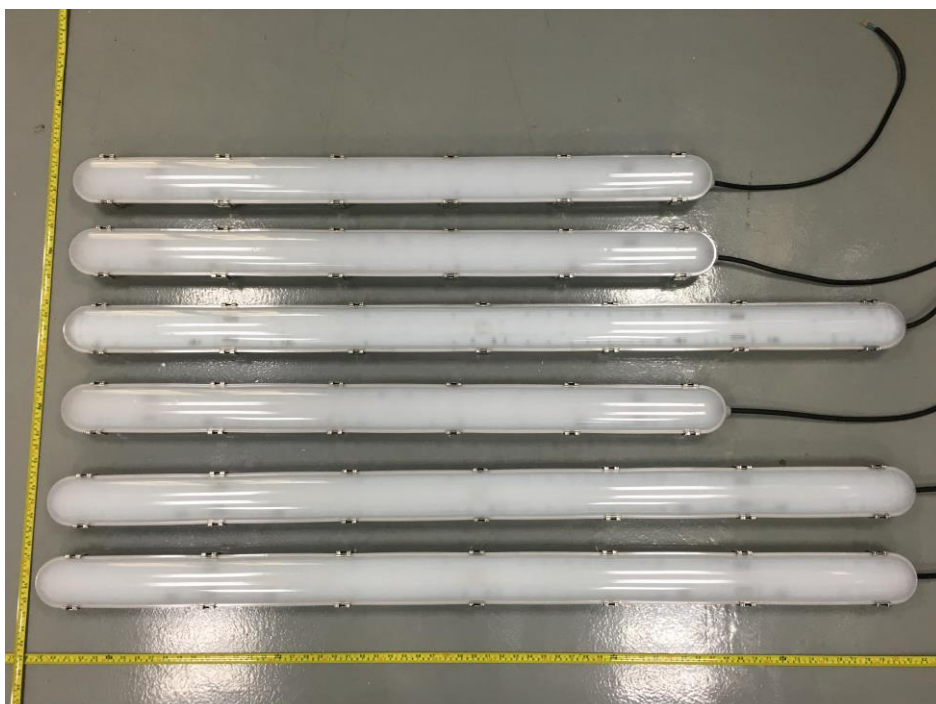
EN 60598-1			
Clause	Requirement + Test	Result - Remark	Verdict
9	RESISTANCE TO DUST, SOLID OBJECTS AND MOISTURE		P
9.2	Tests for ingress of dust, solid objects and moisture:		—
	- classification according to IP..... :	IP66	—
	- mounting position during test..... :	In the most unfavourable position of normal use	—
	- fixing screws tightened; torque (Nm)..... :	--	—
	- tests according to clauses..... :	Cl.9.2.2 & Cl.9.2.7	—
	- electric strength test afterwards		P
	a) no deposit in dust-proof luminaire		N/A
	b) no talcum in dust-tight luminaire		P
	c) no trace of water on current-carrying parts or on insulation where it could become a hazard		P
	d) i) For luminaires without drain holes – no water entry		P
	d) ii) For luminaires with drain holes – no hazardous water entry		N/A
	e) no water in watertight luminaire		N/A
	f) no contact with live parts (IP 2X)		N/A
	f) no entry into enclosure (IP 3X and IP 4X)		N/A
	f) no contact with live parts (IP3X and IP4X)		N/A
	g) no trace of water on part of lamp requiring protection from splashing water		N/A
	h) no damage of protective shield or glass envelope		P
9.3	Humidity test 48 h		P

EN 60598-1			
Clause	Requirement + Test	Result - Remark	Verdict

Photo of test samples:



Type designation:
YL08-20W-650



Type designation
from top to bottom:
YL08-20W-1220,
YL08-36W-1220,
YL08-36W-1560,
YL08-45W-1220,
YL08-54W-1560,
YL08-65W-1560

Measuring and Testing Equipment List



Used MTE

Report Number: 50087525 001

Description	MTE Type/model	Internal ID	Next Calibration (DD/MM/YY)
<input checked="" type="checkbox"/> IPX3, X4; X5, X6;	KXT1323	1.051X	22/03/2018
<input checked="" type="checkbox"/> IP5X6X	XH351	1.169	15/06/2018
<input checked="" type="checkbox"/> Temp. & Humidity recorder	175H1	1.215C	20/07/2017
<input checked="" type="checkbox"/> Walk-in Climate Chamber	SETH-Z-130L	1.357B	26/07/2017
Measurement Uncertainty Reference Data			
Air or water Pressure measurement: ± 0.003 Mpa			
Humidity(175H1): $\pm 2.32\%$ RH (2-80%RH)			

Signature: Spak HanDate: 2017.05.23