



# QUALITY TEST RESULT

NO	DATE	DEP	CATEGORY	MODEL	QTY	LIST	RESULT	REMARK
1	14-10-14	RND	NEW DEVELOPMENT	HEAVY DUTY BEACON QUALITY TEST	2	POWER CONSUMPTION	PASS	
2						ON-OFF	PASS	
3						THERMAL SHOCK	PASS	
4						HIGH TEMP & HUMID	PASS	
5						SPRINKLING WATER (IP 69K)	PASS	
6						WATER PROOF (IP68)	PASS	
7						VIBRATION	PASS	

# QUALITY TEST REPORT

CUSTOMER	-	REQUESTED BY	ENGINEERING DEP.	WRITTEN	REVIEWD	APPROVED
MODEL	HEAVY DUTY BEACON	SANGMIN JUNG	AMBER	INTERNALLY PASSED		
PART NAME	ASS'Y					
TEST DATE	2014-10-14	REPORT DATE	2014-10-27	RESULT	<b>PASS</b>	
CLASS	M.S	WRITTEN BY	QC / JSLEE			
TEST NAME	On-Off Test			LOT NO.		
PURPOSE	RELIABILITY ASSURANCE OF NEW DEVELOPED PRODUCT					
TEST METHOD	PROVIDING VOLTAGE ACCORDING TO EACH OBJECTS' SPECIFICATION CONDUCT ON-OFF TEST 20,000 TIMES (TEST TOOL SPEC 6.3A, AFTER ON-OFF TEST 20,000 TIMES, 40A POWER IN AND CHECK AGAIN)					
CRITERION	NO DIMMING OR FLICKERING OR DECREASED OUTPUT IS TO BE OBSERVED					
TEST RESULT	PASS					
REMARK						

TEST PROCCES (PICTURES)



# QUALITY TEST REPORT

CUSTOMER	-	REQUESTED BY	ENGINEERING DEP.	WRITTEN	REVIEWD	APPROVED
MODEL	HEAVY DUTY BEACON		SANGMIN JUNG	INTERNALLY PASSED		
PART NAME	ASS'Y	COL/VER	AMBER			
TEST DATE	2014-10-14	REPORT DATE	2014-10-27	RESULT	<b>PASS</b>	
CLASS	M.S	WRITTEN BY	QC / JSLEE			
TEST NAME	POWER CONSUMPTION				LOT NO.	
PURPOSE	RELIABILITY ASSURANCE OF NEW DEVELOPED PRODUCT					
TEST METHOD	PROVIDING VOLTAGE ACCORDING TO OBJECT'S SPECIFICATION CHECK THE WATTAGE SHOWN ON POWER METER					
CRITERION	-					
TEST RESULT	AT 9~32V 8.3W~9.5W					
REMARK						

■ TEST PROCCSS (PICTURES)



# QUALITY TEST REPORT

CUSTOMER	-		ENGINEERING DEP.		WRITTEN	REVIEWD	APPROVED
MODEL	HEAVY DUTY BEACON	REQUESTED BY	SANGMIN JUNG	INTERNALLY PASSED			
PART NAME	ASS'Y	COL/VER	AMBER				
TEST DATE	2014-10-14	REPORT DATE	2014-10-27	RESULT	<b>PASS</b>		
CLASS	M.S	WRITTEN BY	QC / JSLEE				
TEST NAME	THERMAL SHOCK				LOT NO.		
PURPOSE	RELIABILITY ASSURANCE OF NEW DEVELOPED PRODUCT						
TEST METHOD	PUT PRODUCT IN THE CHAMBER WITH POWRED ON, LEAVE FOR 30MIN AT THE CONDITION, $-35 \pm 2^{\circ}\text{C}$ CHANGE CONDITION TO $80^{\circ}\text{C} \pm 2$ AND LEAVE FOR 30 MINT ABOVE IS ONE CYCLE AND REPEAT 72 TIMES (72HR) CHECK THE PRODUCT						
CRITERION	NO PHENOMENON SUCH AS MOISTURE, WATER DROP AND PERCOLATED WATER IS TO BE OBSERVED						
TEST RESULT	PASS						
REMARK							

TEST PROCCES (PICTURES)



# QUALITY TEST REPORT

CUSTOMER	-		ENGINEERING DEP.		WRITTEN	REVIEWD	APPROVED
MODEL	HEAVY DUTY BEACON	REQUESTED BY	SANGMIN JUNG	INTERNALLY PASSED			
PART NAME	ASS'Y	COL/VER	AMBER				
TEST DATE	2014-10-14	REPORT DATE	2014-10-27	RESULT	<b>PASS</b>		
CLASS	M.S	WRITTEN BY	QC / JSLEE				
TEST NAME	HIGH TEMP&HUMIDITY				LOT NO.		
PURPOSE	RELIABILITY ASSURANCE OF NEW DEVELOPED PRODUCT						
TEST METHOD	PROVIDING 24V, LEAVE PRODUCTS AT 60°C (±2°C) TEMPERATURE, AND HUMIDITY 94%(±4)% FOR 72HR AND CHECK THE PRODUCTS FOR DEFECTS						
CRITERION	NO PHENOMENON SUCH AS MOISTURE, WATER DROP AND PERCOLATED WATER, DECREASED OUTPUT IS TO BE OBSERVED						
TEST RESULT	PASS						
REMARK							

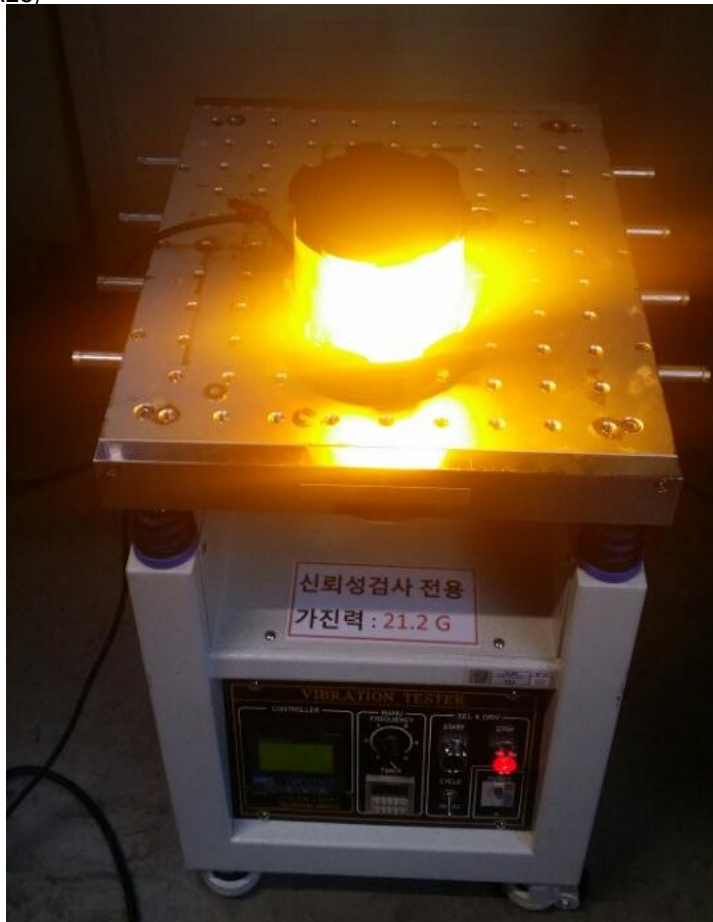
▣ TEST PROCCSS (PICTURES)



# QUALITY TEST REPORT

CUSTOMER	-	ENGINEERING DEP.		WRITTEN	REVIEWD	APPROVED
MODEL	HEAVY DUTY BEACON	REQUESTED BY	SANGMIN JUNG	INTERNALLY PASSED		
PART NAME	ASS'Y	COL/VER	AMBER			
TEST DATE	2014-10-14	REPORT DATE	2014-10-27	RESULT	<b>PASS</b>	
CLASS	M.S	WRITTEN BY	QC / JSLEE			
TEST NAME	VIBRATION			LOT NO.		
PURPOSE	RELIABILITY ASSURANCE OF NEW DEVELOPED PRODUCT					
TEST METHOD	<p>① VIBRATION 21.2G, HAVE A TEST FOR 2HR → FREQUENCY 60HZ / 50 DEGREE</p> <p>2. VIBRATION 08.7 08.7G , HAVE A TEST FOR 2HR → FREQUENCY 30HZ / 65 DEGREE</p>					
CRITERION	NO DAMAGE OBSERVED SUCH AS LOOSEN SCREW, CRACKED BRACKET, GRINDING HOUSING WHEN POWER IS ON, NO DIMMING OR FLICKERING OR DECREASED OUTPUT IS TO BE OBSERVED					
TEST RESULT	OK					
REMARK						

▣ TEST PROCCSS (PICTURES)



# QUALITY TEST REPORT

CUSTOMER	-		ENGINEERING DEP.		WRITTEN	REVIEWD	APPROVED
MODEL	HEAVY DUTY BEACON	REQUESTED BY	SANGMIN JUNG	INTERNALLY PASSED			
PART NAME	ASS'Y	COL/VER	AMBER				
TEST DATE	2014-10-14	REPORT DATE	2014-10-27	RESULT	<b>PASS</b>		
CLASS	M.S	WRITTEN BY	QC / JSLEE				
TEST NAME	WATER PROOF (IP68)				LOT NO.		
PURPOSE	RELIABILITY ASSURANCE OF NEW DEVELOPED PRODUCT						
TEST METHOD	POWER THE PRODUCT ON FOR 1HR, MAKING THE HOUSING HEATED PUT THE PRODUCT ON THE TUB FOR 30 MINTS AND SEE ANY WATER PASSED THROUGH						
CRITERION	NO PHENOMENON SUCH AS MOISTURE, WATER DROP AND PERCOLATED WATER IS TO BE OBSERVED						
TEST RESULT							
REMARK							

▣ TEST PROCCSS (PICTURES)



# QUALITY TEST REPORT

CUSTOMER	-		ENGINEERING DEP.		WRITTEN	REVIEWD	APPROVED
MODEL	HEAVY DUTY BEACON	REQUESTED BY	SANGMIN JUNG	INTERNALLY PASSED			
PART NAME	ASS'Y	COL/VER	AMBER				
TEST DATE	2014-10-14	REPORT DATE	2014-10-27	RESULT	<b>PASS</b>		
CLASS	M.S	WRITTEN BY	QC / JSLEE				
TEST NAME	IP 69K				LOT NO.		
PURPOSE	RELIABILITY ASSURANCE OF NEW DEVELOPED PRODUCT						
TEST METHOD	30 SEC. FOR EACH NOZZLE / TEMP : -5~+80℃ / FLOW : 14~16L/Min PRESSURE : 80~100 bar / DISTANCE : 5~10Cm / ANGLE : 0°, 40° 60°, 90° PRODUCT IS SITTING ON TURNTABLE, ROTATING 5rpm						
CRITERION	NO PHENOMENON SUCH AS MOISTURE, WATER DROP AND PERCOLATED WATER IS TO BE OBSERVED						
TEST RESULT							
REMARK							

▣ TEST PROCCESS (PICTURES)

