



QUALITY TEST RESULT

NO	DATE	REQUESTED BY	CATEGORY	MODEL	QTY	LIST	RESULT	REMARK
1	17-4-28	R&D	SAMPLE	J-BOX LIGHT	3	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	R&D	WRITTEN	REVIEWD	APPROVED
MODEL	J-BOX LIGHT	Jeonghwan Kim	GRAY	INTERNALLY PASSED		
PART NAME	ASS'Y					
TEST DATE	2017-04-18 ~ 2017-04-28	REPORT DATE	2017-04-28		RESULT	PASS
CLASS	Sample	WRITTEN BY	QC TEAM / Man Wook Han			
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 100 ~ 240 Vac : 50 W					
REMARK	-					

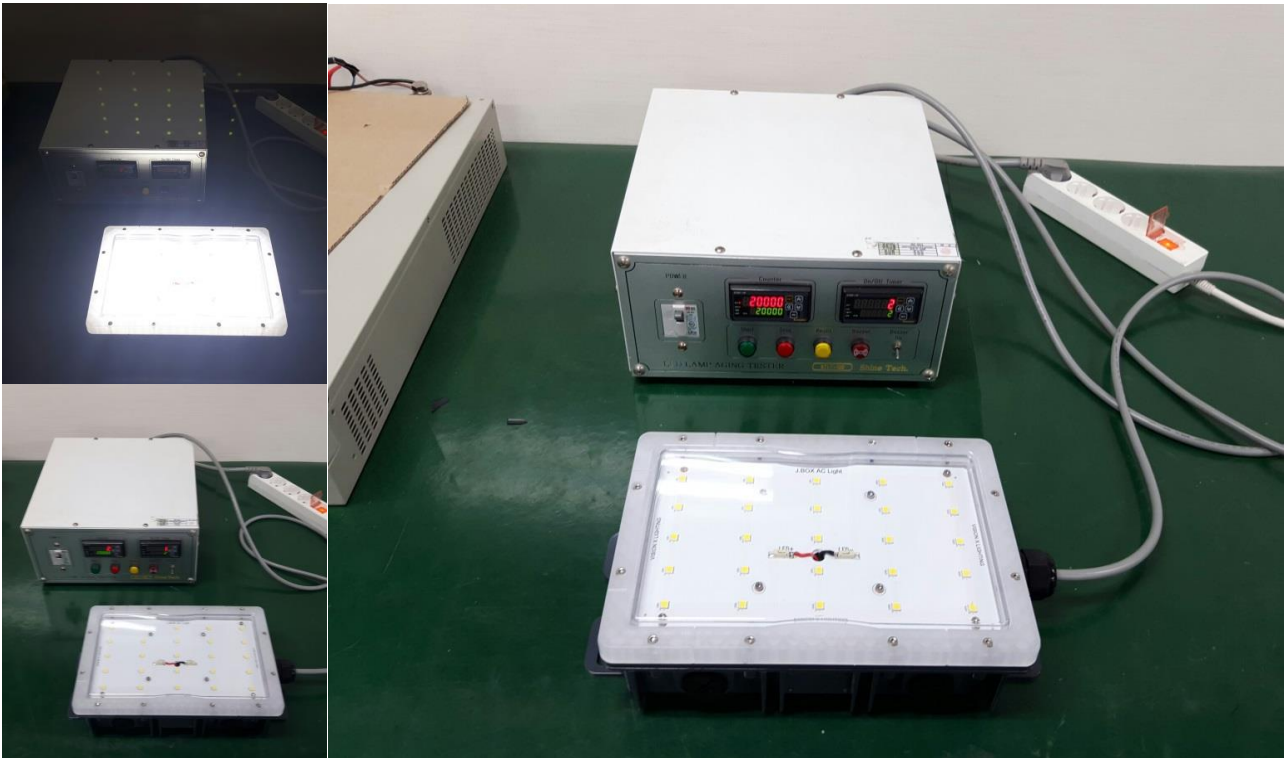
■ TEST PROCCSS (PICTURES)



QUALITY TEST REPORT

CUSTOMER	-	REQUESTED BY	R&D	WRITTEN	REVIEWD	APPROVED
MODEL	J-BOX LIGHT	REQUESTED BY	Jeonghwan Kim	INTERNALLY PASSED		
PART NAME	ASS'Y	COLOR	GRAY			
TEST DATE	2017-04-18 ~ 2017-04-28	REPORT DATE	2017-04-28	RESULT	PASS	
CLASS	Sample	WRITTEN BY	QC TEAM / Man Wook Han			
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	-					

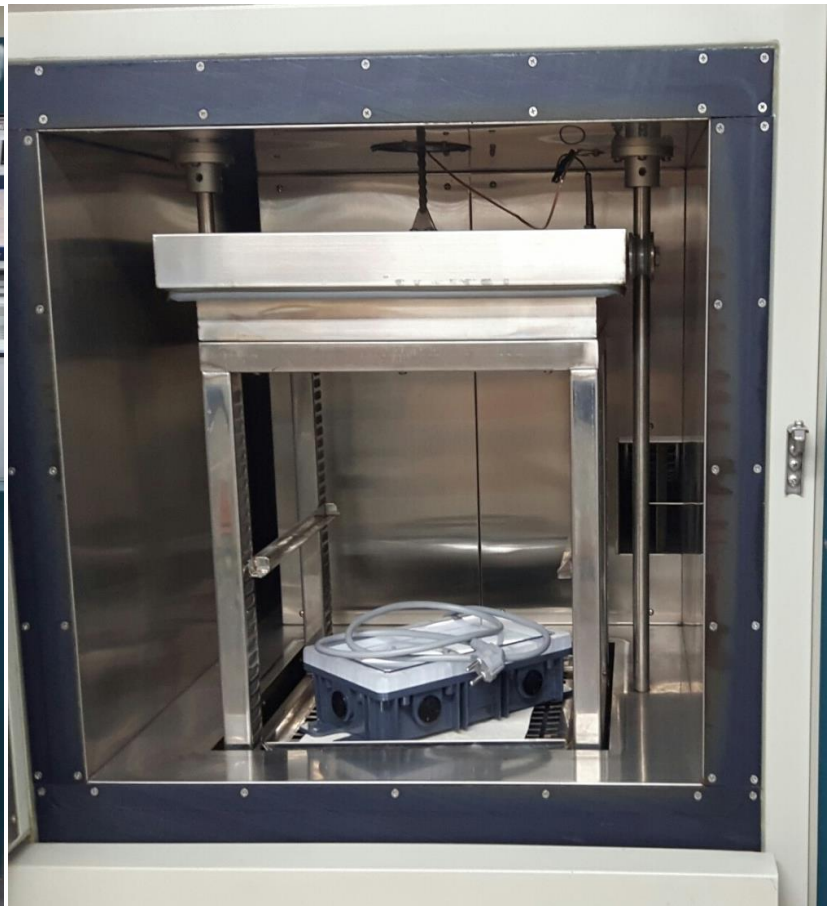
▣ TEST PROCCSS (PICTURES)



QUALITY TEST REPORT

CUSTOMER	-	REQUESTED BY	R&D	WRITTEN	REVIEWD	APPROVED
MODEL	J-BOX LIGHT		Jeonghwan Kim	INTERNALLY PASSED		
PART NAME	ASS'Y	COLOR	GRAY			
TEST DATE	2017-04-18 ~ 2017-04-28	REPORT DATE	2017-04-28	RESULT	PASS	
CLASS	Sample	WRITTEN BY	QC TEAM / Man Wook Han			
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 PROCCSS (PICTURES)



QUALITY TEST REPORT

CUSTOMER	-	REQUESTED BY	R&D		WRITTEN	REVIEWD	APPROVED
MODEL	J-BOX LIGHT		Jeonghwan Kim		INTERNALLY PASSED		
PART NAME	ASS'Y	COLOR	GRAY				
TEST DATE	2017-04-18 ~ 2017-04-28	REPORT DATE	2017-04-28		RESULT	PASS	
CLASS	Sample	WRITTEN BY	QC TEAM / Man Wook Han				
TEST NAME	HIGH TEMP&HUMIDITY				LOT NO.		
PURPOSE	RELIABILITY ASSURANCE OF NEW DEVELOPED PRODUCT						
TEST METHOD	PROVIDING 110Vac, LEAVE PRODUCTS AT 60℃ (±2℃) 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	-	REQUESTED BY	R&D	WRITTEN	REVIEWD	APPROVED
MODEL	J-BOX LIGHT	REQUESTED BY	Jeonghwan Kim	INTERNALLY PASSED		
PART NAME	ASSY		COLOR			
TEST DATE	2017-04-18 ~ 2017-04-28	REPORT DATE	2017-04-28		RESULT	PASS
CLASS	Sample	WRITTEN BY	QC TEAM / Man Wook Han			
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	PASS					
REMARK	-					

■ TEST PROCCSS (PICTURES)



QUALITY TEST REPORT

CUSTOMER	-	REQUESTED BY	R&D	WRITTEN	REVIEWD	APPROVED
MODEL	J-BOX LIGHT		Jeonghwan Kim	INTERNALLY PASSED		
PART NAME	ASS'Y		COLOR			
TEST DATE	2017-04-18 ~ 2017-04-28	REPORT DATE	2017-04-28	RESULT	PASS	
CLASS	Sample	WRITTEN BY	QC TEAM / Man Wook Han			
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	PASS					
REMARK	-					

▣ TEST PROCCSS (PICTURES)



QUALITY TEST REPORT

CUSTOMER	-	REQUESTED BY	R&D	WRITTEN	REVIEWD	APPROVED
MODEL	J-BOX LIGHT		Jeonghwan Kim	INTERNALLY PASSED		
PART NAME	ASS'Y	COLOR	GRAY			
TEST DATE	2017-04-18 ~ 2017-04-28	REPORT DATE	2017-04-28	RESULT	PASS	
CLASS	Sample	WRITTEN BY	QC TEAM / Man Wook Han			
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 / 35 DEGREE</p> <p>2. VIBRATION 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	PASS					
REMARK	-					

▣ TEST PROCCSS (PICTURES)

