



Under Development	
Mass production	



Client Name

\_\_\_\_\_

Client P/N


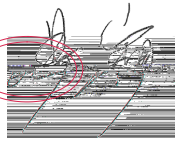
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Product P/N

\_\_\_\_\_

Sending Date:

\_\_\_\_\_

Approval	Audit	Approval	Audit	Confirmation
				
Qualified	Disqualified	DATE:		

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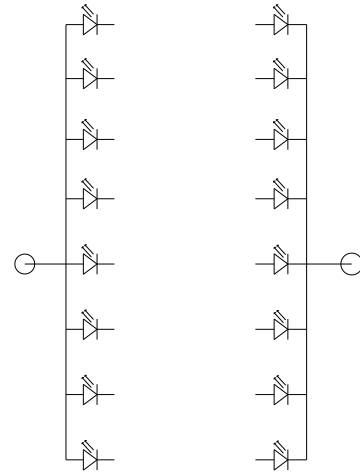
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LM 003



OBSERVE PRECAUTIONS  
FOR HANDLING  
ELECTROSTATIC  
DISCHARGE  
SENSITIVE  
DEVICES

- Dimension 19.0mm×19.0mm×1.6mm  
19.0mm×19.0mm×1.6mm
- CRI: Ra 80                      80
- Wide viewing angle : 120°                      120°
- RoHS compliant    ROHS
- sulphation corrosion resistance
- Manual Soldering
  
- Down light
- Spot light



Tolerance unless otherwise specified:  $\pm 0.3\text{mm}$ .  
 $\pm 0.3$

Input power range	Pi	16	26	46	W
operating current range	IF	480	700	1200	mA
Junction Temperature	Tj	120			°C
Operating Temperature Range	Top	-35 °C To +85 °C			
Storage Temperature Range	Tstg	-40 °C To +85 °C			
Lead Soldering Temperature*	T <sub>SOL</sub>	Max. 350 for 5sec Max.			

Notes for Table:

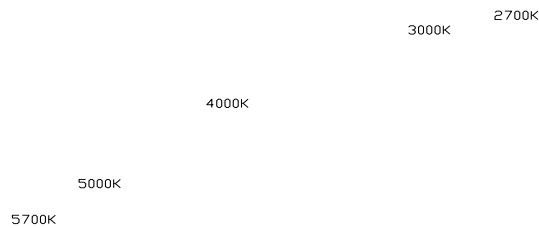
1. The temperature of Aluminum PCB do not exceed **85** If the input power reach 80% max Pi, the temperature of Aluminum PCB should be control below **75**

2. When hand soldering, keep the temperature of iron below less **350** less than **5seconds**

**350** , **5**

3. D.C. Current :  $T_j = T_s + R_j \cdot I \cdot P_i$

		IF=700mA	34	36	40	—	V
	Φ	TC=2700K	2860	3010	3260	120	Lm
		TC=3000K	3050	3150	3320	124	
		TC=3500K	3050	3150	3320	124	
		TC=4000K	3190	3350	3600	134	
		TC=5000K	3160	3300	3550	132	
		TC=5700K	3160	3300	3550	132	
		TC=6000±300K	3160	3300	3550	132	
		TC=6500K	3160	3300	3550	132	
		IF=700mA	80	—	—	—	—
		IF=700mA	—	0.87	—	—	W




Notes for Table

\*1. Color bins are defined at IF=700mA operation. If use different forward current, it will cause the change of chromaticity and forward voltage.

700mA

\*2. The tolerance of measurement at our tester is VF±3% , v±10% and Ra±2.

±3% , ±10% ±2

3. Tolerance of ±0.005 on x,y coordinates.

±0.005

4. Color region stay within MacAdam "3-step" ellipse from the chromaticity center. but does not contain the color temperature 6000±300K. The chromaticity center refers to ANSI C78.377-2008.



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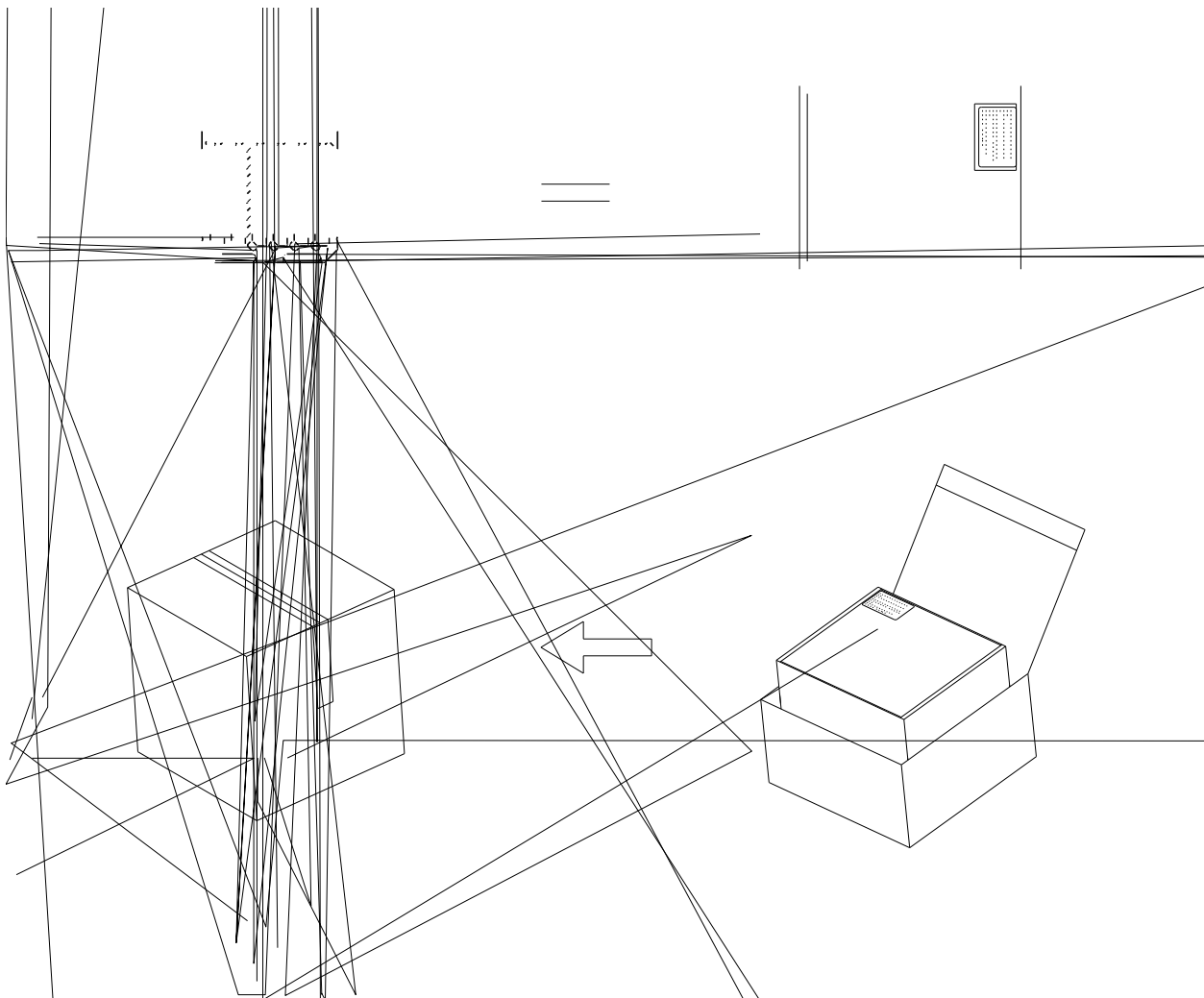

 <b>HONGLITRONIC</b> 鸿利光电		
TYPE:		QTY:
VF:	IF:	$\phi V$ :
TC:	X/Y:	
SDCM:	P <sub>max</sub> :	
DATE:		IQ NO.:

 <b>HONGLITRONIC</b> (Product Identity Card) 鸿利光电
品名 (Description):
产品型号 (Type):
发光颜色 (Color):
数量 (QTY):
生产批号 (LOT NO):
出货日期 (Date):
操作员 (Operator):

Label on ESD shielding

Label on box

- V: Luminous Flux rank
- VF: Forward voltage rank
- TC: Color temperature
- SDCM:





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## Precaution for use ( )

### 1. Storage

30° C

120° C±5° C

### 2.

350° C



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, COB recommendation colloid surface temperature control  $\leq 180$   
85°C

180°C

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COB

2000PPM

