



Under Development	
Mass production	





Client Name

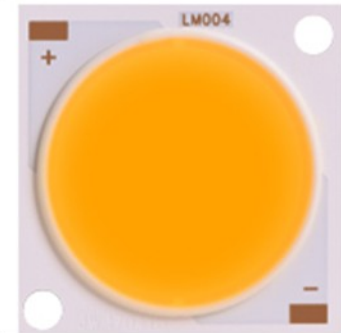
Client P/N

Product P/N

Sending Date:

Approval	Audit	Approval	Audit	Confirmation
				
Qualified	Disqualified	DATE:		

LM 004 H384 W - 25 B12 C12 (Ra2)



Product line code

Chip code

Recommend the minimum



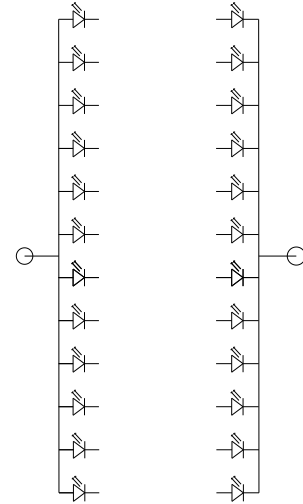
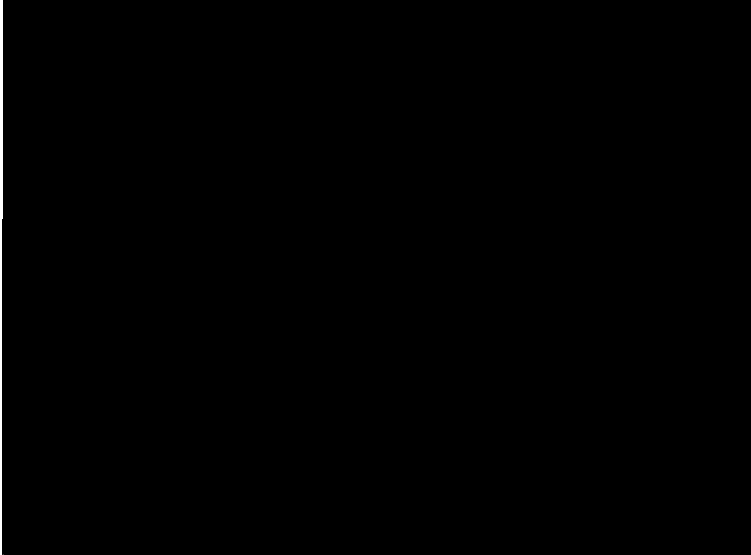
OBSERVE PRECAUTIONS
FOR HANDLING
ELECTROSTATIC
DISCHARGE
SENSITIVE
DEVICES

The number of parallel

The number of series

- Dimension 28.0mm×28.0mm×1.6mm
28.0mm×28.0mm×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: $\pm 0.3\text{mm}$.
 ± 0.3

Input power range	Pi	24.5	38.3	68.4	W
operating current range	IF	720	1050	1800	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 _{SOL}	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**

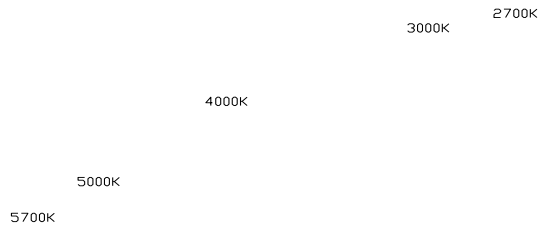
2. When hand soldering, keep the temperature of iron below less **350** less than **5seconds**

85 , **80%** , **75**
350 , **5**

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



		IF=1050mA	34	36	40	—	V
	Φ	TC=2700K	4250	4470	4850	119	Lm
		TC=3000K	4400	4700	5100	123	
		TC=3500K	4600	4900	5300	128	
		TC=4000K	4800	5050	5450	134	
		TC=5000K	4800	5050	5450	134	
		TC=5700K	4750	4970	5350	132	
		TC=6000±300K	4750	4970	5350	132	
		TC=6500K	4750	4970	5350	132	
		IF=1050mA	80	—	—	—	—
		IF=1050mA	—	0.85	—	—	W



Notes for Table

*1. Color bins are defined at IF=1050mA operation. If use different forward current, it will cause the change of chromaticity and forward voltage.

1050mA

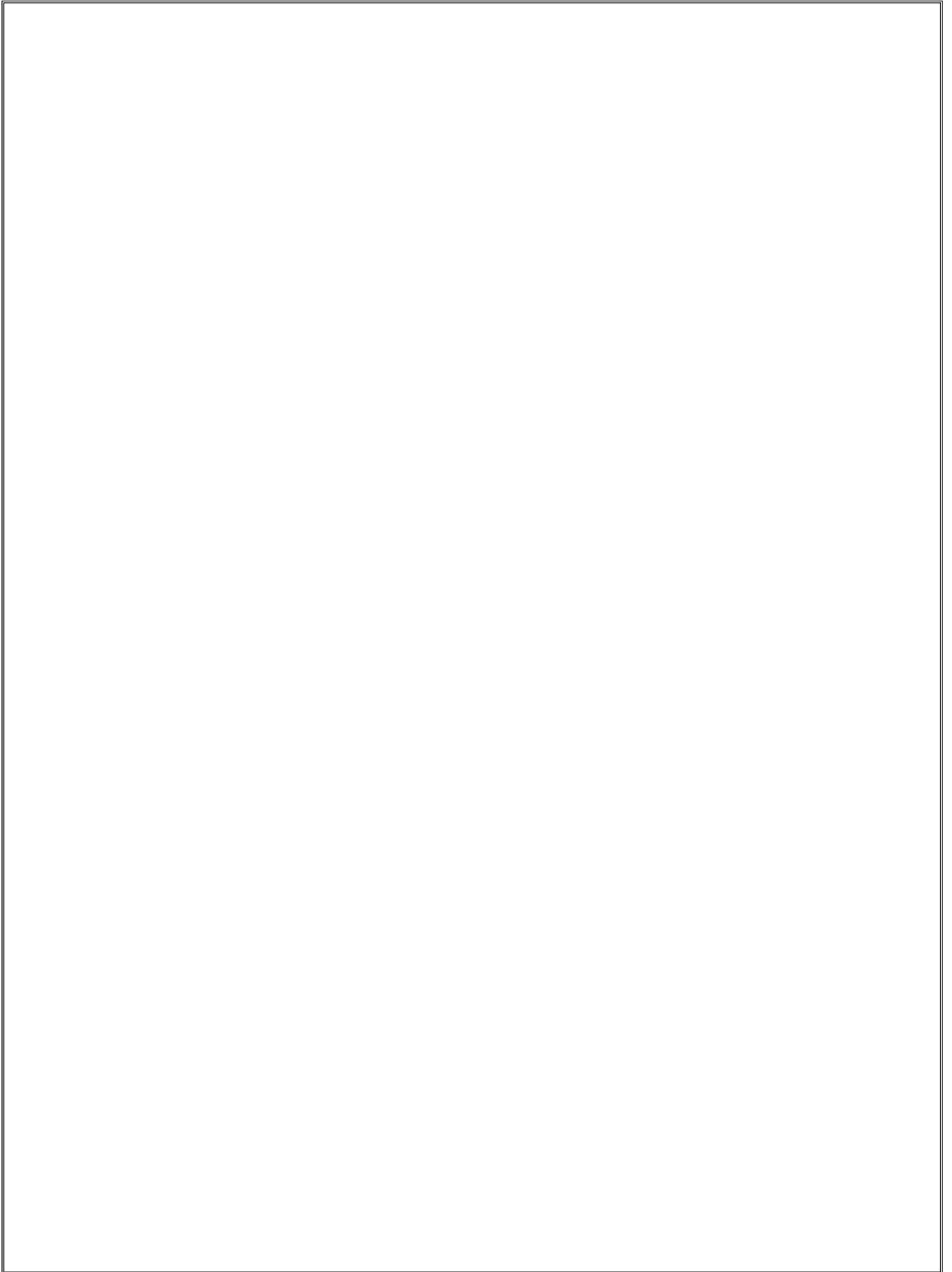
*2. The tolerance of measurement at our tester is VF±3% , v±10% and Ra±2.

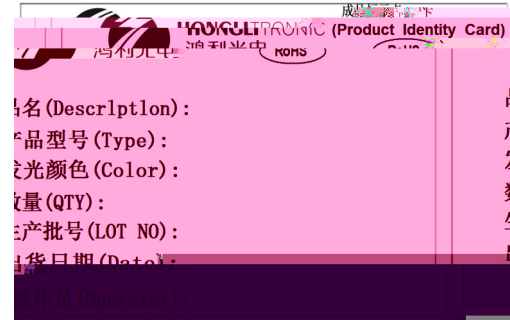
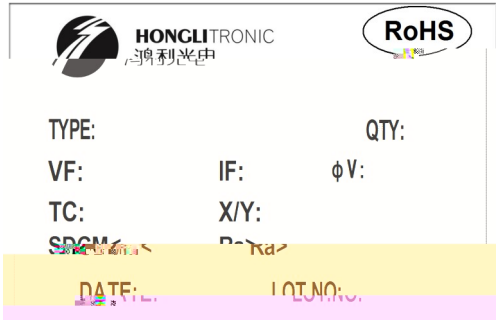
±3% , ±10% ±2

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.

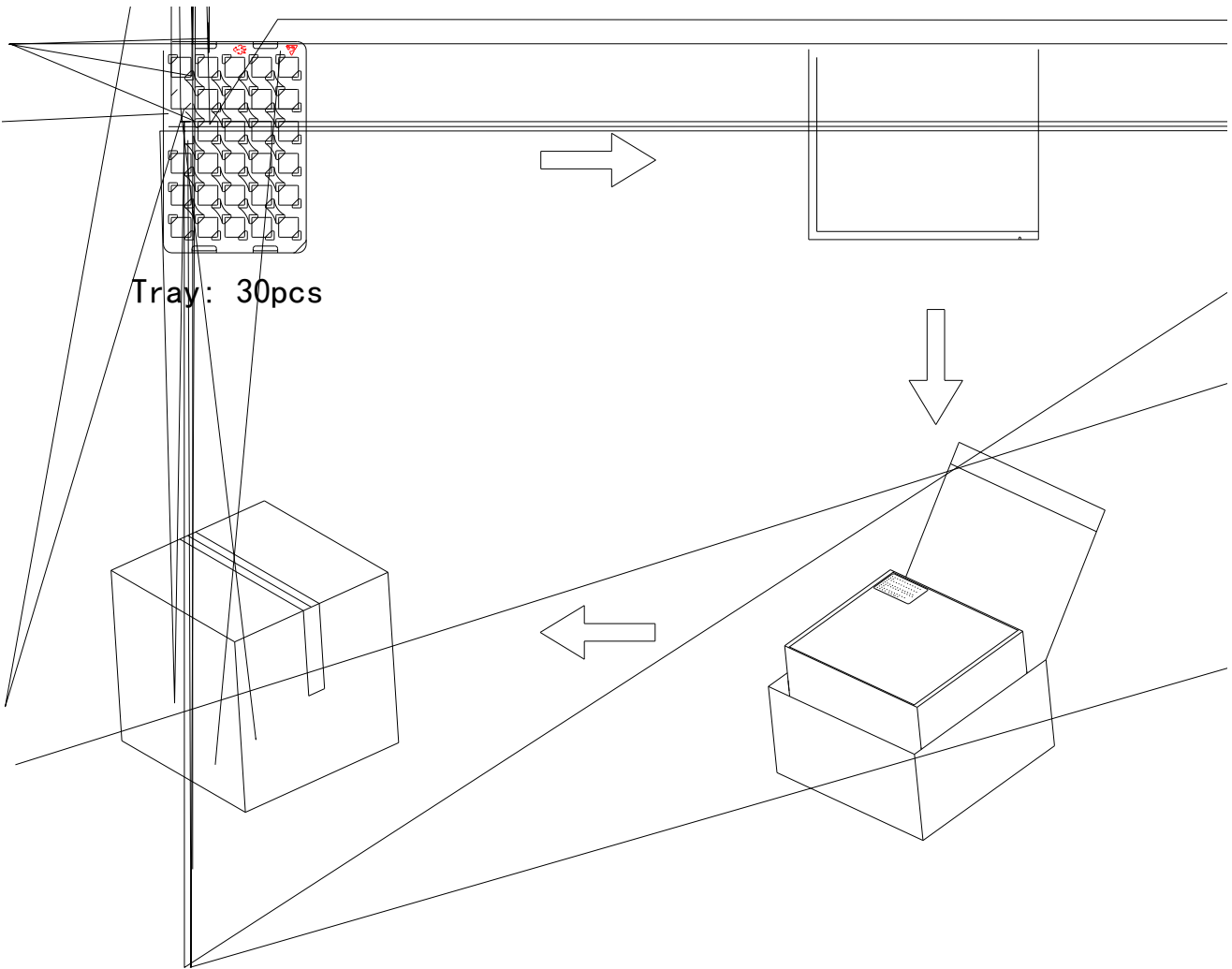




Label on ESD shielding

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

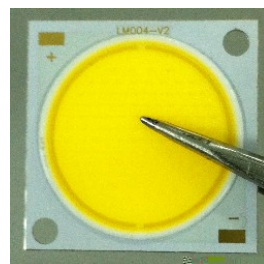
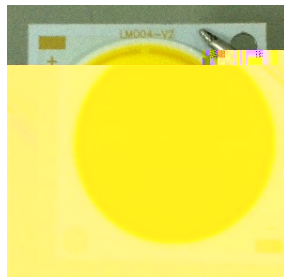
, COB recommendation colloid surface temperature control ≤ 180
85°C

180°C

-
-
-
-

COB

2000PPM





HONGLITRONIC
鸿利光电

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Mass production	

