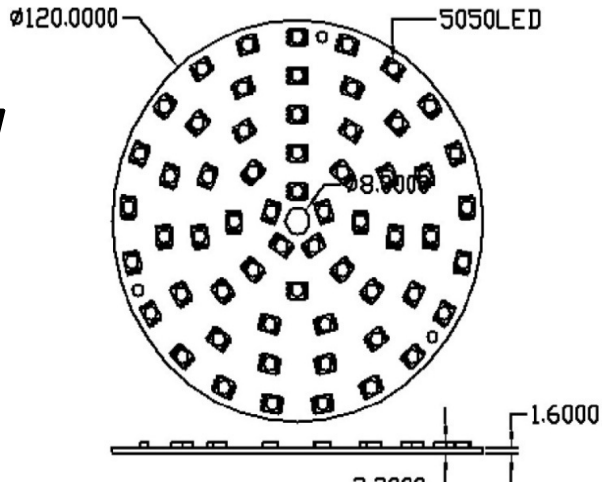




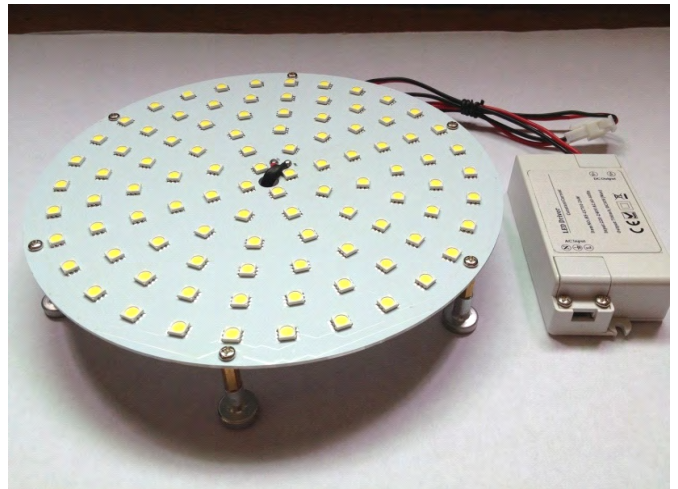
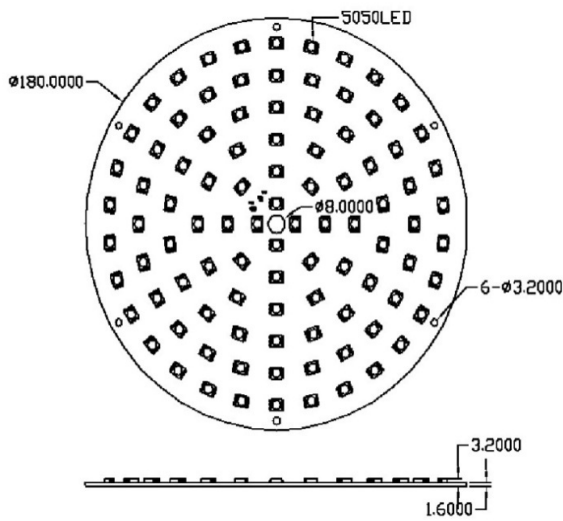
**Commodity: Magnetic LED Ceiling Light — 14W/20W/25W Non-dimmable**

# 1 . Product Dimensions

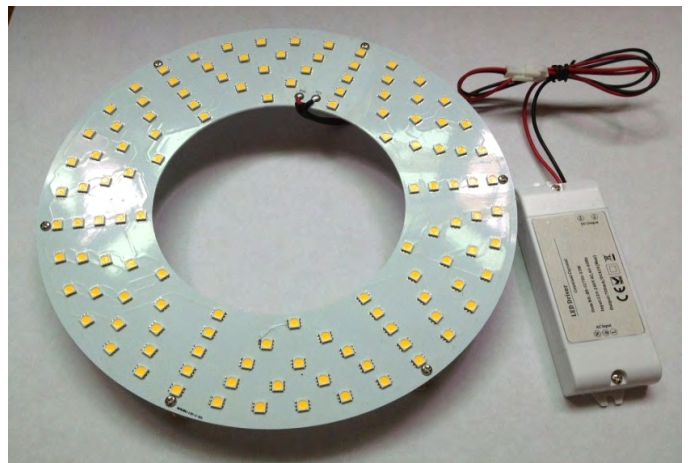
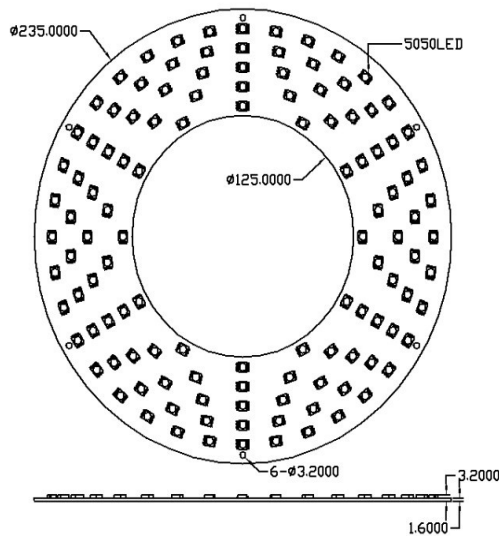
**14W**



**20W**



**25W**



Notes:

1. All dimension
2. All dimension tolerance is  $\pm 1\text{mm}$  unless otherwise noted.

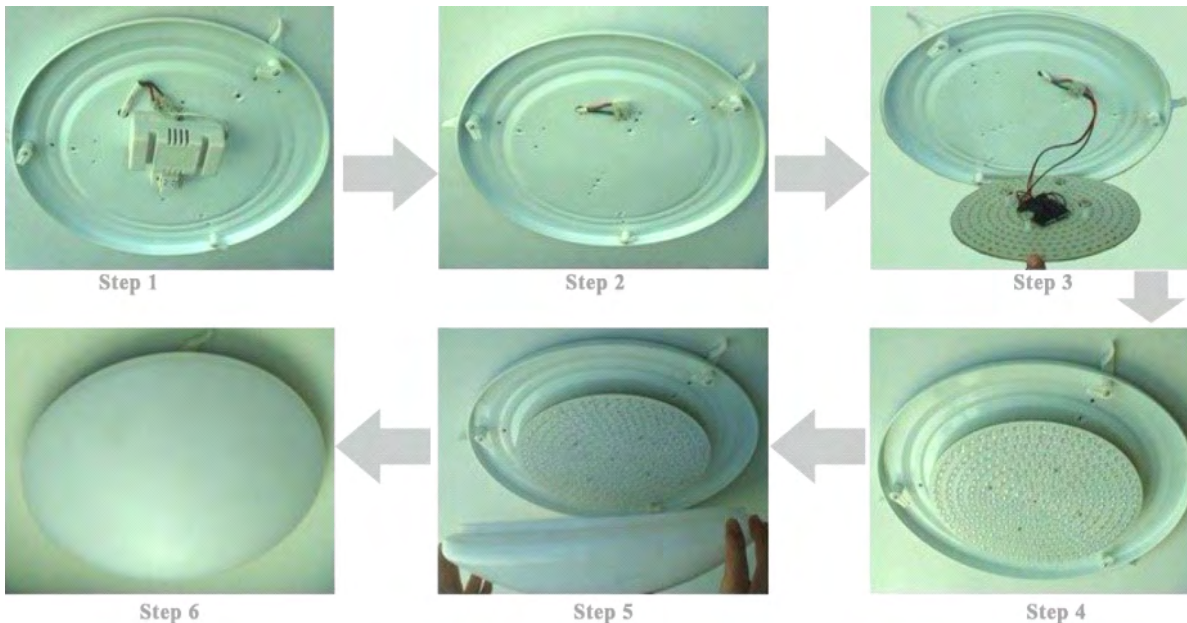
## 2 . Product Characteristics:

Absolute Maximum Rating at TA=25°C ; Electrical / Optical Characteristics at TA=25°C

P/N		Color Temperture	Input Voltage	Power Dissipatio	LED Qty	Luminous Flux	Efficiency	Power Factor
Item No.	Color	K	VF(V)	PD(W)	pcs	lm		
HS-MCPL-60R1	PW	6000 ~ 6500	AC110~130/ AC220-240V	14	60	1000~1100	>80%	>0.95
	WW	2800 ~ 3300						
	CW	4250 ~ 4750						
HS-MCPL-96R1	PW	6000 ~ 6500	AC110~130/ AC220-240V	20	96	1600~1800	>80%	>0.95
	WW	2800 ~ 3300						
	CW	4250 ~ 4750						
HS-MCPL-120R1	PW	6000 ~ 6500	AC110~130/ AC220-240V	25	120	1900~2100	>80%	>0.95
	WW	2800 ~ 3300						
	CW	4250 ~ 4750						

Notes:Tolerance of measurement of luminous intensity±15%.

## 3. Installation Instruction:



Step 1: Open the cover of the ceiling lamp, take the fluorescent lamp down

Step 2: Take the ballast of the fluorescent lamp down

Step 3: Connect the LED driver to the input of the ceiling lamp

Step 4: Stick the LED panel to the aluminium base of the ceiling lamp with the magnetic feet on the back of the LED panel

Step 5: Put the cover back to the ceiling lamp

Step 6: Light on and check

Caution:

Please make sure the power is off before you install this lamp

## 4. Usage :

- ※ Operating voltage: AC110~130/AC220-240V (50/60Hz).
- ※ Working environment:-20~ 35°C
- ※ Suitability: for indoor application only.
- ※ IP Rating:IP20

## 5. Quality :

- ※Quality guarantee is based on storing, installing,operating and maintaining correctly in the normal operation condition.
- ※It is not included in our maintaining range when installing inappropriately, breaking the operating rules, and leading to the products damaging.
- ※Our company will maintain the right to either repair,parts replacing,or products exchange during the quality warranty period.

## 6 . Safety :

- ※ Please do not hit or press it with heavy substance.
- ※ Please Handle and transport gently.
- ※ Please do not touch and twist the tube when power is on.
- ※ Light warm is normal when power is on.

## 7 . Package :

<b>The spec. of strip</b>	<b>14W</b>	<b>20W</b>	<b>25W</b>
NET WEIGHT/PCS (G)	<b>145g</b>	<b>245g</b>	<b>290g</b>
QUANTITY/CARTON (pcs)	<b>50pcs</b>	<b>30pcs</b>	<b>24pcs</b>
NET WEIGHT/CARTON (KGS)	<b>7KG</b>	<b>6.5KG</b>	<b>6.5KG</b>
GROSS WEIGHT/CARTON (KGS)	<b>8KG</b>	<b>7.5KG</b>	<b>7.7KG</b>
SIZE OF CARTON, L*W*H(mm)	<b>53*24*29cm</b>	<b>53*24*29cm</b>	<b>45*28*28cm</b>



# 8. Light Source Test Report

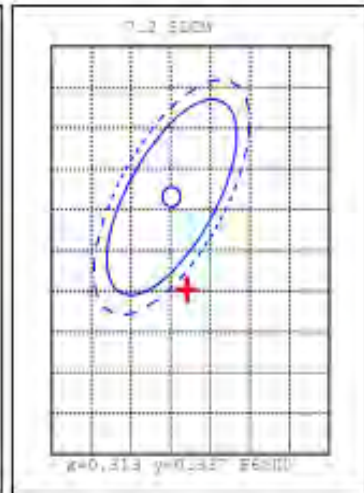
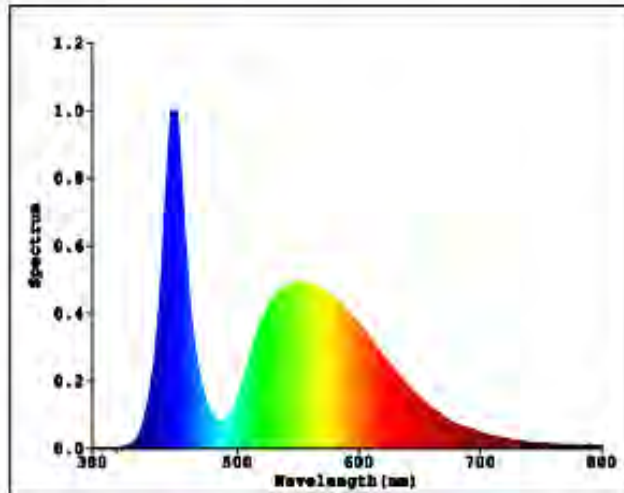


14W

Spectrophotometer Test Report

1 OF 1

## Light Source Test Report



### Color Parameters:

Chromaticity Coordinate:  $x=0.3147$  ( $dx=-0.0003$ )  $y=0.3278$  ( $dy=0.0028$ )  
Chromaticity Coordinate:  $u'=0.1996$   $v'=-0.4680$  ( $duv=1.61e-03$ )  
Tc=6408K Dominant WL:Ld=487.9nm Purity=6.7% Centroid WL:544.0nm  
Ratio:R=13.3% G=83.4% B=3.3% Peak WL:Lp=445.0nm HWL:21.9nm  
Render Index:Ra=70.2  
R1 =69 R2 =73 R3 =73 R4 =72 R5 =70 R6 =63 R7 =80  
R8 =61 R9 =-28 R10=34 R11=69 R12=36 R13=69 R14=85 R15=66

### Photo Parameters:

Flux: 1068.0 lm Fe: 3.3314 W Efficacy:80.66 lm/W

### Electrical Parameters:

Luminaire: U=230.7V I=0.06033A P=13.24W PF=0.9515

### Instrument Status:

Scan Range:380.0nm-800.0nm Interval:5.0nm(0) Ip=27129(G=4,D=61)  
REF=47243(R=3)  $\tau=0.4278$  PMT: 29.4 centigrade [150.0]

Product Type:LIGHT  
Number:N-00001  
Temperature:25.3 deg  
Test Operator:DAMIN  
Software:V2.00.122

Manufacturer:EVERFINE  
Test Department:EVERFINE  
Humidity:65.0%  
Test Date:2012-09-14 17:02:41  
Instrument:PMS-80\_V1 (SN:YG107113N12010036)

# 8. Light Source Test Report

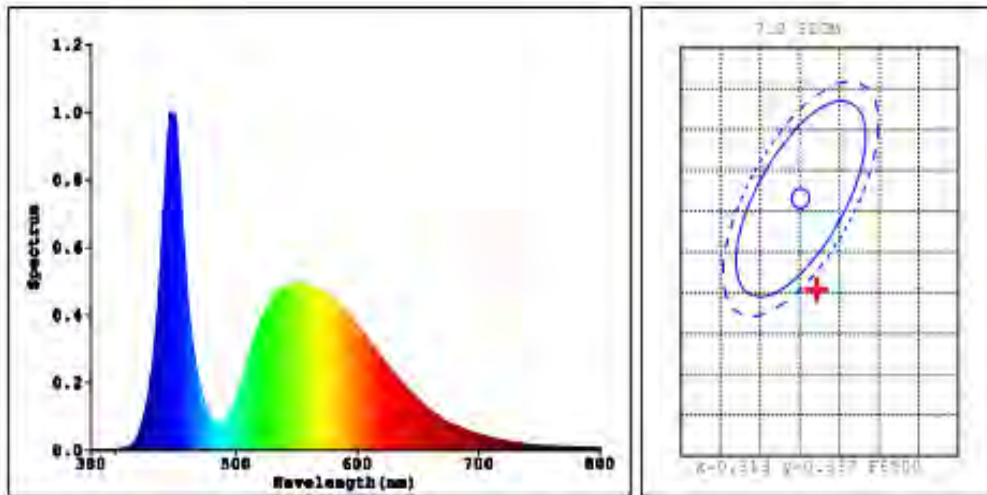


20W

Spectrophotometer Test Report

1 Of 1

## Light Source Test Report



### Color Parameters:

Chromaticity Coordinate:  $x=0.3147$  ( $dx=-0.0004$ )  $y=0.3280$  ( $dy=0.0029$ )  
Chromaticity Coordinate:  $u'=0.1996$   $v'=0.4681$  ( $duv=1.68e-03$ )  
Tc=6403K Dominant WL:Ld=488.0nm Purity=6.7% Centroid WL:544.0nm  
Ratio:R=13.3% G=83.4% B=3.3% Peak WL:Lp=445.0nm HWL:22.0nm  
Render Index:Ra=70.2  
R1 =69 R2 =73 R3 =73 R4 =72 R5 =70 R6 =63 R7 =79  
R8 =61 R9 =-28 R10=34 R11=69 R12=37 R13=69 R14=85 R15=66

### Photo Parameters:

Flux: 1712.6 lm Fe: 5.3374 W Efficacy:84.43 lm/W

### Electrical Parameters:

Luminaire: U=230.7V I=0.09096A P=20.28W PF=0.9667

### Instrument Status:

Scan Range:380.0nm-800.0nm Interval:5.0nm[0] Ip=43090(G=4,D=62)  
REF=7693(R=2)  $\lambda=0.370\mu$  PNT: 29.4 centigrade [150.0]

Product Type:LIGHT Manufacturer:EVERFINE  
Number:N-00001 Test Department:EVERFINE  
Temperature:25.3 deg Humidity:65.0%  
Test Operator:DAMIN Test Date:2012-09-14 17:09:04  
Software:V2.00.122 Instrument:PMS-80\_V1 (SN:YG107113N12010036)

# 8. Light Source Test Report

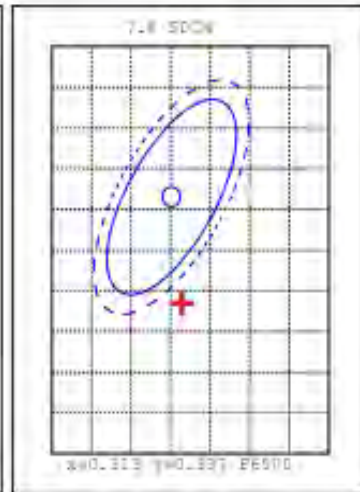
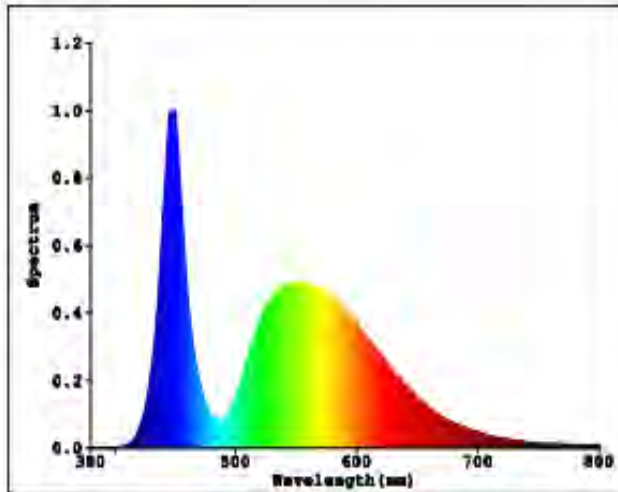


25W

Spectrophotometer Test Report

1 Of 1

## Light Source Test Report



### Color Parameters:

Chromaticity Coordinate:  $x=0.3141(dx=-0.0003)$   $y=0.3265(dy=0.0020)$

Chromaticity Coordinate:  $u'=0.1998$   $v'=0.4672(duv=1.18e-03)$

$Tc=6446K$  Dominant WL:  $Ld=487.0nm$  Purity= $7.0\%$  Centroid WL:  $543.0nm$

Ratio:  $R=13.3\%$   $G=83.3\%$   $B=3.4\%$  Peak WL:  $Lp=450.0nm$   $BWL=22.2nm$

Render Index:  $Ra=70.6$

$R1 = 69$   $R2 = 73$   $R3 = 73$   $R4 = 73$   $R5 = 70$   $R6 = 64$   $R7 = 80$

$R8 = 62$   $R9 = -26$   $R10 = 35$   $R11 = 69$   $R12 = 37$   $R13 = 69$   $R14 = 85$   $R15 = 66$

### Photo Parameters:

Flux:  $2044.6 lm$   $Fe: 6.4002 W$  Efficacy:  $82.53 lm/W$

### Electrical Parameters:

Luminaire:  $U=230.7V$   $I=0.1117A$   $P=24.77W$   $PF=0.9619$

### Instrument Status:

Scan Range:  $380.0nm-800.0nm$  Interval:  $5.0nm[0]$

$Ip=52546(G=4,D=62)$

REF:  $9152(R=2)$   $s=-0.4408$

PMT:  $29.6$  centigrade  $[88.3]$

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Product Type: LIGHT  
Number: N-00001  
Temperature:  $25.3 deg$   
Test Operator: DAMIN  
Software: V2.00.122

Manufacturer: EVERFINE  
Test Department: EVERFINE  
Humidity:  $65.0\%$   
Test Date: 2012-09-14 16:54:02  
Instrument: PMS-80\_V1 (SN: YG107113N12010036)