

# MR16 with GU5.3 base



**SPD 17B**

Φ50mm, Height 49mm  
net weight: 0.09 lbs



**5W SPD 17B = 35W Halogen lighting**

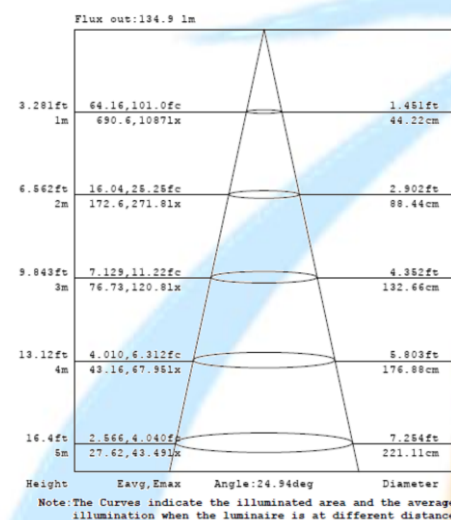
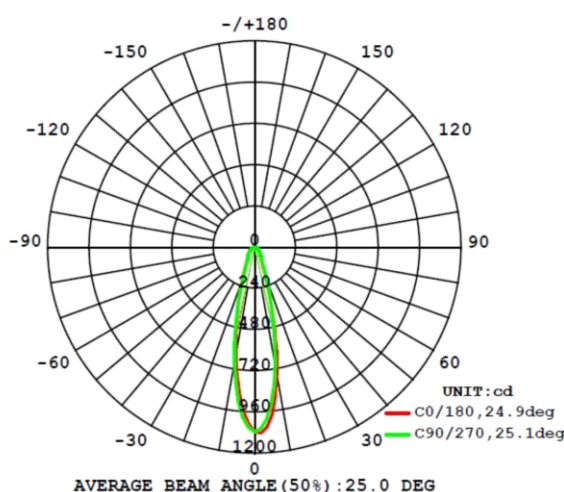
- 85% energy savings
- 1400% longer in life

## Applications

- Household
- Indoor public/commercial facility
  - Restaurant
  - Office
  - Hotel
  - Shopping mall

## Features

- Low heat
- Compact, ultra light weight
- High efficacy

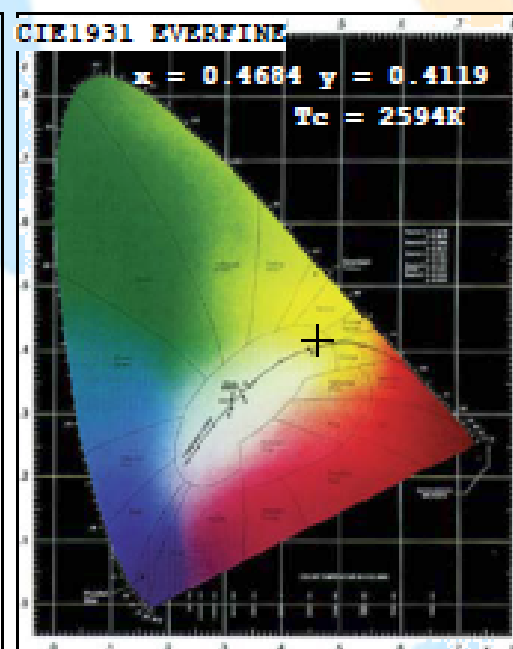
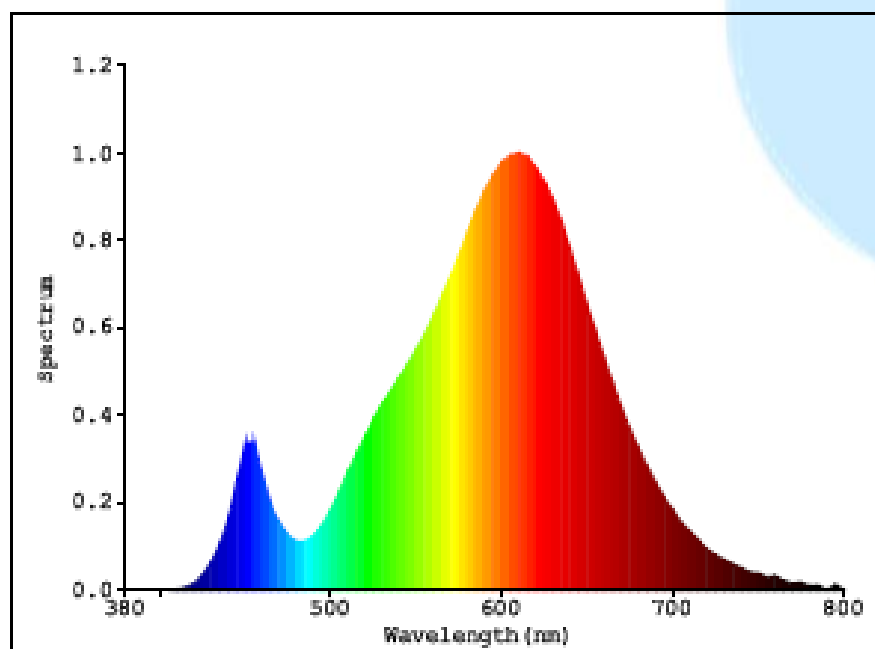


## Performance Parameters

MR16	Light color type	Color temperature Min	Color temperature Max	Lumen	Color Rendering Index	Input Volt	Power	PF	Efficiency	Ambient Temperature	Lifespan*	Wattage equivalent	Beam angles
SPD17B (CREE XB-D)	Cool White	5000K	6000K	350LM	>70	12V AC/DC	5W	>0.9	>85LM/W	-20°C~40°C	8Years	35W	15°,30°,45°,60°
	Natural White	3800K	4500K	330LM	>75	12V AC/DC	5W	>0.9	>65LM/W	-20°C~40°C	8Years	35W	15°,30°,45°,60°
	Warm White	2700K	3000K	300LM	>80	12V AC/DC	5W	>0.9	>60LM/W	-20°C~40°C	8Years	35W	15°,30°,45°,60°
SD17B (CREE XT-E)	Cool White	5000K	6000K	430LM	>70	12V AC/DC	5W	>0.9	>85LM/W	-20°C~40°C	8Years	35W	15°,30°,45°,60°
	Natural White	3800K	4500K	410LM	>75	12V AC/DC	5W	>0.9	>80LM/W	-20°C~40°C	8Years	35W	15°,30°,45°,60°
	Warm White	2700K	3000K	380LM	>80	12V AC/DC	5W	>0.9	>75LM/W	-20°C~40°C	8Years	35W	15°,30°,45°,60°

\* The lifespan is defined by average 6 working hours daily( 7days per week).

# SPD17B for MR16 with GU5.3 base- Light Source Test Report (XTE)



## Color Parameters:

Chromaticity Coordinate:  $x=0.4684$   $y=0.4119$   $u'=0.2675$   $v'=0.5291$

$T_c=2594K$  Dominant WL:  $L_d=584.8nm$  Purity= $64.2\%$  Centroid WL:  $599.0nm$

Ratio:  $R=27.6\%$   $G=70.9\%$   $B=1.5\%$  Peak WL:  $L_p=610.0nm$  HWL:  $120.3nm$

Render Index:  $R_a=80.2$

R1 =78	R2 =89	R3 =97	R4 =77	R5 =77	R6 =85	R7 =82	
R8 =57	R9 =6	R10=73	R11=74	R12=65	R13=80	R14=98	R15=72

## Photo Parameters:

Flux:  $396.93$  lm Fe:  $1.2312$  W Efficacy:  $73.69$  lm/W

LEVEL: WHITE:OUT

## Electrical Parameters:

Luminaire: U= $11.69V$  I= $0.5713A$  P= $5.387W$  PF= $0.8069$

### Instrument Status:

Scan Range:  $380.0nm-800.0nm$  Interval:  $5.0nm[0]$   
REF= $14207(R=4)$   $\%=-0.270\%$

$I_p=1278(G=3,D=53)$   
PMT:  $27.8$  centigrade [ $27.6$ ]