

# MR16 with GU5.3 base



**SPD 18A**

Φ50mm, Height 71mm  
Net weight: 0.2 lbs

**6.5W SPD 18A = 50W Halogen lighting**

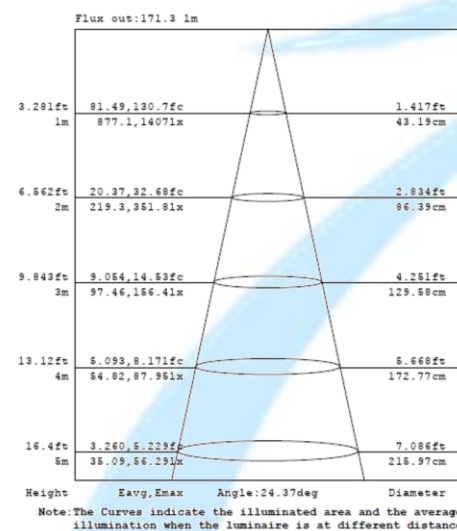
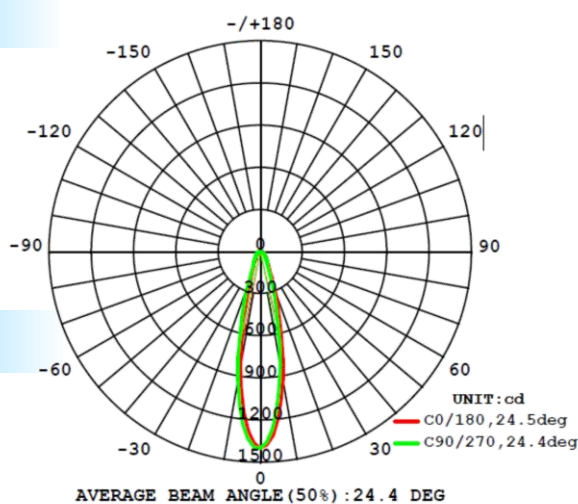
- 87% energy savings
- 1400% longer in life

## Applications

- Indoor spot lighting
  - Jewelry display
  - Counter
- Outdoor spot lighting
  - Gardens
  - Corridor

## Features

- Good heat dissipation
- High efficacy

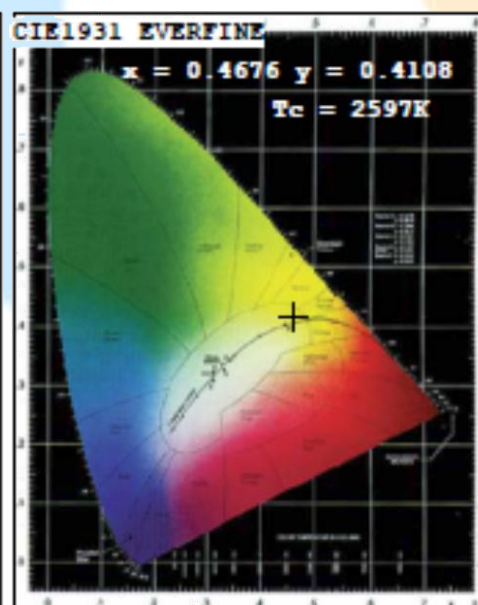
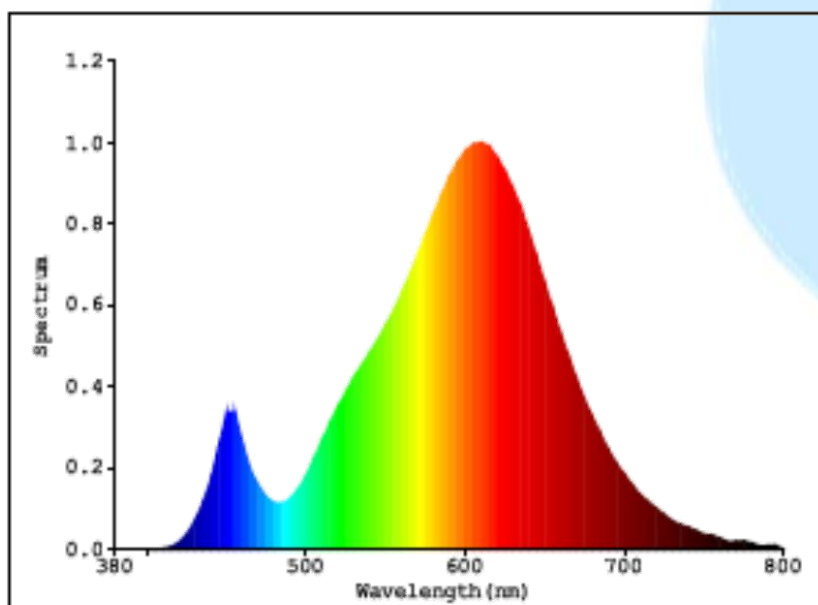


## Performance Parameters

MR16	Light color type	Color temperature Min	Color temperature Max	Lumen (XT-E)	Color Rendering Index	Input Volt	Power	PF	Efficiency	Ambient Temperature	Lifespan*	Wattage equivalent	Beam angles
SPD18A	Cool White	5000K	6000K	500LM	>70	12V AC/DC	6.5W		>75LM/W	-20°C~40°C	8Years	50W	15°, 30°, 45°, 60°
GU5.3 base	Natural White	3800K	4500K	480LM	>75	12V AC/DC	6.5W		>70LM/W	-20°C~40°C	8Years	50W	15°, 30°, 45°, 60°
	Warm White	2700K	3000K	450LM	>80	12V AC/DC	6.5W		>65LM/W	-20°C~40°C	8Years	50W	15°, 30°, 45°, 60°

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

# SPD18A for MR16 with GU5.3 base- Light Source Test Report (XTE)



## Color Parameters:

Chromaticity Coordinate:  $x=0.4676$   $y=0.4108$   $u'=0.2674$   $v'=0.5286$

$T_c=2597K$  Dominant WL:  $L_d=584.9nm$  Purity= $63.7\%$  Centroid WL:  $599.0nm$

Ratio:  $R=27.6\%$   $G=70.9\%$   $B=1.5\%$  Peak WL:  $L_p=610.0nm$  HWL:  $120.2nm$

Render Index:  $R_a=80.0$

R1 =78 R2 =89 R3 =96 R4 =77 R5 =77 R6 =85 R7 =82

R8 =56 R9 =5 R10=73 R11=73 R12=65 R13=80 R14=98 R15=72

## Photo Parameters:

Flux:  $450.47$  lm Fe:  $1.4015$  W Efficacy:  $65.36$  lm/W

LEVEL: WHITE:OUT

## Electrical Parameters:

Luminaire: U= $12.12V$  I= $0.7303A$  P= $6.892W$  PF= $0.7786$

### Instrument Status:

Scan Range:  $380.0nm-800.0nm$  Interval:  $5.0nm[0]$   
REF= $16110(R=4)$   $\lambda=1.691\mu$

$I_p=1491(G=3,D=53)$   
PMT:  $27.8$  centigrade [ $27.7$ ]