

Code: D1016D

50w Halogen replacement

- CE & RoHS Compliant



Features

- Equivalent to 50w Halogen MR16 lamp
- High Power Factor >0.9
- External driver for direct connection to mains voltage
- Ideal for Spot lighting.
- 2 year warranty.

Specification

Light Source	COB LED
Color Temperature (CCT)	2700K 3000K 4000K
Initial Luminous flux (Total)	700lm@3000K 750lm@4000K
Color Rendering index (CRI)	>80
Power Consumption	10 w
Power Factor	>0.9
Input voltage	120~240vAC
Light Beam Angle	38 degrees 60degrees
Dimming Options	Universal Phase Dimming

Benefits

- Extra Long Life More than 50,000 hours.
- Save up to 85% of energy Consumption & reduce maintenance costs.
- Virtually no heat or UV output.
- No Mercury & Resistant to Shock and vibration.

Comparison

		
Description	MR LED	HALOGEN MR 16
Power	8 W	50 W
Luminous intensity	700 lms	550 lms
Life span	35,000 Hrs	2,000 Hrs
Contains toxic materials (mercury)	NONE	YES
ROHS Compliant	YES	NO

DA Lighting

Unit 5, 3 Lancaster Street INGLEBURN NSW 2565

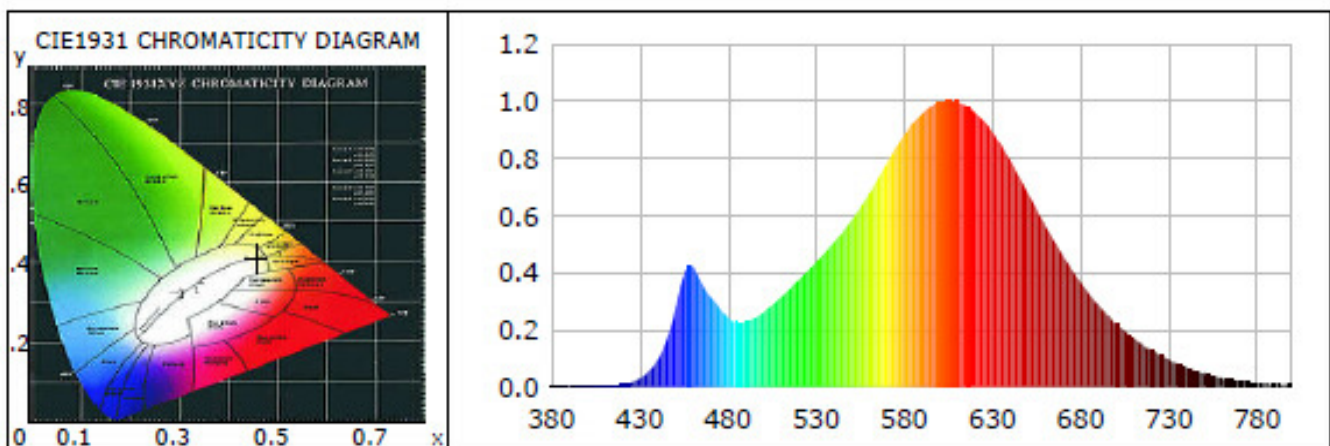
TEL: 02 8006 9016 Email: info@dalighting.net.au Website: www.dalighting.net.au

Optical Performance

Code: D1016-D

CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.4567$ $y=0.4101$ $u(u')=0.2606$ $v=0.3511$ $v'=0.5267$
 CCT: $T_c=2742K$ ($duv=0.00011$) Color Ratio: $R=0.245$ $G=0.730$ $B=0.026$
 Peak Wavelength: 0nm Half Bandwidth: 126.3nm
 Dominant Wavelength: 604.4nm Color Purity: 0.602
 CRI: R_i : $R_a=81.2$
 $R_1=80$ $R_2=92$ $R_3=94$ $R_4=76$ $R_5=80$ $R_6=90$ $R_7=80$ $R_8=58$
 $R_9=11$ $R_{10}=81$ $R_{11}=73$ $R_{12}=71$ $R_{13}=82$ $R_{14}=98$ $R_{15}=73$

**Photometric Parameters**

Luminous Flux: 690.6 lm

Efficiency: 64.54 lm/W

Radiant Power: 2.188 W

Electric Parameters

Voltage: 239.80V

Current: 0.0420A

Power: 10.700W

Power Factor: 0.904

Frequency: 50.00Hz

Test Information

Scan Range: 380nm~800nm:1nm

Stabilization Time: 0 ms

Max of Signal: 45198 (3196)

Photometric Method:

Photometric Condition: Sphere diameter: 1.50m, 4 π

CCD Integration Time: 638.39 ms