




Power MR16 Downlight Benefits:

- Luxtreme Series / **High Light Output**
- Extremely Low Operation Cost / Energy Efficient (10W VS 50W)
- Choice of built-in or external constant current driver
- **ONE LED Module** / Natural Illumination / **Non-Flickering**
- Closest to Gas Tube Lighting / **No Ghost Effect**
- **Fixture Acts as Heat Sink** / LED is only 10°C more than Surface
- Super Long Life / Zero Maintenance
- Simple Design / Solid Construct
- **Constant Current Design**
- Environmentally Friendly / No Toxic / Reduce Waste
- CO2 Reduction (based on 50,K Hour): **957KG =** 
- Mercury Reduction (compared to fluorescent): **41.67mg**
- Downlight fixture Included

Power MR16 Downlight

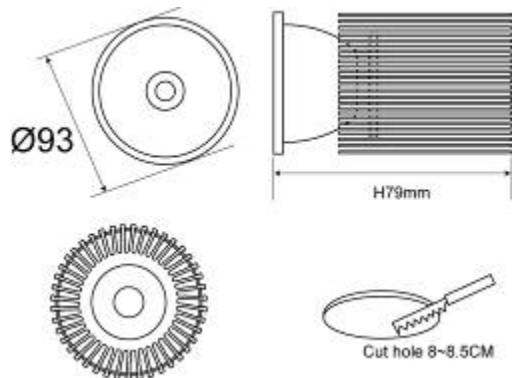
FPD09-W01HP-AA10 (White, 40°)
 FPD09-WW01HP-AA10 (Warm White, 40°)



Specification Features

| | |
|------------------------------|-----------------------------------|
| Color Range | White, Warm White |
| Dimensions | Ø93 x H79mm (include fixture) |
| Light Source | 10W High Power LED |
| Housing | Die-casting aluminum |
| Operating Temperature | -40°C to 50°C (-40°F to 122°F) |
| Starting Temperature | -40°C to 50°C (-40°F to 122°F) |
| IP Rating | IP40 |
| LED source life | 50, 000 hours |
| Design | Fit std. MR16 fixture (open type) |
| Accessory | 10W LED Driver |
| Weight | 300g (include Driver) |

Physical Dimensions



Electrical

| | | | |
|--------------------------|--------------|--------------------------|------|
| Power Input | AC 100V/240V | Control Mechanism | None |
| DC Current | 800mA | Controller | None |
| Power Consumption | 10W | Data Wiring | None |

Optical

| | |
|---------------------------|-------------------------------|
| Lens | None |
| Beam Angle | 40° |
| Light Distribution | Symmetric direct illumination |

Light Output

| Color | Wavelength (nm) | Color Temp. (Typical) | Light Output (Lm) | Efficacy (Lm/W) |
|------------|-----------------|-------------------------|-------------------|-----------------|
| White | - | 5600~6000K | 700 | 70 |
| Warm White | - | 2800K 3000K 3300K | 600 | 60 |
| Red | 623-630 | - | 500 | 50 |
| Green | 522-525 | - | 500 | 50 |
| Blue | 462-468 | - | 100 | 10 |
| Amber | 588-592 | - | 500 | 50 |