

PAR 16 6X1.0W



IRIS 2002, S.A.  
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## Features and Benefits

Undimmable  
 Replacement for 65W Halogen  
 Top quality LED from Cree and Nichia  
 Energy savings: 7W total power consumption (Max8.5W)  
 High luminous intensity and reliability  
 Long lifetime: 50,000 hrs w 70% light output at 25°C  
 Wide operating temperature: -20°C to +40°C  
 Wide variety of quality optics to choose from satisfies any lighting application  
 Beam angles: Cree LED 23°, 34°, 52°  
 Available color temperaure: 2580-36000K, 4000-4500K, 4700-7000K  
 Driver's power efficiency 70 to 90%  
 Long Life of Components: Over 50,000 hrs under 80°C  
 High CRI: >70  
 No UV and no IR emitted  
 Two versions: 110V and 230V for different markets

## Technical Performance

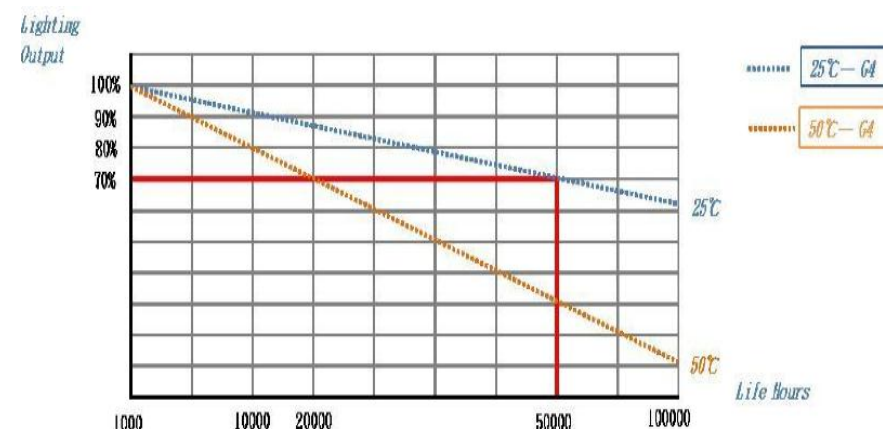
### 200-240V

| CODE     | COLOR      | LAMP BASE | REFERENCE                                       | LED BRAND | LED QTY | BEAM ANGLE | C.R.I | LIGHT OUTPUT (Lm) | POWER CONSUMPTION | INPUT VOLTAGE | Power Factor | OPERATING TEMPERATURE |
|----------|------------|-----------|-------------------------------------------------|-----------|---------|------------|-------|-------------------|-------------------|---------------|--------------|-----------------------|
| 20240227 | Warm white | GU10      | I-PAR16GU10-6X1W-23degCr-WW(3000K)(AC200-240V)  | Cree      | 6x1.0W  | 23°        | >80   | 459               | 7W                | 200-240V      | >0.70        | -20° to +40°C         |
| 20240228 | Daylight   | GU10      | I-PAR16GU10-6X1W-23degCr-WDL(6500K)(AC200-240V) | Cree      | 6x1.0W  | 23°        | >90   | 598               | 7W                | 200-240V      | >0.70        | -20° to +40°C         |
| 20240229 | Warm white | GU10      | I-PAR16GU10-6X1W-34degCr-WW(3000K)(AC200-240V)  | Cree      | 6x1.0W  | 34°        | >80   | 459               | 7W                | 200-240V      | >0.70        | -20° to +40°C         |
| 20240230 | Daylight   | GU10      | I-PAR16GU10-6X1W-34degCr-WDL(6500K)(AC200-240V) | Cree      | 6x1.0W  | 34°        | >90   | 598               | 7W                | 200-240V      | >0.70        | -20° to +40°C         |

## Warranty

3 years

## Life, Reliability and Lumen Maintenance



| CODE     | COLOR      | LAMP BASE | REFERENCE                                       | LED BRAND | LED QTY | BEAM ANGLE | C.R.I | LIGHT OUTPUT (Lm) | POWER CONSUMPTION | INPUT VOLTAGE | Power Factor | OPERATING TEMPERATURE |
|----------|------------|-----------|-------------------------------------------------|-----------|---------|------------|-------|-------------------|-------------------|---------------|--------------|-----------------------|
| 20240231 | Warm white | GU10      | I-PAR16GU10-6X1W-52degCr-WW(3000K)(AC200-240V)  | Cree      | 6       | 52°        | >90   | 459               | 7W                | 200-240V      | >0.70        | -20° to +40°C         |
| 20240232 | Daylight   | GU10      | I-PAR16GU10-6X1W-52degCr-WDL(6500K)(AC200-240V) | Cree      | 6       | 52°        | >80   | 598               | 7W                | 200-240V      | >0.70        | -20° to +40°C         |
| 20240235 | Warm white | E27       | I-PAR16E27-6X1W-23degCr-WW(3000K)(AC200-240V)   | Cree      | 6       | 23°        | >90   | 459               | 7W                | 200-240V      | >0.70        | -20° to +40°C         |
| 20240236 | Daylight   | E27       | I-PAR16E27-6X1W-23degCr-WDL(6500K)(AC200-240V)  | Cree      | 6       | 23°        | >80   | 598               | 7W                | 200-240V      | >0.70        | -20° to +40°C         |
| 20240237 | Warm white | E27       | I-PAR16E27-6X1W-34degCr-WW(3000K)(AC200-240V)   | Cree      | 6       | 34°        | >90   | 459               | 7W                | 200-240V      | >0.70        | -20° to +40°C         |
| 20240238 | Daylight   | E27       | I-PAR16E27-6X1W-34degCr-WDL(6500K)(AC200-240V)  | Cree      | 6       | 34°        | >80   | 598               | 7W                | 200-240V      | >0.70        | -20° to +40°C         |
| 20240239 | Warm white | E27       | I-PAR16E27-6X1W-52degCr-WW(3000K)(AC200-240V)   | Cree      | 6       | 52°        | >90   | 459               | 7W                | 200-240V      | >0.70        | -20° to +40°C         |
| 20240240 | Daylight   | E27       | I-PAR16E27-6X1W-52degCr-WDL(6500K)(AC200-240V)  | Cree      | 6       | 52°        | >80   | 598               | 7W                | 200-240V      | >0.70        | -20° to +40°C         |

#### 100-120V

| CODE     | COLOR      | LAMP BASE | REFERENCE                                       | LED BRAND | LED QTY | BEAM ANGLE | C.R.I | LIGHT OUTPUT (Lm) | POWER CONSUMPTION | INPUT VOLTAGE | Power Factor | OPERATING TEMPERATURE |
|----------|------------|-----------|-------------------------------------------------|-----------|---------|------------|-------|-------------------|-------------------|---------------|--------------|-----------------------|
| 20240243 | Warm white | GU10      | I-PAR16GU10-6X1W-23degCr-WW(3000K)(AC100-120V)  | Cree      | 6       | 23°        | >90   | 459               | 7W                | 100-120V      | >0.90        | -20° to +40°C         |
| 20240244 | Daylight   | GU10      | I-PAR16GU10-6X1W-23degCr-WDL(6500K)(AC100-120V) | Cree      | 6       | 23°        | >80   | 598               | 7W                | 100-120V      | >0.90        | -20° to +40°C         |
| 20240245 | Warm white | GU10      | I-PAR16GU10-6X1W-34degCr-WW(3000K)(AC100-120V)  | Cree      | 6       | 34°        | >90   | 459               | 7W                | 100-120V      | >0.90        | -20° to +40°C         |
| 20240246 | Daylight   | GU10      | I-PAR16GU10-6X1W-34degCr-WDL(6500K)(AC100-120V) | Cree      | 6       | 34°        | >80   | 598               | 7W                | 100-120V      | >0.90        | -20° to +40°C         |
| 20240247 | Warm white | GU10      | I-PAR16GU10-6X1W-52degCr-WW(3000K)(AC100-120V)  | Cree      | 6       | 52°        | >90   | 459               | 7W                | 100-120V      | >0.90        | -20° to +40°C         |
| 20240248 | Daylight   | GU10      | I-PAR16GU10-6X1W-52degCr-WDL(6500K)(AC100-120V) | Cree      | 6       | 52°        | >80   | 598               | 7W                | 100-120V      | >0.90        | -20° to +40°C         |
| 20240251 | Warm white | E26       | I-PAR16E26-6X1W-23degCr-WW(3000K)(AC100-120V)   | Cree      | 6       | 23°        | >80   | 459               | 7W                | 100-120V      | >0.90        | -20° to +40°C         |
| 20240252 | Daylight   | E26       | I-PAR16E26-6X1W-23degCr-WDL(6500K)(AC100-120V)  | Cree      | 6       | 23°        | >80   | 598               | 7W                | 100-120V      | >0.90        | -20° to +40°C         |

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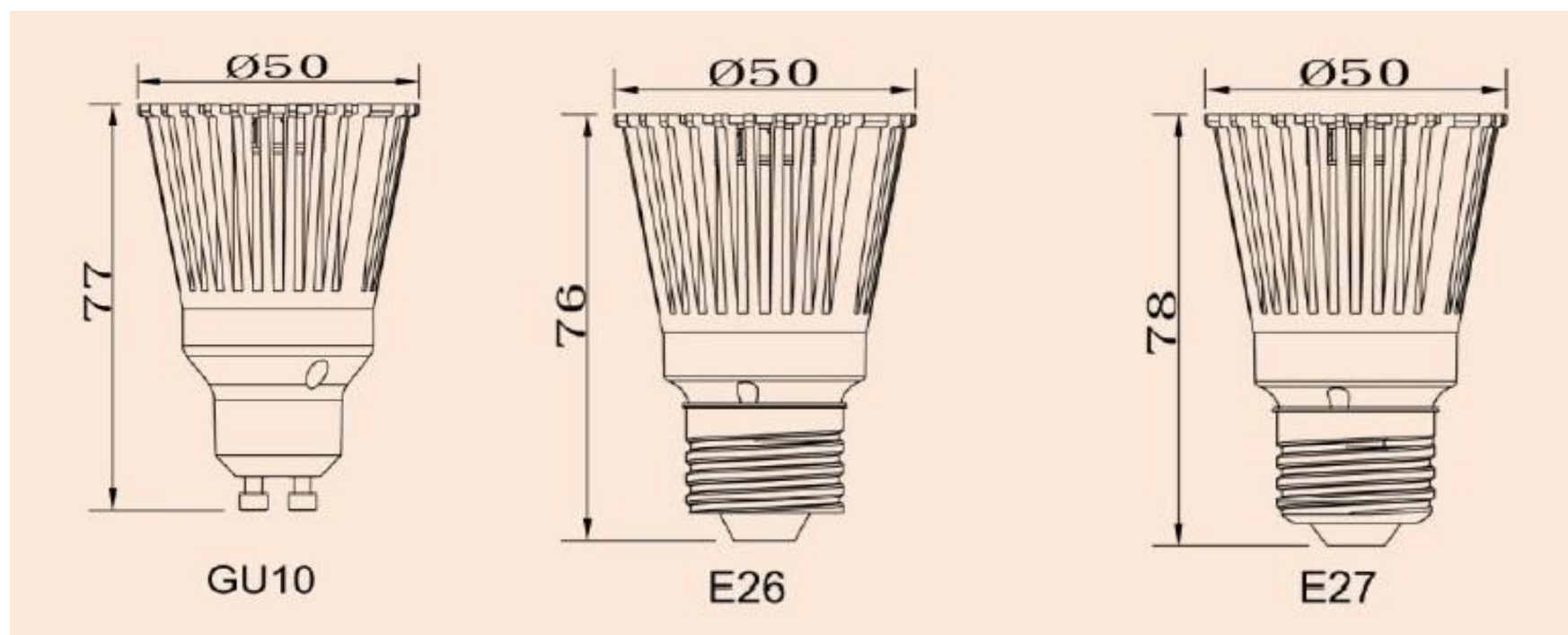
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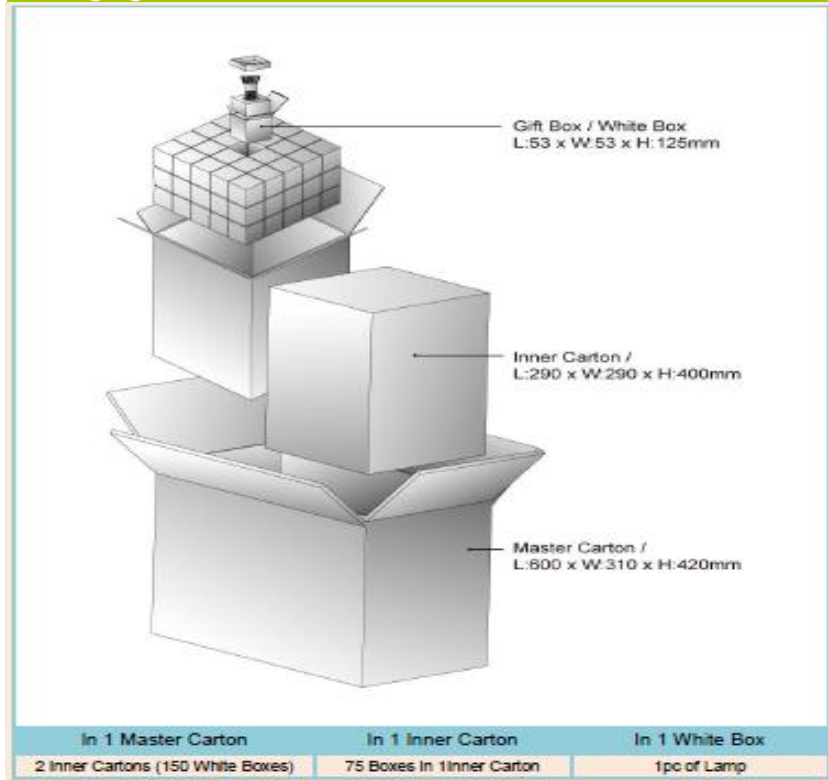
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|----------|------------|-----------|------------------------------------------------|-----------|---------|------------|-------|-------------------|-------------------|---------------|--------------|-----------------------|
| 20240253 | Warm white | E26       | I-PAR16E26-6X1W-34degCr-WW(3000K)(AC100-120V)  | Cree      | 6       | 34°        | >80   | 459               | 7W                | 100-120V      | >0.90        | -20° to +40°C         |
| 20240254 | Daylight   | E26       | I-PAR16E26-6X1W-34degCr-WDL(6500K)(AC100-120V) | Cree      | 6       | 34°        | >70   | 598               | 7W                | 100-120V      | >0.90        | -20° to +40°C         |
| 20240255 | Warm white | E26       | I-PAR16E26-6X1W-52degCr-WW(3000K)(AC100-120V)  | Cree      | 6       | 52°        | >80   | 459               | 7W                | 100-120V      | >0.90        | -20° to +40°C         |
| 20240256 | Daylight   | E26       | I-PAR16E26-6X1W-52degCr-WDL(6500K)(AC100-120V) | Cree      | 6       | 52°        | >70   | 598               | 7W                | 100-120V      | >0.90        | -20° to +40°C         |

## Dimensions



## Packaging



## Fixture Compatibility

The T-type PAR16 is not compatible with all luminaires for halogen lamps. Before installation, please read following guidelines:

No sealed fixtures.

Not for outdoor fixtures.

Not for wet environment except IP65 version.

Not for integral primary optics.



## Safety & Environment Specifications

T-type Series PAR16 bulbs are manufactured to conform to the following safety criteria for GS, E.M.C, S-Mark, FCC,

| Certificated Mark | Items of certificated standard                                                                                                                      |
|-------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|
| CE                | EMC: EN55015, EN61000-3-2, EN61000-3-3, EN61547 (IEC61000-4-2, IEC61000-4-3, IEC61000-4-4, IEC61000-4-5, IEC61000-4-6, IEC61000-4-8, IEC61000-4-11) |
| LVD               | EN60968, EN61347-1, EN61347-2-13, EN60598-1, EN60598-2-4                                                                                            |
| TUV Rheinland     | J60968(H14)                                                                                                                                         |
| FCC               | Part18 Subpart C                                                                                                                                    |
| VCCI              | CISPR22 ClassB 10M Radiation                                                                                                                        |
| REACH             | Regulation (EC) No.1907/2006: (REACH) Artical 33                                                                                                    |
| RoHS              | Directive 2002/95/EC (RoHS) and corresponding amendment directives                                                                                  |

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