



RAY GU10 | CALM

GU10 7.5w retrofit bulb featuring Full Spectrum violet chip technology.

FEATURES

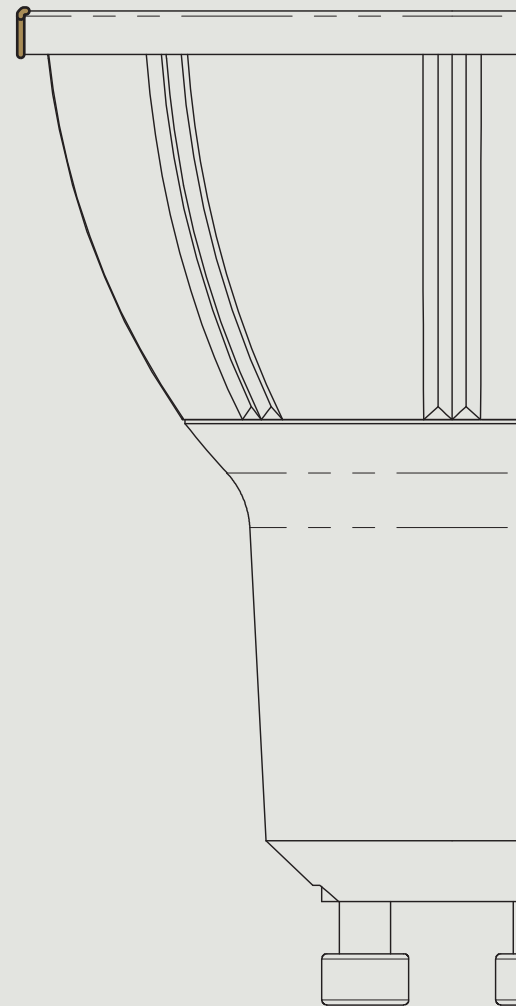
- Violet chip light source
- Circadian friendly, humancentric output
- Flicker Free Bridging Technology
- Micro-engineered Rippleless driver
- Full spectrum colour rendering
- SunRAY professional lens for optimal beam control and total lumen transfer

PRODUCT INFORMATION

- Energy savings up to 85% compared to halogen GU10
- No UV & IR rays, environmentally friendly
- Lifetime up to 40,000hrs, covered by 5 years warranty
- Suitable for enclosed fixtures with ventilation
- Compliant with IEC/EN62471 photobiological safety standard

OPERATION AND MAINTENANCE TIPS

- Turn power off before inspection, installation or removal
 - Lamps should be kept free from contamination.
 - The product is not suitable for emergency lighting
 - Do not operate product with damaged parts
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- **Not suitable for unvented light fixture**
If front black ring turns bronze this indicates lamp over heating due to unsuitable installation environment meaning warranty will be void





🇬🇧 Designed in Great Britain



ELECTRICAL AND PHOTOMETRIC CHARACTERISTICS

Nominal wattage:	7.5 W
Nominal voltage:	AC 220-240V
Operating frequency:	50/60Hz
Inrush/Drive Current:	< 1 A
Power factor:	0.8
Working temperature range:	-20°C ...+40°C
T-Case maximum	85°C
Starting time:	< 0.5 S
L70F20 lifetime at Ta: 25°C	25,000 hrs
Switching cycles:	> 50,000 times
Dimmable:	Yes
Beam angle:	10° / 25° / 38° / 60°
SDCM:	3 steps
Colour rendering index:	CRI97+
Risk group (EN 62471:2008):	RG1

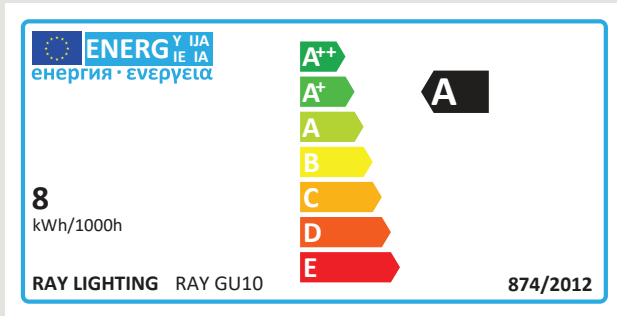
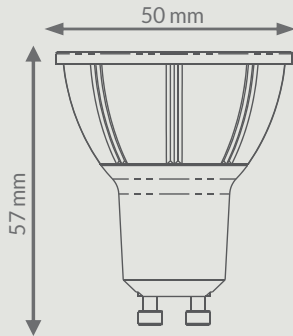
* Exceeding maximum ratings for operating temperature and input voltage will reduce expected life time or destroy the product.

SKU	Watt*	Volage	Current	CCT	Avg Flux*	CRI*	Angle*	Dimmable
RR-WM10-MD-C-27-10-GB	7.5 W	220-240 Vac	37 mA	2700 K	380 lm	Ra 97+	10°	Yes
RR-WM10-MD-C-27-25-GB	7.5 W	220-240 Vac	37 mA	2700 K	380 lm	Ra 97+	25°	Yes
RR-WM10-MD-C-27-38-GB	7.5 W	220-240 Vac	37 mA	2700 K	380 lm	Ra 97+	38°	Yes
RR-WM10-MD-C-27-60-GB	7.5 W	220-240 Vac	37 mA	2700 K	380 lm	Ra 97+	60°	Yes
RR-WM10-MD-C-30-10-GB	7.5 W	220-240 Vac	37 mA	3000 K	410 lm	Ra 97+	10°	Yes
RR-WM10-MD-C-30-25-GB	7.5 W	220-240 Vac	37 mA	3000 K	410 lm	Ra 97+	25°	Yes
RR-WM10-MD-C-30-38-GB	7.5 W	220-240 Vac	37 mA	3000 K	410 lm	Ra 97+	38°	Yes
RR-WM10-MD-C-30-60-GB	7.5 W	220-240 Vac	37 mA	3000 K	410 lm	Ra 97+	60°	Yes

Precise values for individual bulbs may vary within a small range from the typical value due to the special conditions of the manufacturing process. RAY Lighting maintains a tolerance of +/-10% on flux and power measurements, and a +2 on CRI.



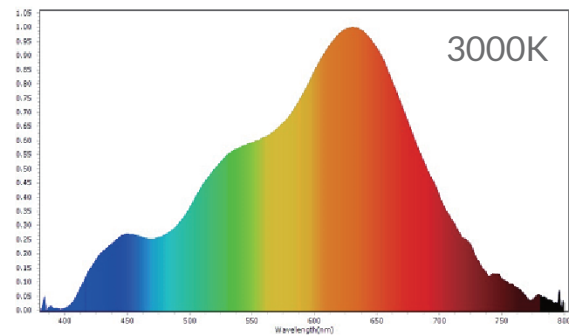
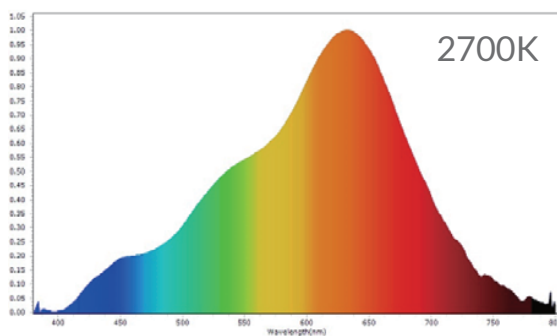
L I G H T I N G



MAXIMUM LOADING OF AUTOMATIC CIRCUIT

Breaker type	C10	C13	C16	C20	B10	B13	B16	B20	Inrush Drive/Current	Inrush time
Max. load	120	160	200	240	60	80	100	120	I _{max} 1A	130μs

SPECTRAL DISTRIBUTION



LIFETIME

