

LED Precise MR16 Dimmable Constant Colour™

7 & 7XW Replacements for 35 & 50W



DATA SHEET

Product information

GE's newest LED technology surpasses current market expectations for MR16 performance. Improved lumen output and an outstanding 45,000 hours life rating for a high quality halogen MR16 replacement.

Available in three colour temperatures and two beam angles. The new Constant Colour 35W and 50W equivalents have smooth heat sink and provide high colour consistency within 4 steps on the MacAdam ellipse.

Features & benefits

- COB design in 35weq and 50weq for halogen look-alike aesthetics
- 40mm light emitting surface area reduces glare
- Lamp outline meets IEC standard dimensions
- Extra-long L70 life for reduced maintenance costs
- Total lumen output up to 570 Lumens
- Compatible dimming on leading edge and trailing edge dimmers

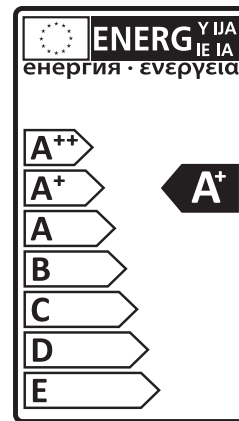
Application areas



Retail



Hospitality



Compliance

- EN 55015: Limits and methods of measurement of radio disturbance characteristics of electrical lighting
- EN 61547: Equipment for general lighting purposed EMC immunity requirements
- EN 61000-3-3: Limitation of voltage fluctuations and flicker in low voltage supply systems (equipment rated current $\leq 16A$)
- EN 61000-3-2: Limits — Limits for harmonic current emissions (equipment input current $k \leq 16 A$ per phase)
- IEC 62471: Photo biological safety of lamps and lamp systems
- IEC 60061: Lamp Caps and holders together with gauges for the control of interchangeability and safety



GE imagination at work

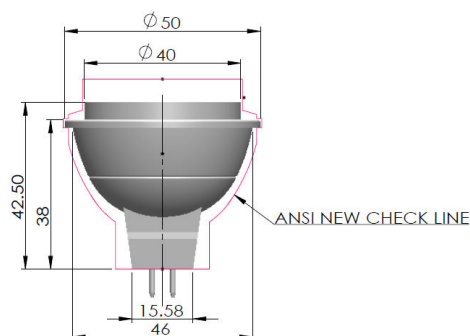
Specification summary

Type	Rated Power [W]	Base	CCT [K]	Total Lumens	DIM2 Lumen	Rated Angle	CBCP	Life L70 (Hrs)	EEC	Energy Consumption (kwh/1000h)	Pack Qty	Code
35W Replacement												
MR16	7	GU5.3	2700	420	390	25	1600	45000	A+	7.00	1/8	84635
MR16	7	GU5.3	2700	420	390	35	1000	45000	A+	7.00	1/8	84639
MR16	7	GU5.3	3000	440	410	25	1700	45000	A+	7.00	1/8	84640
MR16	7	GU5.3	3000	440	410	35	1000	45000	A+	7.00	1/8	84645
MR16	7	GU5.3	4000	480	450	25	1900	45000	A+	7.00	1/8	84647
MR16	7	GU5.3	4000	480	450	35	1200	45000	A+	7.00	1/8	84651
50W Replacement												
MR16	7	GU5.3	2700	500	470	25	2350	45000	A+	7.00	1/8	93029635
MR16	7	GU5.3	2700	500	470	35	1350	45000	A+	7.00	1/8	93021373
MR16	7	GU5.3	3000	530	490	25	2350	45000	A+	7.00	1/8	93031283
MR16	7	GU5.3	3000	530	490	35	1350	45000	A+	7.00	1/8	93021372
MR16	7	GU5.3	4000	570	530	35	1400	45000	A+	7.00	1/8	93021371

Common attributes

- Common attributes : CRI>80 for 2700K, 3000K, 4000K
- Input voltage 12V
- Warm up time: instant on
- Switching cycles: 90,000
- Power factor: >0.9

Dimensions [mm]



Recommended operation temperature



Thermal test point

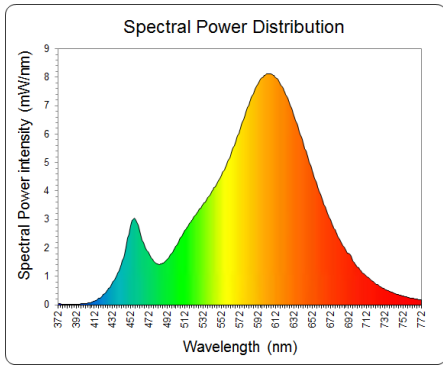
To meet B50 life claim	Temperature [°C]
Maximum T _{hs}	89

Operation & maintenance

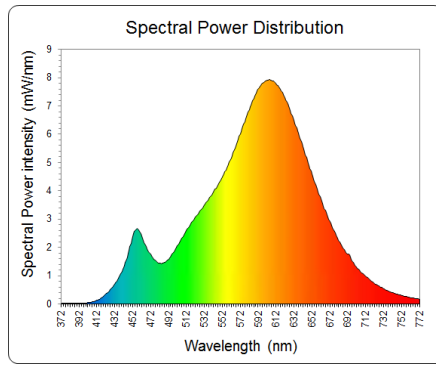
- Store and use the lamps the same way as traditional lamps.
- Check your fixtures are properly wired and don't deliver voltage spike to lamps causing overheating/failure.
- Ambient temperature range -20°C to 40°C
- Lamps should be kept free from contamination.
- Good condition of the lamp-holder contacts is important to ensure proper operation of lamp.
- Ensure lamp is cool before removing.
- Switch off mains supply before installing/removing lamp.
- Not for use in totally enclosed recessed fixtures.

GE LED Precise™ Constant Colour™ MR16 7W&7XW lamps are dimmable on most leading and trailing edge dimmers, for more information on dimming and transformer compatibility please check our website www.gelighting.com/dimming-led.

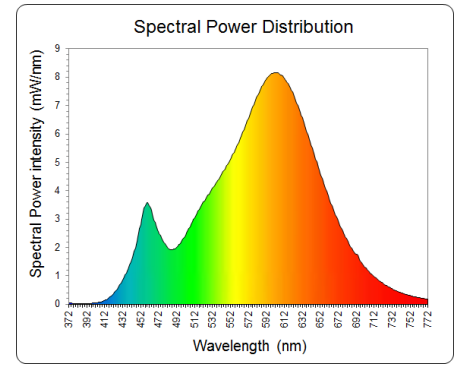
Spectral power distribution



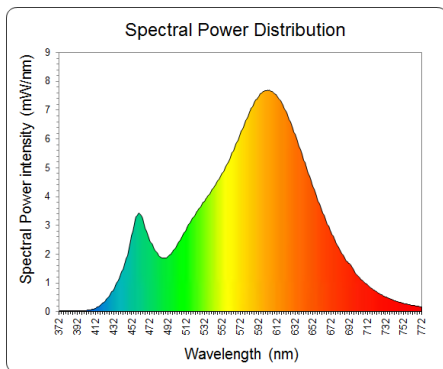
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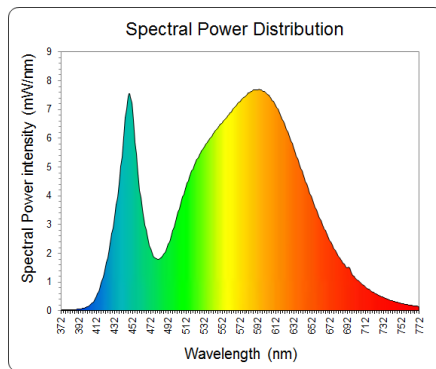
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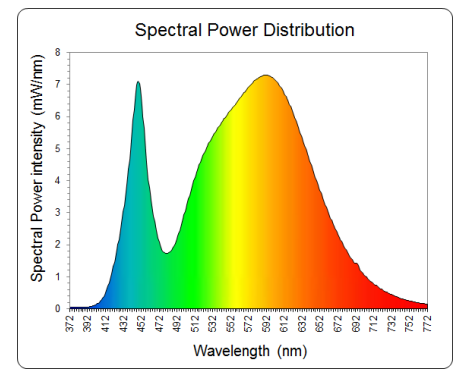
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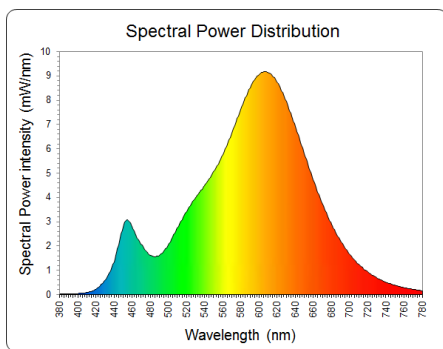
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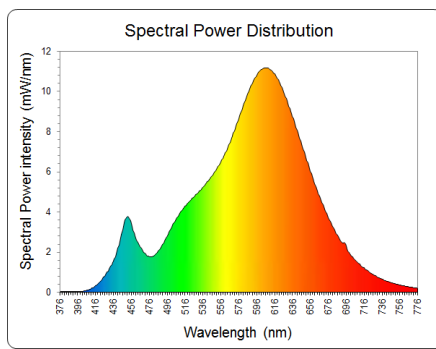
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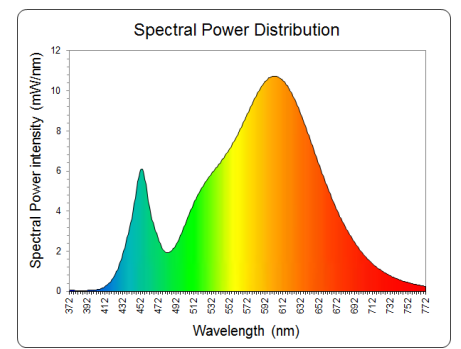
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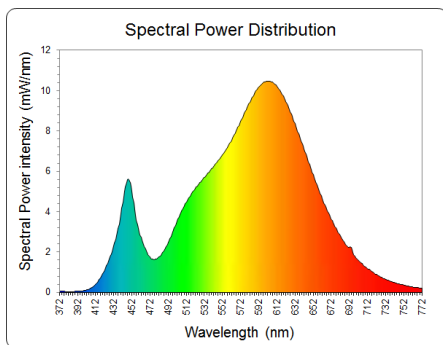
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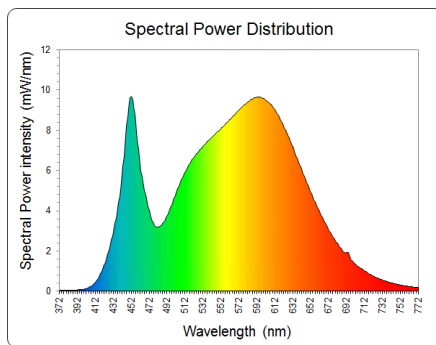
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