LED R50 & R63/PAR20 Dimmable

Product information

A wide range of LED Reflector options to replace standard Incandescent & Halogen R50 & R63 (or PAR16 & PAR20) lamps, providing significant energy and cost savings. The range offers extra long life of up to 50,000 hours for a true 'fit-&-forget' solution, as well as dimming to add an extra dimension to a superb product range.

Features

- Dimmable 10%~100%
- 2700K & 3000K
- 20 & 35 degree beam angles
- Up to 50,000h life hours
- 220 Lumens on R50, 300-330 Lumens on R63
- E14 & E27 caps

Application a reas

LED R50 & R63 Reflectors offer fantastic energy savings vs traditional lamps and are perfect for long-burn areas in commercial, hospitality and residential applications. Together with the greater beam control possible with LED Reflectors, these are ideal replacements for standard incandescent or halogen lamps for accent, display or general lighting applications providing an accurate, focused beam with minimal wasted, extraneous light.

Standards

- IEC 60061-1.: Lamp Caps and holders together with gauges for the control of interchangeablity and safety
- IEC or EN 60969.: Self ballasted lamps for general lighting services - Performance Requirements
- IEC or EN 60968.: Self-ballasted lamps for general lighting services - Safety requirements
- CIE S 009/E:2002.: Photobiological Safety of Lamps and Lamp Systems

- EN 61547.: Equipment for General Lighting purposes – EMC Immunity requirements
- EN 55015 or CISPR 15.: Limits and methods of measurement of radio disturbance characteristics of electrical lighting and similar equipment
- EN 61000-3-2.: Electromagnetic compatibility (EMC) – Part 3-2: Limits - Limits for harmonic current emissions (equipment input current up to and including 16 A per phase)
- EN 61000-3-3.: Electromagnetic compatibility (EMC) – Part 3-3: Limits – Limitation of voltage fluctuations and flicker in low-voltage supply systems for equipment with rated current up to 16 A
- EN 60630.: Maximum lamp outlines for incandescent lamps

Directives

- CE mark.: Directive 73/23/EEC, 2004/108/EC and 93/68/EEC
- RoHS.: Directive 2002/95/EC on Restrictions of the use of certain Hazardous Substances (RoHS)
- WEEE.: Directive 2002/96/EC on Waste Electrical and Electronic Equipment (WEE)
- REACH.: Directive 2006/1907/EC on Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)
- ErP : Directive 2009/125/EC on ecodesign requirements for directional lamps, light emitting diode lamps and related equipment.

GE imagination at work

# Reflector R50 and R63 LED lamps have the following common features

- 220-240V with power factor of 0.8
- Complete range with CRI >80 and 5-step MacAdam colour consistency
- Operating temperature: -20°C to +40°C

Specification summary

Watt	Cap	SKU	Product desciption	CCT	Lumen	Candela	Beam angle	CRI	Life (L70/B50)	Life (B50)	PF	Switch Cycles	CCT Steps	Pack Qty
5	E14	97283	LED5D/R50/827/220-240V/WFL	2 700	220	500	35	80	25 000	45 000	0,80	12 500	5	1/8
7	E27	62578	LED7DR63S/827/20/E27	2 700	300	1 900	20	80	50 000	50 000	0,80	25 000	5	1/8
7	E27	62582	LED7DR63S/827/35/E27	2 700	300	830	35	80	50 000	50 000	0,80	25 000	5	1/8
7	E27	79407	LED7DR63S/830/20/E27	3 000	330	2 000	20	80	50 000	50 000	0,80	25 000	5	1/8
7	E27	79408	LED7DR63S/830/35/E27	3 000	330	850	35	80	50 000	50 000	0,80	25 000	5	1/8

Dimensions

R50

50.2mm

82.9mm

R63

63mm

105mm
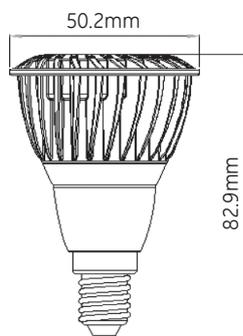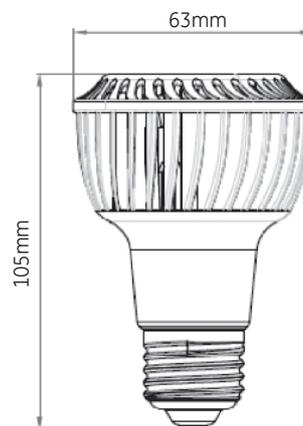
Maximum T_{hs} recommended

PAR20/R63 7W Dimmable 85° C
PAR16/R50 5W Dimmable 89° C

Maximum T_a recommended

40° C

R50/PAR16

R63/PAR20

Test point

Lumen maintenance at rated life

>70% lumen maintenance by 90% of R50 lamps at 25,000 hours
>70% lumen maintenance by 90% of R63 lamps at 50,000 hours

Operation and maintenance

- Suitable for use in open and recessed fixtures (not closed) with 10mm air gap
- Store and use the lamps the same way as halogen lamps.
- Suitable for voltage fluctuations of +/- 10%
- Switch off mains supply before installing/removing lamp.
- Dimmable on leading edge TRIAC dimmers.
- Safe on Dimmers, Photo- and Timer-circuits
- Ambient temperature range -20° C to 40°C