The ultimate Saver!

MASTER PL-R Eco 4 Pin

MASTER PL-R Eco is an extremely efficient compact fluorescent lamp for downlight applications. It consists of six parallel tubes with a new innovative 'twist and lock' lamp base, designed for operation with electronic gear. The MASTER PL-R Eco contains the original bridge technology invented and patented by Philips. This guarantees optimum performance in the application and results in significantly higher efficacies than with regular compact fluorescent lamps. On top of that, MASTER PL-R Eco lamps offer more than double the service life of a standard compact fluorescent lamp, thanks to superior lumen maintenance. The 'twist and lock' lamp base provides easy and safe (dis-)mounting and sturdy fixation in the luminaire.

Benefits
- Up to 50% less energy consumption in application versus 18 and 26W PL-C/T on electromagnetic ballasts for comparable lighting levels
- Up to 25% less energy consumption in application versus 18 and 26W PL-C/T on electronic drivers for comparable lighting levels
- Easy lamp (re-)placement and stable fixation due to new twist and lock lampbase / holder
- Longer lifetime and less early failures lead to less hassle and lower maintenance costs and facilitate the change from spot to group replacement
- Dimming possible down to 10 %

Features
- Twist and lock 4-pin lamp base GR14q-1 without starter and capacitor
- Maximum light output reached at approximately 35-40 °C in free-burning base-up position
- Fluorescent tri-phosphor technology
- Extra long lifetime and less early failures
- Very low light depreciation over lamp life
- Service lifetime of 19000 hours

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Application

· Designed for general down-lighting in (semi-)professional indoor applications:
  offices, retail, hospitals, governmental and public buildings
· Ideal for use in recessed or surface mounted downlighters, wall units
· Suitable for use in applications where maintenance costs are high (high ceilings,
  difficult to reach):department stores, supermarkets, warehouses, production halls
  and public areas

Warnings and Safety

· Lamp light technical and electrical characteristics are influenced by operating conditions, i.e. lamp ambient temperature and
  operating position as well as applied HF control gear
· Shorter lamp life when often switching and not well pre-heated electrodes
· A lamp breaking is extremely unlikely to have any impact on your health. If a lamp breaks, ventilate the room for 30 minutes and
  remove the parts, preferably with gloves. Put them in a sealed plastic bag and take it to your local waste facilities for recycling. Do
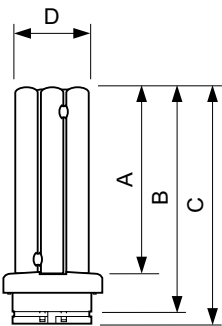 not use a vacuum cleaner.

Versions

LPPR PLR4P 14W GR14q-1   LPPR PLR4P 17W GR14q-1

Dimensional drawing

Product	D (max)	A (max)	B (max)	C (max)
MASTER PL-R Eco 14W/830/4P 1CT/5X10BOX	41.0 mm	99.7 mm	120.0 mm	126.6 mm
MASTER PL-R Eco 14W/840/4P 1CT/5X10BOX	41.0 mm	99.7 mm	120.0 mm	126.6 mm
MASTER PL-R Eco 17W/830/4P 1CT/5X10BOX	41.0 mm	121.7 mm	142.0 mm	148.6 mm
MASTER PL-R Eco 17W/840/4P 1CT/5X10BOX	41.0 mm	121.7 mm	142.0 mm	148.6 mm

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General Information

Cap-Base	GR14q-1

Operating and Electrical

Lamp Current (Nom)	0.150 A

Controls and Dimming

Dimmable	Yes

Approval and Application

Mercury (Hg) Content (Max)	1.4 mg
Mercury (Hg) Content (Nom)	1.4 mg

Light Technical

Order Code	Full Product Name	Chromaticity Coordinate X (Nom)	Chromaticity Coordinate Y (Nom)	Color Designation	Correlated Color Temperature (Nom)	Color rendering index (CRI)	Luminous Efficacy (rated) (Nom)	Luminous Flux
927909983050	MASTER PL-R Eco 14W/830/4P 1CT/5X10BOX	0.44	0.403	Warm White (WW)	3000 K	82	72 lm/W	1,000 lm
927909984050	MASTER PL-R Eco 14W/840/4P 1CT/5X10BOX	0.38	0.38	Cool White (CW)	4000 K	80	72 lm/W	1,000 lm
927910083050	MASTER PL-R Eco 17W/830/4P 1CT/5X10BOX	0.44	0.403	Warm White (WW)	3000 K	82	70 lm/W	1,150 lm
927910084050	MASTER PL-R Eco 17W/840/4P 1CT/5X10BOX	0.38	0.38	Cool White (CW)	4000 K	80	70 lm/W	1,200 lm

Operating and Electrical

Order Code	Full Product Name	Power Consumption	Order Code	Full Product Name	Power Consumption
927909983050	MASTER PL-R Eco 14W/830/4P 1CT/5X10BOX	14.7 W	927910083050	MASTER PL-R Eco 17W/830/4P 1CT/5X10BOX	17.7 W
927909984050	MASTER PL-R Eco 14W/840/4P 1CT/5X10BOX	14.7 W	927910084050	MASTER PL-R Eco 17W/840/4P 1CT/5X10BOX	17.7 W

Approval and Application

Order Code	Full Product Name	Energy Consumption kWh/1000 h	Order Code	Full Product Name	Energy Consumption kWh/1000 h
927909983050	MASTER PL-R Eco 14W/830/4P 1CT/5X10BOX	15 kWh	927910083050	MASTER PL-R Eco 17W/830/4P 1CT/5X10BOX	18 kWh
927909984050	MASTER PL-R Eco 14W/840/4P 1CT/5X10BOX	15 kWh	927910084050	MASTER PL-R Eco 17W/840/4P 1CT/5X10BOX	18 kWh

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