



# MASTER PL-R Eco 4 Pin

MASTER PL-R Eco 14W/840/4P 1CT

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.

## Product data

### • General Characteristics

Cap-Base	GR14q-1
Cap-Base Information	4P
Life to 10% fail Preheat EL,3h	19000 hr
Life to 10% fail Nonpreh EL,3h	10000 hr
Life to 50% fail Preheat EL,3h	24000 hr
Life to 50% fail Nonpreh EL,3h	12000 hr
LSF HF Preheat 2000h Rated,3h	99 %
LSF HF Preheat 4000h Rated,3h	99 %
LSF HF Preheat 6000h Rated,3h	99 %
LSF HF Preheat 8000h Rated,3h	98 %
LSF HF Preheat 12000h Rated,3h	97 %
LSF HF Preheat 16000h Rated,3h	94 %
LSF HF Preheat 20000h Rated,3h	87 %

### • Light Technical Characteristics

Color Code	840 [CCT of 4000K]
Color Rendering Index	82 Ra8
Color Designation (text)	Cool White
Color Temperature	4000 K
Luminous Flux EL 35°C base up	1200 Lm

Lum Flux Nom. HF 25°C,base up	1050 Lm
Lum Flux Rated HF 25°C,base up	1050 Lm
Lum Efficacy Rated HF 25°C	72 Lm/W
LLMF HF 2000h Rated	96 %
LLMF HF 4000h Rated	94 %
LLMF HF 6000h Rated	93 %
LLMF HF 8000h Rated	92 %
LLMF HF 12000h Rated	91 %
LLMF HF 16000h Rated	90 %
LLMF HF 20000h Rated	89 %
Design Temperature	35 C
Chromaticity Coordinate X	387 -
Chromaticity Coordinate Y	389 -

### • Electrical Characteristics

Lamp Wattage	14 W
Wattage EL 25°C base up,Rated	14.5 W
Wattage EL 25°C base up, Nom.	14 W
Lamp Wattage EL 35°C base up	15 W
Lamp Voltage EL 25°C base up	100 V



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Lamp Current EL 0.150 A  
 25°C base up  
 Dimmable Yes

## • Environmental Characteristics

Energy Efficiency Label (EEL) A  
 Mercury (Hg) Content 1.4 mg  
 Energy consumption kWh/1000h 17 kWh

## • Product Dimensions

Base Face to Base Face A 99.7 (max) mm  
 Insertion Length B 120.0 (max) mm  
 Overall Length C 126.6 (max) mm  
 Diameter D 41.0 (max) mm

## • Product Data

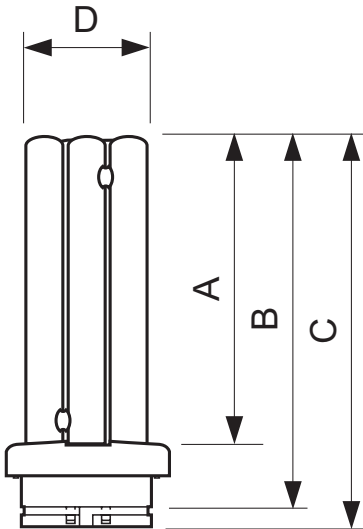
Order code 927909984050  
 Full product code 927909984050  
 Full product name MASTER PL-R Eco 14W/840/4P 1CT  
 Order product name MASTER PL-R Eco 14W/840/4P 1CT/5X10BOX  
 Pieces per pack 1  
 Packing configuration 5X10CC  
 Packs per outerbox 50  
 Bar code on pack - EAN1 8711500265982  
 Bar code on intermediate packing - EAN2 8711500265999  
 Bar code on outerbox - EAN3 8711500266002  
 Logistic code(s) - 12NC 927909984050  
 ILCOS code FSM6H-14/40/1B-L/P-GR14q=1  
 Net weight per piece 70.000 gr

## 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

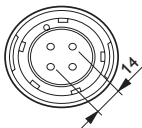
- Shorter lamp life when often switching and not well pre-heated electrodes

## Dimensional drawing



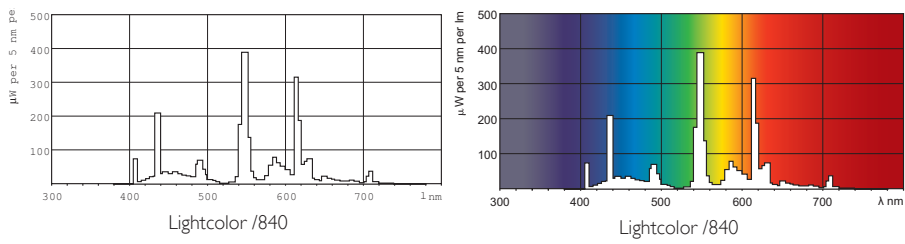
## MASTER PL-R Eco 14W/840/4P 1CT

Product	A (Max)	B (Max)	C (Max)	D (Max)
PL-R 14W/840/4P	99.7	120.0	126.6	41.0



GR14q-1

Photometric data



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2013, October 9  
data subject to change