



# Product Description

## MASTER HPI-T Plus

Quartz metal halide lamps with clear outer bulb

### Benefits

- High safety and comfort level, maintained over life
- Minimal maintenance cost
- Initial investment saving options with "Plus"-concept

### Features

- Clear tubular outer bulb
- Unique 3-band technology resulting in high luminous efficacy, both initially and over long lifetime
- Renders a natural white colour appearance and good colour stability

### Application

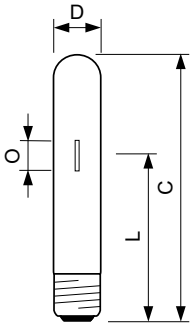
- Sports lighting, floodlighting of buildings and monuments, area lighting e.g. harbours and building sites, canopy lighting e.g. petrol stations, horticultural lighting

### Versions



# MASTER HPI-T Plus

## Dimensional drawing



Product	D (max)	O	L	C (max)
MASTER HPI-T Plus 400W/645 E40 1SL/12	47 mm	30.5 mm	168 mm	286 mm
MASTER HPI-T Plus 400W/643 E39 1SL	47 mm	30.5 mm	165 mm	283 mm
MASTER HPI-T Plus 250W/643 E39 1SL	47 mm	29 mm	152 mm	252 mm

# MASTER HPI-T Plus

## Approval and Application

Energy Consumption kWh/1000 h	420 kWh
Mercury (Hg) Content (Nom)	29.5 mg

## Controls and Dimming

Dimmable	no
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## Operating and Electrical

Lamp Current (EM) (Nom)	3.4 A
Voltage (Max)	135 V
Voltage (Min)	115 V
Voltage (Nom)	125 V
Power (Rated) (Nom)	382 W

## General Information

Life To 10% Failures (Nom)	7500 h
Life To 20% Failures (Nom)	11000 h
Life To 50% Failures (Nom)	20000 h
Life To 5% Failures (Nom)	5000 h
Operating Position	P20
System Description	Horizontal

## Luminaire Design Requirements

Bulb Temperature (Max)	600 °C
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## Light Technical

Chromaticity Coordinate X (Nom)	361
Chromaticity Coordinate Y (Nom)	372
Colour Code	645
Colour Designation	Cool White (CW)
Correlated Colour Temperature (Nom)	4500 K
Lumen Maintenance 10000 h (Nom)	70 %
Lumen Maintenance 2000 h (Min)	75 %
Lumen Maintenance 2000 h (Nom)	90 %
Lumen Maintenance 20000 h	60 %
Lumen Maintenance 5000 h (Min)	65 %
Lumen Maintenance 5000 h (Nom)	80 %
Luminous Flux (Rated) (Min)	30000 lm
Luminous Flux (Rated) (Nom)	32000 lm

## Mechanical and Housing

Bulb Finish	Clear (CL)
Bulb Shape	T46

## Approval and Application

Order Code	Full Product Name	Energy Efficiency Label (EEL)
928481600096	MASTER HPI-T Plus 400W/645 E40 1SL/12	A+
928483500191	MASTER HPI-T Plus 400W/643 E39 1SL	-

## General Information

Order Code	Full Product Name	Cap-Base	Order Code	Full Product Name	Cap-Base
928481600096	MASTER HPI-T Plus 400W/645 E40 1SL/12	E40	928483500191	MASTER HPI-T Plus 400W/643 E39 1SL	E39

## Light Technical

# MASTER HPI-T Plus

Order Code	Full Product Name	Colour	
		Rendering Index (Nom)	Luminous Efficacy (rated) (Nom)
928481600096	MASTER HPI-T Plus 400W/645 E40 1SL/12	65	84 lm/W

Order Code	Full Product Name	Colour	
		Rendering Index (Nom)	Luminous Efficacy (rated) (Nom)
928483500191	MASTER HPI-T Plus 400W/643 E39 1SL	69	89 lm/W

## Color Rendering Diagrams

