



# MASTER HPI-T Plus

## MASTER HPI-T Plus 250W/645 E40 1SL/12

Quartz metal halide lamps with clear outer bulb

### Product data

General Information	
Cap-Base	E40 [ E40]
Operating Position	P20 [ Parallel +/-20D or Horizontal(HOR)]
Life to 5% Failures (Nom)	5000 h
Life To 10% Failures (Nom)	7500 h
Life to 20% Failures (Nom)	11000 h
Life to 50% Failures (Nom)	20000 h
System Description	Horizontal Operating Position

Light Technical	
Color Code	645 [ CCT of 4500K]
Luminous Flux (Rated) (Min)	17550 lm
Luminous Flux (Rated) (Nom)	19500 lm
Color Designation	Cool White (CW)
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 %
Chromaticity Coordinate X (Nom)	365
Chromaticity Coordinate Y (Nom)	377
Correlated Color Temperature (Nom)	4500 K
Luminous Efficacy (rated) (Nom)	79 lm/W
Color Rendering Index (Nom)	65

Operating and Electrical	
Power (Nom)	247 W
Lamp Current Run-Up (Max)	3.9 A
Lamp Current (EM) (Nom)	2.1 A
Ignition Supply Voltage (Max)	198 V
Ignition Peak Voltage (Max)	560 V
Ignition Supply Voltage (Min)	198 V
Ignition Time (Max)	10 s
Voltage (Max)	138 V
Voltage (Min)	118 V
Voltage (Nom)	128 V

Controls and Dimming	
Dimmable	No

Mechanical and Housing	
Bulb Finish	Clear

Approval and Application	
Energy Efficiency Label (EEL)	A
Mercury (Hg) Content (Nom)	36 mg
Energy Consumption kWh/1000 h	272 kWh

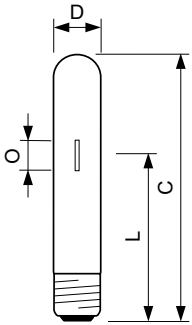
Luminaire Design Requirements	
Bulb Temperature (Max)	550 °C

# MASTER HPI-T Plus

Cap-Base Temperature (Max)	250 °C
<b>Product Data</b>	
Full product code	871150017989015
Order product name	MASTER HPI-T Plus 250W/645 E40 1SL/12
EAN/UPC - Product	8711500179890
Order code	928481300098

Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	12
Material Nr. (12NC)	928481300098
Net Weight (Piece)	0.142 kg

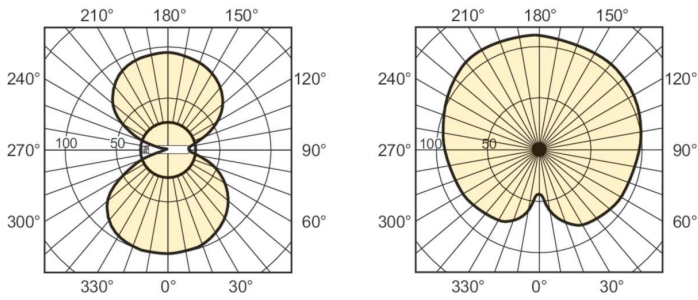
## Dimensional drawing



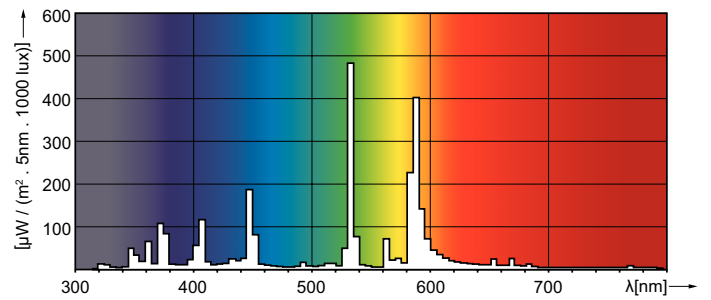
HPI-T Plus 250W/645 E40

Product	D (max)	O	L	C (max)
MASTER HPI-T Plus 250W/645 E40 1SL/12	47 mm	29 mm	155 mm	255 mm

## Photometric data



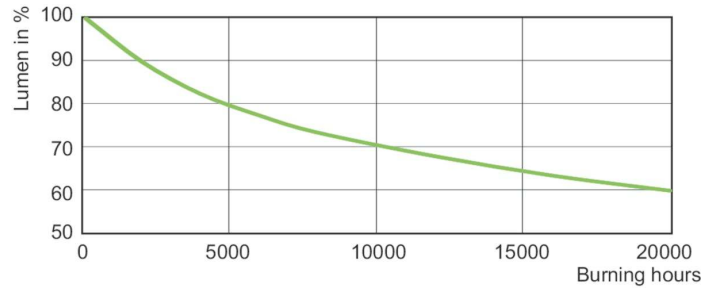
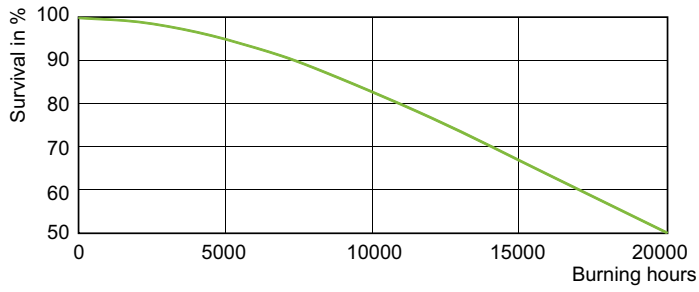
HPI-T



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# MASTER HPI-T Plus

## Lifetime



HPI-T Life Expectancy

HPI-T Lumen Maintenance

