



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]
Burning 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 [Horizontal Operating Position]
Light Technical	
Colour Code	645 [CCT of 4,500 K]
Lamp Luminous Flux (Min)	17550 lm
Lamp Luminous Flux (Nom)	19500 lm
Colour Designation	Cool White (CW)
Lumen maintenance 10,000 hours (nom.)	70 %
Lumen maintenance 2,000 hours (min.)	75 %
Lumen maintenance 2,000 hours (nom.)	90 %
Lumen maintenance 20,000 hours	60 %
Lumen maintenance 5,000 hours (min.)	65 %
Lumen maintenance 5,000 hours (nom.)	80 %
Chromaticity coordinate X (nom.)	365
Chromaticity coordinate Y (nom.)	377
Colour Temperature, horizontal (Nom)	4500 K
Lamp Luminous Efficacy EM (Nom)	79 lm/W
Colour Rendering Index,horiz (Nom)	65

Operating and Electrical	
Power (Rated) (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

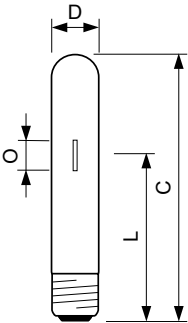
Luminaire Design Requirements	
Bulb temperature (max.)	550 °C

MASTER HPI-T Plus

Cap base temperature (max.)	250 °C
Product Data	
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 no. (12NC)	928481300098
Net weight (piece)	0.142 kg

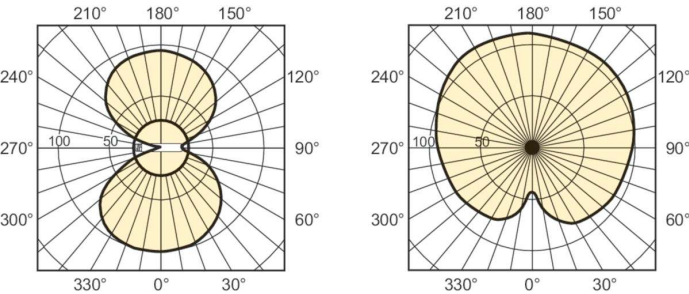
Dimensional drawing



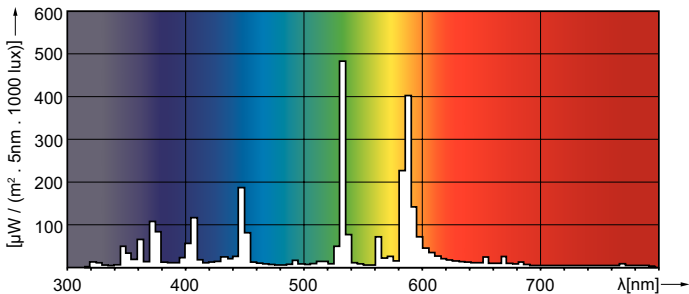
HPI-T Plus 250W/645 E40

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



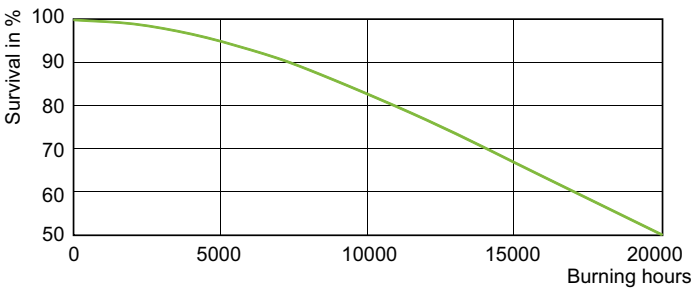
LDLD_HPI-T-Light distribution diagram



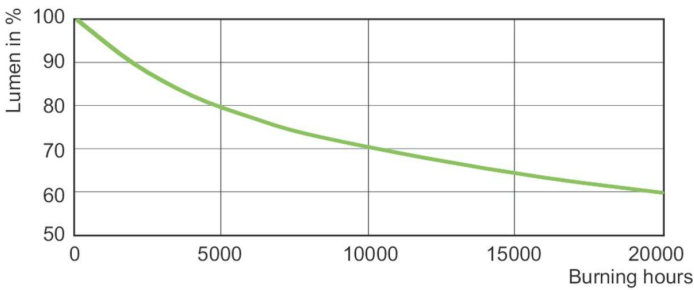
LDPO_HPI-T Plus_250W_400W-Spectral power distribution Colour

MASTER HPI-T Plus

Lifetime



LDLE_HPI-T_0001-Life expectancy diagram



LDLM_HPI-T_0001-Lumen maintenance diagram

