



Product Description

HPI-T

Quartz metal halide lamps with clear outer bulb

Benefits

- High safety and comfort level, maintained over life
- Minimal maintenance cost

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

Warnings and Safety

- Use only in totally enclosed luminaire, even during testing (IEC61167, IEC 62035, IEC60598)
- The luminaire must be able to contain hot lamp parts if the lamp ruptures
- For use with control gear designed for high-pressure mercury lamps
- 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.

PHILIPS

Related products

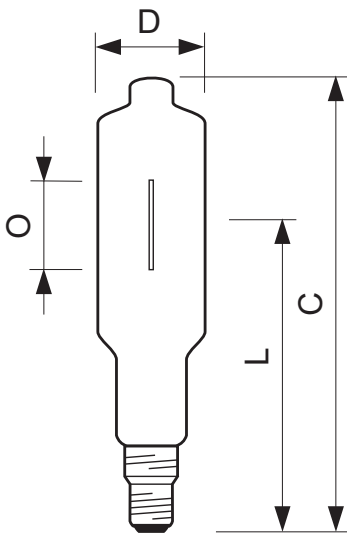


HPI-T, 1000W, E40



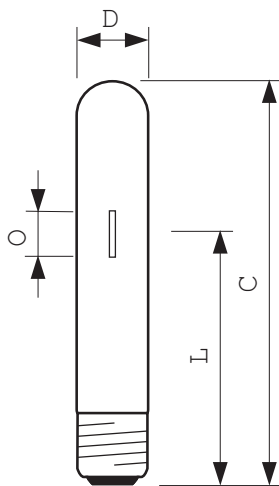
HPI-T, 2000W, E40

Dimensional drawing



HPI-T 2000W/646 E40 220V 1SL

Product	C (Max)	D (Max)	L (Norm)	O (Norm)
HPI-T 2000W/646 E40 220V	430	101.5	290	89
HPI-T 2000W/542 HO E40 380V	430	101.5	267	120



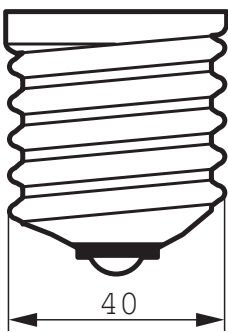
HPI-T 1000W/543 E40 1SL

Product	C (Max)	D (Max)	L (Norm)	O (Norm)
HPI-T 1000W/543 E40	382	66	240	80
HPI-T 1000W/543 E40	382	66	240	80

General Characteristics

Order code	Full product name	System Description	Cap-Base	Bulb	Bulb Finish	Burning Position	Life to 5% failures	Life to 10% failures	Life to 20% failures	Life to 50% failures
203687 45	HPI-T 1000W/543 E40 1SL	-	GES	T65	Clear	p	3000 hr	5500 hr	8000 hr	12000 hr
183736 45	HPI-T 1000W/543 E40 220V 1SL	-	GES	T65	Clear	p	3000 hr	5500 hr	8000 hr	12000 hr
183767 45	HPI-T 2000W/646 E40 220V 1SL	-	GES	T100	Clear	p75	3000 hr	5500 hr	8000 hr	12000 hr
202352 45	HPI-T 2000W/542 E40 380V 1SL	High Output	GES	T100	Clear	p20	3000 hr	5500 hr	8000 hr	12000 hr

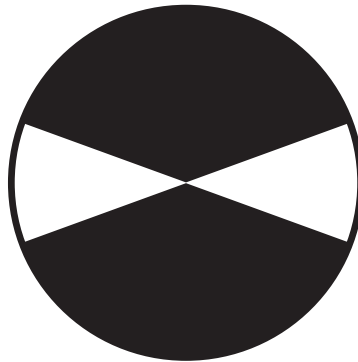
Installation diagrams



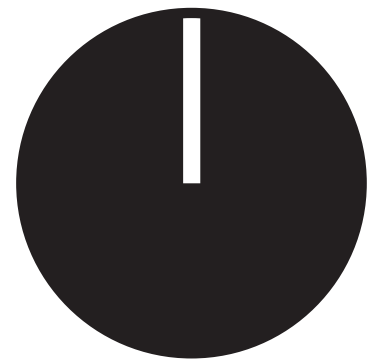
E40



p75



p20



p

Light Technical Characteristics (1/2)

Order code	Full product name	Colour Code	Colour Rendering Index	Colour Designation	Colour Temperature	Lamp Luminous Flux EM	Lamp Luminous Efficacy EM	Lumen Maintenance 1500h	Lumen Maintenance 2000h	Lumen Maintenance 5000h	Lumen Maintenance 10000h
203687 45	HPI-T 1000W/543 E40 1SL	543	57 Ra8	Cool White	4300 K	85000 Lm	86 Lm/W	90 %	87 %	80 %	75 %
183736 45	HPI-T 1000W/543 E40 220V 1SL	543	57 Ra8	Cool White	4300 K	85000 Lm	86 Lm/W	90 %	87 %	80 %	75 %

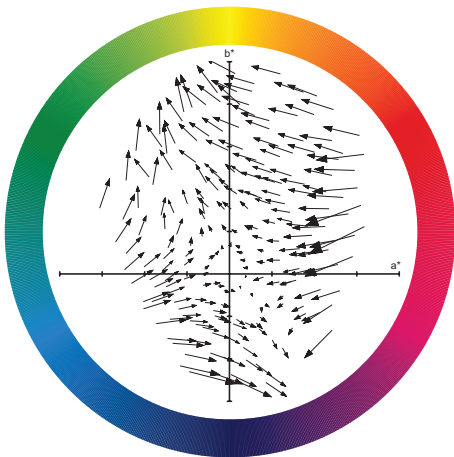
Order code	Full product name	Colour Code	Colour Rendering Index	Colour Designation	Colour Temperature	Lamp Luminous Flux EM	Lamp Luminous Efficacy EM	Lumen Maintenance 1500h	Lumen Maintenance 2000h	Lumen Maintenance 5000h	Lumen Maintenance 10000h
183767 45	HPI-T 2000W/646 E40 220V 1SL	646	65 Ra8	Cool White	4200 K	189000 Lm	96 Lm/W	80 %	77 %	67 %	60 %
202352 45	HPI-T 2000W/542 E40 380V 1SL	542	65 Ra8	Cool White	3800 K	210000 Lm	107 Lm/W	92 %	90 %	80 %	75 %

Light Technical Characteristics (2/2)

Order code	Full product name	Chromaticity Coordinate X	Chromaticity Coordinate Y
203687 45	HPI-T 1000W/543 E40 1SL	370 -	380 -
183736 45	HPI-T 1000W/543 E40 220V 1SL	370 -	380 -

Order code	Full product name	Chromaticity Coordinate X	Chromaticity Coordinate Y
183767 45	HPI-T 2000W/646 E40 220V 1SL	375 -	385 -
202352 45	HPI-T 2000W/542 E40 380V 1SL	387 -	403 -

Light technical

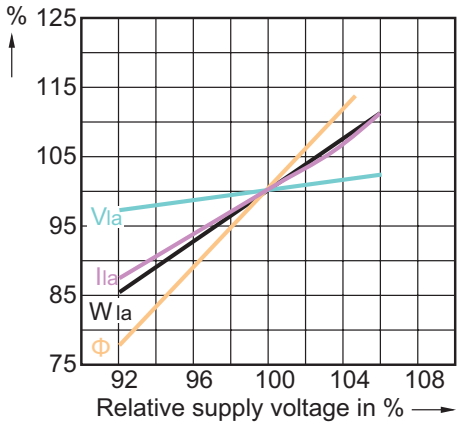


HPI-T 1000W, 2000W

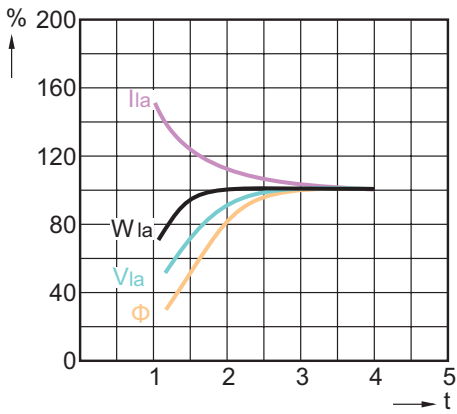
Electrical Characteristics

Order code	Full product name	Lamp Wattage	Lamp Wattage EM 25°C, Nominal	Lamp Wattage EM 25°C, Rated	Voltage	Lamp Voltage	Lamp Current EM	Dimmable
203687 45	HPI-T 1000W/543 E40 1SL	1000 W	1000.0 W	985.0 W	220 V	130 V	8.25 A	no
183736 45	HPI-T 1000W/543 E40 220V 1SL	1000 W	1000.0 W	985.0 W	220 V	130 V	8.25 A	no
183767 45	HPI-T 2000W/646 E40 220V 1SL	2000 W	2000.0 W	1960.0 W	220 V	130 V	16.5 A	no
202352 45	HPI-T 2000W/542 E40 380V 1SL	2000 W	2000.0 W	1955.0 W	380 V	232 V	9.1 A	no

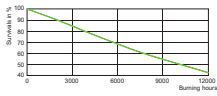
Performance diagrams



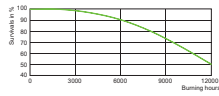
HPI-T



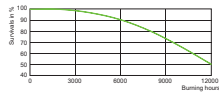
HPI-T



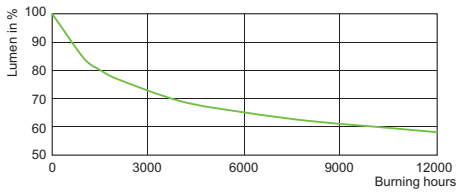
HPI-T 2000 W Life
Expectancy 220 V



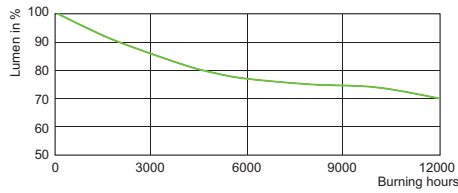
HPI-T 2000 W Life
Expectancy 380 V



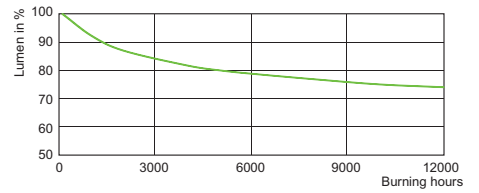
HPI-T 1000 W Life
Expectancy



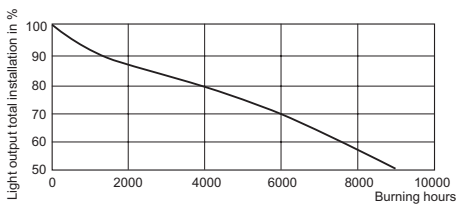
HPI-T 2000 W Lumen Maintenance 220 V



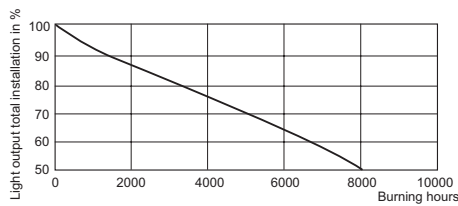
HPI-T 2000 W Lumen Maintenance 380 V



HPI-T 1000 W Lumen Maintenance



HPI-T 1000 W, 2000 W Service Lifetime



HPI-T 2000 W Service Lifetime /542

Environmental Characteristics

Order code	Full product name	Energy Efficiency Label (EEL)	Mercury (Hg) Content	Energy consumption kWh/1000h
203687 45	HPI-T 1000W/543 E40 1SL	A+	86 mg	1083 kWh
183736 45	HPI-T 1000W/543 E40 220V 1SL	A+	86 mg	1083 kWh
183767 45	HPI-T 2000W/646 E40 220V 1SL	A+	155 mg	2156 kWh
202352 45	HPI-T 2000W/542 E40 380V 1SL	A+	256 mg	2150 kWh

Luminaire Design Requirements

Order code	Full product name	Cap-Base Temperature	Bulb Temperature
203687 45	HPI-T 1000W/543 E40 1SL	300 (max) C	555 (max) C
183736 45	HPI-T 1000W/543 E40 220V 1SL	300 (max) C	555 (max) C
183767 45	HPI-T 2000W/646 E40 220V 1SL	300 (max) C	600 (max) C
202352 45	HPI-T 2000W/542 E40 380V 1SL	300 (max) C	600 (max) C



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