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 color appearance and good color stability

Application

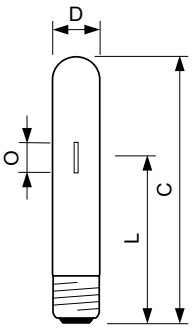
- Sports lighting. floodlighting of buildings and monuments, area lighting e.g. harbours and building sites, canopy lighting e.g. petrol stations, horticultural lighting

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 or sodium 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.

MASTER HPI-T Plus

Dimensional drawing



Product	D (max)	O	L	C (max)
HPI-T Plus 250W/645 E40 1SL/12	47 mm	29 mm	155 mm	255 mm
HPI-T Plus 400W/645 E40 1SL/12	47 mm	30.5 mm	168 mm	286 mm
MASTER HPI-T Plus 250W/645 E40 1SL	47 mm	29 mm	155 mm	255 mm
MASTER HPI-T Plus 250W/645 E40 1SL/12	47 mm	29 mm	155 mm	255 mm
MASTER HPI-T Plus 250W/645 E40 1SL/12	47 mm	29 mm	155 mm	255 mm
MASTER HPI-T Plus 400W/643 CL 1SL	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 400W/645 E40 1SL/12	47 mm	30.5 mm	168 mm	286 mm
MASTER HPI-T Plus 400W/645 E40 1SL/12	47 mm	30.5 mm	168 mm	286 mm

General Information

Operating Position	P20

Light Technical

Color Designation	Cool White (CW)

Controls and Dimming

Dimmable	No

Mechanical and Housing

Bulb Finish	Clear
Bulb Shape	T46

General Information

Order Code	Full Product Name	Cap-Base
928076109299	MASTER HPI-T Plus 250W/645 E40 1SL	E40
928473709299	MASTER HPI-T Plus 400W/643 CL 1SL	E40
928481300096	MASTER HPI-T Plus 250W/645 E40 1SL/12	E40
928481300097	HPI-T Plus 250W/645 E40 1SL/12	E40
928481300098	MASTER HPI-T Plus 250W/645 E40 1SL/12	E40

Order Code	Full Product Name	Cap-Base
928481600094	MASTER HPI-T Plus 400W/645 E40 1SL/12	E40
928481600095	HPI-T Plus 400W/645 E40 1SL/12	E40
928481600096	MASTER HPI-T Plus 400W/645 E40 1SL/12	E40
928483500191	MASTER HPI-T Plus 400W/643 E39 1SL	E39

Light Technical

Order Code	Full Product Name	Chromaticity Coordinate X (Nom)	Chromaticity Coordinate Y (Nom)	Correlated Color Temperature (Nom)	Color rendering index (CRI)	Luminous Efficacy (rated) (Nom)
928076109299	MASTER HPI-T Plus 250W/645 E40 1SL	365	377	4500 K	65	84 lm/W
928473709299	MASTER HPI-T Plus 400W/643 CL 1SL	369	375	4300 K	65	90 lm/W
928481300096	MASTER HPI-T Plus 250W/645 E40 1SL/12	365	377	4500 K	65	79 lm/W
928481300097	HPI-T Plus 250W/645 E40 1SL/12	365	377	4500 K	65	79 lm/W
928481300098	MASTER HPI-T Plus 250W/645 E40 1SL/12	365	377	4500 K	65	79 lm/W
928481600094	MASTER HPI-T Plus 400W/645 E40 1SL/12	361	372	4500 K	65	83 lm/W
928481600095	HPI-T Plus 400W/645 E40 1SL/12	361	372	4500 K	65	83 lm/W
928481600096	MASTER HPI-T Plus 400W/645 E40 1SL/12	361	372	4500 K	65	83 lm/W
928483500191	MASTER HPI-T Plus 400W/643 E39 1SL	361	372	4500 K	69	83 lm/W

Operating and Electrical

MASTER HPI-T Plus

Order Code	Full Product Name	Voltage (Nom)	Power Consumption
928076109299	MASTER HPI-T Plus 250W/645 E40 1SL	128 V	245 W
928473709299	MASTER HPI-T Plus 400W/643 CL 1SL	125 V	390 W
928481300096	MASTER HPI-T Plus 250W/645 E40 1SL/12	128 V	247 W
928481300097	HPI-T Plus 250W/645 E40 1SL/12	128 V	247 W
928481300098	MASTER HPI-T Plus 250W/645 E40 1SL/12	128 V	247 W
928481600094	MASTER HPI-T Plus 400W/645 E40 1SL/12	125 V	385 W
928481600095	HPI-T Plus 400W/645 E40 1SL/12	125 V	385 W
928481600096	MASTER HPI-T Plus 400W/645 E40 1SL/12	125 V	385 W
928483500191	MASTER HPI-T Plus 400W/643 E39 1SL	125 V	385 W

Approval and Application

Order Code	Full Product Name	Energy Consumption kWh/ 1000 h	Mercury (Hg) Content (Nom)
928076109299	MASTER HPI-T Plus 250W/645 E40 1SL	269 kWh	33 mg
928473709299	MASTER HPI-T Plus 400W/643 CL 1SL	429 kWh	-
928481300096	MASTER HPI-T Plus 250W/645 E40 1SL/12	272 kWh	36 mg
928481300097	HPI-T Plus 250W/645 E40 1SL/12	272 kWh	36 mg
928481300098	MASTER HPI-T Plus 250W/645 E40 1SL/12	272 kWh	36 mg
928481600094	MASTER HPI-T Plus 400W/645 E40 1SL/12	424 kWh	29.5 mg
928481600095	HPI-T Plus 400W/645 E40 1SL/12	424 kWh	29.5 mg
928481600096	MASTER HPI-T Plus 400W/645 E40 1SL/12	424 kWh	29.5 mg
928483500191	MASTER HPI-T Plus 400W/643 E39 1SL	420 kWh	29.5 mg

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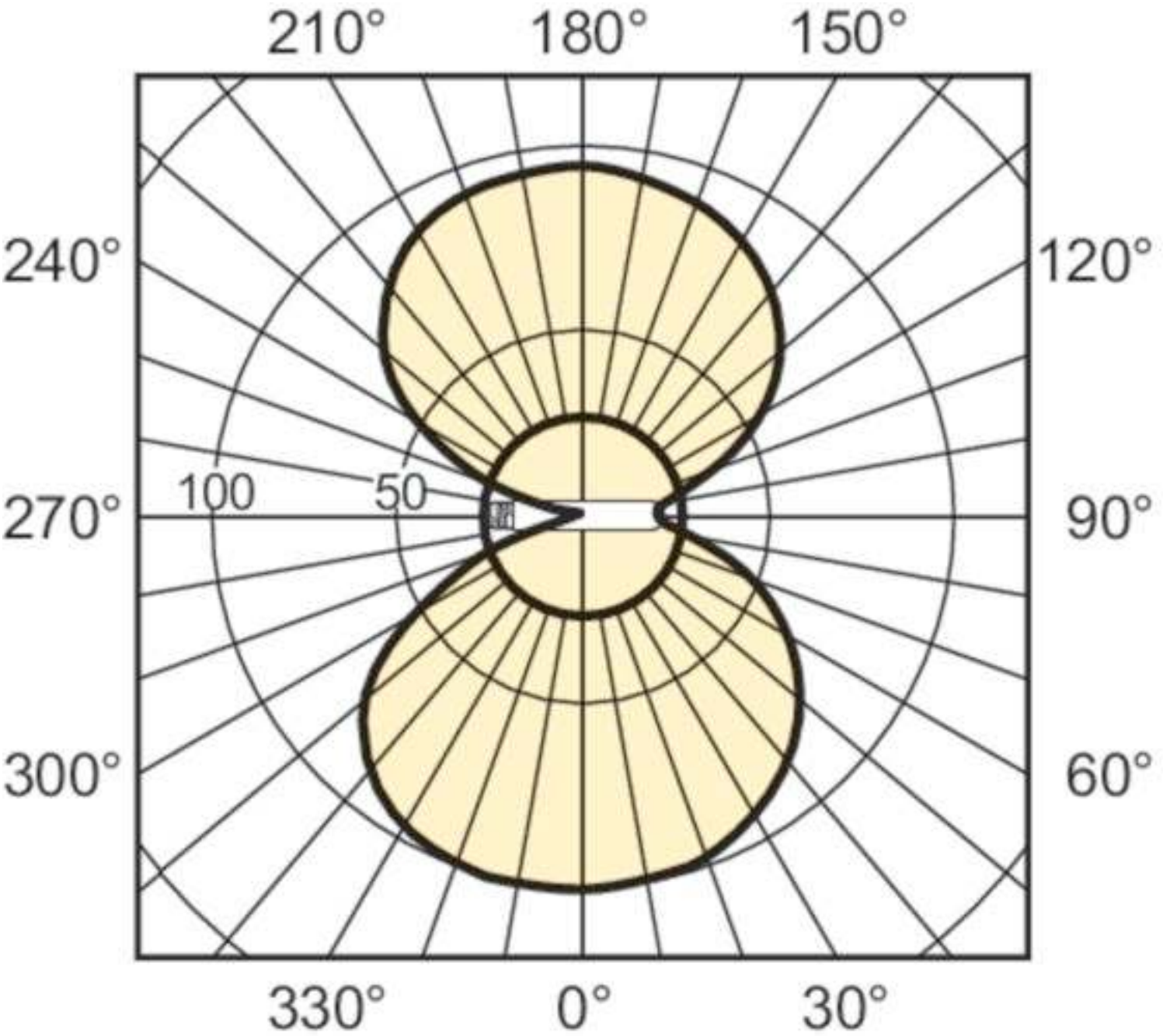

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