



MASTER CosmoWhite CPO-TT Xtra

MASTER CosmoWhite CPO-TT Xtra 315W/942 E40

New-generation ceramic metal-halide tubular lamps used in outdoor applications, offering efficient and pleasant white light

Product data

• General Characteristics

Cap-Base	E40
Bulb	T46 [T 46mm]
Bulb Finish	Clear
Operating Position	any [Any or Universal (U)]
Life to 5% failures, horiz.	12000 hr
Life to 10% failures, horiz.	16000 hr
Life to 20% failures, horiz.	20000 hr
Life to 50% failures, horiz.	30000 hr
LSF EL 2kh Rated, 12h cyc. hor	99 %
LSF EL 4kh Rated, 12h cyc. hor	99 %
LSF EL 6kh Rated, 12h cyc. hor	99 %
LSF EL 8kh Rated, 12h cyc. hor	98 %
LSF EL 12kh Rated, 12h cyc. hor	95 %
LSF EL 16kh Rated, 12h cyc. hor	90 %
LSF EL 20kh Rated, 12h cyc. hor	82 %
LSF EL 24kh Rated, 12h cyc. hor	70 %
LSF EL 30kh Rated, 12h cyc. hor	50 %

• Light Technical Characteristics

Color Code	942 [CCT of 4200K]
Color Designation (text)	Cool White

Lum. Flux EL25°C, Rat. horiz.	34750 Lm
Lum Effic Rat EL 25°C horiz.	111 Lm/W
Color Rendering Index, horiz	90 Ra8
Color Temperature, horizontal	4200 K
LLMF EL 2000h Rated, horiz.	98 %
LLMF EL 4000h Rated, horiz.	97 %
LLMF EL 6000h Rated, horiz.	96 %
LLMF EL 8000h Rated, horiz.	94 %
LLMF EL 12000h Rated, horiz.	92 %
LLMF EL 16000h Rated, horiz.	88 %
LLMF EL 20000h Rated, horiz.	85 %
LLMF EL 24000h Rated, horiz.	81 %
LLMF EL 30000h Rated, horiz.	75 %
Chromaticity Coordinate X	0.362 -
Chromaticity Coordinate Y	0.375 -

• Electrical Characteristics

Lamp Wattage	315 W
Lamp Wattage EL 25°C, Rated	315.0 W

PHILIPS

Lamp Wattage EL 25°C, Nominal	315.0 W
Lamp Voltage	94 V
Lamp Current EL	3.37 A
Ignition Time	30 (max) s
Run-up time 90%	3 (max) min
Dimmable	Yes
Re-ignition Time [sec]	900 (max) s
Ratio scotopic/photopic lumens	1.91 -

• **Environmental Characteristics**

Energy Efficiency Label (EEL)	A+
Mercury (Hg) Content	23 mg
Energy consumption kWh/1000h	346 kWh

• **UV-related Characteristics**

Damage Factor D/fc PET (NIOSH)	0.59 - 44 (min), 77 (nom) h500lx
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• **Luminaire Design Requirements**

Cap-Base Temperature	250 (max) C
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Bulb Temperature	450 (max) C
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• **Product Dimensions**

Overall Length C	257 (max) mm
Diameter D	46 (nom), 47 (max) mm
Light Center Length L	162 mm
Arc Length O	14 mm

• **Product Data**

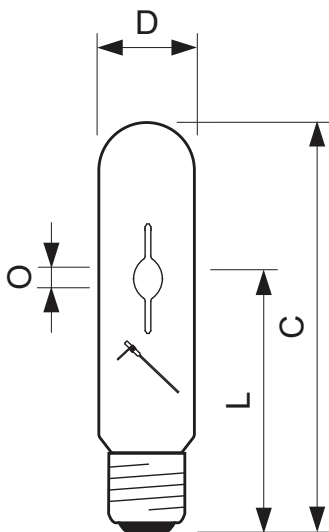
Order code	928060509227
Full product code	928060509227
Full product name	MASTER CosmoWhite CPO-TT Xtra 315W/942 E40
Order product name	MST CosmoW CPO-TT Xtra 315W/942 E40
Pieces per pack	1
Packing configuration	12
Packs per outerbox	12
Bar code on pack - EAN1	8718291691075
Bar code on outerbox - EAN3	8718291691082
Logistic code(s) - 12NC	928060509227
Net weight per piece	0.165 kg

Warnings and Safety

- Use only in a totally enclosed luminaire, even during testing (IEC 61167, IEC 62035, IEC 60598)
- The luminaire must be able to contain hot lamp parts if the lamp ruptures
- Use only with suitable electronic control gear
- Control gear must include end-of-life protection (IEC 61167, IEC 62035)

- E27 lamp holders and other parts in luminaires should be designed to withstand the ignition voltage of the electronic control gear (rated at 5 kV ignition pulse)
- 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.

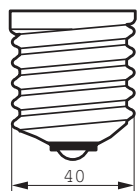
Dimensional drawing



MASTER CosmoWhite CPO-TT Xtra 315W/942 E40

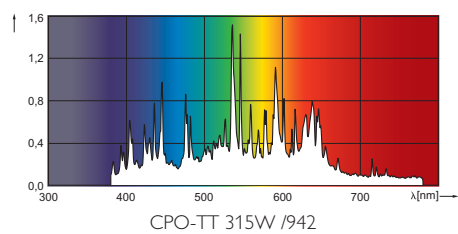
Product	C (Max)	D (Norm)	D (Max)	L (Norm)	O (Norm)
CPO-TT Xtra 315W/942 E40	257	46	47	162	14

Dimensional drawing



E40

Photometric data



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data subject to change