

SUPERIA CMI-TT

SUPERIA CMI-TT 150W WDL/UVS E40 SLV

0020382



Range Features

- Ceramic arc tube ensures colour uniformity and stability throughout lamp life.
- Very high luminous efficiency in compact lamp format. Excellent colour rendering.
- For use only in luminaires equipped with a protective cover glass.
- CMI-TT lamps can directly replace High Pressure Sodium lamps for simple conversion to white light.
- Exterior applications such as car parks, perimeter lighting, security and building entrances.



PRODUCT OVERVIEW

Lamp finish	clear
Lamp shape	tubular
Colour temperature (K)	3300
CRI (Ra)	82
Dimmable	Yes
EAN code	5410288203829
Energy class	A+
Cap/Base	E40
Type	CMI-TT
Watt (Nominal) (W)	150
Ordering number	0020382
Efficacy (Rated) (lm/w)	100
Average life (Rated) (h)	24000

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Luminous flux (Rated) (lm)	14500
Technology	HID
Voltage (V)	90

DATA TABLE

Optical data

Ambient temperature for maximum luminous flux (°C)	25
Colour temperature (K)	3300
CRI (Ra)	82
Luminous flux (Nominal) (lm)	14500
Rated lumen maint. factor at 12000 h 50Hz	0.67
Rated lumen maint. factor at 16000 h 50Hz	0.63
Rated lumen maint. factor at 20000 h 50Hz	0.6
Rated lumen maint. factor at 2000 h 50Hz	0.91
Rated lumen maint. factor at 4000 h 50Hz	0.8
Rated lumen maint. factor at 6000 h 50Hz	0.76
Rated lumen maint. factor at 8000 h 50Hz	0.73
Luminous flux (Rated) (lm)	14500

General data

Average life (Nominal) (h)	24000
Control gear required	yes
Lamp finish	clear
Lamp shape	tubular
Dimmable	Yes
EAN code	5410288203829
Energy class	A+
Fixture rating	enclosed
General application	Logistics and Industry; Outdoor
IEC Reference	IEC 60662
IEC Reference 2	IEC 62035
Cap/Base	E40
Lamp mercury content (mg)	10.3
Type	CMI-TT
Life T90	14000

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Notes

Sylvania CMI lamps can be dimmed with negligible impact on performance creating the potential for flexible light levels and reduced energy consumption.

Dimming is supported on electronic square wave ballasts and magnetic systems that can maintain the open circuit voltage.

Square wave operation is recommended.

Dimming causes a reduction of light and some colour change.

We advise to start the lamps at full power and to hold this for 15 minutes before reducing the power. To avoid extinguishing the power should be adjusted gradually

taking a few minutes to reach the final dimming condition. Square wave dimming down to 65% of the rated power will have negligible impact on performance,

dimming down to 50% of the rated power can affect lumen maintenance and colour appearance.

Dimming by means of voltage on magnetic systems is not advised as this increases the chance of lamp extinguishing.

Dimming by phase-cutting on magnetic systems is not allowed. Instant dimming on magnetic systems by adding an impedance is suggested down to 70% of the rated power but the average life can be reduced.

90 % power=90 % rated lumens

70% power=60 % rated lumens

50% power=45 % rated lumens

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Range features

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Very high luminous efficiency in compact lamp format. Excellent colour rendering.

For use only in luminaires equipped with a protective cover glass. CMI-TT lamps can directly replace High Pressure Sodium lamps for simple conversion to white light.

Exterior applications such as car parks, perimeter lighting, security and building entrances.

Product name

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Average life (Rated) (h)

24000

Rated survival factor at 12000 h 50Hz

0.94

Rated survival factor at 16000 h 50Hz

0.85

Rated survival factor at 20000 h 50Hz

0.7

Rated survival factor at 2000 h 50Hz

1

Rated survival factor at 4000 h 50Hz

1

Rated survival factor at 6000 h 50Hz

0.99

Rated survival factor at 8000 h 50Hz

0.98

Special purpose lamp

No

Technology

HID

Transformer required

no

Sales pack quantity

12

E-number SE

8359026

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E-number FI	4844435
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Electrical data

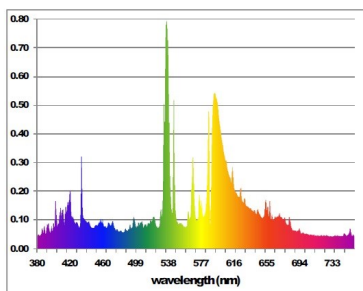
Current (A)	1.11
Ignition voltage (V)	0
kWh per 1000 hours burning time	165
Watt (Nominal) (W)	150
Efficacy (Rated) (lm/w)	100
Watt (Rated) (W)	150
Voltage (V)	90

Physical data

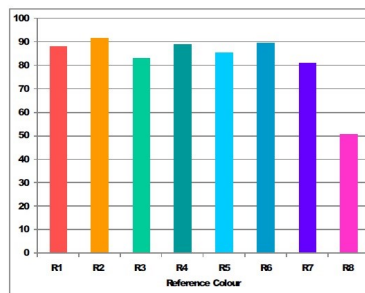
Max. Lamp Diameter (mm) - D	48
Lamp Length (mm) - C/L	211
Single packaging type	Box/Sleeve
Weight (kg)	0.11
Outer package dimensions (L x W x H) (cm)	28.00 x 23.00 x 25.00
Single package dimensions (L x W x H) (cm)	22.50 x 5.00 x 5.00

PHOTOMETRY

LAMP SPECTRUM

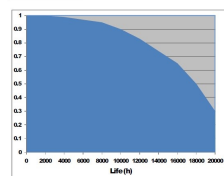


COLOUR RENDERING



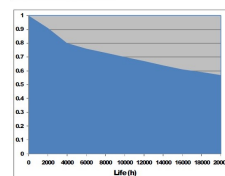
TECHNICAL DRAWINGS

SURVIVAL RATE

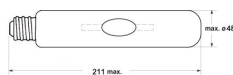


Life (h)	2000h	4000h	6000h	8000h	12000h	16000h
Survival Rate	1.00	0.99	0.97	0.95	0.83	0.65

LUMEN MAINTENANCE



Life (h)	2000h	4000h	6000h	8000h	12000h	16000h
Lumen Maintenance	0.91	0.89	0.76	0.73	0.67	0.61



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