

SUPERIA CMI-TT

SUPERIA CMI-TT 70W WDL/UVS E27 SLV

0020380



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)	3200
CRI (Ra)	86
Dimmable	Yes
EAN code	5410288203805
Energy class	A+
Cap/Base	E27
Type	CMI-TT
Watt (Nominal) (W)	70
Ordering number	0020380
Efficacy (Rated) (lm/w)	105
Average life (Rated) (h)	20000

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Luminous flux (Rated) (lm)	7150
Technology	HID
Voltage (V)	85

DATA TABLE

Optical data

Ambient temperature for maximum luminous flux (°C)	25
Colour temperature (K)	3200
CRI (Ra)	86
Luminous flux (Nominal) (lm)	7150
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)	7150

General data

Average life (Nominal) (h)	20000
Control gear required	yes
Lamp finish	clear
Lamp shape	tubular
Dimmable	Yes
EAN code	5410288203805
Energy class	A+
Fixture rating	enclosed
General application	Logistics and Industry; Outdoor
IEC Reference	IEC 61167
IEC Reference 2	IEC 62035
Cap/Base	E27
Lamp mercury content (mg)	4.5
Type	CMI-TT
Life T90	12000

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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

Ordering number

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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 name

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Average life (Rated) (h)

20000

Rated survival factor at 12000 h 50Hz

0.9

Rated survival factor at 16000 h 50Hz

0.74

Rated survival factor at 20000 h 50Hz

0.5

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

0.97

Special purpose lamp

No

Technology

HID

Transformer required

no

Sales pack quantity

1

E-number SE

8359024

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0020380

E-number FI	4844433
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Electrical data

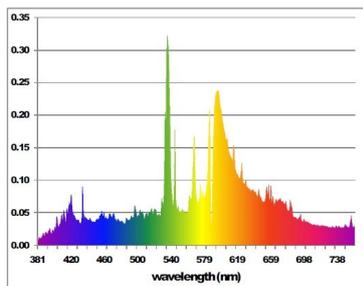
Current (A)	0.98
Ignition voltage (V)	0
kWh per 1000 hours burning time	77
Watt (Nominal) (W)	70
Efficacy (Rated) (lm/w)	105
Watt (Rated) (W)	70
Voltage (V)	85

Physical data

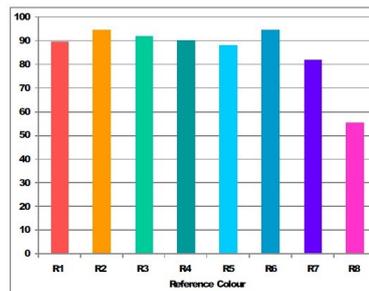
Max. Lamp Diameter (mm) - D	39
Lamp Length (mm) - C/L	156
Single packaging type	Box/Sleeve
Weight (kg)	0.06
Outer package dimensions (L x W x H) (cm)	42.00 x 28.00 x 23.50
Single package dimensions (L x W x H) (cm)	20.00 x 4.20 x 4.20

PHOTOMETRY

LAMP SPECTRUM



COLOUR RENDERING

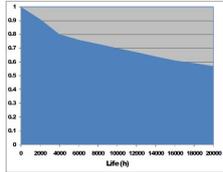


TECHNICAL DRAWINGS

SUPERIA CMI-TT

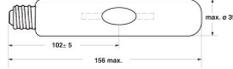
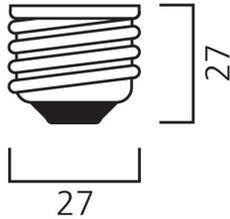
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LUMEN MAINTENANCE

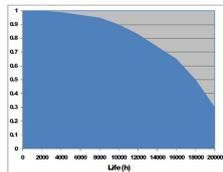


2000h	4000h	6000h	8000h	12000h	16000h
0.91	0.89	0.78	0.73	0.67	0.61

E27



SURVIVAL RATE



2000h	4000h	6000h	8000h	12000h	16000h
1.00	0.99	0.97	0.95	0.83	0.65

ENERG Y IJA
IE IA

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SYLVANIA 0020380

A⁺⁺

A⁺

A

B

C

D

E

A⁺

77 kWh/1000h