

Superia CMI-T/ CMI-TC / CMI-TD

SUPERIA CMI-T 70W WDL/USV G12 SLV

0020301



Range Features

- Ceramic arc tube ensures colour uniformity and stability throughout lamp life
- Very high luminous efficiency in a compact lamp format
- Excellent colour rendering
- UV-stop quartz reduces colour fading of merchandise
- For use only in luminaires equipped with a protective cover glass
- Applications in both interior and exterior lighting shops, hotel lobbies and architectural
- WDL types are suitable for both electronic and electromagnetic gear but
- NDL types are recommended on electronic gear for optimal performance



PRODUCT OVERVIEW

Lamp finish	clear
Lamp shape	tubular
Colour temperature (K)	3000
CRI (Ra)	90
Dimmable	Yes
EAN code	5410288203010
Energy class	A+
Cap/Base	G12
Type	CMI-T
Watt (Nominal) (W)	70
Light colour	830 White Delux
Ordering number	0020301
Efficacy (Rated) (lm/w)	104
Average life (Rated) (h)	18000
Luminous flux (Rated) (lm)	7300
Technology	HID
Voltage (V)	80

DATA TABLE

Optical data

Ambient temperature for maximum luminous flux (°C)	25
Colour temperature (K)	3000
CRI (Ra)	90

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Light colour	830 White Delux
Luminous flux (Nominal) (lm)	7300
Rated lumen maint. factor at 12000 h 50Hz	0.79
Rated lumen maint. factor at 16000 h 50Hz	0.78
Rated lumen maint. factor at 2000 h 50Hz	0.86
Rated lumen maint. factor at 4000 h 50Hz	0.83
Rated lumen maint. factor at 6000 h 50Hz	0.81
Rated lumen maint. factor at 8000 h 50Hz	0.8
Luminous flux (Rated) (lm)	7300

General data

Average life (Nominal) (h)	18000
Control gear required	yes
Lamp finish	clear
Lamp shape	tubular
Dimmable	Yes
EAN code	5410288203010
Energy class	A+
Fixture rating	enclosed
General application	Retail; Hospitality; Logistics and Industry; Museums; Education; Office
IEC Reference	IEC 61167
IEC Reference 2	IEC 62035
Intended purpose	General lighting
Cap/Base	G12
Lamp mercury content (mg)	4.6
Type	CMI-T
Life T90	12000

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Notes	<p>Sylvania CMI lamps can be dimmed with negligible impact on performance creating the potential for flexible light levels and reduced energy consumption.</p> <p>Dimming is supported on electronic square wave ballasts and magnetic systems that can maintain the open circuit voltage. Square wave operation is recommended.</p> <p>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.</p> <p>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.</p> <p>90 % power=90 % rated lumens 70% power=60 % rated lumens 50% power=45 % rated lumens</p>
Ordering number	0020301
Range features	<p>Ceramic arc tube ensures colour uniformity and stability throughout lamp life</p> <p>Very high luminous efficiency in a compact lamp format</p> <p>Excellent colour rendering</p> <p>UV-stop quartz reduces colour fading of merchandise</p> <p>For use only in luminaires equipped with a protective cover glass</p> <p>Applications in both interior and exterior lighting shops, hotel lobbies and architectural</p> <p>WDL types are suitable for both electronic and electromagnetic gear but</p> <p>NDL types are recommended on electronic gear for optimal performance</p>
Product name	SUPERIA CMI-T 70W WDL/USV G12 SLV
Average life (Rated) (h)	18000
Rated survival factor at 12000 h 50Hz	0.83
Rated survival factor at 16000 h 50Hz	0.65
Rated survival factor at 2000 h 50Hz	1
Rated survival factor at 4000 h 50Hz	0.99
Rated survival factor at 6000 h 50Hz	0.97
Rated survival factor at 8000 h 50Hz	0.95
Special purpose lamp	No
Technology	HID
Transformer required	no
Sales pack quantity	12

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E-number SE	8359013
E-number FI	4844937

Electrical data

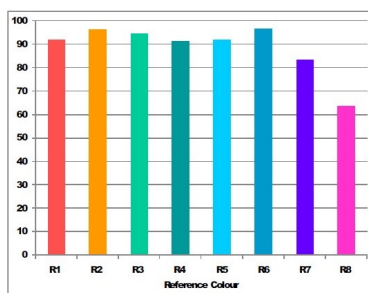
Current (A)	0.88
Ignition voltage (V)	0
kWh per 1000 hours burning time	77
Watt (Nominal) (W)	70
Efficacy (Rated) (lm/w)	104
Watt (Rated) (W)	70
Voltage (V)	80

Physical data

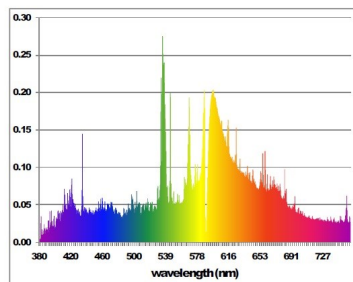
Max. Lamp Diameter (mm) - D	20
Lamp Length (mm) - C/L	90
Single packaging type	Box/Sleeve
Weight (kg)	0.03
Outer package dimensions (L x W x H) (cm)	11.80 x 13.80 x 8.00
Single package dimensions (L x W x H) (cm)	11.20 x 3.30 x 2.50

PHOTOMETRY

COLOUR RENDERING



LAMP SPECTRUM



TECHNICAL DRAWINGS

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