

CMI-T / CMI-TC / CMI-TD

CMI-T 70W/NDL UVS

0020371



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
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PRODUCT OVERVIEW

Lamp finish	clear
Lamp shape	tubular
Colour temperature (K)	4200
CRI (Ra)	93
Dimmable	Yes
EAN code	5410288203713
Energy class	A+
Cap/Base	G12
Type	CMI-T
Watt (Nominal) (W)	70
Ordering number	0020371
Efficacy (Rated) (lm/w)	96
Average life (Rated) (h)	15000
Luminous flux (Rated) (lm)	6700
Technology	HID
Voltage (V)	85

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DATA TABLE

Optical data

Ambient temperature for maximum luminous flux (°C)	25
Colour temperature (K)	4200
CRI (Ra)	93
Luminous flux (Nominal) (lm)	6700
Rated lumen maint. factor at 12000 h 50Hz	0.76
Rated lumen maint. factor at 16000 h 50Hz	0.71
Rated lumen maint. factor at 2000 h 50Hz	0.85
Rated lumen maint. factor at 4000 h 50Hz	0.83
Rated lumen maint. factor at 6000 h 50Hz	0.82
Rated lumen maint. factor at 8000 h 50Hz	0.79
Luminous flux (Rated) (lm)	6700

General data

Average life (Nominal) (h)	15000
Control gear required	yes
Lamp finish	clear
Lamp shape	tubular
Dimmable	Yes
EAN code	5410288203713
Energy class	A+
General application	Retail; Hospitality; Logistics and Industry; Museums; Education; Office
IEC Reference	IEC 61167
Intended purpose	General lighting
Cap/Base	G12
Lamp mercury content (mg)	2.5
Type	CMI-T
Life T90	9000

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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	0020371
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>
Product name	CMI-T 70W/NDL UVS
Average life (Rated) (h)	15000
Rated survival factor at 12000 h 50Hz	0.74
Rated survival factor at 16000 h 50Hz	0.42
Rated survival factor at 20000 h 50Hz	-
Rated survival factor at 2000 h 50Hz	1
Rated survival factor at 4000 h 50Hz	0.99
Rated survival factor at 6000 h 50Hz	0.98
Rated survival factor at 8000 h 50Hz	0.93
Special purpose lamp	No
Technology	HID
Transformer required	no
Sales pack quantity	12
E-number SE	8359037
E-number FI	4844410

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Electrical data

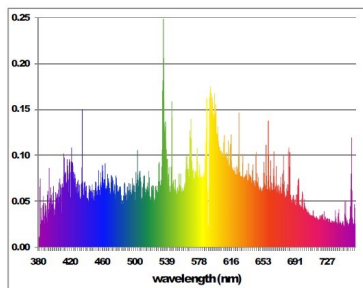
Current (A)	0.85
kWh per 1000 hours burning time	77
Watt (Nominal) (W)	70
Efficacy (Rated) (lm/w)	96
Watt (Rated) (W)	70
Voltage (V)	85

Physical data

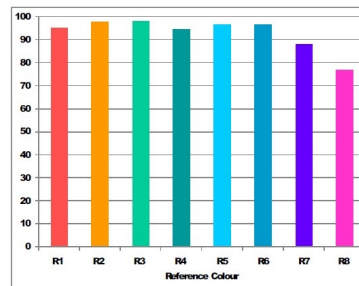
Max. Lamp Diameter (mm) - D	20
Lamp Length (mm) - C/L	90
Single packaging type	Box/Sleeve
Weight (kg)	0.03
Outer package dimensions (L x W x H) (cm)	11.80 x 13.80 x 8.00
Single package dimensions (L x W x H) (cm)	11.20 x 3.30 x 2.50

PHOTOMETRY

LAMP SPECTRUM

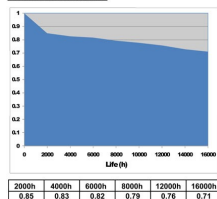


COLOUR RENDERING

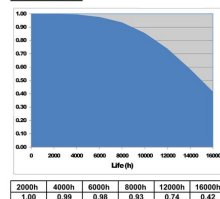


TECHNICAL DRAWINGS

LUMEN MAINTENANCE



SURVIVAL RATE



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