CDM-Tm Evolution Mini GU6.5 20W/930

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Philips Lighting Lamps Europe
Authors: M.C. Raas
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CDM-Tm Evolution Mini GU6.5 20W/930

1. Introduction

Last year the CDM Evolution 20W/930 lamp was successfully introduced in the T and Tc outer. Now we introduce the Mini MASTERColour GU6.5 20W/930 Evolution lamp. It combines superior light quality & TCO performance within the standardised GU6.5 lamp foot (IEC 61167).

The lamp is suitable for operation on 20W electronic drivers only.

2. Version management

This is the first version of the design in sheet for **Master Colour CDM-Tm Evolution Mini GU6.5 20W/930**. A finalized 1.0 version will be made when the product will be released for sales.
Consequently, there could be slight changes in specifications of the product before commercial release of the product.

Status of the product: Engineering sampling

The samples delivered at this stage are engineering samples. This means that the product is still not finalized. So the specifications may change slightly

The following specification will not change:

- Exterior dimensions
- Lamp holder
- Thermal behaviour
- Light Centre Length

3. Ordering

Technical name:	CDM-Tm Evo Mini GU6.5 20W/930
12NC EMEA/APAC	9281 001 05131
12NC NAM	9281 001 05115
12NC OEM	9281 001 05177

4. Dimensions and mechanical design in

The drawing below shows the important dimensions for design in.

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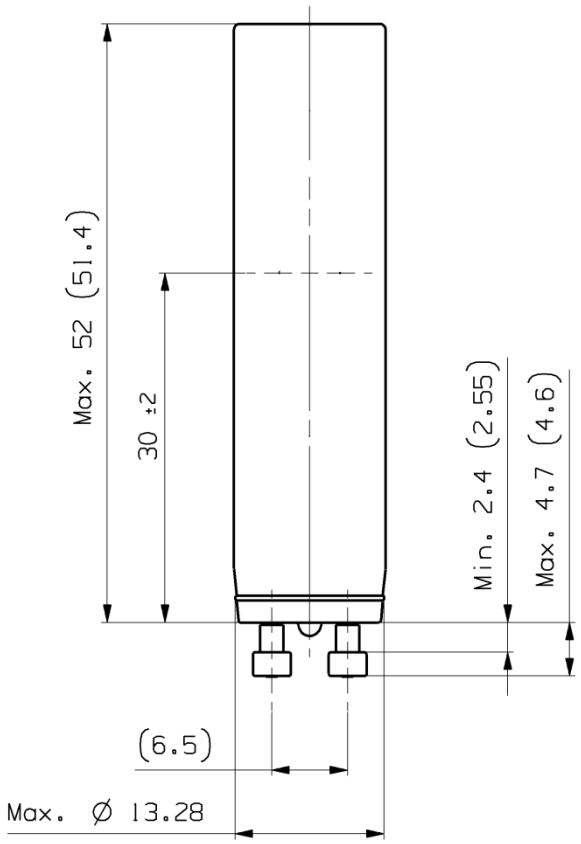

Overall Lamp length (mm)	Light centre length (mm)	Bulb diameter (mm)	Lamp length from reference plane (mm)	Base diameter (mm)
56.7 max	30.0 nom	13.28 max	52 max	13.28 max

5. Temperature behaviour

Outer bulb temperatures at the height of the light centre greater than 380 °C may destroy the sample. The temperature at the base should not exceed 250 °C.

6. Lamp - Ballast specification

Ballast compatibility

The lamp must be operated on electronic drivers (ANSI code C156 and C175).

For optimal performance in the the different regions we recommend:

For EMEA: HID-PrimaVision (PV) M 20 (/S of /I), or HID-PV C 20/S
For APAC: HID-PrimaVision (PV) M 20 (/S of /I), or HID-PV C 20/Sm or HID-CertaVision (CV) 20/
For NAM: IMHG20KLF, or IMHG20KLFS, or IMHG20KBLS

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7. Installation / Mounting

Optics

It is recommended to use a facetted reflector to avoid unwanted images of the field wire in the beam.
Optical data of the lamp are available on request with your local sales representative.

Burning position of the lamp

The lamp can be used in all orientations (universal operation).

Hot re-ignition

Please allow the system top cool down for 10 minutes before switching on the system again.

Dimming

The lamp is not designed for dimming.

Lamp base and lamp holder

The lamp and the lamp holder have a standardised GU6.5 fit. Please do not apply excessive force while inserting and twisting the lamp into its place.

8. Safety

Always switch off and allow to cool down before replacing lamp.

Closed fixtures

The lamp is to be used in closed fixtures only, even during testing.

UV/Fading

In applications where the light intensity is high (more than 1000 lx) a front glass with UV reduction is recommended to prevent fading.

Lamp holders

At End Of Life high temperatures can be reached that can damage a plastic lamp holder. We therefore recommend the use of suitable ceramic lamp holders.

9. Provisional Specifications

Values for lamp at 100 hours, vertical base up operation

Light Output	Lm	2050
Colour Temperature	K	3000
Colour Rendering	Ra8	90
Red rendering	R9	10
Operating position		Universal
Life (50% survival rate)	H	20.000
Lamp base		GU6.5
Lamp power	W	20

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10. Frequently Asked Questions

When is the lamp available ?

Samples are distributed in limited quantities in September 2013. Commercial availability is expected end 2013.

It is planned to make higher lamp powers of the product ?

A 35W version is in development. We will investigate the feasibility of higher powers.

11. For more information

Please contact your local sales representative.
Check OEM application guide for general information about compact HID lamps.
Visit our web-site www.lighting.philips.com/oem