

*Introducing...*

# MASTERCoulour CDM-Tm Elite Mini GU6.5 50W/942

*Sparkling cool light now also in unique mini shape...!*

*November 2014*



# CDM-Tm Elite Mini GU6.5 50W/942

*cool light now comes in mini shape...*

The introduction of the MASTERColour CDM-Tm Elite Mini GU6.5 lamps in 2010, was an answer to the growing demand for mini lamps. Since our mini lamps have entered the market, the trend for mini lamps has strongly accelerated.

Mini ceramic lamps are unique because they compress an enormous amount of light in an incredible small volume. In our case, we make the mini lamps very special because of the flat top and flat base design combined with best-in-class light properties.

A third clear trend in retail lighting is cool light. Cool 4200K colour temperature lamps are more and more welcome in especially jewelry stores, cosmetic stores, bike showrooms, fashion stores with a cool energetic image etc.

We are proud to announce that, after CDM-Tm Elite Mini 930 lamps, we will expand the product portfolio with CDM-Tm Elite Mini 942 lamps which provide 4200K colour temperature in mini shape. After a 35W version, now a 50W version is launched in our portfolio.

Elite light properties guarantee a unique combination of high CRI, unbeatable efficacy, lumen maintenance and lifetime. Excellent quality of light and lowest total cost of ownership go hand in hand, providing crisp and incredible white sparkling light that lasts and lasts....

# CDM-Tm Elite Mini GU6.5 50W/942

*what is it?*

5050 sparkling cool white lumens  
from a powerful 5 cm (!) light source...



CDM-Tm Elite Mini GU6.5 50W/942



# CDM-Tm Elite Mini GU6.5 50W/942

## *applications...*

### **Retrofit for existing GU6.5 solutions:**

Lamps fit in existing GU6.5 50W luminaires with compatible gears

### **Ideal for use in Retail**

- Display lighting
- Spot and track lighting
- Down lighting

### **Lighting differentiation**

Unique amount of beautiful crisp white sparkling light from an incredible small lighting source, with:

- High lumen output (most efficient mini lamp in the world)
- High lumen maintenance
- Almost perfect red coloring
- Long life



Mini lamps with high lumen output provide freedom in luminaire design



# CDM-Tm Elite Mini GU6.5 50W/942

## *value proposition...*

### Miniaturized design, retrofit for existing GU6.5 luminaires...

- Mini lamps have an extreme high sparkling lumen density (lumen per mm<sup>3</sup>) which make mini luminaire designs possible, providing endless design freedom for retail stores
- Fits into existing GU6.5 luminaires and adds Elite light performance

### ...with excellent cool light quality...

- crisp white sparkling light with cool colour temperature 4200K
- superior color rendering (CRI=91) and near perfect halogen like red (R9=80)

### ... and lowest cost of ownership.

- very high lumen output: only 50W needed for 5050 lumens.
- excellent lumen maintenance: at least 80% @ 15k hours
- longer lifetime with proven lifetime reliability

# CDM-Tm Elite Mini GU6.5 50W/942

*technical specifications...*

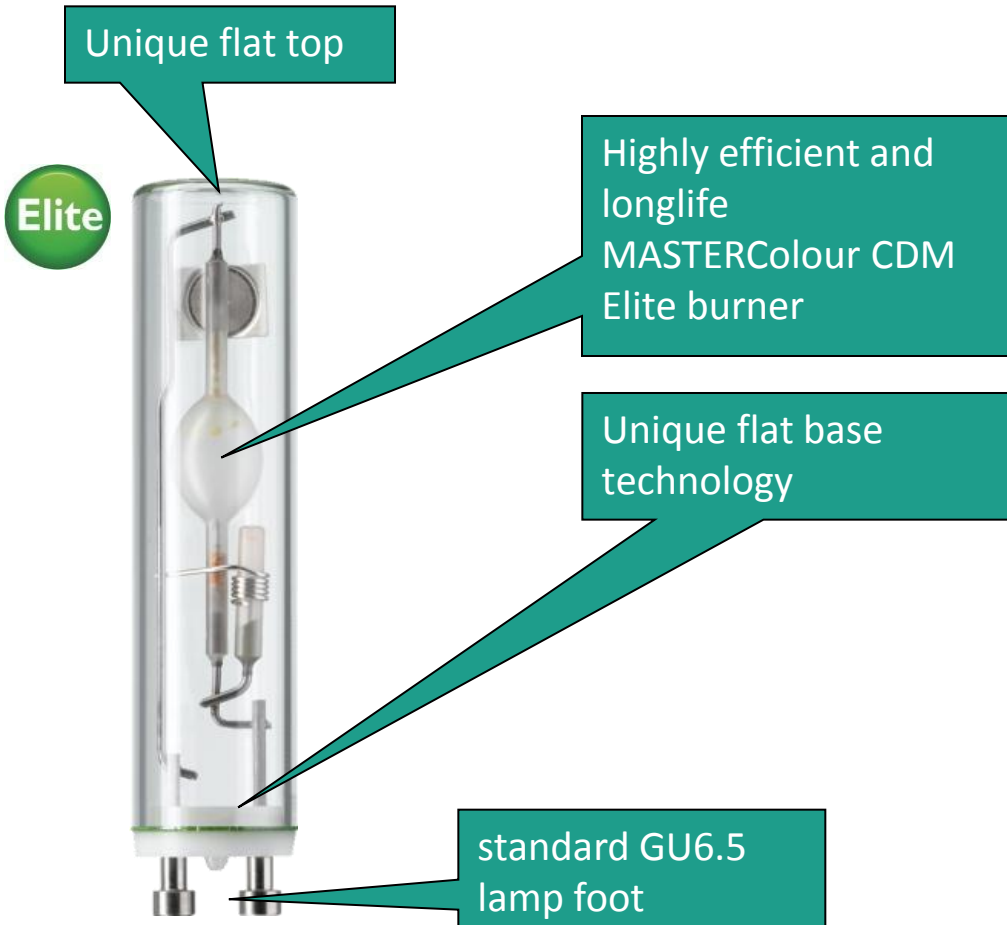
Spec*	CDM-Tm Elite Mini GU6.5 50W/942
lumen output	5050
efficacy (lm/W)	101
color temp. (K)	4200
CRI	91
R9	>80
maintenance @ 12.000 hr	82%
maintenance @ 15.000 hr	80%
survival 95% (hr)	9.000
survival 90% (hr)	10.000
survival 80% (hr)	12.000
survival 50% (hr)	15.000



*\*Note: these (draft) specs can be updated after all extensive testing has been fully completed  
→ Specs not achieved in horizontal burning position*

# CDM-Tm Elite Mini GU6.5 50W/942

*features and benefits...*



Flat top avoids white spot in beam pattern

Crisp cool white sparkling light with excellent colour rendering and high lumen output

Lowest total cost of ownership and  
Long life: 15.000 hrs  
High lumen maintenance: 80% @  
15.000 hrs.

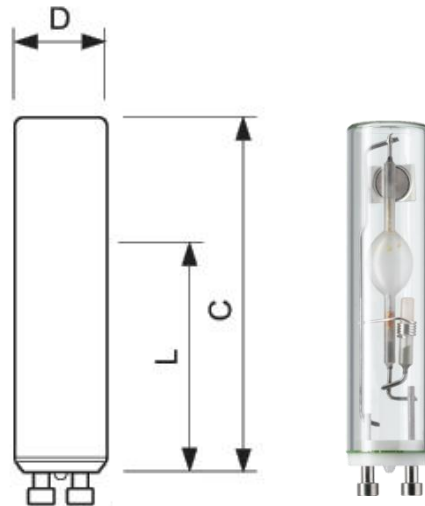
Flat base provides large inside volume and enables higher operating temperatures.

# CDM-Tm Elite Mini GU6.5 50W/942

*dimensions...*

Dimensions lamp mm	D Max	L max	C nom
CDM-Tm Elite Mini GU6.5	13.3	30	52

*All CDM-Tm Elite Mini GU6.5 lamps have the same dimensions which comply with IEC61167.*





# CDM-Tm Elite Mini GU6.5 50W/942

*logistic information...*

Naming	12nc = GPC	EOC
MASTERCcolour CDM-Tm Elite Mini GU6.5 50W/942	9280 624 05130	871829125351800

## Gear compatibility matrix

The new mini lamps can be operated with:

GPC	EOC	Gear Name
913700664966	872790093363500	HID-PV C 50 /S CDM 220-240V 50/60Hz
913700665066	872790094338200	HID-PV C 50 /P CDM 220-240V 50/60Hz
913700665166	872790093365900	HID-PV C 50 /I CDM 220-240V 50/60Hz
913700665966	871829111573100	HID-PV m 50 /S CDM HPF 220-240V 50/60Hz
913700680266	871829119324100	HID-AV C 50 /C CDM 220-240V 50/60Hz
913700680366	871829119445300	HID-AV C 50 /S CDM 220-240V 50/60Hz
913700680466	871829119447700	HID-AV C 50 /P CDM 220-240V 50/60Hz
913700680566	871829119385200	HID-AV C 50 /I CDM 220-240V 50/60Hz
913700684566	871829122845500	HID-PV C 50 /C CDM 220-240V 50/60Hz

# CDM-Tm Elite Mini GU6.5 50W/942

## FAQs

### When will this new mini lamp be available?

This will be commercially available from November 15, 2014

### Can this new cool light mini lamp also run on EM gear?

No, because EM gear does not have end of life protection. The lamps are designed to run only on Philips EL gear with end-of-life protection.

### Can these mini GU6.5 lamps replace a mini PGJ5?

Adaptation of the luminaire is needed when going from PGJ5 to GU6.5, because of differences in lamp holder, light centre length (LCL) and lamp dimensions.

# MASTERCcolour CDM Elite mini GU6.5 lamps

## *Overview of the Elite mini GU6.5 family ...*



Spec	CDM-Tm Elite Mini GU6.5 35W/930	CDM-Tm Elite Mini GU6.5 50W/930	CDM-Tm Elite Mini GU6.5 35W/942	CDM-Tm Elite Mini GU6.5 50W/942
<b>lumen output</b>	3.800	5.200	3.750	5050
<b>Color temp (K)</b>	3000	3000	4200	4200
<b>Lamp power (W)</b>	39	50	39	50
<b>efficacy (lm/W)</b>	97	102	96	101
<b>CRI</b>	90	90	90	91
<b>maintenance @ 12.000 hr</b>	83%	80%	72%	82%
<b>maintenance @ 15.000 hr</b>	75%	75%	70%	80%
<b>survival 95% (hr)</b>	9.000	9.000	9.000	9.000
<b>survival 50% (hr)</b>	15.000	15.000	15.000	15.000

