



MASTERColour CDM-T 150W/830 G12 ICT

Product family description

Range of single-ended, compact, high-efficiency, discharge lamps with a stable colour over lifetime and a crisp, sparkling light

Product Features

- Warm or cool white colour impression
- Colour rendering good to excellent
- Allows small-size luminaires designs that give high beam intensities

Product Benefits

- Stable colour impression over lifetime
- High lamp efficacy results in low operating costs and low heat generation
- Long lamp life compared with incandescent and halogen lamps
- Relatively low heat output enhances comfort for shoppers and staff
- All types are UV-Block for reduced fading risks

Environment

- Good environmental choice because of high energy efficiency and long reliable life
- This product is RoHS compliant
- This product is covered by WEEE

Application

- Shops and shop windows, offices and public buildings
- Decorative outdoor: floodlighting and pedestrian areas

Luminaires

- Must be used in closed luminaires with a hard-glass cover

System

- Must be used in combination with a ballast and an ignitor

PHILIPS

- A high-current protection device (thermo-switch) in the gear is mandatory (IEC 1167)
- If there is a constant voltage deviation of more than 3% of the rated voltage, a different ballast rating/tap must be used
- Electronic gear can be used, and increases lamp-life, improves system efficacy, and eliminates visible flicker

Product data	
Order code	197801 15
Full product code	871150019780115
loccod	
Full product name	MASTERC colour CDM-T 150W/830 G12 ICT
Order product name	MASTERC CDM-T 150W/830 G12 ICT/12
Packing type	1 Lamp in a Folding Carton
Pieces per pack	1
Packing configuration	12
Packs per outerbox	12
Bar code on pack - EAN1	8711500197801
Bar code on intermediate packing - EAN2	
Bar code on outerbox - EAN3	8711500197818
Logistic code(s) - I2NC	9280 837 05125
ILCOS code	MT-150/30/1B-H-G12
Net weight per piece	0.033 KG
Successor order code	
Cap-Base	G12
Bulb	T19 [T 19mm]
Bulb Finish	Clear
Burning Position	any [Any/Universal]
Life to 5% failures	9000 hr [nom]
Life to 10% failures	10000 hr [nom]
Life to 20% failures	11000 hr [nom]
Life to 50% failures	12000 hr [nom]
System Power EM	165 W [nom]
System Power EL	167 W [nom]
Lamp Wattage	150W
Lamp Wattage EM	147.0 W [nom]
Lamp Wattage EL	150 W [nom]
Mains Voltage Stable Operation	198 V [min]
Lamp Voltage	86 V [min] 96 V [nom] 106 V [max]
Lamp Current EM	1.8 A [nom]
Lamp Current EL	1.62 A [nom]
Lamp Current Run-Up	2.5 A [max]
Ignition Time	30 s [max]
Run-up time 90%	3 min [max]
Ignition Supply Voltage	198 V [min]
Ignition Peak Voltage	3500 V [min] 5000 V [max]
Re-ignition Time [min]	15 min [max]
Dimmable	no
Mercury (Hg) Content	14 mg [nom]
Colour Code	830 [CCT of 3000K]
Colour Rendering Index	80 Ra8 [min] 85 Ra8 [nom]
Colour Designation	Warm white
Colour Temperature	2950 K [nom]
Colour Temperature Technical	2950 K [nom]

Product data	
Chromaticity Coordinate X	436 - [nom]
Chromaticity Coordinate Y	396 - [nom]
Lamp Luminous Flux EM	12600 Lm [min] 14000 Lm [nom]
Lamp Luminous Flux EL	12600 Lm [min] 14000 Lm [nom]
Lamp Luminous Efficacy EM	95 Lm/W [nom]
Lamp Luminous Efficacy EL	95 Lm/W [nom]
Lumen Maintenance 2000h	- % [min] - % [nom]
Lumen Maintenance EM 2000h	65 % [min] 75 % [nom]
Lumen Maintenance EL 2000h	65 % [min] 75 % [nom]
Lumen Maintenance 5000h	- % [min] - % [nom]
Lumen Maintenance EM 5000h	55 % [min] 65 % [nom]
Lumen Maintenance EL 5000h	60 % [min] 70 % [nom]
Lumen Maintenance 10000h	- % [nom]
Lumen Maintenance EM 10000h	50 % [nom]
Lumen Maintenance EL 10000h	60 % [nom]
Lumen Maintenance 12000h	- % [nom]
Lumen Maintenance EL 12000h	- % [nom]
PET (NIOSH)	110 h.klx [nom]
Damage Factor D/fc	0.19 - [nom]
Reference Length A	96 mm [max]
Overall Length C	110 mm [max]
Diameter D	20 mm [max]
Light Center Length L	55 mm [min] 56 mm [nom] 57 mm [max]
Arc Length O	- mm [min] 9 mm [nom] - mm [max]
Cap-Base Temperature	280 C [max]
Pinch Temperature	350 C [max]
Bulb Temperature	650 C [max]

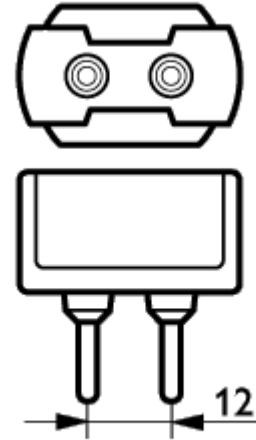


MASTERC CDM-T 150W/830/942 G12

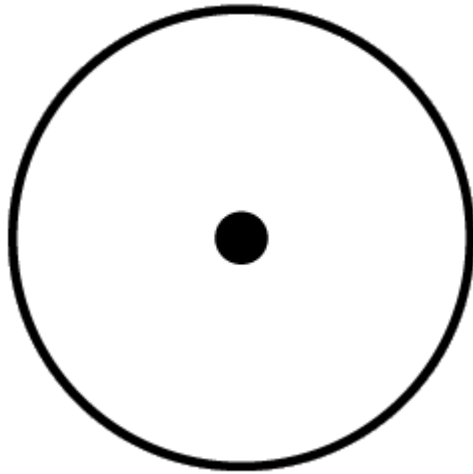


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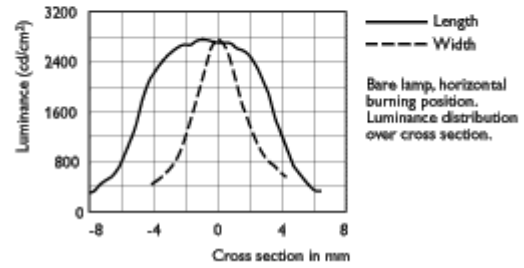
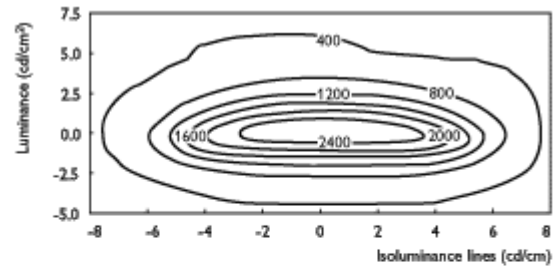
CDM-T 20W /830



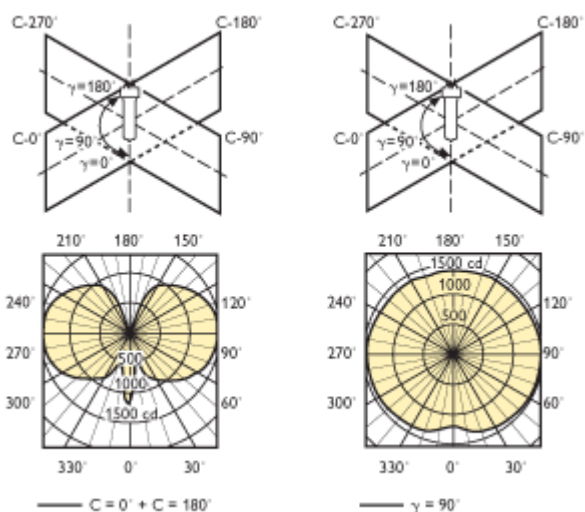
Cap-Base G12



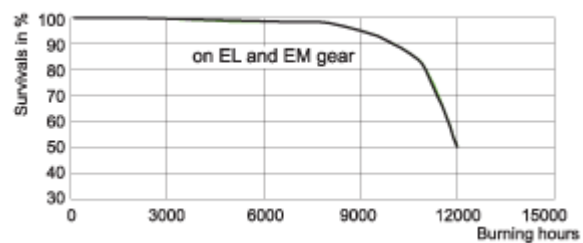
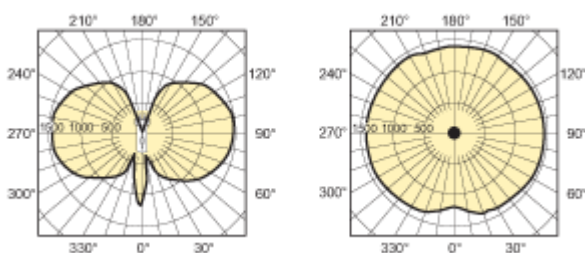
Burning Position any



MASTERC CDM-T 150W



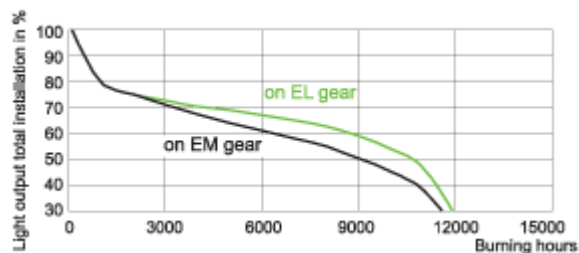
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on electronic & electromagnetic gear

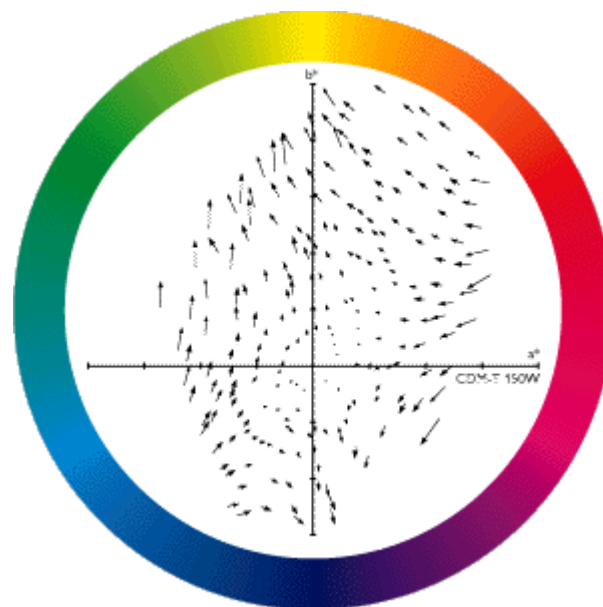
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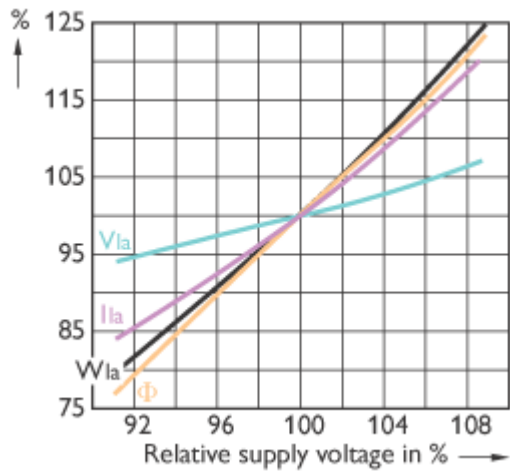


on electronic & electromagnetic gear

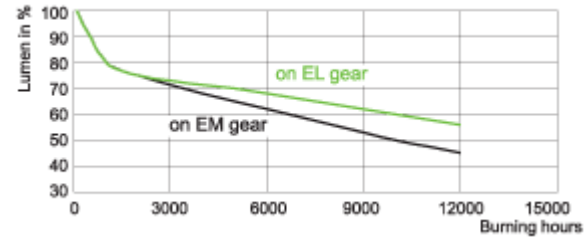
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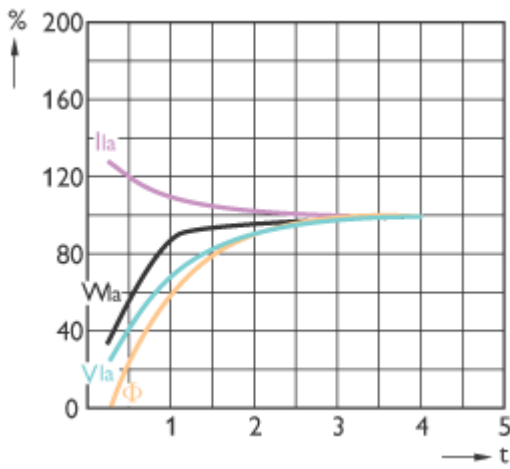


MASTERC CDM-T/830



on electronic & electromagnetic gear

MASTERC CDM-T 150W/830



MASTERC CDM-T/830/842/942



MASTERC CDM-T 100W/150W/250W/35W/70W

	C	C	C	D	D	D
Full product name	Max	Max	Max	Max	Max	Max
MASTER Colours CDM-	110	110	110	20	20	20

	C	C	C	D	D	D
Full product name	Max	Max	Max	Max	Max	Max
T 150W/ 830 G12 ICT						

	L	L	L	L	L	L
Full product name	Min	Min	Min	Nom	Nom	Nom
MAST ERCol our CDM- T 150W/ 830 G12 ICT	55	55	55	56	56	56

	L	L	L	O	O	O
Full product name	Max	Max	Max	Min	Min	Min
MAST ERCol our CDM- T 150W/ 830 G12 ICT	57	57	57	-	-	-

	O	O	O	O	O	O
Full product name	Nom	Nom	Nom	Max	Max	Max
MAST ERCol our CDM- T 150W/ 830 G12 ICT	9	9	9	-	-	-

Full product name
50W/830 G12 ICT



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