

MASTERCcolour CDM-TP

MASTERCcolour CDM-TP 70W/830 PG12-2 1CT

Range of protected, high-efficiency, discharge lamps with a stable color over lifetime and a crisp, sparkling light to be used in open luminaires



Product data

• General Characteristics

Cap-Base	PG12-2
Bulb	T31 [T 31mm]
Bulb Finish	Clear
Operating Position	any [Any or Universal (U)]
Life to 5% failures	9000 hr
Life to 20% failures	13000 hr
Life to 50% failures	16000 hr

• Light Technical Characteristics

Color Code	830 [CCT of 3000K]
Color Rendering Index	80 Ra8
Color Designation (text)	Warm White
Color Temperature	3000 K
Color Temperature Technical	3100 K
Luminous Flux Lamp EM	6000 Lm
Luminous Efficacy Lamp EM	82 Lm/W
Lumen Maintenance EM 2000h	80 %
Lumen Maintenance EL 2000h	80 %
Lumen Maintenance EM 5000h	70 %
Lumen Maintenance EL 5000h	70 %
Lumen Maintenance EM 10000h	60 %
Lumen Maintenance EL 10000h	65 %
Lumen Maintenance EM 15000h	50 %
Lumen Maintenance EL 15000h	50 %

Lumen Maintenance EL 15000h	60 %
Chromaticity Coordinate X	428 -
Chromaticity Coordinate Y	401 -

• Electrical Characteristics

System Power EM	88 W
System Power EL	83 W
Lamp Wattage	70 W
Lamp Wattage EM 25°C, Nominal	70.0 W
Lamp Wattage EM 25°C, Rated	73.0 W
Lamp Voltage	90 V
Lamp Current EM	0.98 A
Ignition Time	30 (max) s
Run-up time 90%	3 (max) min
Re-ignition Time [min]	15 (max) min
Dimmable	No

• Environmental Characteristics

Energy Efficiency Label (EEL)	A+
Mercury (Hg) Content	5.2 mg
Energy consumption kWh/1000h	80 kWh

• UV-related Characteristics

Damage Factor D/fc PET (NIOSH)	0.3 (max) - 8 (min) h500lx
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MASTERColour CDM-TP

• Luminaire Design Requirements

Cap-Base Temperature	210 (max) C
Bulb Temperature	400 (max) C

• Product Dimensions

Overall Length C	149 (max) mm
Diameter D	32.00 (max) mm
Light Center Length L	91 mm
Arc Length O	7 mm

• Product Data

Order code	928086909230
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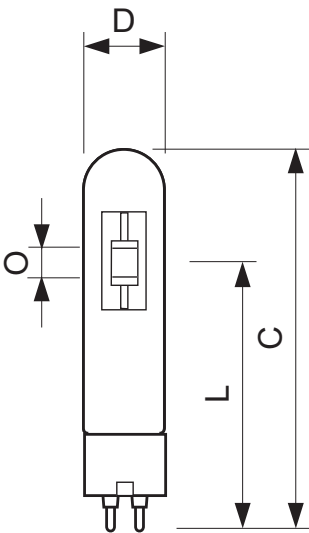
Full product code	928086909230
Full product name	MASTERColour CDM-TP 70W/830 PG12-2 1CT
Order product name	MASTERC CDM-TP 70W/830 PG12-2 1CT/12
Pieces per pack	1
Packing configuration	12
Packs per outerbox	12
Bar code on pack - EAN1	8711500201270
Bar code on outerbox - EAN3	8711500201287
Logistic code(s) - 12NC	928086909230
ILCOS code	MTS/UB-70/830-H-PG12-2-32/149
Net weight per piece	72.000 gr

Warnings and Safety

- Lamps may use electronic or electromagnetic control gear

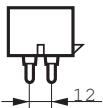
- Control gear must include end-of-life protection (IEC61167, IEC 62035)

Dimensional drawing



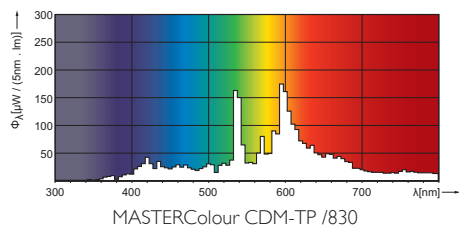
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Product	C (Max)	D (Max)	L (Min)	L (Norm)	L (Max)	O (Min)	O (Norm)	O (Max)
CDM-TP 70W/830 PG12-2	149	32.00	89	91	93	-	7	-



PG12-2

Photometric data



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www.philips.com/lighting

2014, April 11
data subject to change