

Dear User.

Hereby we would like to inform you, that our site and also this service will end on December 31st, 2018. Please use the Philips product catalog for family and product pages at www.lighting.philips.com.

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Beautiful sparkle, reliable life

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

Benefits

- Long lamp life compared with incandescent and halogen lamps
- UV-Block quartz outer bulb for reduced fading risks
- Stable color impression over lifetime
- High lamp efficacy results in low operating costs and low heat generation (which enhances comfort for shoppers and staff)

Features

- Crisp white light
- Superior color quality
- Allows very small-size luminaires designs that give high beam intensities

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

- Accent lighting display lighting with sparkling effect
- General and decorative lighting

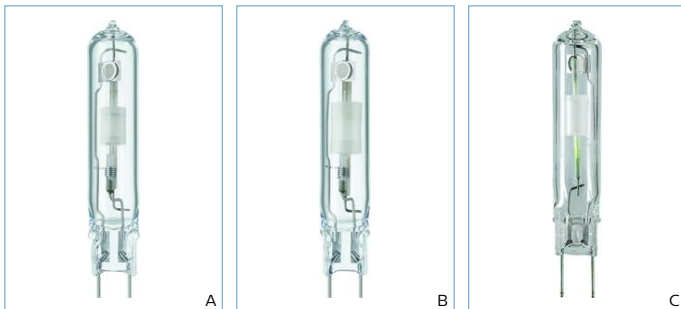
Warnings and Safety

- Use only in totally enclosed luminaire, even during testing (IEC 61167, IEC 62035, IEC 60598)
- The luminaire must be able to contain hot lamp parts if the lamp ruptures
- Control gear must include end-of-life protection (IEC 61167, IEC 62035)
- Use only with electronic control gear. 35 W/830 lamps may also use electromagnetic gear.
- A lamp breaking is extremely unlikely to have any impact on your health. If a lamp breaks, ventilate the room for 30 minutes and remove the parts, preferably with gloves. Put them in a sealed plastic bag and take it to your local waste facilities for recycling. Do not use a vacuum cleaner.

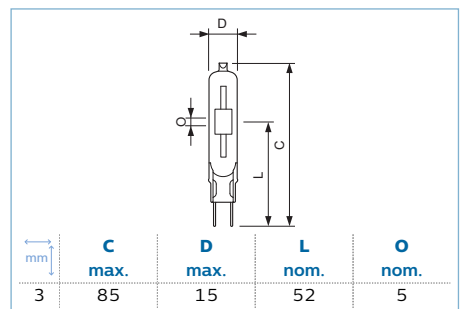
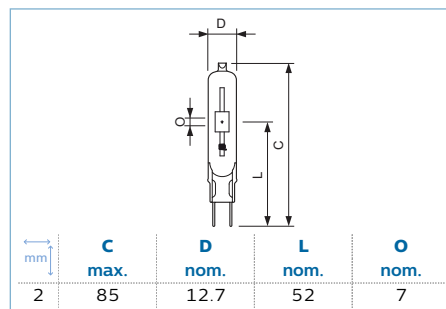
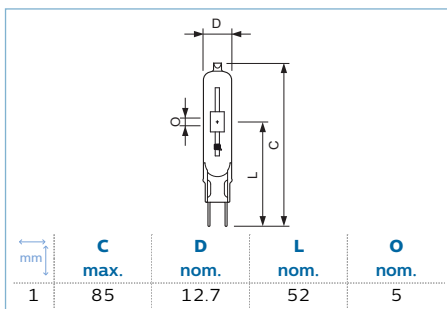
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Product Range





Dimension Drawing



Main Data

MASTERColour CDM-TC

Wattage/Light source color	Cap-Base	Bulb Shape	Bulb Material	SAP Packing (Piece)/Pack-aging configuration		 mm	Photo letter	Ordering number
39W/830	G8.5	T14	UV-BLOCKQUARTZ	CT / 12	UNIVERSAL	A 1	A	871150020000615
39W/830	G8.5	T14	UV-BLOCKQUARTZ	CT / 12	UNIVERSAL	A 1	A	871869648459300
39W/842	G8.5	T14	UV-BLOCKQUARTZ	CT / 12	UNIVERSAL	A 1	A	871150020957315
39W/842	G8.5	T14	UV-BLOCKQUARTZ	CT / 12	UNIVERSAL	A 1	A	871869648461600
70W/830	G8.5	T14	UV-BLOCKQUARTZ	CT / 12	UNIVERSAL	A+ 2	B	871150020167615
70W/830	G8.5	T14	UV-BLOCKQUARTZ	CT / 12	UNIVERSAL	A+ 2	B	871869648463000
70W/842	G8.5	T14	UV-BLOCKQUARTZ	CT / 12	UNIVERSAL	A 3	C	871150021275715
70W/842	G8.5	T14	UV-BLOCKQUARTZ	CT / 12	UNIVERSAL	A 3	C	871869648465400

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Electrical data

Commercial product name	Lamp Current (EL) (A)	Lamp Current (EM) (A)	Lamp power (W)	Voltage (V)	Ignition Time (sec. [max.])
MASTERColour CDM-TC 35W/830 G8.5 1CT/12	0.47	0.53	39	88	30
MASTERColour CDM-TC 35W/842 G8.5 1CT/12	0.46		39	85	30
MASTERColour CDM-TC 70W/830 G8.5 1CT/12	0.87		70	83	30
MASTERColour CDM-TC 70W/842 G8.5 1CT/12	0.83		70	88	30

Lifetime data

Commercial product name	Life to 5% Failures (h)	Life To 10% Failures (h)	Life to 20% Failures (h)	Life to 50% Failures (h)
MASTERColour CDM-TC 35W/830 G8.5 1CT/12	9,000	10,000	11,000	12,000
MASTERColour CDM-TC 35W/842 G8.5 1CT/12	6,000	8,000	9,000	12,000
MASTERColour CDM-TC 70W/830 G8.5 1CT/12	9,000	8,000	9,000	12,000
MASTERColour CDM-TC 70W/842 G8.5 1CT/12	9,000	8,000	9,000	12,000

Color data

Commercial product name	Colour Rendering Index	Light source color ¹	Color Designation	Bulb Finish	Chromaticity Coordinate X	Chromaticity Coordinate Y
MASTERColour CDM-TC 35W/830 G8.5 1CT/12	81	830	Warm White (WW)	Clear	0.432	0.394
MASTERColour CDM-TC 35W/842 G8.5 1CT/12	85	842	Cool White (CW)	Clear	0.374	0.369
MASTERColour CDM-TC 70W/830 G8.5 1CT/12	83	830	Warm White (WW)	Clear	0.439	0.398
MASTERColour CDM-TC 70W/842 G8.5 1CT/12	89	842	Cool White (CW)	Clear	0.362	0.363

¹ 'Light source color' value description(s): '830' = CCT of 3000K, '842' = CCT of 4200K

Luminous flux/efficacy/intensity data

Commercial product name	Luminous Flux (Rated) (lm)	Luminous Efficacy (Rated) (lm/W)
MASTERColour CDM-TC 35W/830 G8.5 1CT/12	3,000	79.0
MASTERColour CDM-TC 35W/842 G8.5 1CT/12	3,100	79.0
MASTERColour CDM-TC 70W/830 G8.5 1CT/12	6,400	88.0
MASTERColour CDM-TC 70W/842 G8.5 1CT/12	5,800	79.0

Rated Lumen Maintenance data


Commercial product name	Lumen Maintenance 2000 h (%)	Lumen Maintenance 5000 h (%)	Lumen Maintenance 10000 h (%)
MASTERColour CDM-TC 35W/830 G8.5 1CT/12	80	65	50
MASTERColour CDM-TC 35W/842 G8.5 1CT/12	85	80	70
MASTERColour CDM-TC 70W/830 G8.5 1CT/12	85	75	65
MASTERColour CDM-TC 70W/842 G8.5 1CT/12	80	75	65

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Temperature data

Commercial product name	Correlated Color Temperature (K)	Color Temperature Technical (K)	Bulb Temperature (°C [max.])	Default Ambient Temperature (°C)
MASTERColour CDM-TC 35W/830 G8.5 1CT/12	3,000	3,000	500	25
MASTERColour CDM-TC 35W/842 G8.5 1CT/12	4,200	4,200	500	25
MASTERColour CDM-TC 70W/830 G8.5 1CT/12	3,000	2,915	550	25
MASTERColour CDM-TC 70W/842 G8.5 1CT/12	4,200	4,400	700	25

Environmental data & ETIM group & Design Requirements



Commercial product name	Energy Consumption kWh/1000 h (kWh)		Mercury (Hg) Content (mg)	ETIM Group ²
MASTERColour CDM-TC 35W/830 G8.5 1CT/12	43	A	3.1	EC000037
MASTERColour CDM-TC 35W/842 G8.5 1CT/12	43	A	2.7	EC000037
MASTERColour CDM-TC 70W/830 G8.5 1CT/12	80	A+	4.6	EC000037
MASTERColour CDM-TC 70W/842 G8.5 1CT/12	80	A	7.0	EC000037


² 'ETIM Group' value description(s): 'EC000037' = Metal Halide Lamp without Reflector

System data

Commercial product name	Initial input power (W)
MASTERColour CDM-TC 35W/830 G8.5 1CT/12	44
MASTERColour CDM-TC 35W/842 G8.5 1CT/12	44
MASTERColour CDM-TC 70W/830 G8.5 1CT/12	83

Operating data

Commercial product name		Default Burning Position	Ignition Supply Voltage (V [min.])	Ignition Supply Voltage (V [max.])	Default Gear		Default Cycle Time
MASTERColour CDM-TC 35W/830 G8.5 1CT/12	UNIVERSAL	Vertical	198	198	Electronic	No	12 hour cycle
MASTERColour CDM-TC 35W/842 G8.5 1CT/12	UNIVERSAL	Vertical	198	198	Electronic	No	12 hour cycle
MASTERColour CDM-TC 70W/830 G8.5 1CT/12	UNIVERSAL	Vertical	198	198	Electronic	No	12 hour cycle
MASTERColour CDM-TC 70W/842 G8.5 1CT/12	UNIVERSAL	Vertical			Electronic	No	12 hour cycle

³  value description(s): 'UNIVERSAL' = Any or Universal (U)

UV related data

Commercial product name	Pet (Niosh) (h/500lx [min.])
MASTERColour CDM-TC 35W/830 G8.5 1CT/12	8
MASTERColour CDM-TC 35W/842 G8.5 1CT/12	8
MASTERColour CDM-TC 70W/830 G8.5 1CT/12	8
MASTERColour CDM-TC 70W/842 G8.5 1CT/12	8

Miscellaneous & General data

Commercial product name	Bulb Shape ⁴	Cap-Base	ANSI Code	ILCOS Code
MASTERColour CDM-TC 35W/830 G8.5 1CT/12	T14	G8.5	C130/E	MT/UB-35/830-H-G8.5-17/85
MASTERColour CDM-TC 35W/842 G8.5 1CT/12	T14	G8.5		MT/UB-35/842-H-G8.5-17/85
MASTERColour CDM-TC 70W/830 G8.5 1CT/12	T14	G8.5	C139/E	MT/UB-70/830-H-G8.5-17/85
MASTERColour CDM-TC 70W/842 G8.5 1CT/12	T14	G8.5		MT/UB-70/842-H-G8.5-17/85

⁴ 'Bulb Shape' value description(s): 'T14' = T 14 mm



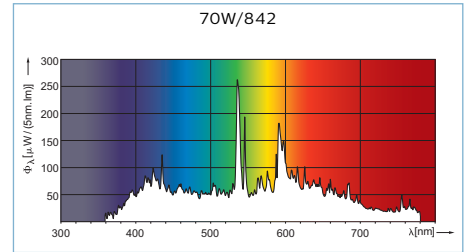
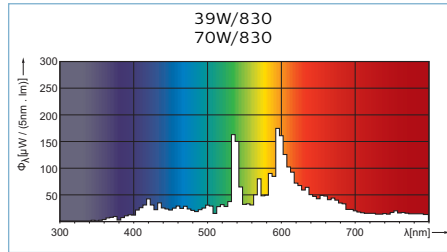
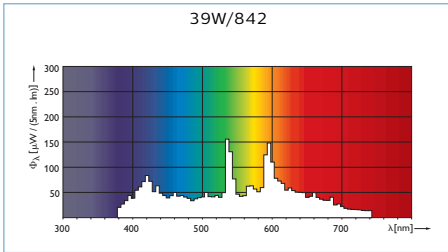
Logistic data

Commercial product name	SAP Packing (Piece)/Pack per outer aging configuration ⁵	Numerator - Packs per outer box	Ordering number	Material Nr. (12NC) (9280...)	SAP Gross Weight (Piece) (g)	Net Weight (Piece) (g)	EAN - 3
MASTERColour CDM-TC 35W/830 G8.5 1CT/12	CT / 12	12	871150020000615	85205125	23	10	8711500200013
MASTERColour CDM-TC 35W/830 G8.5 1CT/12	CT / 12	12	871869648459300	85205129	23	10	8718696484609
MASTERColour CDM-TC 35W/842 G8.5 1CT/12	CT / 12	12	871150020957315	93805125	23	10	8711500209580
MASTERColour CDM-TC 35W/842 G8.5 1CT/12	CT / 12	12	871869648461600	93805129	23	10	8718696484623
MASTERColour CDM-TC 70W/830 G8.5 1CT/12	CT / 12	12	871150020167615	86505131	23	10	8711500201683
MASTERColour CDM-TC 70W/830 G8.5 1CT/12	CT / 12	12	871869648463000	86505129	23	10	8718696484647
MASTERColour CDM-TC 70W/842 G8.5 1CT/12	CT / 12	12	871150021275715	94605131	23	10	8711500212764
MASTERColour CDM-TC 70W/842 G8.5 1CT/12	CT / 12	12	871869648465400	94605129	23	10	8718696484661

⁵ 'SAP Packing (Piece)/Packaging configuration' value description(s): 'CT / 12' = CARTON

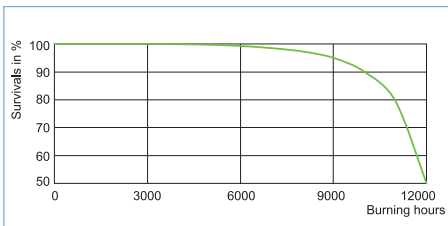


Spectral power distribution

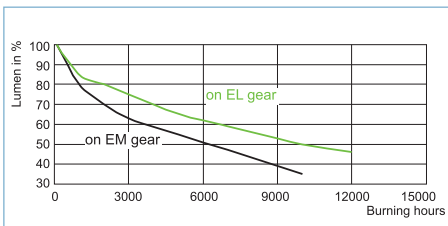


Performance diagrams

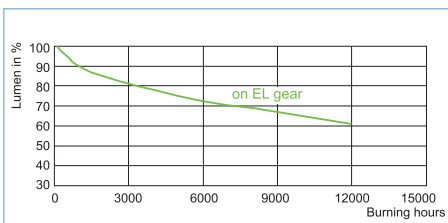
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Cap-Base Overview

