



Product Description

MASTERColour CDM-TC

Range of single-ended, very compact, high-efficiency, discharge lamps with a stable colour 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 colour impression over lifetime
- High lamp efficacy results in low operating costs and low heat generation (which enhances comfort for shoppers and staff)

Features

- Warm or cool white colour impression with good colour rendering
- Allows very small-size luminaire designs that give high beam intensities

Application

- Sparkling effect, ideal for accent lighting
- General and decorative lighting

Warnings and Safety

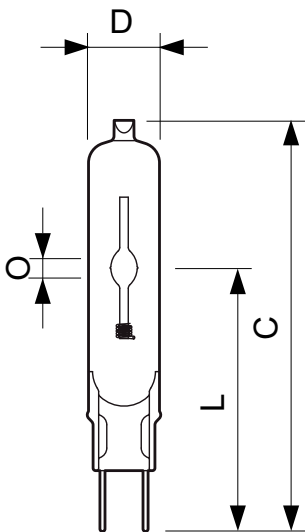
- Use only in totally enclosed luminaire, even during testing (IEC61167, IEC 62035, IEC60598)
- The luminaire must be able to contain hot lamp parts if the lamp ruptures
- Control gear must include end-of-life protection (IEC61167, IEC 62035)
- Use only with electronic control gear. 35W/830 lamps may 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.

Related products



CDM-TC, 20W, /830

Dimensional drawing



CDM-TC, 20W, /830

CDM-TC 20W/830 G8.5

Product	D	D	O	L	L	L	C
MASTERColour CDM-TC 20W/830 G8.5 1CT/12	15 mm	0.55 in	4 mm	51 mm	53 mm	52 mm	85 mm

General Information

order code	Bulb Shape	Cap-Base	Life To 10% Failures (Nom)	Life To 20% Failures (Nom)	Life To 50% Failures (Nom)	Life To 5% Failures (Nom)	Operating Position
20000615	T14	G8.5	10000	11000	12000	9000	UNIVERSAL
20957315	T14	G8.5	8000	9000	12000	6000	UNIVERSAL
20167615	T14	G8.5	8000	9000	12000	9000	UNIVERSAL
21275715	T14	G8.5	8000	9000	12000	9000	UNIVERSAL
87158600	T14	G8.5	10000	12000	15000	9000	UNIVERSAL

Light Technical (1/2)

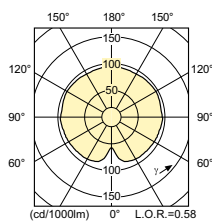
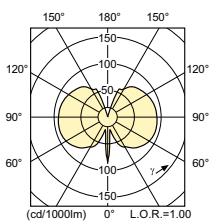
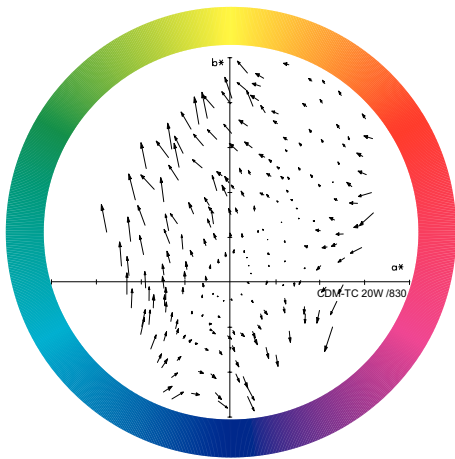
order code	Chromaticity Coordinate X (Nom)	Chromaticity Coordinate Y (Nom)	Color Designation	Correlated Color Temperature (Nom)	Color Rendering Index (Nom)	Lumen Maintenance 10000 h (Nom)	Lumen Maintenance 12000 h (Nom)	Lumen Maintenance 2000 h (Min)	Lumen Maintenance 2000 h (Nom)	Lumen Maintenance 5000 h (Min)
20000615	0.432	0.394	Warm white (WW)	3000	81	50	-	70	80	50
20957315	0.374	0.369	Cool White (CW)	4200	85	70	-	75	85	70
20167615	0.439	0.398	Warm white (WW)	3000	83	65	-	75	85	65
21275715	0.362	0.363	Cool White (CW)	4200	89	65	-	70	80	65
87158600	0.434	0.391	Warm white (WW)	2980	85	78	77	-	87	-

Light Technical (2/2)

order code	Lumen Maintenance 5000 h (Nom)	Luminous Efficacy (rated) (Nom)	Luminous Flux (Rated) (Min)	Luminous Flux (Rated) (Nom)
20000615	65	79	-	3000
20957315	80	79	-	3100
20167615	75	88	-	6400

order code	Lumen Maintenance 5000 h (Nom)	Luminous Efficacy (rated) (Nom)	Luminous Flux (Rated) (Min)	Luminous Flux (Rated) (Nom)
21275715	75	79	-	5800
87158600	83	90	1620	1800

Light technical



Operating and Electrical

order code	Lamp Current (EM) (Nom)	Voltage (Max)	Voltage (Min)	Voltage (Nom)	Power (Rated) (Nom)	Re-Ignition Time (Min) (Max)
20000615	0.53	96	80	88	35	15
20957315	-	93	77	85	39.0	15
20167615	-	87	78	83	70	15
21275715	-	93	83	88	70	15
87158600	-	100	90	95	20	15

Mechanical and Housing

order code	Bulb Finish	Bulb Material
20000615	Clear (CL)	UV-Block Quartz
20957315	Clear (CL)	UV-Block Quartz
20167615	Clear (CL)	UV-Block Quartz
21275715	Clear (CL)	UV-Block Quartz
87158600	Clear (CL)	UV-Block Quartz

order code	Energy Consumption kWh/1000 h	Energy Efficiency Label (EEL)	Mercury (Hg) Content (Nom)
21275715	80	A	7
87158600	22	A+	3.5

Luminaire Design Requirements

Approval and Application

order code	Energy Consumption kWh/1000 h	Energy Efficiency Label (EEL)	Mercury (Hg) Content (Nom)
20000615	43	A	3
20957315	43	A	2.7
20167615	80	A+	4.5

order code	Bulb Temperature (Max)
20000615	500
20957315	500
20167615	550
21275715	700
87158600	320



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