PHILIPS Lighting



Beautiful sparkle, reliable life

MASTERColour CDM-T

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

Benefits

- Stable color 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

Features

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

Application

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

Warnings and Safety

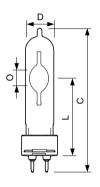
- Use only in totally enclosed luminaire, even during testing (IEC61167, IEC 62035, IEC60598)
- \cdot The luminaire must be able to contain hot lamp parts if the lamp ruptures
- Control gear must include end-of-life protection (IEC61167, IEC 62035)
- Lamps may use electronic or electromagnetic control gear, except 35W/942 and 20W lamps, which must use electronic control 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.

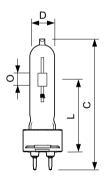
Versions



LPPR_CDM-T_0004-Product photo

Dimensional drawing





General Information	
Cap-Base	G12
Operating Position	UNIVERSAL
Controls and Dimming	
Dimmable	No
Mechanical and Housing	
Bulb Finish	Clear

Product	D (max)	0	L (min)	L (max)	L	C (max)
MASTERC CDM-T 250W/830	25 mm	12.3 mm	71.5 mm	73.5 mm	72.5 mm	135 mm
G12 1CT/12						

Product	D (max)	D	0	L (min)	L (max)	L	C (max)
MASTERC CDM-T	20 mm	0.75	9 mm	55 mm	57 mm	56 mm	110 mm
150W/830 G12 1CT		inch					
MASTERC CDM-T	20 mm	0.75	8 mm	55 mm	57 mm	56 mm	110 mm
150W/942 G12 1CT		inch					
MASTERC CDM-T	20 mm	0.75	5 mm	55 mm	57 mm	56 mm	103 mm
35W/830 G12 1CT/12		inch					
MASTERC CDM-T	20 mm	0.75	5 mm	55 mm	57 mm	56 mm	103 mm
35W/830 G12 1CT/12		inch					
MASTERC CDM-T	20 mm	0.75	5 mm	55 mm	57 mm	56 mm	103 mm
35W/842 G12 1CT/12		inch					
MASTERC CDM-T	20 mm	0.75	7 mm	55 mm	57 mm	56 mm	103 mm
70W/830 G12 1CT/12		inch					

Light Technical

	Coordinate X	Coordinate Y		Correlated Color	rendering	Luminous Efficacy	
Full Product Name	(Nom)	(Nom)	Color Designation	Temperature (Nom)	index (CRI)	(rated) (Nom)	Luminous Flux
MASTERColour CDM-T 35W/830 G12	0.428	0.397	Warm White (WW)	3000 K	83	79 lm/W	-
1CT/12							
MASTERColour CDM-T 35W/842 G12	0.370	0.367	Cool White (CW)	4200 K	84	77 lm/W	-
1CT/12							
MASTERColour CDM-T 70W/830 G12	0.432	0.395	Warm White (WW)	3000 K	84	85 lm/W	-
1CT/12							
MASTERColour CDM-T 35W/830 G12	0.434	0.398	Warm White (WW)	3000 K	83	79 lm/W	3,100 lm
1CT/12							
MASTERColour CDM-T 150W/830	0.434	0.398	Warm White (WW)	3000 K	88	88 lm/W	13,000 lm
G12 1CT							
MASTERColour CDM-T 150W/942	0.371	0.366	Cool White (CW)	4200 K	96	82 lm/W	12,100 lm
G12 1CT							
MASTERColour CDM-T 250W/830	0.434	0.398	Warm White (WW)	3000 K	85	111 lm/W	27,750 lm
G12 1CT/12							
	MASTERColour CDM-T 35W/830 G12 1CT/12 MASTERColour CDM-T 35W/842 G12 1CT/12 MASTERColour CDM-T 70W/830 G12 1CT/12 MASTERColour CDM-T 35W/830 G12 1CT/12 MASTERColour CDM-T 150W/842 G12 1CT MASTERColour CDM-T 150W/942 G12 1CT	MASTERColour CDM-T 35W/830 G12 0.428 1CT/12 MASTERColour CDM-T 35W/842 G12 0.370 1CT/12 MASTERColour CDM-T 70W/830 G12 0.432 1CT/12 MASTERColour CDM-T 35W/830 G12 0.434 1CT/12 MASTERColour CDM-T 150W/830 0.434 G12 1CT MASTERColour CDM-T 150W/942 0.371 G12 1CT MASTERColour CDM-T 250W/830 0.434	MASTERColour CDM-T 35W/830 G12 0.428 0.397 1CT/12 MASTERColour CDM-T 35W/842 G12 0.370 0.367 1CT/12 MASTERColour CDM-T 70W/830 G12 0.432 0.395 1CT/12 MASTERColour CDM-T 35W/830 G12 0.434 0.398 1CT/12 MASTERColour CDM-T 150W/830 0.434 0.398 G12 1CT MASTERColour CDM-T 150W/942 0.371 0.366 G12 1CT MASTERColour CDM-T 250W/830 0.434 0.398	MASTERColour CDM-T 35W/830 G12 0.428 0.397 Warm White (WW) ICT/12 MASTERColour CDM-T 35W/842 G12 0.370 0.367 Cool White (CW) ICT/12 MASTERColour CDM-T 70W/830 G12 0.432 0.395 Warm White (WW) ICT/12 MASTERColour CDM-T 70W/830 G12 0.432 0.398 Warm White (WW) ICT/12 MASTERColour CDM-T 35W/830 G12 0.434 0.398 Warm White (WW) ICT/12 MASTERColour CDM-T 150W/830 0.434 0.398 Warm White (WW) G12 1CT MASTERColour CDM-T 150W/942 0.371 0.366 Cool White (CW) G12 1CT MASTERColour CDM-T 150W/830 0.434 0.398 Warm White (WW)	MASTERColour CDM-T 35W/830 G12 0.428 0.397 Warm White (WW) 3000 K ICT/12 MASTERColour CDM-T 35W/842 G12 0.370 0.367 Cool White (CW) 4200 K ICT/12 MASTERColour CDM-T 70W/830 G12 0.432 0.395 Warm White (WW) 3000 K MASTERColour CDM-T 70W/830 G12 0.432 0.398 Warm White (WW) 3000 K MASTERColour CDM-T 35W/830 G12 0.434 0.398 Warm White (WW) 3000 K MASTERColour CDM-T 150W/830 0.434 0.398 Warm White (WW) 3000 K G12 1CT MASTERColour CDM-T 150W/942 0.371 0.366 Cool White (CW) 4200 K G12 1CT Warm White (WW) 0.00 K MASTERColour CDM-T 150W/942 0.371 0.368 Warm White (WW) 3000 K	MASTERColour CDM-T 35W/830 G12 0.428 0.397 Warm White (WW) 3000 K 83 ICT/12 MASTERColour CDM-T 35W/842 G12 0.370 0.367 Cool White (CW) 4200 K 84 ICT/12 MASTERColour CDM-T 70W/830 G12 0.432 0.395 Warm White (WW) 3000 K 84 ICT/12 MASTERColour CDM-T 35W/830 G12 0.432 0.398 Warm White (WW) 3000 K 83 MASTERColour CDM-T 35W/830 G12 0.434 0.398 Warm White (WW) 3000 K 83 ICT/12 MASTERColour CDM-T 150W/942 0.371 0.366 Cool White (CW) 4200 K 96 G12 1CT ICT ICT ICT ICT ICT ICT ICT MASTERColour CDM-T 150W/942 0.371 0.366 Cool White (CW) 4200 K 96 ICT MASTERColour CDM-T 150W/830 0.434 0.398 Warm White (WW) 3000 K 85	MASTERColour CDM-T 35W/830 G12 0.428 0.397 Warm White (WW) 3000 K 83 79 lm/W MASTERColour CDM-T 35W/842 G12 0.370 0.367 Cool White (CW) 4200 K 84 77 lm/W ICT/12 MASTERColour CDM-T 70W/830 G12 0.432 0.395 Warm White (WW) 3000 K 84 85 lm/W MASTERColour CDM-T 70W/830 G12 0.434 0.398 Warm White (WW) 3000 K 83 79 lm/W MASTERColour CDM-T 150W/830 0.434 0.398 Warm White (WW) 3000 K 88 88 lm/W ICT/12 MASTERColour CDM-T 150W/942 0.371 0.366 Cool White (CW) 4200 K 96 82 lm/W G12 1CT Warm White (WW) 3000 K 88 88 lm/W 111 lm/W MASTERColour CDM-T 150W/942 0.371 0.366 Cool White (CW) 4200 K 96 82 lm/W G12 1CT Warm White (WW) 3000 K 85 111 lm/W

Operating and Electrical

		Voltage	Power
Order Code	Full Product Name	(Nom)	Consumption
48443200	MASTERColour CDM-T 35W/830 G12	82 V	39.1 W
	1CT/12		
48445600	MASTERColour CDM-T 35W/842 G12	85 V	39.1 W
	1CT/12		
48447000	MASTERColour CDM-T 70W/830 G12	88 V	73.2 W
	1CT/12		
19697215	MASTERColour CDM-T 35W/830 G12	82 V	39.1 W
	1CT/12		

		Voltage	Power
Order Code	Full Product Name	(Nom)	Consumption
19780115	MASTERColour CDM-T 150W/830	96 V	150.1 W
	G12 1CT		
20005115	MASTERColour CDM-T 150W/942 G12	90 V	150.1 W
	1CT		
20801915	MASTERColour CDM-T 250W/830	95 V	250.0 W
	G12 1CT/12		

Mechanical and Housing

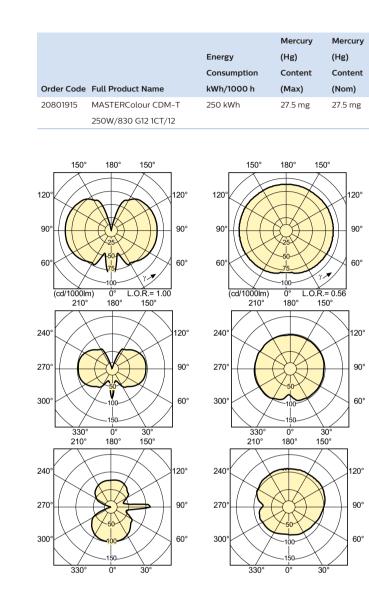
Order Code	Full Product Name	Bulb Shape
48443200	MASTERColour CDM-T 35W/830 G12 1CT/12	T19
48445600	MASTERColour CDM-T 35W/842 G12 1CT/12	T19
48447000	MASTERColour CDM-T 70W/830 G12 1CT/12	T19
19697215	MASTERColour CDM-T 35W/830 G12 1CT/12	T19

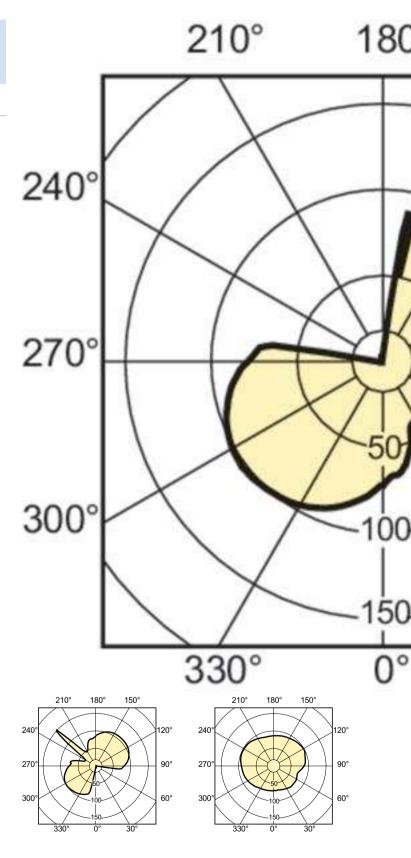
Order Code	Full Product Name	Bulb Shape
19780115	MASTERColour CDM-T 150W/830 G12 1CT	T19
20005115	MASTERColour CDM-T 150W/942 G12 1CT	T19
20801915	MASTERColour CDM-T 250W/830 G12 1CT/12	T24

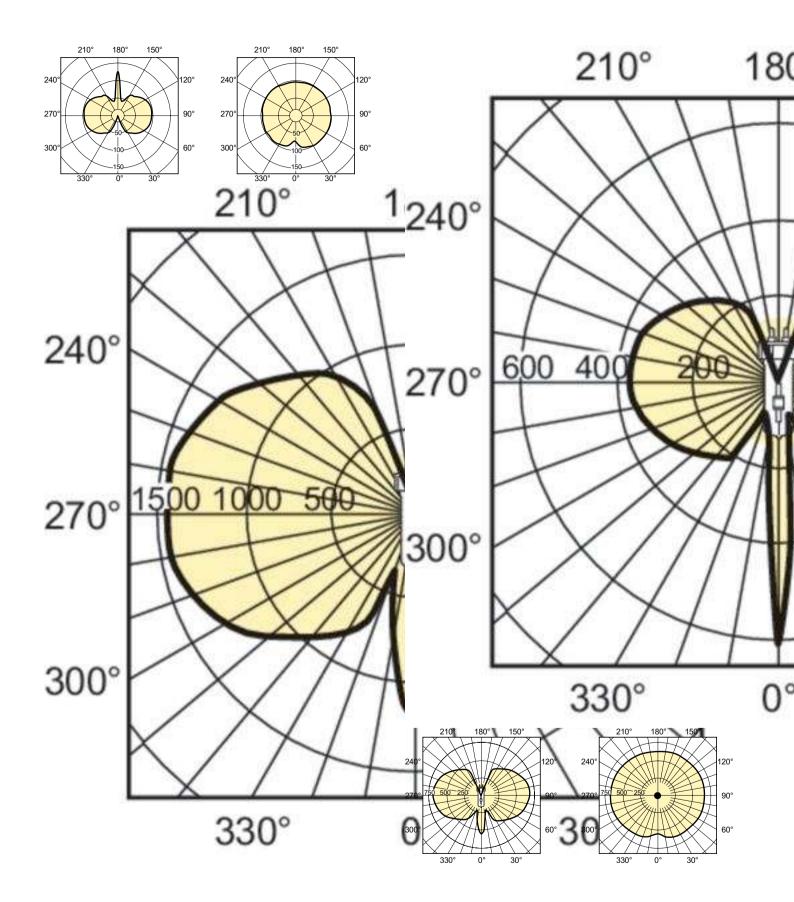
Approval and Application

			Mercury	Mercury
		Energy	(Hg)	(Hg)
		Consumption	Content	Content
Order Code	Full Product Name	kWh/1000 h	(Max)	(Nom)
48443200	MASTERColour CDM-T	43 kWh	-	3.1 mg
	35W/830 G12 1CT/12			
48445600	MASTERColour CDM-T	43 kWh	-	2.7 mg
	35W/842 G12 1CT/12			
48447000	MASTERColour CDM-T	80 kWh	-	4.6 mg
	70W/830 G12 1CT/12			

			Mercury	Mercury
		Energy	(Hg)	(Hg)
		Consumption	Content	Content
Order Code	Full Product Name	kWh/1000 h	(Max)	(Nom)
19697215	MASTERColour CDM-T	40 kWh	3.2 mg	3.1 mg
	35W/830 G12 1CT/12			
19780115	MASTERColour CDM-T	151 kWh	14.3 mg	14.3 mg
	150W/830 G12 1CT			
20005115	MASTERColour CDM-T	151 kWh	10.4 mg	10.4 mg
	150W/942 G12 1CT			









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