



Product Description

MASTERColour CDM-T Elite

Single-ended, high-efficiency Ceramic Metal Halide discharge lamp

Benefits

- Outstanding rendering of displayed merchandise due to high colour rendering (Ra 90) in combination with high lumen output; best offer in the market for 'enhancing merchandize'
- Excellent colour quality, which remains stable over lifetime
- Light output over lifetime maintains display brightness
- High efficacy and long lifetime for lowest operating costs and low heat generation
- Relatively low heat generation enhances comfort for shoppers and staff
- UV Block for reduced fading risk of merchandise

Features

- Crisp white light
- Excellent colour rendering (Ra 90)
- Reliable lifetime performance
- Stable colour performance during lifetime
- Increased light output compared with regular MASTERColour lamps
- Improved maintenance compared with regular MASTERColour lamps
- Burning position for
 - CDM Elite-T 35W: vertical +/- 60 degrees
 - CDM Elite-T 70W: universal

Application

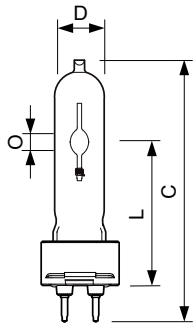
- Accent and display lighting with a sparkling effect, excellent solution for Retail
- Decorative outdoor floodlighting

MASTERColour CDM-T Elite

Versions

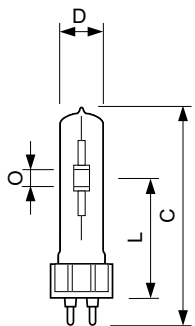


Dimensional drawing



Product	D (max)	O	L (min)	L (max)	L	C (max)
MASTERColour CDM-T Elite 100W/930 G12 1CT/12	20 mm	8.5 mm	55 mm	57 mm	56 mm	110 mm
MASTERColour CDM-T Elite 35W/930 G12 1CT/12	20 mm	4.8 mm	55 mm	57 mm	56 mm	103 mm
MASTERColour CDM-T Elite 35W/930 G12 1CT/12	20 mm	4.8 mm	55 mm	57 mm	56 mm	103 mm
MASTERColour CDM-T Elite 70W/942 G12 1CT	20 mm	7.75 mm	55 mm	57 mm	56 mm	103 mm
MASTERColour CDM-T Elite 70W/942 G12 1CT	20 mm	7.75 mm	55 mm	57 mm	56 mm	103 mm
MASTERColour CDM-T Elite 50W/930 G12 1CT/12	20 mm	6 mm	55 mm	57 mm	56 mm	103 mm
MASTERColour CDM-T Elite 50W/942 G12 1CT	20 mm	7.1 mm	55 mm	57 mm	56 mm	103 mm
MASTERColour CDM-T Elite 70W/930 G12 1CT/12	20 mm	7.15 mm	55 mm	57 mm	56 mm	103 mm
MASTERColour CDM-T Elite 70W/930 G12 1CT/12	20 mm	7.15 mm	55 mm	57 mm	56 mm	103 mm
MASTERColour CDM-T Elite 35W/942 G12 1CT	20 mm	5.2 mm	55 mm	57 mm	56 mm	103 mm
MASTERColour CDM-T Elite 35W/942 G12 1CT	20 mm	5.2 mm	55 mm	57 mm	56 mm	103 mm

Product	D (max)	O	L (min)	L (max)	L	C (max)
MASTERColour CDM-T Elite 150W/930 G12 1CT/12	20 mm	9 mm	55 mm	57 mm	56 mm	110 mm



MASTERColour CDM-T Elite

Approval and Application	
Energy Efficiency Label (EEL)	A+
Controls and Dimming	
Dimmable	no
Operating and Electrical	
Re-ignition Time (Min) (Max)	15 min
General Information	
Cap-Base	G12
Operating Position	UNIVERSAL
Luminaire Design Requirements	
Bulb Temperature (Max)	500 °C
Mechanical and Housing	
Bulb Finish	Clear (CL)
Bulb Shape	T19

Approval and Application

Order Code	Full Product Name	Energy Consumption kWh/1000 h	Mercury (Hg) Content (Nom)
928080015131	MASTERColour CDM-T Elite 50W/942 G12 1CT	55 kWh	5.7 mg
928191705131	MASTERColour CDM-T Elite 50W/930 G12 1CT/12	55 kWh	6.6 mg
928185205129	MASTERColour CDM-T Elite 35W/930 G12 1CT/12	43 kWh	4.7 mg
928185205131	MASTERColour CDM-T Elite 35W/930 G12 1CT/12	43 kWh	4.7 mg
928193605129	MASTERColour CDM-T Elite 35W/942 G12 1CT	43 kWh	4.7 mg
928193605131	MASTERColour CDM-T Elite 35W/942 G12 1CT	43 kWh	4.7 mg
928185305129	MASTERColour CDM-T Elite 70W/930 G12 1CT/12	80 kWh	6.6 mg
928185305131	MASTERColour CDM-T Elite 70W/930 G12 1CT/12	80 kWh	6.6 mg
928193705129	MASTERColour CDM-T Elite 70W/942 G12 1CT	80 kWh	6.6 mg
928193705131	MASTERColour CDM-T Elite 70W/942 G12 1CT	80 kWh	6.6 mg

Operating and Electrical (1/2)

Order Code	Full Product Name	Lamp			
		Current (EM) (Nom)	Voltage (Max)	Voltage (Min)	Voltage (Nom)
928080015131	MASTERColour CDM-T Elite 50W/942 G12 1CT	-	97 V	85 V	91 V
928191705131	MASTERColour CDM-T Elite 50W/930 G12 1CT/12	-	96 V	84 V	90 V
928185205129	MASTERColour CDM-T Elite 35W/930 G12 1CT/12	0.500 A	90 V	80 V	85 V
928185205131	MASTERColour CDM-T Elite 35W/930 G12 1CT/12	0.500 A	90 V	80 V	85 V
928193605129	MASTERColour CDM-T Elite 35W/942 G12 1CT	0.51 A	96 V	84 V	90 V

Order Code	Full Product Name	Lamp			
		Current (EM) (Nom)	Voltage (Max)	Voltage (Min)	Voltage (Nom)
928193605131	MASTERColour CDM-T Elite 35W/942 G12 1CT	0.51 A	96 V	84 V	90 V
928185305129	MASTERColour CDM-T Elite 70W/930 G12 1CT/12	1 A	90 V	79 V	85 V
928185305131	MASTERColour CDM-T Elite 70W/930 G12 1CT/12	1 A	90 V	79 V	85 V
928193705129	MASTERColour CDM-T Elite 70W/942 G12 1CT	0.97 A	93 V	81 V	87 V
928193705131	MASTERColour CDM-T Elite 70W/942 G12 1CT	0.97 A	93 V	81 V	87 V

Operating and Electrical (2/2)

Order Code	Full Product Name	Power	
		(Rated) (Min)	(Rated) (Nom)
928080015131	MASTERColour CDM-T Elite 50W/942 G12 1CT	50.0 W	50 W
928191705131	MASTERColour CDM-T Elite 50W/930 G12 1CT/12	50.0 W	50 W
928185205129	MASTERColour CDM-T Elite 35W/930 G12 1CT/12	-	39.0 W

Order Code	Full Product Name	Power	
		(Rated) (Min)	(Rated) (Nom)
928185205131	MASTERColour CDM-T Elite 35W/930 G12 1CT/12	-	39.0 W
928193605129	MASTERColour CDM-T Elite 35W/942 G12 1CT	-	39.0 W
928193605131	MASTERColour CDM-T Elite 35W/942 G12 1CT	-	39.0 W

MASTERCcolour CDM-T Elite

Order Code	Full Product Name	Power	
		(Rated) (Min)	Power (Rated) (Nom)
928185305129	MASTERCcolour CDM-T Elite 70W/930 G12 1CT/12	-	73 W
928185305131	MASTERCcolour CDM-T Elite 70W/930 G12 1CT/12	-	73 W

Order Code	Full Product Name	Power	
		(Rated) (Min)	Power (Rated) (Nom)
928193705129	MASTERCcolour CDM-T Elite 70W/942 G12 1CT	-	73 W
928193705131	MASTERCcolour CDM-T Elite 70W/942 G12 1CT	-	73 W

General Information

Order Code	Full Product Name	Life To	Life To	Life To	Life To
		10% Failures (Nom)	20% Failures (Nom)	50% Failures (Nom)	Life To 5% Failures (Nom)
928080015131	MASTERCcolour CDM-T Elite 50W/942 G12 1CT	10000 h	12000 h	15000 h	9000 h
928191705131	MASTERCcolour CDM-T Elite 50W/930 G12 1CT/12	14000 h	16000 h	20000 h	12000 h
928185205129	MASTERCcolour CDM-T Elite 35W/930 G12 1CT/12	14000 h	16000 h	20000 h	12000 h
928185205131	MASTERCcolour CDM-T Elite 35W/930 G12 1CT/12	14000 h	16000 h	20000 h	12000 h
928193605129	MASTERCcolour CDM-T Elite 35W/942 G12 1CT	10000 h	12000 h	15000 h	9000 h

Order Code	Full Product Name	Life To	Life To	Life To	Life To
		10% Failures (Nom)	20% Failures (Nom)	50% Failures (Nom)	Life To 5% Failures (Nom)
928193605131	MASTERCcolour CDM-T Elite 35W/942 G12 1CT	10000 h	12000 h	15000 h	9000 h
928185305129	MASTERCcolour CDM-T Elite 70W/930 G12 1CT/12	14000 h	16000 h	20000 h	12000 h
928185305131	MASTERCcolour CDM-T Elite 70W/930 G12 1CT/12	14000 h	16000 h	20000 h	12000 h
928193705129	MASTERCcolour CDM-T Elite 70W/942 G12 1CT	10000 h	12000 h	15000 h	9000 h
928193705131	MASTERCcolour CDM-T Elite 70W/942 G12 1CT	10000 h	12000 h	15000 h	9000 h

Light Technical (1/3)

Order Code	Full Product Name	Chromaticity	Chromaticity	Colour	Colour
		Coordinate X (Nom)	Coordinate Y (Nom)	Code	Designation
928080015131	MASTERCcolour CDM-T Elite 50W/942 G12 1CT	0.363	0.361	942	Cool White (CW)
928191705131	MASTERCcolour CDM-T Elite 50W/930 G12 1CT/12	0.435	0.396	930	Warm white (WW)
928185205129	MASTERCcolour CDM-T Elite 35W/930 G12 1CT/12	0.435	0.395	930	Warm white (WW)
928185205131	MASTERCcolour CDM-T Elite 35W/930 G12 1CT/12	0.435	0.395	930	Warm white (WW)
928193605129	MASTERCcolour CDM-T Elite 35W/942 G12 1CT	0.366	0.364	942	Cool White (CW)

Order Code	Full Product Name	Chromaticity	Chromaticity	Colour	Colour
		Coordinate X (Nom)	Coordinate Y (Nom)	Code	Designation
928193605131	MASTERCcolour CDM-T Elite 35W/942 G12 1CT	0.366	0.364	942	Cool White (CW)
928185305129	MASTERCcolour CDM-T Elite 70W/930 G12 1CT/12	0.435	0.396	930	Warm white (WW)
928185305131	MASTERCcolour CDM-T Elite 70W/930 G12 1CT/12	0.435	0.396	930	Warm white (WW)
928193705129	MASTERCcolour CDM-T Elite 70W/942 G12 1CT	0.362	0.363	942	Cool White (CW)
928193705131	MASTERCcolour CDM-T Elite 70W/942 G12 1CT	0.362	0.363	942	Cool White (CW)

Light Technical (2/3)

MASTERColour CDM-T Elite

Order Code	Full Product Name	Correlated	Colour	Colour	Lumen	Lumen	Lumen	Lumen	Lumen	
		Colour Temperature (Nom)	Colour Rendering Index (Min)	Colour Rendering Index (Nom)	Lumen Maintenance 1000 h (Nom)	Lumen Maintenance 10000 h (Nom)	Lumen Maintenance 12000 h (Nom)	Lumen Maintenance 2000 h (Nom)	Lumen Maintenance 4000 h (Nom)	Lumen Maintenance 5000 h (Nom)
928080015131	MASTERColour CDM-T Elite 50W/942 G12 1CT	4200 K	87	90	93 %	84 %	83 %	91 %	88 %	87 %
928191705131	MASTERColour CDM-T Elite 50W/930 G12 1CT/12	3000 K	87	90	97 %	83 %	82 %	95 %	90 %	88 %
928185205129	MASTERColour CDM-T Elite 35W/930 G12 1CT/12	3000 K	87	90	95 %	83 %	80 %	93 %	90 %	88 %
928185205131	MASTERColour CDM-T Elite 35W/930 G12 1CT/12	3000 K	87	90	95 %	83 %	80 %	93 %	90 %	88 %
928193605129	MASTERColour CDM-T Elite 35W/942 G12 1CT	4200 K	86	89	89 %	73 %	71 %	84 %	80 %	79 %
928193605131	MASTERColour CDM-T Elite 35W/942 G12 1CT	4200 K	86	89	89 %	73 %	71 %	84 %	80 %	79 %
928185305129	MASTERColour CDM-T Elite 70W/930 G12 1CT/12	3000 K	87	90	97 %	83 %	82 %	95 %	90 %	88 %
928185305131	MASTERColour CDM-T Elite 70W/930 G12 1CT/12	3000 K	87	90	97 %	83 %	82 %	95 %	90 %	88 %
928193705129	MASTERColour CDM-T Elite 70W/942 G12 1CT	4200 K	88	91	91 %	80 %	79 %	88 %	85 %	84 %
928193705131	MASTERColour CDM-T Elite 70W/942 G12 1CT	4200 K	88	91	91 %	80 %	79 %	88 %	85 %	84 %

Light Technical (3/3)

Order Code	Full Product Name	Luminous Efficacy (rated) (Nom)	Luminous Flux (Rated) (Nom)	Order Code	Full Product Name	Luminous Efficacy (rated) (Nom)	Luminous Flux (Rated) (Nom)
928080015131	MASTERColour CDM-T Elite 50W/942 G12 1CT	100 lm/W	5000 lm	928185305129	MASTERColour CDM-T Elite 70W/930 G12 1CT/12	103 lm/W	7800 lm
928191705131	MASTERColour CDM-T Elite 50W/930 G12 1CT/12	108 lm/W	5450 lm	928185305131	MASTERColour CDM-T Elite 70W/930 G12 1CT/12	103 lm/W	7800 lm
928185205129	MASTERColour CDM-T Elite 35W/930 G12 1CT/12	98 lm/W	4050 lm	928193705129	MASTERColour CDM-T Elite 70W/942 G12 1CT	100 lm/W	7500 lm
928185205131	MASTERColour CDM-T Elite 35W/930 G12 1CT/12	98 lm/W	4050 lm	928193705131	MASTERColour CDM-T Elite 70W/942 G12 1CT	100 lm/W	7500 lm
928193605129	MASTERColour CDM-T Elite 35W/942 G12 1CT	98 lm/W	3850 lm				
928193605131	MASTERColour CDM-T Elite 35W/942 G12 1CT	98 lm/W	3850 lm				

MASTERColour CDM-T Elite

