



The next generation in retail lighting -Simply irresistable

MASTERColor CDM-Rm Elite Mini

The Elite family is at the very top of the MasterColor CDM range, and gives a unique combination of unbeatable light quality and consistent performance over lifetime, while keeping running costs low. The MasterColor DCM Elite MR16 combines the familiar compact shape of MR16 halogen lamps with the performance of ceramic metal halide MasterColor Elite lamps. Suited for accent/decorative lighting, general lighting and downlighting in retail applications; or for outdoor landscaping and architectural effects.

Benefits

- Easy to install and replace, 100% compatible with existing HID systems in markets today
- Miniaturized reflector eliminates need for optical design
- Excellent choice for today's lighting designs

Features

- Sparkling light - 90 CRI with crisp white light (3000K)
- Long life- 12,000 hours rated average life*
- Lamp-to-lamp color consistency
- GX10 twist-and-lock design locks base into place
- Miniaturized

Application

- Ideal for display lighting, and accent lighting, general lighting and down lighting in retail applications; and for outdoor landscaping and architectural effects in retail and hospitality applications.

PHILIPS

Warnings and Safety

- R "WARNING: These lamps can cause serious skin burn and eye inflammation from short wave ultraviolet radiation if outer envelope of the lamp is broken or punctured. Do not use where people will remain for more than a few minutes unless adequate shielding or

other safety precautions are used. Certain lamps that will automatically extinguish when the outer envelope is broken or punctured are commercially available." This lamp complies with FDA radiation performance standard 21 CFR subchapter J. (USA:21 CFR 1040.30 Canada: SOR/DORS/80-381)

Related products



CDM-Rm, 35W/50W, /930, GX10, MR16, 25D/40D



CDM-Rm, 35W, GX10, MR16, 10D

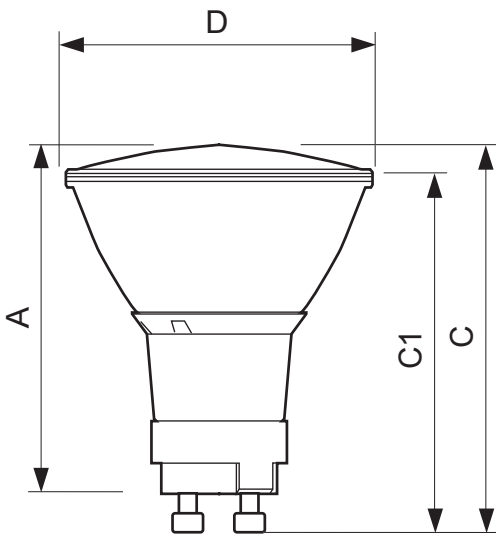


CDM-Rm, 20W, GX10, 25D/40D



CDM-Rm, 20W, GX10, 10D

Dimensional drawing



MASTERColor CDM-Rm Elite Mini 20W/830 GX10 MR16 10D

Product	A (Max)	C (Norm)	C (Max)	C1 (Max)	D (Norm)	D (Max)
CDM-Rm 20W/830 GX10 MR16 10D	59	62.75	65.4	60.9	50	51

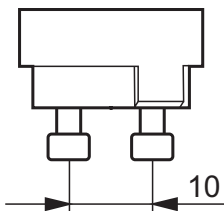
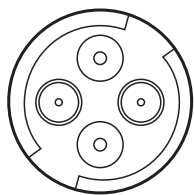
Dimensional drawing

CDM-Rm 20W/830 GX10 MR16 25D	59	62.75	65.4	60.9	50	51
CDM-Rm 20W/830 GX10 MR16 40D	59	62.75	65.4	60.9	50	51
CDM-Rm 50W/930 GX10 MR16 25D	59	62.75	65.4	60.9	50	51
CDM-Rm 50W/930 GX10 MR16 40D	59	62.75	65.4	60.9	50	51
CDM-Rm 35W/930 GX10 MR16 10D	59	62.75	65.4	60.9	50	51
CDM-Rm 35W/930 GX10 MR16 25D	59	62.75	65.4	60.9	50	51
CDM-Rm 35W/930 GX10 MR16 40D	59	62.75	65.4	60.9	50	51

General Characteristics

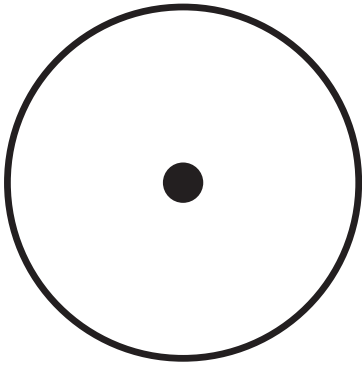
Order code	Full product name	Base	Bulb	Bulb Finish	Operating Position	Life to 5% failures	Life to 10% failures	Life to 20% failures	RatedAvgLife(See Family Notes)
928193205315	MASTERColor® CDM-Rm Elite Mini 50W/930 GX10 MR16 25D	GX10	MR16	-	Universal	6000 hr	7500 hr	9000 hr	12000 hr
928193305315	MASTERColor® CDM-Rm Elite Mini 50W/930 GX10 MR16 40D	GX10	MR16	-	Universal	6000 hr	7500 hr	9000 hr	12000 hr
928194705315	MASTERColor® CDM-Rm Elite Mini 35W/930 GX10 MR16 25D	GX10	MR16	-	Universal	9000 hr	10000 hr	12000 hr	15000 hr
928194805315	MASTERColor® CDM-Rm Elite Mini 35W/930 GX10 MR16 40D	GX10	MR16	-	Universal	9000 hr	10000 hr	12000 hr	15000 hr
928194605315	MASTERColor® CDM-Rm Elite Mini 35W/930 GX10 MR16 10D	GX10	MR16	-	Universal	9000 hr	10000 hr	12000 hr	15000 hr
928191105315	MASTERColor® CDM-Rm Elite Mini 20W/830 GX10 MR16 25D	GX10	MR16	-	Universal	9000 hr	10000 hr	12000 hr	15000 hr
928191205315	MASTERColor® CDM-Rm Elite Mini 20W/830 GX10 MR16 40D	GX10	MR16	-	Universal	9000 hr	10000 hr	12000 hr	15000 hr
928191005315	MASTERColor® CDM-Rm Elite Mini 20W/830 GX10 MR16 10D	GX10	MR16	-	Universal	9000 hr	10000 hr	12000 hr	15000 hr

Installation diagrams



GX10

Installation diagrams



any

Light Technical Characteristics (1/2)

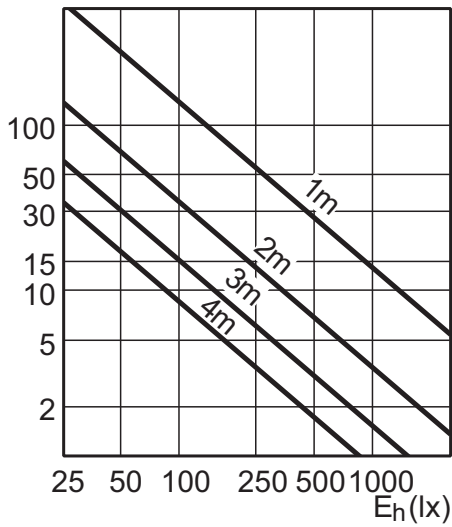
Order code	Full product name	Beam Description	Beam Angle	Approx. MBCP	Color Code	Color Rendering Index	Color Temperature	Initial Lumens	Initial Lumens	Forward Luminous Output	Forward Luminous Efficacy
928193205315	MASTERColor® CDM-Rm Elite Mini 50W/930 GX10 MR16 25D	-	25 D	11500 cd	930	87 (min), 90 (nom) Ra8	3000 K	Lm	Lm	3150 (min), 3500 (nom) Lm	70 Lm/W
928193305315	MASTERColor® CDM-Rm Elite Mini 50W/930 GX10 MR16 40D	-	40 D	7000 cd	930	87 (min), 90 (nom) Ra8	3000 K	Lm	Lm	3150 (min), 3500 (nom) Lm	70 Lm/W
928194705315	MASTERColor® CDM-Rm Elite Mini 35W/930 GX10 MR16 25D	-	25 D	8500 cd	930	90 (min), 91 (nom) Ra8	3000 K	Lm	Lm	2200 (min), 2400 (nom) Lm	61.5 Lm/W
928194805315	MASTERColor® CDM-Rm Elite Mini 35W/930 GX10 MR16 40D	-	40 D	4400 cd	930	90 (min), 91 (nom) Ra8	3000 K	Lm	Lm	2200 (min), 2400 (nom) Lm	61.5 Lm/W
928194605315	MASTERColor® CDM-Rm Elite Mini 35W/930 GX10 MR16 10D	-	10 D	20000 cd	930	90 (min), 91 (nom) Ra8	3000 K	Lm	Lm	2200 (min), 2400 (nom) Lm	61.5 Lm/W
928191105315	MASTERColor® CDM-Rm Elite Mini 20W/830 GX10 MR16 25D	-	25 D	4500 cd	830	81 (min), 84 (nom) Ra8	3000 K	Lm	Lm	945 (min), 1050 (nom) Lm	53 Lm/W
928191205315	MASTERColor® CDM-Rm Elite Mini 20W/830 GX10 MR16 40D	-	40 D	2100 cd	830	81 (min), 84 (nom) Ra8	3000 K	Lm	Lm	945 (min), 1050 (nom) Lm	53 Lm/W
928191005315	MASTERColor® CDM-Rm Elite Mini 20W/830 GX10 MR16 10D	-	10 D	13500 cd	830	81 (min), 84 (nom) Ra8	3000 K	Lm	Lm	945 (min), 1050 (nom) Lm	53 Lm/W

Light Technical Characteristics (2/2)

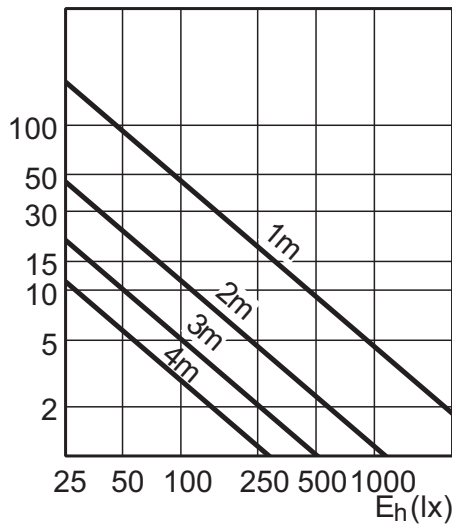
Order code	Full product name	LLMF - end nominal lifetime	Forward Lum Maintenance 2000h	Forward Lum Maintenance 4000h	Forward Lum Maintenance 8000h	Forward Lum Maintenance 12000h	Forward Lum Maintenance 15000h	Design Mean Lumens EL	Chromaticity Coordinate X	Chromaticity Coordinate Y
928193205315	MASTERColor® CDM-Rm Elite Mini 50W/930 GX10 MR16 25D	87 %	95 %	93 %	90 %	87 %	%	3200 Lm	0.441 -	0.406 -

Order code	Full product name	LLMF - end nominal lifetime	Forward Lum Maintenance 2000h	Forward Lum Maintenance 4000h	Forward Lum Maintenance 8000h	Forward Lum Maintenance 12000h	Forward Lum Maintenance 15000h	Design Mean Lumens EL	Chromaticity Coordinate X	Chromaticity Coordinate Y
928193305315	MASTERColor® CDM-Rm Elite Mini 50W/930 GX10 MR16 40D	87 %	95 %	93 %	90 %	87 %	%	3200 Lm	0.441 -	0.406 -
928194705315	MASTERColor® CDM-Rm Elite Mini 35W/930 GX10 MR16 25D	86 %	95 %	93 %	90 %	87 %	86 %	2200 Lm	0.439 -	0.403 -
928194805315	MASTERColor® CDM-Rm Elite Mini 35W/930 GX10 MR16 40D	86 %	95 %	93 %	90 %	87 %	86 %	2200 Lm	0.439 -	0.403 -
928194605315	MASTERColor® CDM-Rm Elite Mini 35W/930 GX10 MR16 10D	86 %	95 %	93 %	90 %	87 %	86 %	2200 Lm	0.439 -	0.403 -
928191105315	MASTERColor® CDM-Rm Elite Mini 20W/830 GX10 MR16 25D	70 %	92 %	85 %	78 %	75 %	70 %	850 Lm	0.440 -	0.400 -
928191205315	MASTERColor® CDM-Rm Elite Mini 20W/830 GX10 MR16 40D	70 %	92 %	85 %	78 %	75 %	70 %	850 Lm	0.440 -	0.400 -
928191005315	MASTERColor® CDM-Rm Elite Mini 20W/830 GX10 MR16 10D	70 %	92 %	85 %	78 %	75 %	70 %	850 Lm	0.440 -	0.400 -

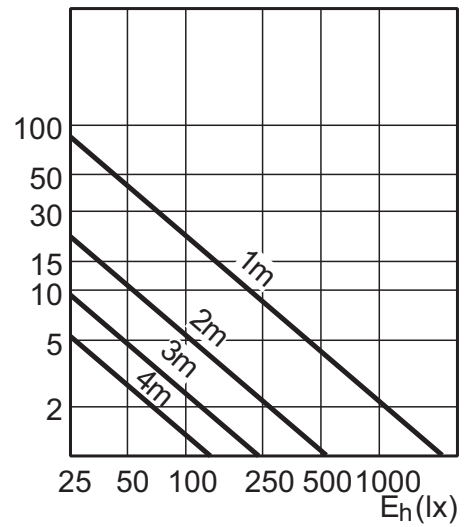
Light technical



CDM-Rm 20W /830 10D

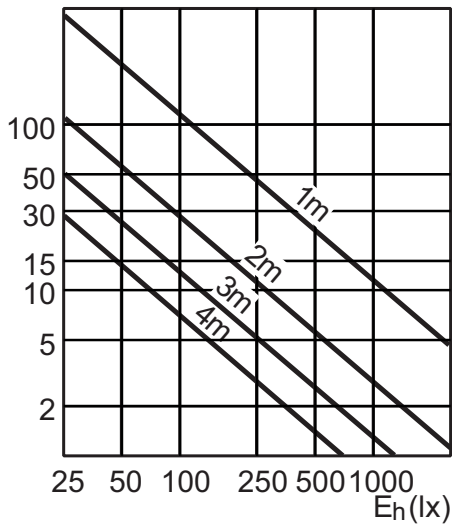


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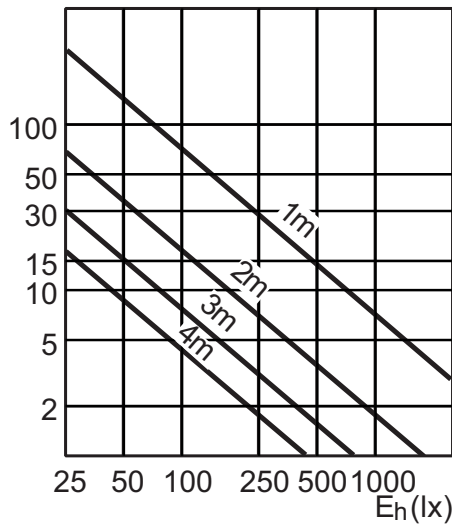


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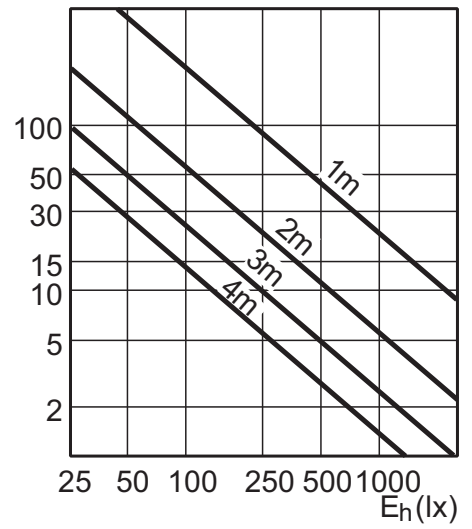
Light technical



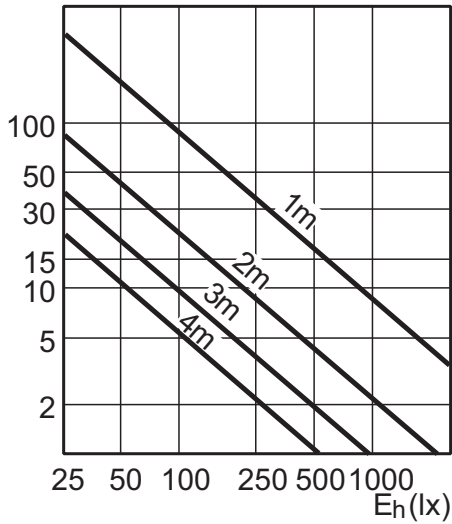
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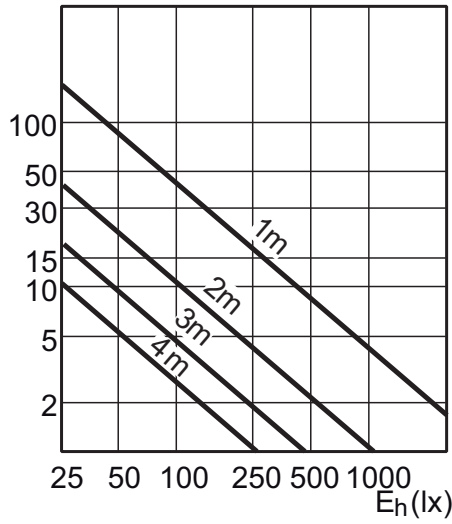
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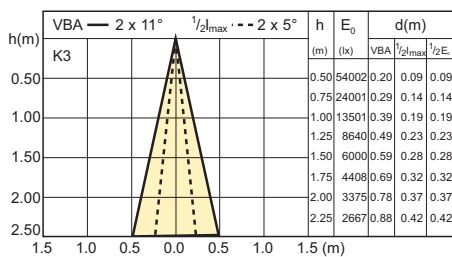
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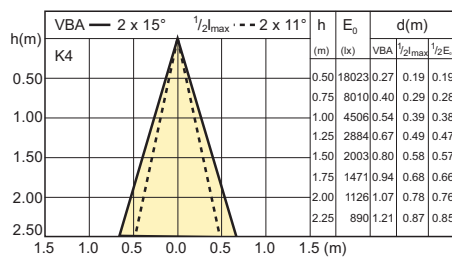
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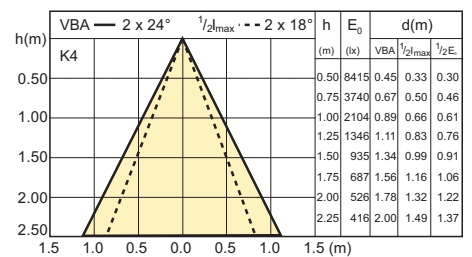
CDM-Rm 35W /930 40D



CDM-Rm 20W /830 10D

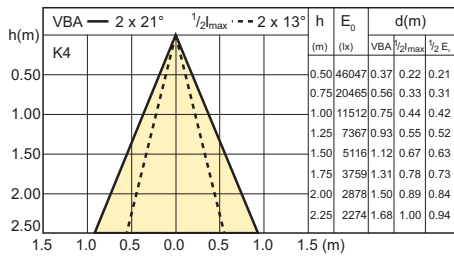


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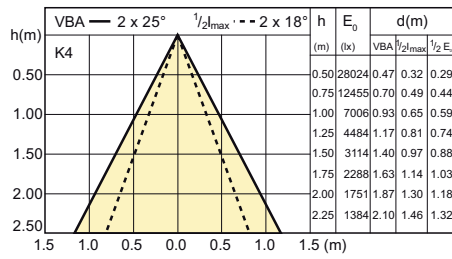


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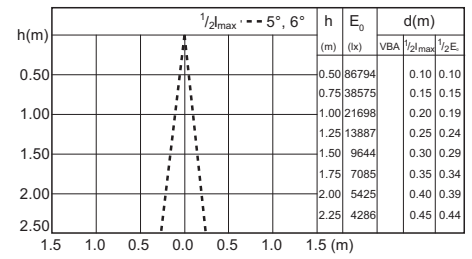
Light technical



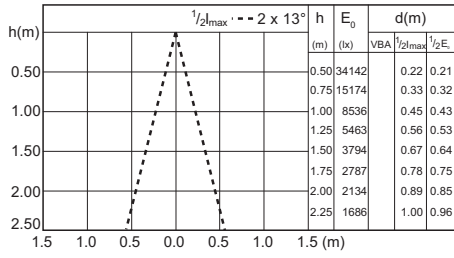
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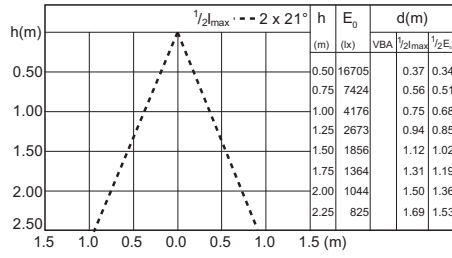
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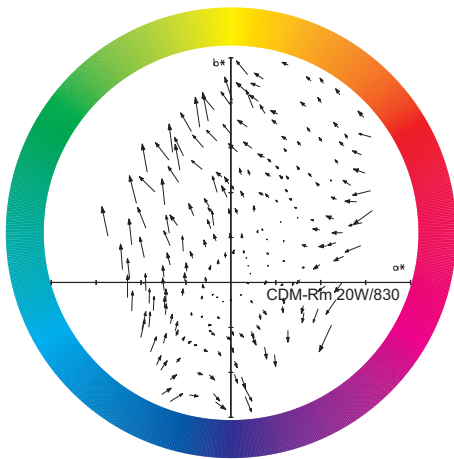
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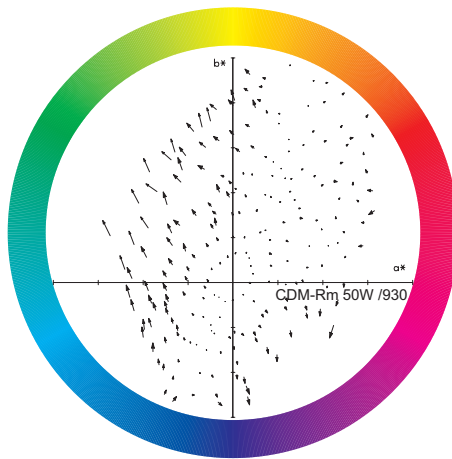
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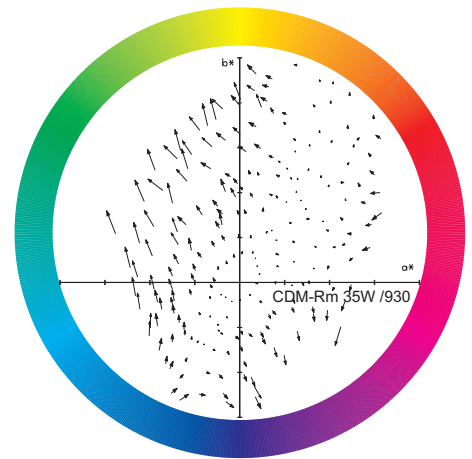
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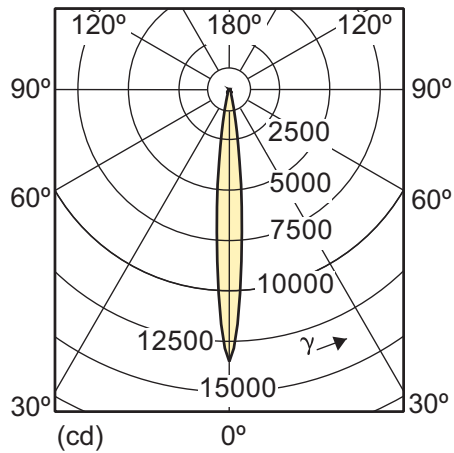
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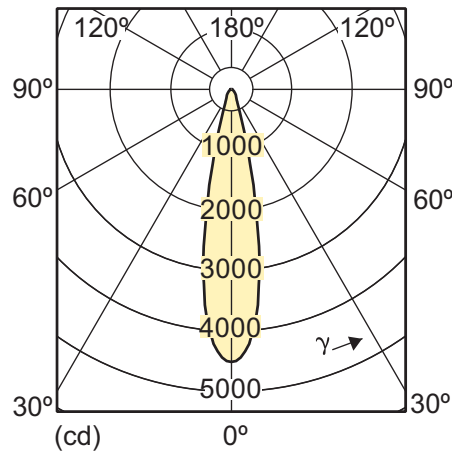
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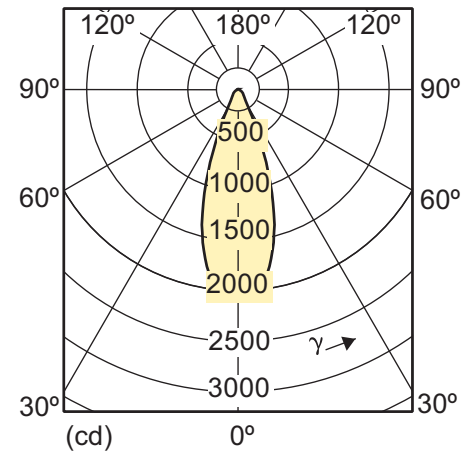
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CDM-Rm 20W /830 10D

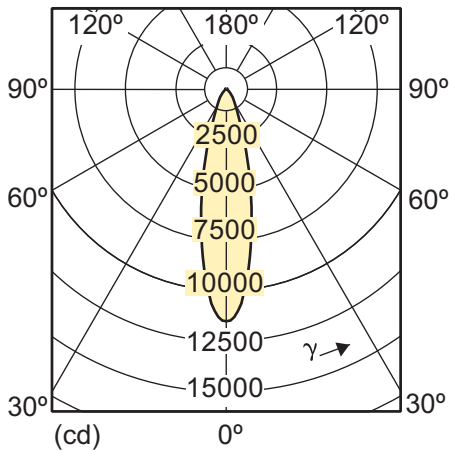


CDM-Rm 20W /830 25D

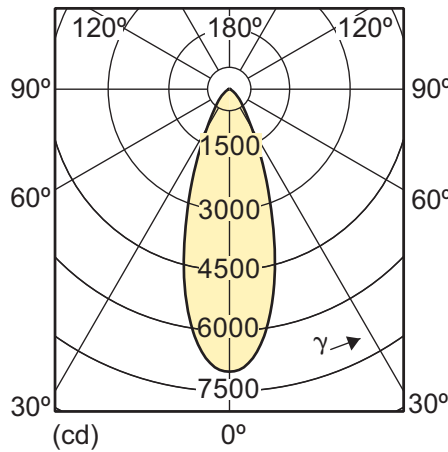


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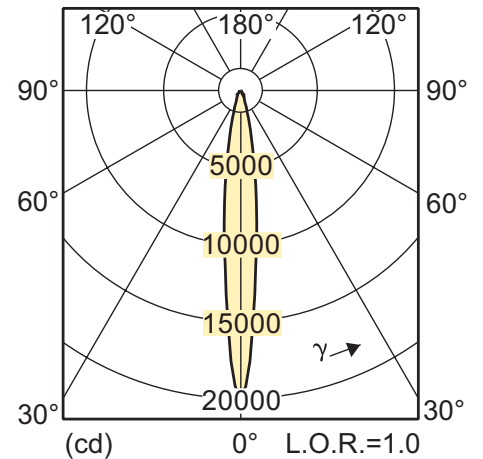
Light technical



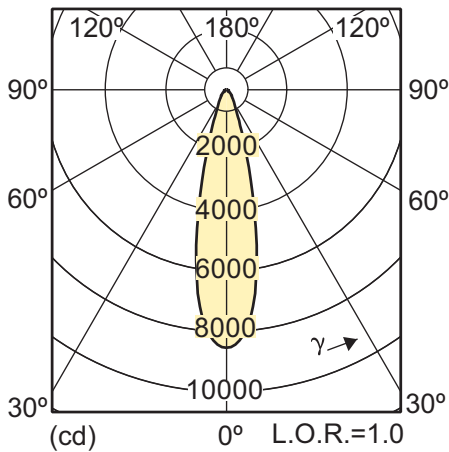
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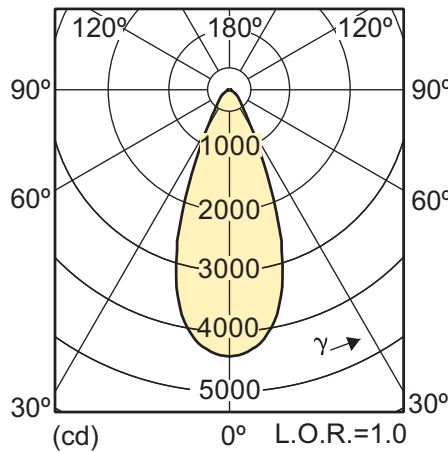
CDM-Rm 50W /930 40D



CDM-Rm 35W /930 10D



CDM-Rm 35W /930 25D



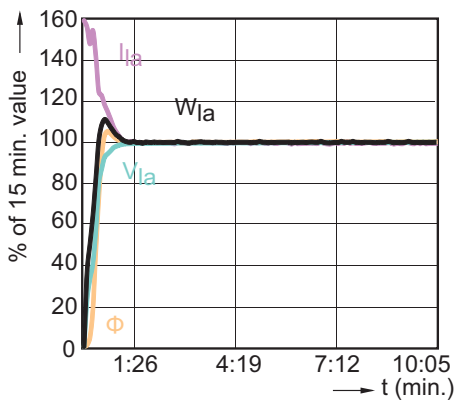
CDM-Rm 35W /930 40D

Electrical Characteristics

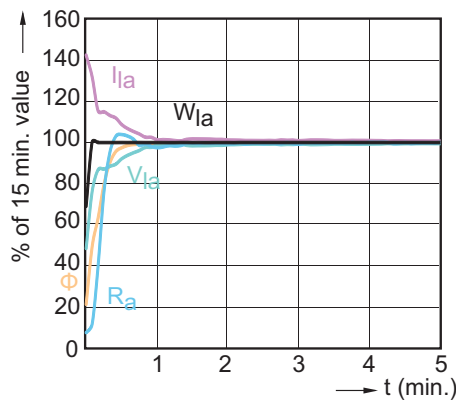
Order code	Full product name	Energy Used	Lamp Wattage EM	Lamp Wattage EM 25°C, Rated	Lamp Wattage EL	Lamp Wattage EL 25°C, Rated	Lamp Voltage	Lamp Current EM	Lamp Current EL	Dimmable	Warm-up Time to 60% Light Outp
928193205315	MASTERColor® CDM-Rm Elite Mini 50W/930 GX10 MR16 25D	50 W	W	W	50 W	50.0 W	89 V	A	0.575 A	No	120 s
928193305315	MASTERColor® CDM-Rm Elite Mini 50W/930 GX10 MR16 40D	50 W	W	W	50 W	50.0 W	89 V	A	0.575 A	No	120 s
928194705315	MASTERColor® CDM-Rm Elite Mini 35W/930 GX10 MR16 25D	35 W	W	W	35 W	39.0 W	87 V	A	0.450 A	No	120 s
928194805315	MASTERColor® CDM-Rm Elite Mini 35W/930 GX10 MR16 40D	35 W	W	W	35 W	39.0 W	87 V	A	0.450 A	No	120 s
928194605315	MASTERColor® CDM-Rm Elite Mini 35W/930 GX10 MR16 10D	35 W	W	W	35 W	39.0 W	87 V	A	0.450 A	No	120 s
928191105315	MASTERColor® CDM-Rm Elite Mini 20W/830 GX10 MR16 25D	20 W	W	W	20 W	20.0 W	93 V	A	0.215 A	No	120 s

Order code	Full product name	Energy Used	Lamp Wattage EM	Lamp Wattage EM 25°C, Rated	Lamp Wattage EL	Lamp Wattage EL 25°C, Rated	Lamp Voltage	Lamp Current EM	Lamp Current EL	Dimmable	Warm-up Time to 60% Light Outp
928191205315	MASTERColor® CDM-Rm Elite Mini 20W/830 GX10 MR16 40D	20 W	W	W	20 W	20.0 W	93 V	A	0.215 A	No	120 s
928191005315	MASTERColor® CDM-Rm Elite Mini 20W/830 GX10 MR16 10D	20 W	W	W	20 W	20.0 W	93 V	A	0.215 A	No	120 s

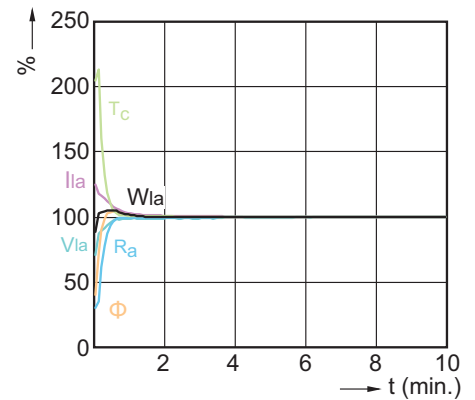
Performance diagrams



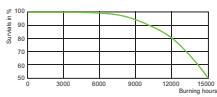
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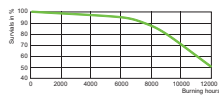
CDM-Rm 50W /930



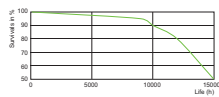
CDM-Rm 35W /930



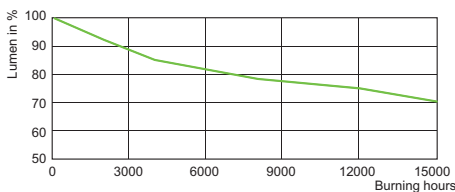
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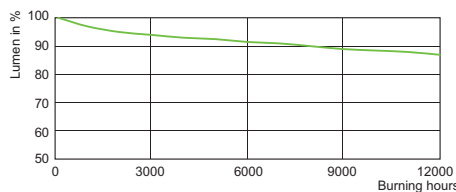
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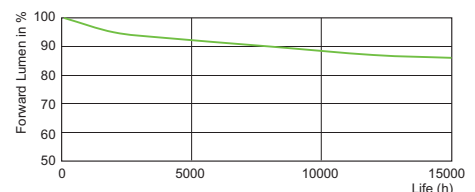
CDM-Rm 35W /930



CDM-Rm 20W /830



CDM-Rm 50W /930



CDM-Rm 35W /930

Environmental Characteristics

Order code	Full product name	Energy Efficiency Label (EEL)	Mercury (Hg) Content	Energy consumption kWh/1000h
928193205315	MASTERColor® CDM-Rm Elite Mini 50W/930 GX10 MR16 25D	A	6.4 mg	55 kWh
928193305315	MASTERColor® CDM-Rm Elite Mini 50W/930 GX10 MR16 40D	A	6.4 mg	55 kWh

Order code	Full product name	Energy Efficiency Label (EEL)	Mercury (Hg) Content	Energy consumption kWh/1000h
928194705315	MASTERColor® CDM-Rm Elite Mini 35W/930 GX10 MR16 25D	A	4.7 mg	43 kWh
928194805315	MASTERColor® CDM-Rm Elite Mini 35W/930 GX10 MR16 40D	A	4.7 mg	43 kWh
928194605315	MASTERColor® CDM-Rm Elite Mini 35W/930 GX10 MR16 10D	A	4.7 mg	43 kWh

Order code	Full product name	Energy Efficiency Label (EEL)	Mercury (Hg) Content	Energy consumption kWh/1000h
928191105315	MASTERColor® CDM-Rm Elite Mini 20W/830 GX10 MR16 25D	A	3.5 mg	22 kWh
928191205315	MASTERColor® CDM-Rm Elite Mini 20W/830 GX10 MR16 40D	A	3.5 mg	22 kWh
928191005315	MASTERColor® CDM-Rm Elite Mini 20W/830 GX10 MR16 10D	A	3.5 mg	20 kWh

Measuring Conditions

Order code	Full product name	Switching cycle
928193205315	MASTERColor® CDM-Rm Elite Mini 50W/930 GX10 MR16 25D	1000X
928193305315	MASTERColor® CDM-Rm Elite Mini 50W/930 GX10 MR16 40D	1000X
928194705315	MASTERColor® CDM-Rm Elite Mini 35W/930 GX10 MR16 25D	1350X
928194805315	MASTERColor® CDM-Rm Elite Mini 35W/930 GX10 MR16 40D	1350X
928194605315	MASTERColor® CDM-Rm Elite Mini 35W/930 GX10 MR16 10D	1350X
928191105315	MASTERColor® CDM-Rm Elite Mini 20W/830 GX10 MR16 25D	1350X

Order code	Full product name	Switching cycle
928191205315	MASTERColor® CDM-Rm Elite Mini 20W/830 GX10 MR16 40D	1350X
928191005315	MASTERColor® CDM-Rm Elite Mini 20W/830 GX10 MR16 10D	1350X

Luminaire Design Requirements

Order code	Full product name	Cap-Base Temperature	Bulb Temperature
928193205315	MASTERColor® CDM-Rm Elite Mini 50W/930 GX10 MR16 25D	C	C
928193305315	MASTERColor® CDM-Rm Elite Mini 50W/930 GX10 MR16 40D	C	C
928194705315	MASTERColor® CDM-Rm Elite Mini 35W/930 GX10 MR16 25D	C	C
928194805315	MASTERColor® CDM-Rm Elite Mini 35W/930 GX10 MR16 40D	C	C
928194605315	MASTERColor® CDM-Rm Elite Mini 35W/930 GX10 MR16 10D	C	C
928191105315	MASTERColor® CDM-Rm Elite Mini 20W/830 GX10 MR16 25D	C	C
928191205315	MASTERColor® CDM-Rm Elite Mini 20W/830 GX10 MR16 40D	C	C
928191005315	MASTERColor® CDM-Rm Elite Mini 20W/830 GX10 MR16 10D	C	C



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2013, November 6
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