PHILIPS

Lighting



Perfect sparkle, easy application

MASTERColour CDM-Rm Elite Mini

Mini, very high-efficiency Ceramic Metal Halide discharge reflector lamp producing crisp white sparkling light with high colour rendering

Benefits

- High-intensity beam of crisp white sparkling light makes merchandise look irresistible
- Easy to install and replace, reducing installation and relamping costs
- Fits in small luminaires which are less visible

Features

- Crisp white sparkling light
- Excellent colour rendering, with extra red
- High efficacy with unparalleled lumen maintenance
- Mini design fitting in open luminaires
- UV-blocking front glass

Application

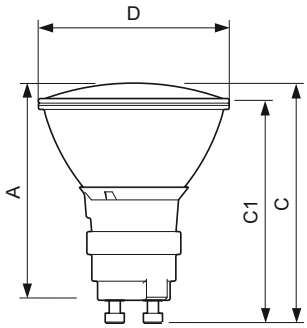
- Accent and display lighting in retail
- General and decorative indoor lighting

Warnings and Safety

- Use only with electronic control gear
- Control gear must include end-of-life protection (IEC61167, IEC 62035)

MASTERColour CDM-Rm Elite Mini

Dimensional drawing



Product	D (max)	D	C (max)	C	C1 (max)	A (max)
CDM-Rm Elite Mini 20W/830 GX10 MR16 10D	51 mm	50 mm	65.4 mm	62.75 mm	60.9 mm	59 mm
CDM-Rm Elite Mini 20W/830 GX10 MR16 25D	51 mm	50 mm	65.4 mm	62.75 mm	60.9 mm	59 mm
CDM-Rm Elite Mini 20W/830 GX10 MR16 40D	51 mm	50 mm	65.4 mm	62.75 mm	60.9 mm	59 mm
CDM-Rm Elite Mini 35W/930 GX10 MR16 10D	51 mm	50 mm	65.4 mm	62.75 mm	60.9 mm	59 mm
CDM-Rm Elite Mini 35W/930 GX10 MR16 25D	51 mm	50 mm	65.4 mm	62.75 mm	60.9 mm	59 mm
CDM-Rm Elite Mini 35W/930 GX10 MR16 40D	51 mm	50 mm	65.4 mm	62.75 mm	60.9 mm	59 mm

General Information	
Cap base	GX10
Switching Cycle	1,350
Operating position	UNIVERSAL
Light Technical	
Chromaticity Coordinate X (Nom)	0.434
Chromaticity Coordinate Y (Nom)	0.398
Correlated Colour Temperature	3000 K
Operating and Electrical	
Warm-up time to 60% light	120 s
Controls and Dimming	
Dimmable	No
Mechanical and Housing	
Bulb shape	MR16

Light Technical (1/2)

Order Code	Full Product Name	Beam angle (nom.)	Colour rendering index (CRI)	LLMF at end of nominal lifetime (nom.)	Luminous efficacy (rated) (nom.)
20274500	MASTERColour CDM-Rm Elite Mini 20W/830 GX10 MR16 10D	10 degree(s)	84	70 %	49 lm/W
20301800	MASTERColour CDM-Rm Elite Mini 20W/830 GX10 MR16 25D	25 degree(s)	84	70 %	50 lm/W
20303200	MASTERColour CDM-Rm Elite Mini 20W/830 GX10 MR16 40D	40 degree(s)	84	70 %	50 lm/W
16296400	MASTERColour CDM-Rm Elite Mini 35W/930 GX10 MR16 10D	10 degree(s)	90	80 %	60 lm/W
16300800	MASTERColour CDM-Rm Elite Mini 35W/930 GX10 MR16 25D	25 degree(s)	90	80 %	60 lm/W
16306000	MASTERColour CDM-Rm Elite Mini 35W/930 GX10 MR16 40D	40 degree(s)	90	80 %	61 lm/W

Light Technical (2/2)

Order Code	Full Product Name	Luminous Flux	Luminous intensity (nom.)
20274500	MASTERColour CDM-Rm Elite Mini 20W/830 GX10 MR16 10D	880 lm	14,500 cd
20301800	MASTERColour CDM-Rm Elite Mini 20W/830 GX10 MR16 25D	900 lm	4,000 cd
20303200	MASTERColour CDM-Rm Elite Mini 20W/830 GX10 MR16 40D	860 lm	1,750 cd

Order Code	Full Product Name	Luminous Flux	Luminous intensity (nom.)
16296400	MASTERColour CDM-Rm Elite Mini 35W/930 GX10 MR16 10D	2,100 lm	17,500 cd
16300800	MASTERColour CDM-Rm Elite Mini 35W/930 GX10 MR16 25D	2,150 lm	7,600 cd
16306000	MASTERColour CDM-Rm Elite Mini 35W/930 GX10 MR16 40D	2,150 lm	3,600 cd

Operating and Electrical

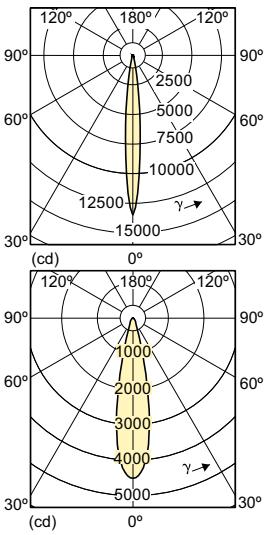
MASTERColour CDM-Rm Elite Mini

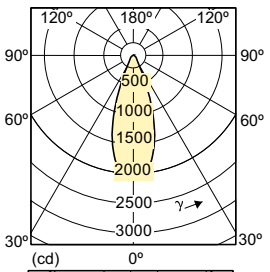
Order Code	Full Product Name	Voltage (nom.)	Power Consumption
20274500	MASTERColour CDM-Rm Elite Mini 20W/830 GX10 MR16 10D	95 V	20.1 W
20301800	MASTERColour CDM-Rm Elite Mini 20W/830 GX10 MR16 25D	95 V	20.1 W
20303200	MASTERColour CDM-Rm Elite Mini 20W/830 GX10 MR16 40D	95 V	20.1 W

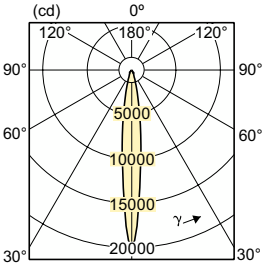
Order Code	Full Product Name	Voltage (nom.)	Power Consumption
16296400	MASTERColour CDM-Rm Elite Mini 35W/930 GX10 MR16 10D	87 V	39.1 W
16300800	MASTERColour CDM-Rm Elite Mini 35W/930 GX10 MR16 25D	87 V	39.1 W
16306000	MASTERColour CDM-Rm Elite Mini 35W/930 GX10 MR16 40D	87 V	39.1 W

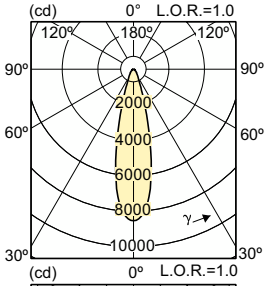
Approval and Application

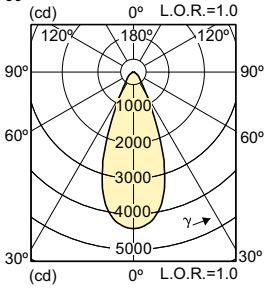
Order Code	Full Product Name	Energy consumption kWh/1,000 hours	Mercury (Hg) content (max.)	Mercury (Hg) content (nom.)
20274500	MASTERColour CDM-Rm Elite Mini 20W/830 GX10 MR16 10D	21 kWh	3.5 mg	3.5 mg
20301800	MASTERColour CDM-Rm Elite Mini 20W/830 GX10 MR16 25D	21 kWh	3.5 mg	3.5 mg
20303200	MASTERColour CDM-Rm Elite Mini 20W/830 GX10 MR16 40D	21 kWh	3.5 mg	3.5 mg
16296400	MASTERColour CDM-Rm Elite Mini 35W/930 GX10 MR16 10D	40 kWh	4.7 mg	4.7 mg
16300800	MASTERColour CDM-Rm Elite Mini 35W/930 GX10 MR16 25D	40 kWh	4.7 mg	4.7 mg
16306000	MASTERColour CDM-Rm Elite Mini 35W/930 GX10 MR16 40D	40 kWh	4.7 mg	4.7 mg



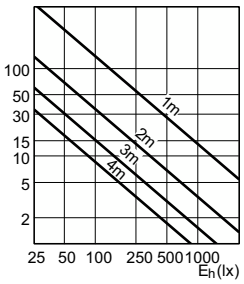




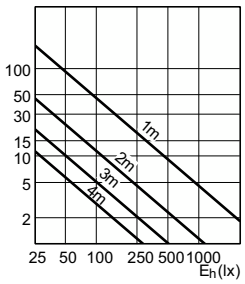




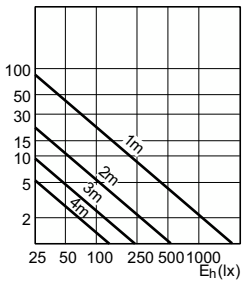
Accent Diagrams



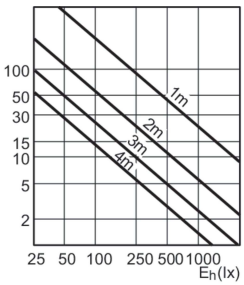
Accent Diagram - CDM-Rm Elite Mini 20W/830 GX10 MR16 10D



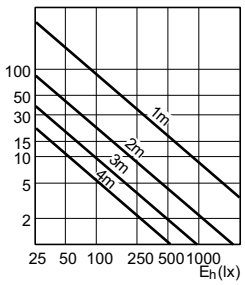
Accent Diagram - CDM-Rm Elite Mini 20W/830 GX10 MR16 25D



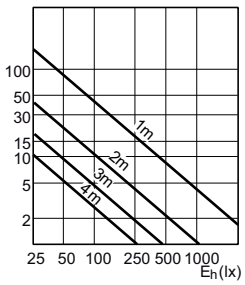
Accent Diagram - CDM-Rm Elite Mini 20W/830 GX10 MR16 40D



Accent Diagram - CDM-Rm Elite Mini 35W/930 GX10 MR16 10D

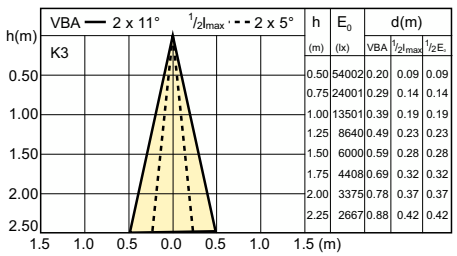


Accent Diagram - CDM-Rm Elite Mini 35W/930 GX10 MR16 25D



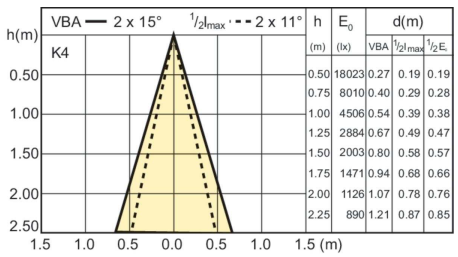
Accent Diagram - CDM-Rm Elite Mini 35W/930 GX10 MR16 40D

Beam Diagrams



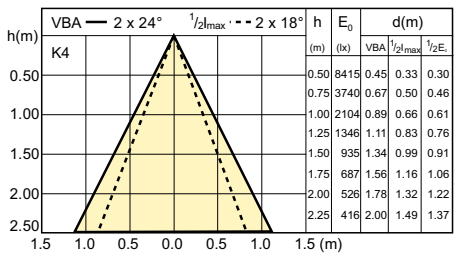
h (m)	E_0 (lx)	d(m) VBA	d(m) ½Imax	d(m) ½E_r
0.50	54002	0.20	0.09	0.09
0.75	24001	0.29	0.14	0.14
1.00	13501	0.39	0.19	0.19
1.25	8640	0.49	0.23	0.23
1.50	6000	0.59	0.28	0.28
1.75	4408	0.69	0.32	0.32
2.00	3375	0.78	0.37	0.37
2.25	2667	0.88	0.42	0.42

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



h (m)	E_0 (lx)	d(m) VBA	d(m) ½Imax	d(m) ½E_r
0.50	18023	0.27	0.19	0.19
0.75	8010	0.40	0.29	0.28
1.00	4506	0.54	0.39	0.38
1.25	2884	0.67	0.49	0.47
1.50	2003	0.80	0.58	0.57
1.75	1471	0.94	0.68	0.66
2.00	1126	1.07	0.78	0.76
2.25	890	1.21	0.87	0.85

Beam diagram - CDM-Rm Elite Mini 20W/830 GX10 MR16 25D

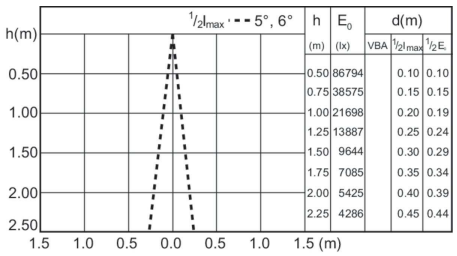


h (m)	E_0 (lx)	d(m) VBA	d(m) ½Imax	d(m) ½E_r
0.50	8415	0.45	0.33	0.30
0.75	3740	0.67	0.50	0.46
1.00	2104	0.89	0.66	0.61
1.25	1346	1.11	0.83	0.76
1.50	935	1.34	0.99	0.91
1.75	687	1.56	1.16	1.06
2.00	526	1.78	1.32	1.22
2.25	416	2.00	1.49	1.37

Beam diagram - CDM-Rm Elite Mini 20W/830 GX10 MR16 40D

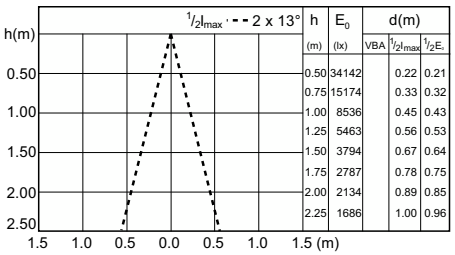
MASTERColour CDM-Rm Elite Mini

Beam Diagrams



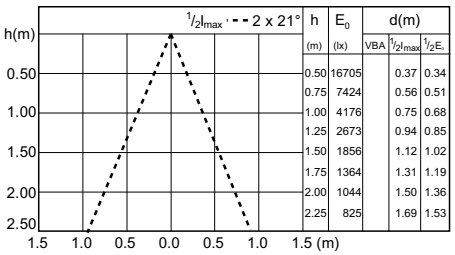
h (m)	E_0 (lx)	d(m) VBA	d(m) ½Imax	d(m) ½E0
0.50	86794		0.10	0.10
0.75	38575		0.15	0.15
1.00	21698		0.20	0.19
1.25	13887		0.25	0.24
1.50	9644		0.30	0.29
1.75	7085		0.35	0.34
2.00	5425		0.40	0.39
2.25	4286		0.45	0.44

Beam diagram - CDM-Rm Elite Mini 35W/930 GX10 MR16 10D



h (m)	E_0 (lx)	d(m) VBA	d(m) ½Imax	d(m) ½E0
0.50	34142		0.22	0.21
0.75	15174		0.33	0.32
1.00	8536		0.45	0.43
1.25	5463		0.56	0.53
1.50	3794		0.67	0.64
1.75	2787		0.78	0.75
2.00	2134		0.89	0.85
2.25	1686		1.00	0.96

Beam diagram - CDM-Rm Elite Mini 35W/930 GX10 MR16 25D



h (m)	E_0 (lx)	d(m) VBA	d(m) ½Imax	d(m) ½E0
0.50	16705		0.37	0.34
0.75	7424		0.56	0.51
1.00	4176		0.75	0.68
1.25	2673		0.94	0.85
1.50	1856		1.12	1.02
1.75	1364		1.31	1.19
2.00	1044		1.50	1.36
2.25	825		1.69	1.53

Beam diagram - CDM-Rm Elite Mini 35W/930 GX10 MR16 40D

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