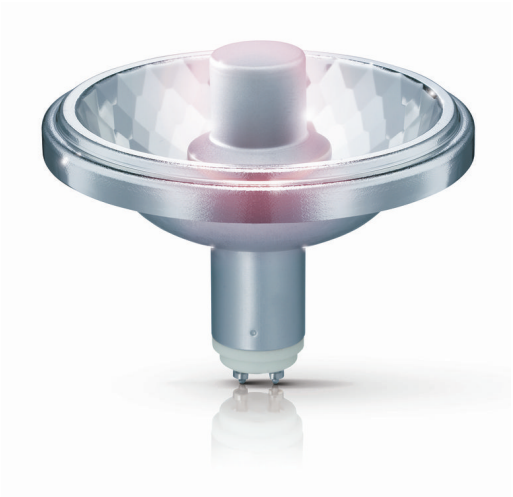
PHILIPS

Lighting



Perfect sparkle, trendy design

MASTERColour CDM-R111 Elite

MASTERColour CDM-R111 Elite combines the trendy look of 111 mm aluminum-reflector halogen lamps with the long life, high energy efficiency and crisp white light of MASTERColour CDM.

Benefits

- Crisp white sparkling light
- Easy installation
- Less glare, comfort for shoppers and staff

Features

- High lamp efficacy
- Long lamp lifetime compared to incandescent and halogen lamps
- The ceramic discharge tube is optimally positioned and stable in the reflector
- UV-block burner capsule
- Anti-glare cap design

Application

- Accent and decorative lighting: display lighting with sparkling, theatrical effects, even in surroundings with very high background ambient light levels, such as shops windows
- General lighting: in downlighters, a warm and comfortable atmosphere can be created

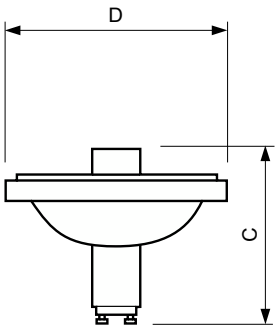
Warnings and Safety

- Control gear must include end-of-life protection (IEC61167, IEC 62035)
- Use only with electronic control gear. 35W/930 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.

MASTERColour CDM-R111 Elite

Versions

Dimensional drawing



Product	D (max)	C (max)
MASTERC CDM-R111 Elite 35W/930 GX8.5 10D	111 mm	95 mm
MASTERC CDM-R111 Elite 35W/930 GX8.5 24D	111 mm	95 mm
MASTERC CDM-R111 Elite 35W/930 GX8.5 40D	111 mm	95 mm
MASTERC CDM-R111 Elite 70W/930 GX8.5 10D	111 mm	95 mm
MASTERC CDM-R111 Elite 70W/930 GX8.5 24D	111 mm	95 mm
MASTERC CDM-R111 Elite 70W/930 GX8.5 40D	111 mm	95 mm

General Information	
Cap-Base	GX8.5
Switching Cycle	1,050
Operating Position	UNIVERSAL
Light Technical	
Chromaticity Coordinate X (Nom)	0.434
Chromaticity Coordinate Y (Nom)	0.398
Color Designation	Warm White (WW)
Correlated Color Temperature (Nom)	3000 K
LLMF At End Of Nominal Lifetime (Nom)	70 %
Operating and Electrical	
Warm-up time to 60% light	120 s
Voltage (Nom)	89 V
Controls and Dimming	
Dimmable	No
Mechanical and Housing	
Bulb Finish	Reflector
Bulb Shape	R111

Light Technical (1/2)

Order Code	Full Product Name	Beam Angle (Nom)	Color rendering index (CRI)	Luminous Efficacy (rated) (Nom)	Luminous Flux
68918800	MASTERColour CDM-R111 Elite CDM-R111 Elite 35W/930 GX8.5 10D	10 degree(s)	90	37 lm/W	1,350 lm
68944700	MASTERColour CDM-R111 Elite CDM-R111 Elite 35W/930 GX8.5 24D	24 degree(s)	90	46 lm/W	1,750 lm
68952200	MASTERColour CDM-R111 Elite CDM-R111 Elite 35W/930 GX8.5 40D	40 degree(s)	90	46 lm/W	1,750 lm
68962100	MASTERColour CDM-R111 Elite CDM-R111 Elite 70W/930 GX8.5 10D	10 degree(s)	92	40 lm/W	2,805 lm
68970600	MASTERColour CDM-R111 Elite CDM-R111 Elite 70W/930 GX8.5 24D	24 degree(s)	92	50 lm/W	3,550 lm
68978200	MASTERColour CDM-R111 Elite CDM-R111 Elite 70W/930 GX8.5 40D	40 degree(s)	92	50 lm/W	3,550 lm

Light Technical (2/2)

MASTERColour CDM-R111 Elite

Order Code	Full Product Name	Luminous Intensity (Nom)
68918800	MASTERColour CDM-R111 Elite CDM-R111 Elite 35W/930 GX8.5 10D	36,000 cd
68944700	MASTERColour CDM-R111 Elite CDM-R111 Elite 35W/930 GX8.5 24D	8,500 cd
68952200	MASTERColour CDM-R111 Elite CDM-R111 Elite 35W/930 GX8.5 40D	4,500 cd

Order Code	Full Product Name	Luminous Intensity (Nom)
68962100	MASTERColour CDM-R111 Elite CDM-R111 Elite 70W/930 GX8.5 10D	45,000 cd
68970600	MASTERColour CDM-R111 Elite CDM-R111 Elite 70W/930 GX8.5 24D	16,000 cd
68978200	MASTERColour CDM-R111 Elite CDM-R111 Elite 70W/930 GX8.5 40D	8,500 cd

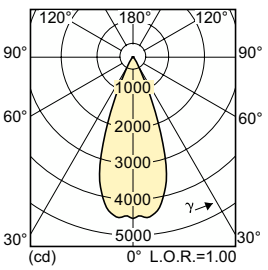
Operating and Electrical

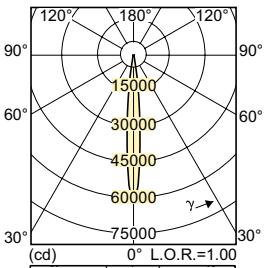
Order Code	Full Product Name	Power Consumption
68918800	MASTERColour CDM-R111 Elite CDM-R111 Elite 35W/930 GX8.5 10D	39.1 W
68944700	MASTERColour CDM-R111 Elite CDM-R111 Elite 35W/930 GX8.5 24D	39.1 W
68952200	MASTERColour CDM-R111 Elite CDM-R111 Elite 35W/930 GX8.5 40D	39.1 W

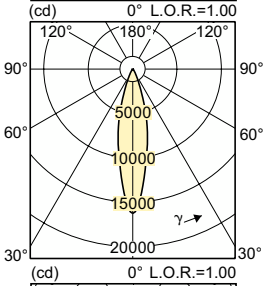
Order Code	Full Product Name	Power Consumption
68962100	MASTERColour CDM-R111 Elite CDM-R111 Elite 70W/930 GX8.5 10D	73.2 W
68970600	MASTERColour CDM-R111 Elite CDM-R111 Elite 70W/930 GX8.5 24D	73.2 W
68978200	MASTERColour CDM-R111 Elite CDM-R111 Elite 70W/930 GX8.5 40D	73.2 W

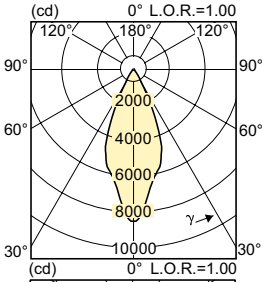
Approval and Application

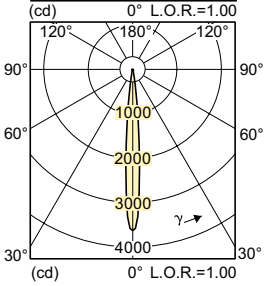
Order Code	Full Product Name	Energy Consumption kWh/1000 h	Mercury (Hg) Content (Max)	Mercury (Hg) Content (Nom)
68918800	MASTERColour CDM-R111 Elite CDM-R111 Elite 35W/930 GX8.5 10D	40 kWh	4.7 mg	4.7 mg
68944700	MASTERColour CDM-R111 Elite CDM-R111 Elite 35W/930 GX8.5 24D	40 kWh	4.7 mg	4.7 mg
68952200	MASTERColour CDM-R111 Elite CDM-R111 Elite 35W/930 GX8.5 40D	40 kWh	4.7 mg	4.7 mg
68962100	MASTERColour CDM-R111 Elite CDM-R111 Elite 70W/930 GX8.5 10D	74 kWh	6.6 mg	6.6 mg
68970600	MASTERColour CDM-R111 Elite CDM-R111 Elite 70W/930 GX8.5 24D	74 kWh	6.6 mg	6.6 mg
68978200	MASTERColour CDM-R111 Elite CDM-R111 Elite 70W/930 GX8.5 40D	74 kWh	6.6 mg	6.6 mg

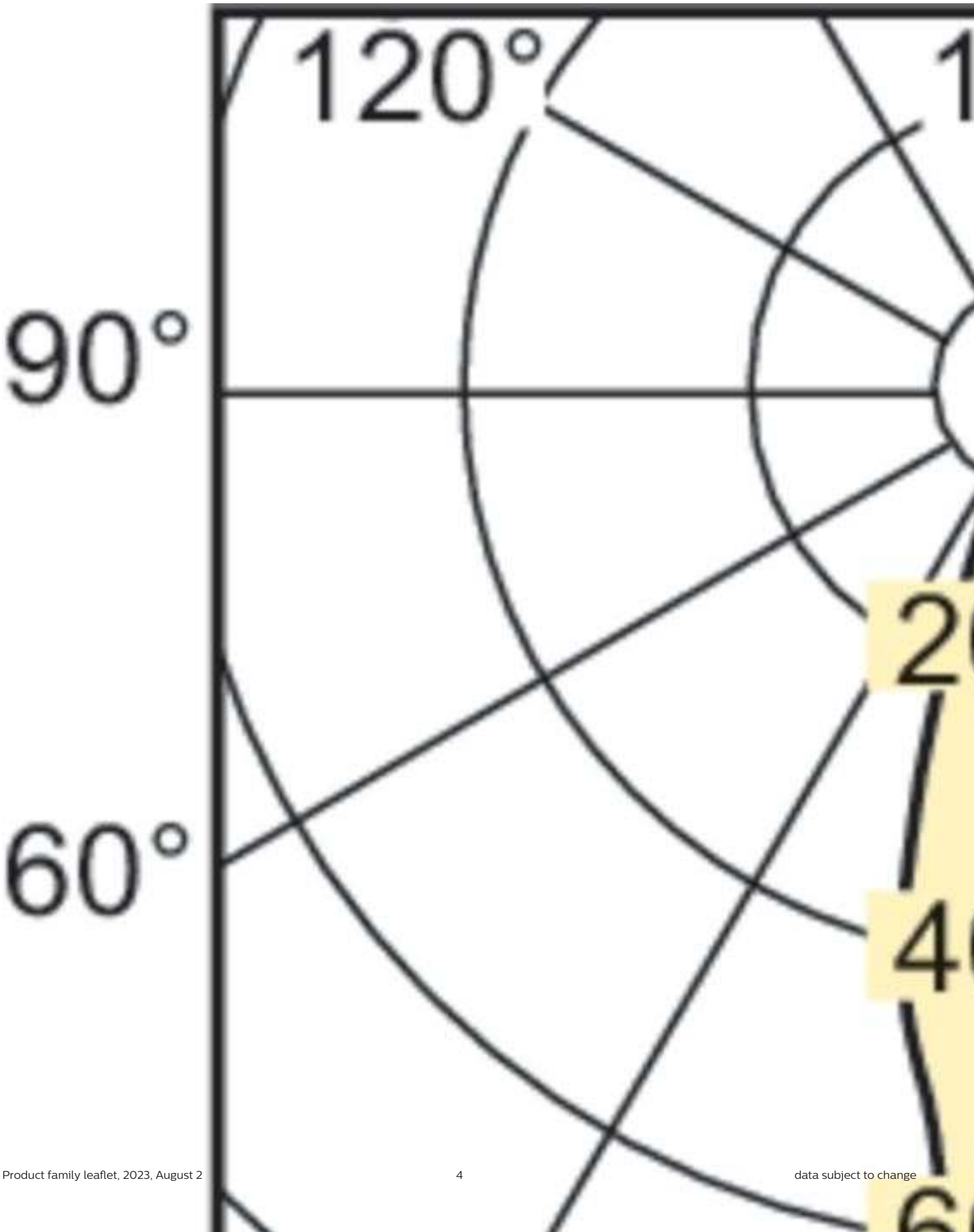






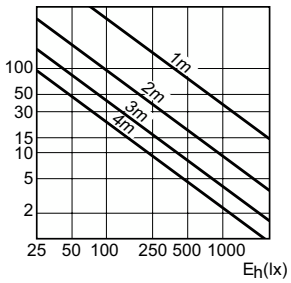




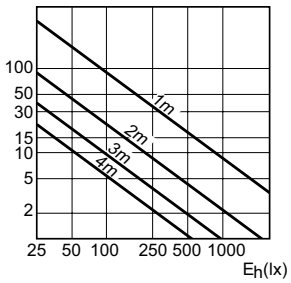

120°
90°
60°

MASTERColour CDM-R111 Elite

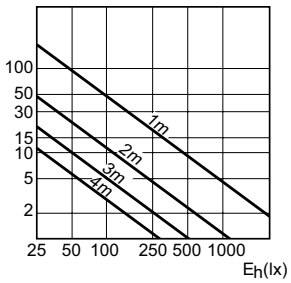
Accent Diagrams



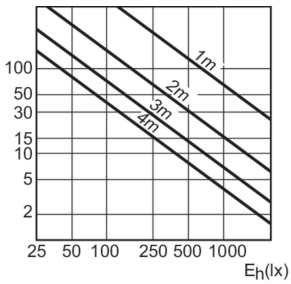
Accent Diagram - MASTERC CDM-R111 Elite
35W/930 GX8.5 10D



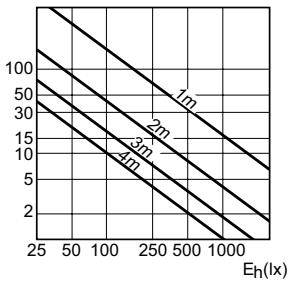
Accent Diagram - MASTERC CDM-R111 Elite
35W/930 GX8.5 24D



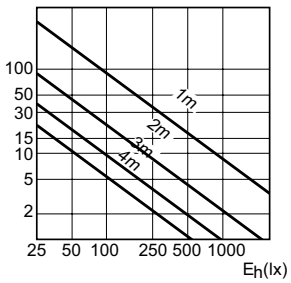
Accent Diagram - MASTERC CDM-R111 Elite
35W/930 GX8.5 40D



Accent Diagram - MASTERC CDM-R111 Elite
70W/930 GX8.5 10D

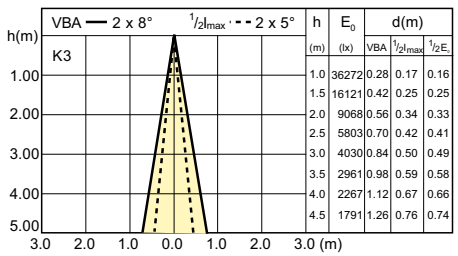


Accent Diagram - MASTERC CDM-R111 Elite
70W/930 GX8.5 24D



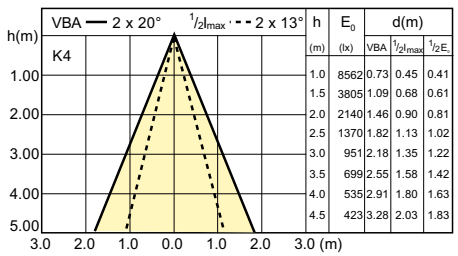
Accent Diagram - MASTERC CDM-R111 Elite
70W/930 GX8.5 40D

Beam Diagrams



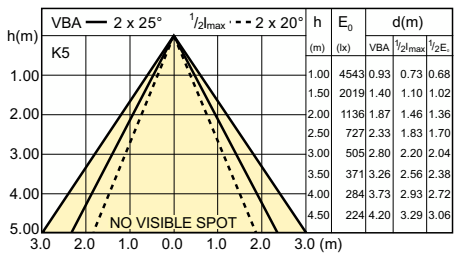
h (m)	E_0 (lx)	d(m) VBA	d(m) ½Imax	d(m) ½E_0
1.0	36272	0.28	0.17	0.16
1.5	16121	0.42	0.25	0.25
2.0	9068	0.56	0.34	0.33
2.5	5803	0.70	0.42	0.41
3.0	4030	0.84	0.50	0.49
3.5	2961	0.98	0.59	0.58
4.0	2267	1.12	0.67	0.66
4.5	1791	1.26	0.76	0.74

Beam diagram - MASTERC CDM-R111 Elite
35W/930 GX8.5 10D



h (m)	E_0 (lx)	d(m) VBA	d(m) ½Imax	d(m) ½E_0
1.0	8562	0.73	0.45	0.41
1.5	3805	1.09	0.68	0.61
2.0	2140	1.46	0.90	0.81
2.5	1370	1.82	1.13	1.02
3.0	951	2.18	1.35	1.22
3.5	699	2.55	1.58	1.42
4.0	535	2.91	1.80	1.63
4.5	423	3.28	2.03	1.83

Beam diagram - MASTERC CDM-R111 Elite
35W/930 GX8.5 24D

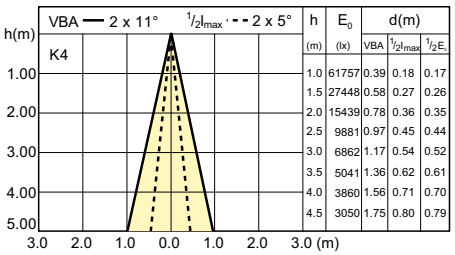


h (m)	E_0 (lx)	d(m) VBA	d(m) ½Imax	d(m) ½E_0
1.00	4543	0.93	0.73	0.68
1.50	2019	1.40	1.10	1.02
2.00	1136	1.87	1.46	1.36
2.50	727	2.33	1.83	1.70
3.00	505	2.80	2.20	2.04
3.50	371	3.26	2.56	2.38
4.00	284	3.73	2.93	2.72
4.50	224	4.20	3.29	3.06

Beam diagram - MASTERC CDM-R111 Elite
35W/930 GX8.5 40D

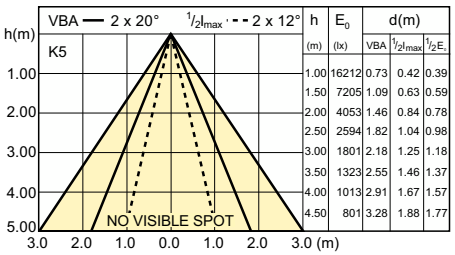
MASTERColour CDM-R111 Elite

Beam Diagrams



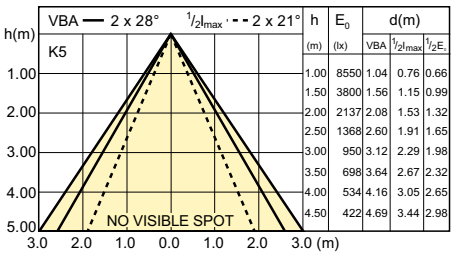
h (m)	E_0 (lx)	d(m) VBA	d(m) ½I_{max}	d(m) ½E_0
1.0	61757	0.39	0.18	0.17
1.5	27448	0.58	0.27	0.26
2.0	15439	0.78	0.36	0.35
2.5	9881	0.97	0.45	0.44
3.0	6862	1.17	0.54	0.52
3.5	5041	1.36	0.62	0.61
4.0	3860	1.56	0.71	0.70
4.5	3050	1.75	0.80	0.79

Beam diagram - MASTERC CDM-R111 Elite
70W/930 GX8.5 10D



h (m)	E_0 (lx)	d(m) VBA	d(m) ½I_{max}	d(m) ½E_0
1.00	16212	0.73	0.42	0.39
1.50	7205	1.09	0.63	0.59
2.00	4053	1.46	0.84	0.78
2.50	2594	1.82	1.04	0.98
3.00	1801	2.18	1.25	1.18
3.50	1323	2.55	1.46	1.37
4.00	1013	2.91	1.67	1.57
4.50	801	3.28	1.88	1.77

Beam diagram - MASTERC CDM-R111 Elite
70W/930 GX8.5 24D



h (m)	E_0 (lx)	d(m) VBA	d(m) ½I_{max}	d(m) ½E_0
1.00	8550	1.04	0.76	0.66
1.50	3800	1.56	1.15	0.99
2.00	2137	2.08	1.53	1.32
2.50	1368	2.60	1.91	1.65
3.00	950	3.12	2.29	1.98
3.50	698	3.64	2.67	2.32
4.00	534	4.16	3.05	2.65
4.50	422	4.69	3.44	2.98

Beam diagram - MASTERC CDM-R111 Elite
70W/930 GX8.5 40D

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