

Descripción del producto

MASTER LEDspot 230V

Las lámparas MASTER LEDspot GU10 proporcionan una luz acentuada y suave, de tipo halógeno, ideal para una iluminación puntual (focos, pasillos, rellanos de ascensor, expositores, vitrinas). Especialmente indicado para áreas públicas como vestíbulos, pasillos y huecos de escalera, donde la luz siempre está encendida. Las lámparas MASTER LEDspot GU10 suponen un gran ahorro energético y minimizan el coste de mantenimiento sin afectar al brillo. Permiten recuperar su inversión en tan solo un año. Estas lámparas son compatibles con la mayoría de las luminarias existentes gracias a su portalámparas GU10 y están diseñadas para la sustitución directa de las lámparas halógenas de 35 y 50W.

Beneficios

- Un 85% de ahorro energético
- Recuperación de la inversión en un año

Características

- Compatible con una gran variedad de reguladores
- Duración de entre 25.000 a 45.000 horas
- Difusión del haz claramente definida
- Luz sin radiación UV ni IR, genera menos calor y protege los objetos sensibles al calor

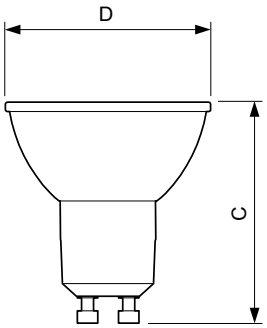
Aplicaciones

- Hoteles, restaurantes, bares, cafeterías
- Vestíbulos, pasillos, huecos de escalera

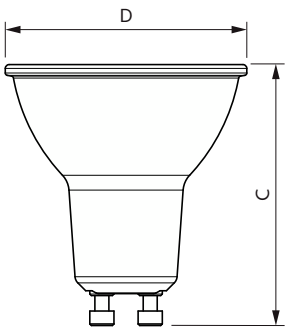
Advertencias y seguridad

- Operating temperature range is between -20° C and 45° C ambient
- Only to apply in dry or damp locations and most of open fixtures with lamp-holders that offer sufficient space (10 mm free air space)
- Not intended for use with emergency light fixtures or exit lights

Plano de dimensiones



Product	D	C
MAS LED spot VLE D 3.7-35W GU10 930 36D	50 mm	54 mm
MAS LED spot VLE D 3.7-35W GU10 940 36D	50 mm	54 mm
MAS LED spot VLE D 3.7-35W GU10 940 60D	50 mm	54 mm
MAS LED spot VLE D 4.9-50W GU10 927 60D	50 mm	54 mm
MAS LED spot VLE D 4.9-50W GU10 930 36D	50 mm	54 mm
MAS LED spot VLE D 4.9-50W GU10 930 60D	50 mm	54 mm
MAS LED spot VLE D 4.9-50W GU10 940 36D	50 mm	54 mm
MAS LED spot VLE D 4.9-50W GU10 940 60D	50 mm	54 mm
MAS LED spot VLE D 6.2-80W GU10 927 36D	50 mm	54 mm
MAS LED spot VLE D 6.2-80W GU10 930 36D	50 mm	54 mm
MAS LED spot VLE D 6.2-80W GU10 940 36D	50 mm	54 mm
MAS LED spot VLE D 6.2-80W GU10 965 36D	50 mm	54 mm
MAS LED spot VLE D 650lm GU10 930 120D	50 mm	54 mm
MAS LED spot VLE D 680lm GU10 940 120D	50 mm	54 mm
MAS LED spot VLE D 680lm GU10 965 120D	50 mm	54 mm
MAS LED spot VLE DT 4.9-50W GU10 927 36D	50 mm	54 mm
MAS LED spot VLE DT 6.2-80W GU10 927 36D	50 mm	56 mm



Product	D	C
MAS LED spot VLE D 3.7-35W GU10 927 36D	50 mm	54 mm
MAS LED spot VLE D 3.7-35W GU10 927 60D	50 mm	54 mm
MAS LED spot VLE D 3.7-35W GU10 930 60D	50 mm	54 mm
MAS LED spot VLE D 4.8-50W GU10 927 36D	50 mm	54 mm
MAS LED spot VLE DT 3.7-35W GU10 927 36D	50 mm	54 mm

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Información general	
Base del casquillo	GU10
Ciclo de encendido/apagado	50.000
Vida útil nominal	25.000 hora(s)
Datos técnicos de la luz	
Índice de reproducción cromática (IRC)	90
LLMF al fin de vida útil nominal (nom.)	70 %
Operativos y eléctricos	
Frecuencia de entrada	50 a 60 Hz
Line Frequency	50 to 60 Hz
Hora de inicio (nom.)	0,5 s
Controles y regulación	
Regulable	Solo con reguladores específicos
Mecánicos y de carcasa	
Forma de la bombilla	PAR16

Datos técnicos de la luz (1/2)

Order Code	Full Product Name	Ángulo de haz (nom.)	Temperatura de color correlacionada (Nom)	Código de color	Flujo luminoso
67541700	MASTER LED spot VLE D 6.2-80W GU10 927 36D	36 °	2700 K	927	575 lm
66271400	MASTER LED spot VLE DT 6.2-80W GU10 927 36D	36 °	2700 K	922-927	575 lm
70523700	MASTER LED spot VLE D 6.2-80W GU10 940 36D	36 °	4000 K	940	575 lm
70525100	MASTER LED spot VLE D 6.2-80W GU10 930 36D	36 °	3000 K	930	575 lm
70607400	MASTER LED spot VLE D 6.2-80W GU10 965 36D	36 °	6500 K	6500	575 lm
70609800	MASTER LED spot VLE D 650lm GU10 930 120D	120 °	3000 K	930	650 lm
70611100	MASTER LED spot VLE D 680lm GU10 940 120D	120 °	4000 K	940	680 lm
70613500	MASTER LED spot VLE D 680lm GU10 965 120D	120 °	6500 K	6500	680 lm
70775300	MASTER LED spot VLE D 3.7-35W GU10 930 36D	36 °	3000 K	930	270 lm
70777700	MASTER LED spot VLE D 3.7-35W GU10 940 36D	36 °	4000 K	940	285 lm
70783800	MASTER LED spot VLE D 3.7-35W GU10 940 60D	60 °	4000 K	940	285 lm
70787600	MASTER LED spot VLE D 4.9-50W GU10 930 36D	36 °	3000 K	930	365 lm
70789000	MASTER LED spot VLE D 4.9-50W GU10 940 36D	36 °	4000 K	940	380 lm
70791300	MASTER LED spot VLE D 4.9-50W GU10 927 60D	60 °	2700 K	927	355 lm
70793700	MASTER LED spot VLE D 4.9-50W GU10 930 60D	60 °	3000 K	930	365 lm
70795100	MASTER LED spot VLE D 4.9-50W GU10 940 60D	60 °	4000 K	940	380 lm
70811800	MASTER LED spot VLE DT 4.9-50W GU10 927 36D	36 °	2700 K	922-927	355 lm
30811400	MASTER LED spot VLE D 3.7-35W GU10 927 36D	36 °	2700 K	927	270 lm
31228900	MASTER LED spot VLE DT 3.7-35W GU10 927 36D	36 °	2200 K	922-927	270 lm
31226500	MASTER LED spot VLE D 3.7-35W GU10 927 60D	60 °	2700 K	927	270 lm
31230200	MASTER LED spot VLE D 3.7-35W GU10 930 60D	60 °	3000 K	930	270 lm
30813800	MASTER LED spot VLE D 4.8-50W GU10 927 36D	36 °	2700 K	927	355 lm

Datos técnicos de la luz (2/2)

MASTER LEDspot 230V

Order Code	Full Product Name	Intensidad luminosa (nom.)
67541700	MASTER LED spot VLE D 6.2-80W GU10 927 36D	850 cd
66271400	MASTER LED spot VLE DT 6.2-80W GU10 927 36D	950 cd
70523700	MASTER LED spot VLE D 6.2-80W GU10 940 36D	850 cd
70525100	MASTER LED spot VLE D 6.2-80W GU10 930 36D	850 cd
70607400	MASTER LED spot VLE D 6.2-80W GU10 965 36D	850 cd
70609800	MASTER LED spot VLE D 650lm GU10 930 120D	200 cd
70611100	MASTER LED spot VLE D 680lm GU10 940 120D	200 cd
70613500	MASTER LED spot VLE D 680lm GU10 965 120D	200 cd
70775300	MASTER LED spot VLE D 3.7-35W GU10 930 36D	500 cd
70777700	MASTER LED spot VLE D 3.7-35W GU10 940 36D	500 cd
70783800	MASTER LED spot VLE D 3.7-35W GU10 940 60D	350 cd

Order Code	Full Product Name	Intensidad luminosa (nom.)
70787600	MASTER LED spot VLE D 4.9-50W GU10 930 36D	650 cd
70789000	MASTER LED spot VLE D 4.9-50W GU10 940 36D	700 cd
70791300	MASTER LED spot VLE D 4.9-50W GU10 927 60D	400 cd
70793700	MASTER LED spot VLE D 4.9-50W GU10 930 60D	400 cd
70795100	MASTER LED spot VLE D 4.9-50W GU10 940 60D	400 cd
70811800	MASTER LED spot VLE DT 4.9-50W GU10 927 36D	650 cd
30811400	MASTER LED spot VLE D 3.7-35W GU10 927 36D	500 cd
31228900	MASTER LED spot VLE DT 3.7-35W GU10 927 36D	500 cd
31226500	MASTER LED spot VLE D 3.7-35W GU10 927 60D	300 cd
31230200	MASTER LED spot VLE D 3.7-35W GU10 930 60D	300 cd
30813800	MASTER LED spot VLE D 4.8-50W GU10 927 36D	650 cd

Operativos y eléctricos

Order Code	Full Product Name	Consumo de energía	Equivalente de potencia
67541700	MASTER LED spot VLE D 6.2-80W GU10 927 36D	6,2 W	80 W
66271400	MASTER LED spot VLE DT 6.2-80W GU10 927 36D	6,2 W	80 W
70523700	MASTER LED spot VLE D 6.2-80W GU10 940 36D	6,2 W	80 W
70525100	MASTER LED spot VLE D 6.2-80W GU10 930 36D	6,2 W	80 W
70607400	MASTER LED spot VLE D 6.2-80W GU10 965 36D	6,2 W	80 W
70609800	MASTER LED spot VLE D 650lm GU10 930 120D	6,2 W	-
70611100	MASTER LED spot VLE D 680lm GU10 940 120D	6,2 W	-
70613500	MASTER LED spot VLE D 680lm GU10 965 120D	6,2 W	-
70775300	MASTER LED spot VLE D 3.7-35W GU10 930 36D	3,7 W	35 W
70777700	MASTER LED spot VLE D 3.7-35W GU10 940 36D	3,7 W	35 W
70783800	MASTER LED spot VLE D 3.7-35W GU10 940 60D	3,7 W	35 W

Order Code	Full Product Name	Consumo de energía	Equivalente de potencia
70787600	MASTER LED spot VLE D 4.9-50W GU10 930 36D	4,9 W	50 W
70789000	MASTER LED spot VLE D 4.9-50W GU10 940 36D	4,9 W	50 W
70791300	MASTER LED spot VLE D 4.9-50W GU10 927 60D	4,9 W	50 W
70793700	MASTER LED spot VLE D 4.9-50W GU10 930 60D	4,9 W	50 W
70795100	MASTER LED spot VLE D 4.9-50W GU10 940 60D	4,9 W	50 W
70811800	MASTER LED spot VLE DT 4.9-50W GU10 927 36D	4,9 W	50 W
30811400	MASTER LED spot VLE D 3.7-35W GU10 927 36D	3,7 W	35 W
31228900	MASTER LED spot VLE DT 3.7-35W GU10 927 36D	3,7 W	35 W
31226500	MASTER LED spot VLE D 3.7-35W GU10 927 60D	3,7 W	35 W
31230200	MASTER LED spot VLE D 3.7-35W GU10 930 60D	3,7 W	35 W
30813800	MASTER LED spot VLE D 4.8-50W GU10 927 36D	4,8 W	50 W

Temperatura

Order Code	Full Product Name	Temperatura máxima (nom.)
67541700	MASTER LED spot VLE D 6.2-80W GU10 927 36D	80 °C
66271400	MASTER LED spot VLE DT 6.2-80W GU10 927 36D	75 °C
70523700	MASTER LED spot VLE D 6.2-80W GU10 940 36D	80 °C
70525100	MASTER LED spot VLE D 6.2-80W GU10 930 36D	80 °C
70607400	MASTER LED spot VLE D 6.2-80W GU10 965 36D	80 °C
70609800	MASTER LED spot VLE D 650lm GU10 930 120D	80 °C
70611100	MASTER LED spot VLE D 680lm GU10 940 120D	80 °C

Order Code	Full Product Name	Temperatura máxima (nom.)
70613500	MASTER LED spot VLE D 680lm GU10 965 120D	80 °C
70775300	MASTER LED spot VLE D 3.7-35W GU10 930 36D	80 °C
70777700	MASTER LED spot VLE D 3.7-35W GU10 940 36D	80 °C
70783800	MASTER LED spot VLE D 3.7-35W GU10 940 60D	80 °C
70787600	MASTER LED spot VLE D 4.9-50W GU10 930 36D	80 °C
70789000	MASTER LED spot VLE D 4.9-50W GU10 940 36D	80 °C
70791300	MASTER LED spot VLE D 4.9-50W GU10 927 60D	80 °C

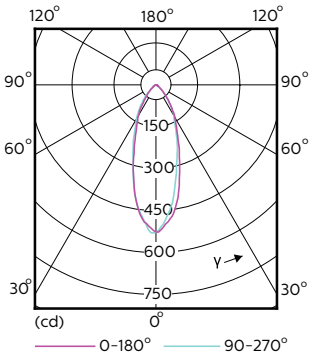
MASTER LEDspot 230V

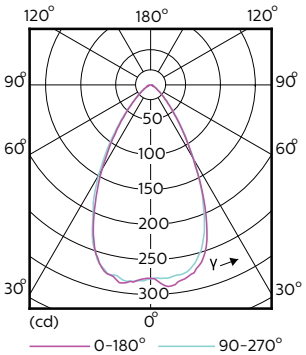
Order Code	Full Product Name	Temperatura máxima (nom.)
70793700	MASTER LED spot VLE D 4.9-50W GU10 930 60D	80 °C
70795100	MASTER LED spot VLE D 4.9-50W GU10 940 60D	80 °C
70811800	MASTER LED spot VLE DT 4.9-50W GU10 927 36D	80 °C
30811400	MASTER LED spot VLE D 3.7-35W GU10 927 36D	70 °C

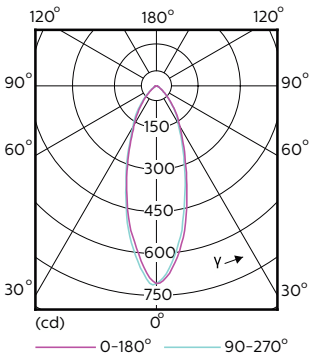
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31228900	MASTER LED spot VLE DT 3.7-35W GU10 927 36D	70 °C
31226500	MASTER LED spot VLE D 3.7-35W GU10 927 60D	70 °C
31230200	MASTER LED spot VLE D 3.7-35W GU10 930 60D	70 °C
30813800	MASTER LED spot VLE D 4.8-50W GU10 927 36D	80 °C

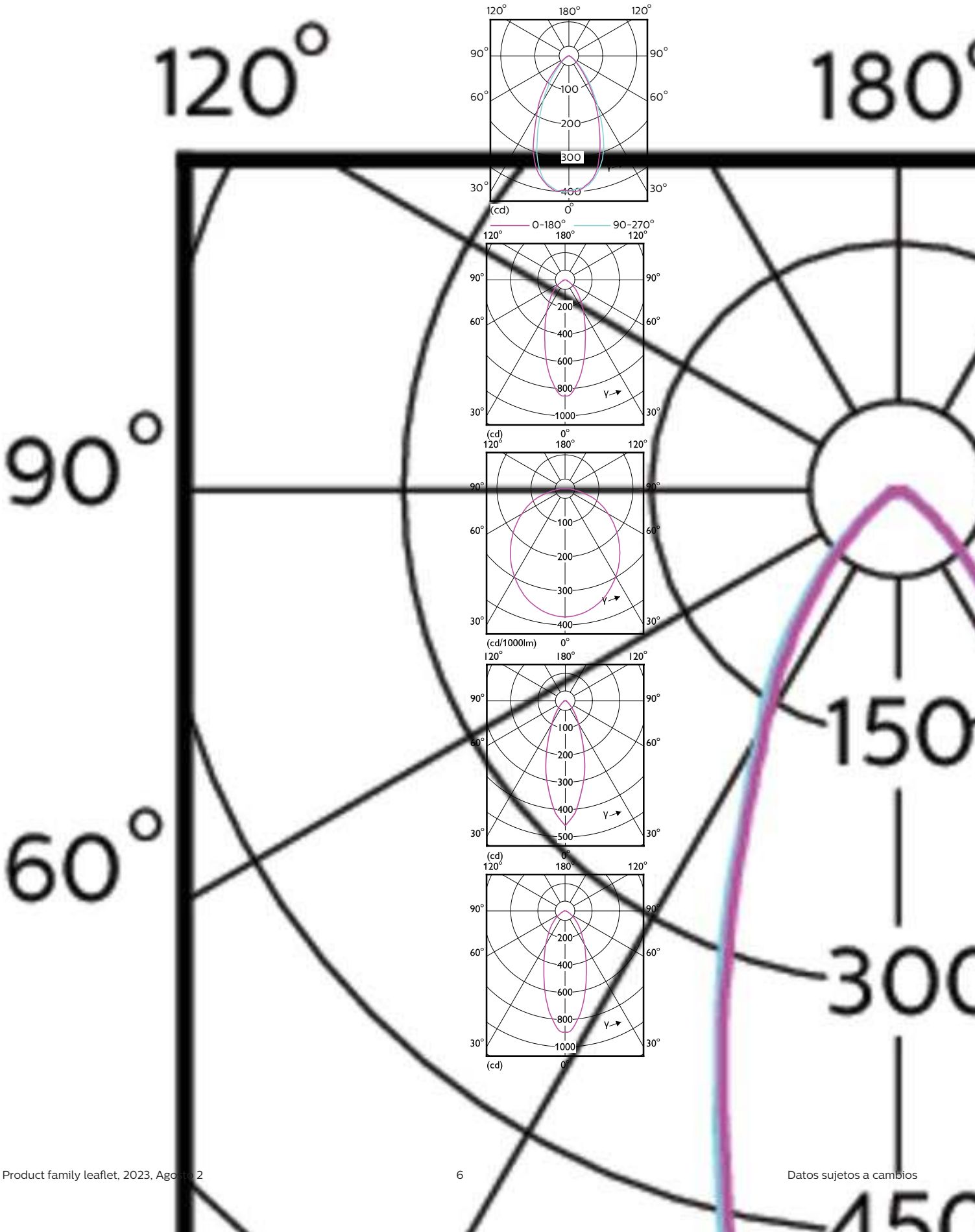
Aprobación y aplicación

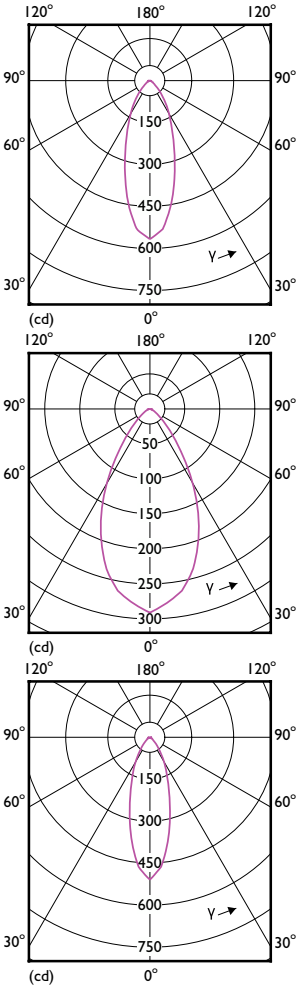
Order Code	Full Product Name	Consumo energético kWh/1000 h
67541700	MASTER LED spot VLE D 6.2-80W GU10 927 36D	7 kWh
66271400	MASTER LED spot VLE DT 6.2-80W GU10 927 36D	7 kWh
70523700	MASTER LED spot VLE D 6.2-80W GU10 940 36D	7 kWh
70525100	MASTER LED spot VLE D 6.2-80W GU10 930 36D	7 kWh
70607400	MASTER LED spot VLE D 6.2-80W GU10 965 36D	7 kWh
70609800	MASTER LED spot VLE D 650lm GU10 930 120D	7 kWh
70611100	MASTER LED spot VLE D 680lm GU10 940 120D	7 kWh
70613500	MASTER LED spot VLE D 680lm GU10 965 120D	7 kWh
70775300	MASTER LED spot VLE D 3.7-35W GU10 930 36D	4 kWh
70777700	MASTER LED spot VLE D 3.7-35W GU10 940 36D	4 kWh
70783800	MASTER LED spot VLE D 3.7-35W GU10 940 60D	4 kWh
70787600	MASTER LED spot VLE D 4.9-50W GU10 930 36D	5 kWh
70789000	MASTER LED spot VLE D 4.9-50W GU10 940 36D	5 kWh
70791300	MASTER LED spot VLE D 4.9-50W GU10 927 60D	5 kWh
70793700	MASTER LED spot VLE D 4.9-50W GU10 930 60D	5 kWh
70795100	MASTER LED spot VLE D 4.9-50W GU10 940 60D	5 kWh
70811800	MASTER LED spot VLE DT 4.9-50W GU10 927 36D	5 kWh
30811400	MASTER LED spot VLE D 3.7-35W GU10 927 36D	4 kWh
31228900	MASTER LED spot VLE DT 3.7-35W GU10 927 36D	4 kWh
31226500	MASTER LED spot VLE D 3.7-35W GU10 927 60D	4 kWh
31230200	MASTER LED spot VLE D 3.7-35W GU10 930 60D	4 kWh
30813800	MASTER LED spot VLE D 4.8-50W GU10 927 36D	5 kWh

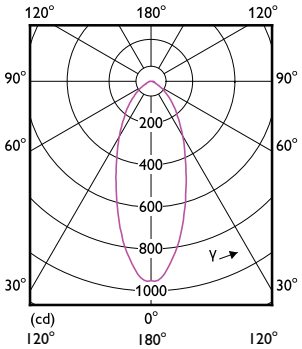


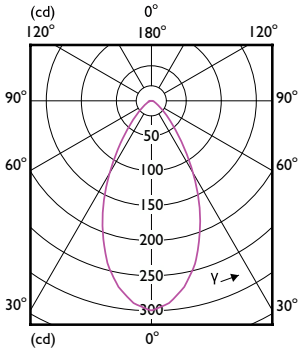




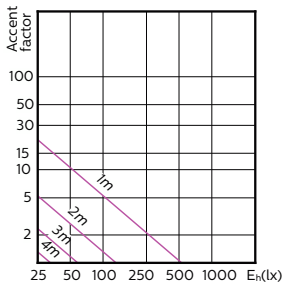

120°
180°
90°
60°
150
300
450
120° 180° 120°
90° 90°
60° 60°
30° 30°
100
200
300
400
(cd)
0°
0-180°
90-270°
200
400
600
800
1000
(cd/1000lm)
500



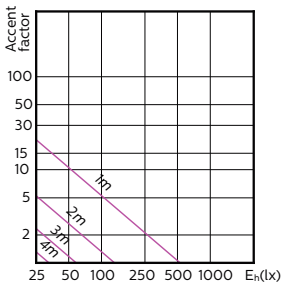




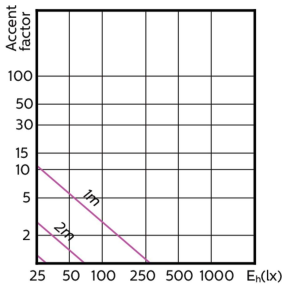
Accent Diagrams



Accent Diagram - MAS LED spot VLE DT 4.9-50W GU10 927 36D

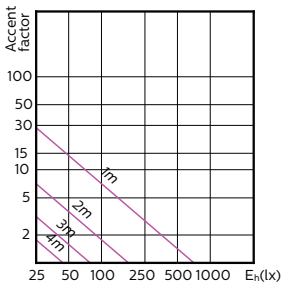


Accent Diagram - MAS LED spot VLE D 3.7-35W GU10 940 36D

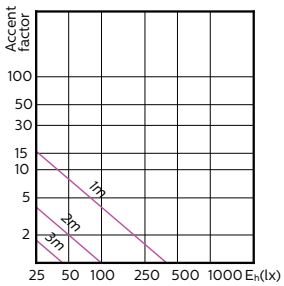


Accent Diagram - MAS LED spot VLE D 3.7-35W GU10 940 60D

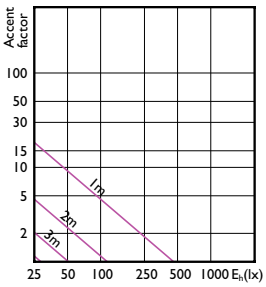
Accent Diagrams



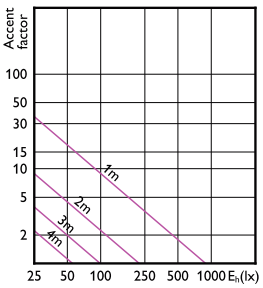
Accent Diagram - MAS LED spot VLE D
4.9-50W GU10 930 36D



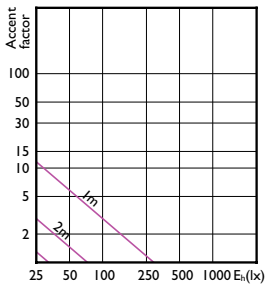
Accent Diagram - MAS LED spot VLE D
4.9-50W GU10 927 60D



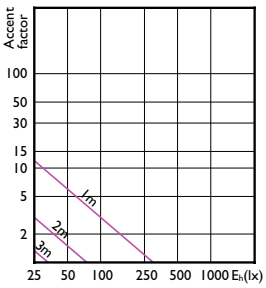
Accent Diagram - MAS LED spot VLE DT
3.7-35W GU10 927 36D



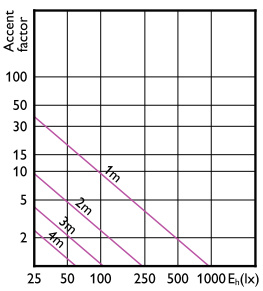
Accent Diagram - MAS LED spot VLE D 6.2-80W
GU10 940 36D



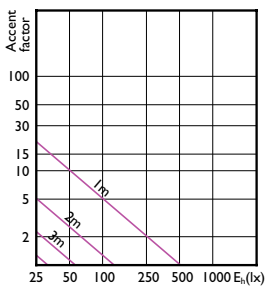
Accent Diagram - MAS LED spot VLE D 3.7-35W
GU10 927 60D



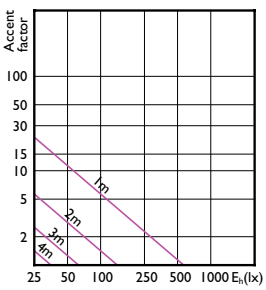
Accent Diagram - MAS LED spot VLE D 3.7-35W
GU10 930 60D



Accent Diagram - MAS LED spot VLE DT
6.2-80W GU10 927 36D

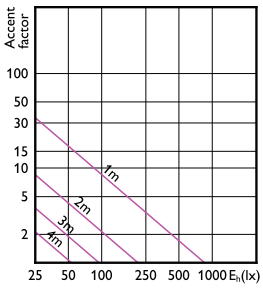


Accent Diagram - MAS LED spot VLE D 3.7-35W
GU10 927 36D



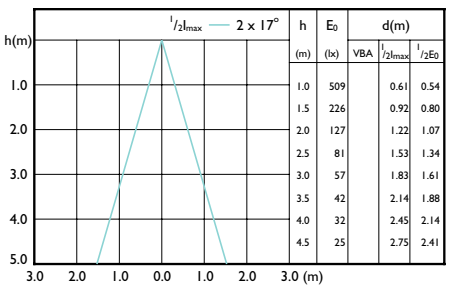
Accent Diagram - MAS LED spot VLE D 4.8-50W
GU10 927 36D

Accent Diagrams



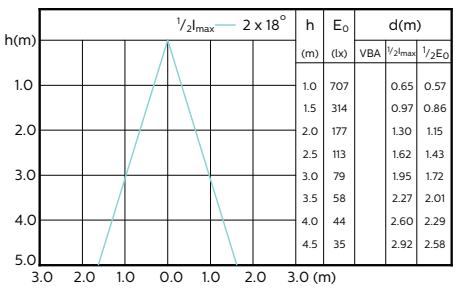
Accent Diagram - MAS LED spot VLE D 6.2-80W GU10 927 36D

Beam Diagrams



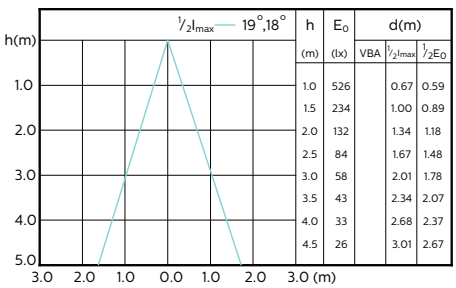
h (m)	E_0 (lx)	d(m) VBA	d(m) ½I_{max}	d(m) ½E_0
1.0	509		0.61	0.54
1.5	226		0.92	0.80
2.0	127		1.22	1.07
2.5	81		1.53	1.34
3.0	57		1.83	1.61
3.5	42		2.14	1.88
4.0	32		2.45	2.14
4.5	25		2.75	2.41

Beam diagram - MAS LED spot VLE D 3.7-35W GU10 927 36D



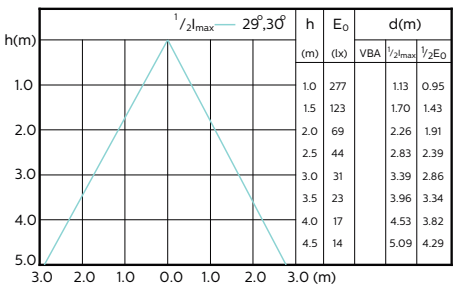
h (m)	E_0 (lx)	d(m) VBA	d(m) ½I_{max}	d(m) ½E_0
1.0	707		0.65	0.57
1.5	314		0.97	0.86
2.0	177		1.30	1.15
2.5	113		1.62	1.43
3.0	79		1.95	1.72
3.5	58		2.27	2.01
4.0	44		2.60	2.29
4.5	35		2.92	2.58

Beam diagram - MAS LED spot VLE DT 4.9-50W GU10 927 36D



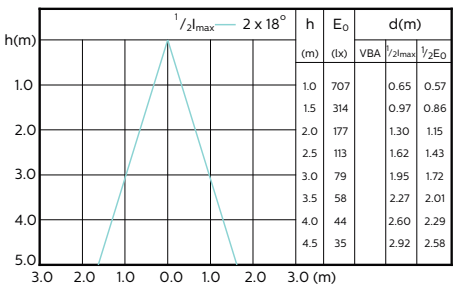
h (m)	E_0 (lx)	d(m) VBA	d(m) ½I_{max}	d(m) ½E_0
1.0	526		0.67	0.59
1.5	234		1.00	0.89
2.0	132		1.34	1.18
2.5	84		1.67	1.48
3.0	58		2.01	1.78
3.5	43		2.34	2.07
4.0	33		2.68	2.37
4.5	26		3.01	2.67

Beam diagram - MAS LED spot VLE D 3.7-35W GU10 940 36D



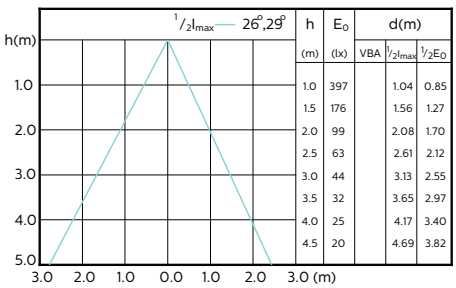
h (m)	E_0 (lx)	d(m) VBA	d(m) ½I_{max}	d(m) ½E_0
1.0	277		1.13	0.95
1.5	123		1.70	1.43
2.0	69		2.26	1.91
2.5	44		2.83	2.39
3.0	31		3.39	2.86
3.5	23		3.96	3.34
4.0	17		4.53	3.82
4.5	14		5.09	4.29

Beam diagram - MAS LED spot VLE D 3.7-35W GU10 940 60D



h (m)	E_0 (lx)	d(m) VBA	d(m) ½I_{max}	d(m) ½E_0
1.0	707		0.65	0.57
1.5	314		0.97	0.86
2.0	177		1.30	1.15
2.5	113		1.62	1.43
3.0	79		1.95	1.72
3.5	58		2.27	2.01
4.0	44		2.60	2.29
4.5	35		2.92	2.58

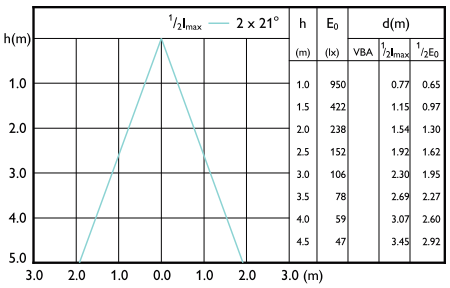
Beam diagram - MAS LED spot VLE D 4.9-50W GU10 930 36D



h (m)	E_0 (lx)	d(m) VBA	d(m) ½I_{max}	d(m) ½E_0
1.0	397		1.04	0.85
1.5	176		1.56	1.27
2.0	99		2.08	1.70
2.5	63		2.61	2.12
3.0	44		3.13	2.55
3.5	32		3.65	2.97
4.0	25		4.17	3.40
4.5	20		4.69	3.82

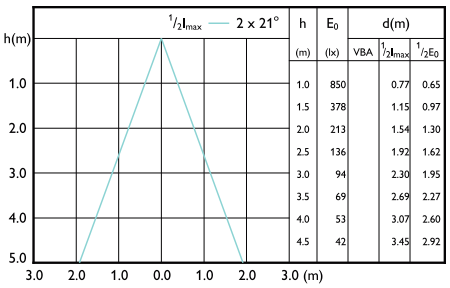
Beam diagram - MAS LED spot VLE D 4.9-50W GU10 927 60D

Beam Diagrams



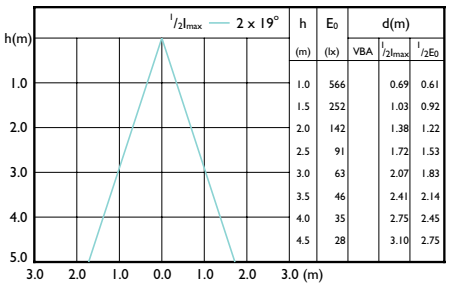
h (m)	E0 (lx)	d(m) VBA	½Imax	½E0
1.0	950		0.77	0.65
1.5	422		1.15	0.97
2.0	238		1.54	1.30
2.5	152		1.92	1.62
3.0	106		2.30	1.95
3.5	78		2.69	2.27
4.0	59		3.07	2.60
4.5	47		3.45	2.92

Beam diagram - MAS LED spot VLE DT 6.2-80W GU10 927 36D



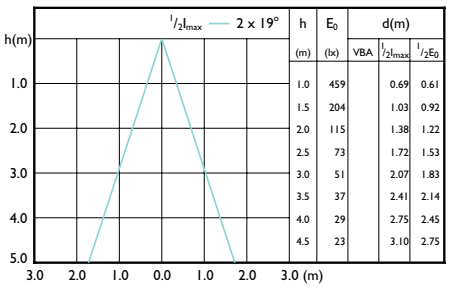
h (m)	E0 (lx)	d(m) VBA	½Imax	½E0
1.0	850		0.77	0.65
1.5	378		1.15	0.97
2.0	213		1.54	1.30
2.5	136		1.92	1.62
3.0	94		2.30	1.95
3.5	69		2.69	2.27
4.0	53		3.07	2.60
4.5	42		3.45	2.92

Beam diagram - MAS LED spot VLE D 6.2-80W GU10 927 36D



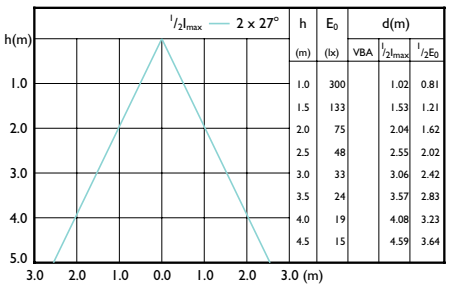
h (m)	E0 (lx)	d(m) VBA	½Imax	½E0
1.0	566		0.69	0.61
1.5	252		1.03	0.92
2.0	142		1.38	1.22
2.5	91		1.72	1.53
3.0	63		2.07	1.83
3.5	46		2.41	2.14
4.0	35		2.75	2.45
4.5	28		3.10	2.75

Beam diagram - MAS LED spot VLE D 4.8-50W GU10 927 36D



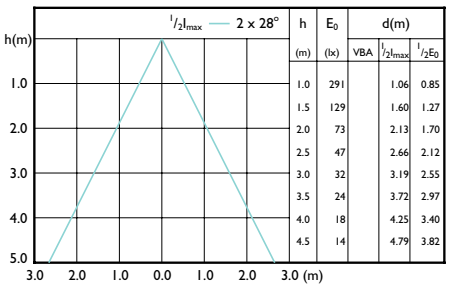
h (m)	E0 (lx)	d(m) VBA	½Imax	½E0
1.0	459		0.69	0.61
1.5	204		1.03	0.92
2.0	115		1.38	1.22
2.5	73		1.72	1.53
3.0	51		2.07	1.83
3.5	37		2.41	2.14
4.0	29		2.75	2.45
4.5	23		3.10	2.75

Beam diagram - MAS LED spot VLE DT 3.7-35W GU10 927 36D



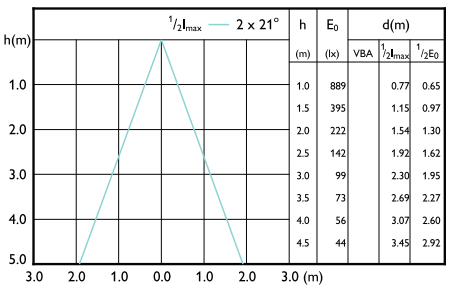
h (m)	E0 (lx)	d(m) VBA	½Imax	½E0
1.0	300		1.02	0.81
1.5	133		1.53	1.21
2.0	75		2.04	1.62
2.5	48		2.55	2.02
3.0	33		3.06	2.42
3.5	24		3.57	2.83
4.0	19		4.08	3.23
4.5	15		4.59	3.64

Beam diagram - MAS LED spot VLE D 3.7-35W GU10 930 60D



h (m)	E0 (lx)	d(m) VBA	½Imax	½E0
1.0	291		1.06	0.85
1.5	129		1.60	1.27
2.0	73		2.13	1.70
2.5	47		2.66	2.12
3.0	32		3.19	2.55
3.5	24		3.72	2.97
4.0	18		4.25	3.40
4.5	14		4.79	3.82

Beam diagram - MAS LED spot VLE D 3.7-35W GU10 927 60D



h (m)	E0 (lx)	d(m) VBA	½Imax	½E0
1.0	889		0.77	0.65
1.5	395		1.15	0.97
2.0	222		1.54	1.30
2.5	142		1.92	1.62
3.0	99		2.30	1.95
3.5	73		2.69	2.27
4.0	56		3.07	2.60
4.5	44		3.45	2.92

Beam diagram - MAS LED spot VLE D 6.2-80W GU10 940 36D

MASTER LEDspot 230V



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