PHILIPS

Lighting

Cree un ambiente cálido y acogedor con iluminación de calidad superior

Foco MASTER LED ExpertColor AR111

MASTER LEDspot LV ExpertColor crea un ambiente cálido y confortable para establecimientos de hostelería, hogares y restaurantes. Este ambiente se crea con iluminación superior con un espectro personalizado, alto ICR y función de regulación profunda. ¿El resultado? Una hermosa experiencia de iluminación. Además, el diseño innovador de la lente, sin embellecedor, se adapta a casi cualquier decoración interior con su aspecto limpio y elegante. También permite aprovechar al máximo la familia ExpertColor completa, que incluye, además, lámparas LEDspot MV y LEDspot Par.

Beneficios

- Cree un ambiente cálido y confortable
- Solución de recambio sin complicaciones para mejorar la eficiencia energética y la sostenibilidad
- La decoración interior, los muebles y los tejidos presentan un aspecto excelente

Características

- Reproduce el color de la luz halógena
- Diseño sin embellecedor con lente en ranura en V
- La mejor reproducción de color de su clase, IRC97, R9<gt/>85
- Regulación intensa y suave con una amplia compatibilidad con transformadores
- Intercambiable con luminarias G53

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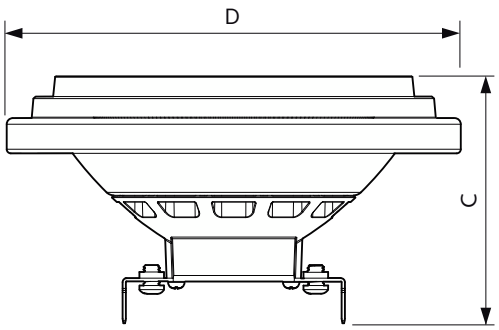
Aplicaciones

- Hostelería: habitaciones de hotel, pasillos, vestíbulo, zona de recepción, restaurantes, bares, cafés
- Hogar: salones, dormitorios, pasillos
- Comercio minorista: exposiciones, expositores, tiendas, probadores

Versions

LEDspots MAS SLR AR111 G53

Plano de dimensiones



Product	D	C
MAS ExpertColor 10.8-50W 927 AR111 24D	111 mm	61 mm
MAS ExpertColor 10.8-50W 927 AR111 40D	111 mm	61 mm
MAS ExpertColor 10.8-50W 927 AR111 9D	111 mm	61 mm
MAS ExpertColor 10.8-50W 930 AR111 24D	111 mm	61 mm
MAS ExpertColor 10.8-50W 930 AR111 40D	111 mm	61 mm
MAS ExpertColor 10.8-50W 930 AR111 9D	111 mm	61 mm
MAS ExpertColor 14.8-75W 927 AR111 24D	111 mm	61 mm
MAS ExpertColor 14.8-75W 927 AR111 45D	111 mm	61 mm
MAS ExpertColor 14.8-75W 930 AR111 24D	111 mm	61 mm
MAS ExpertColor 14.8-75W 930 AR111 45D	111 mm	61 mm
MAS ExpertColor 14.8-75W 940 AR111 24D	111 mm	61 mm
MAS ExpertColor 14.8-75W 940 AR111 45D	111 mm	61 mm
MAS LEDExpertColor 20-100W 927 AR111 24D	111 mm	62 mm
MAS LEDExpertColor 20-100W 927 AR111 45D	111 mm	62 mm
MAS LEDExpertColor 20-100W 930 AR111 24D	111 mm	62 mm
MAS LEDExpertColor 20-100W 930 AR111 45D	111 mm	62 mm
MAS LEDExpertColor 20-100W 940 AR111 24D	111 mm	62 mm
MAS LEDExpertColor 20-100W 940 AR111 45D	111 mm	62 mm

Foco MASTER LED ExpertColor AR111

Información general	
Base del casquillo	G53
Ciclo de encendido/apagado	50.000
Vida útil nominal	40.000 hora(s)
Datos técnicos de la luz	
Índice de reproducción cromática (IRC)	95
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	
Acabado de la bombilla	Transparente
Forma de la bombilla	AR111

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
33379600	MAS ExpertColor 14.8-75W 927 AR111 24D	24 °	2700 K	927	875 lm
33381900	MAS ExpertColor 14.8-75W 927 AR111 45D	45 °	2700 K	927	875 lm
33383300	MAS ExpertColor 14.8-75W 930 AR111 24D	24 °	3000 K	930	875 lm
33385700	MAS ExpertColor 14.8-75W 930 AR111 45D	45 °	3000 K	930	875 lm
33387100	MAS ExpertColor 14.8-75W 940 AR111 24D	24 °	4000 K	940	950 lm
33389500	MAS ExpertColor 14.8-75W 940 AR111 45D	45 °	4000 K	940	950 lm
33393200	MAS ExpertColor 10.8-50W 927 AR111 24D	24 °	2700 K	927	600 lm
33395600	MAS ExpertColor 10.8-50W 927 AR111 40D	40 °	2700 K	927	600 lm
33399400	MAS ExpertColor 10.8-50W 930 AR111 24D	24 °	3000 K	930	620 lm
33401400	MAS ExpertColor 10.8-50W 930 AR111 40D	40 °	3000 K	930	620 lm
42965900	MAS LEDExpertColor 20-100W 927 AR111 24D	24 °	2700 K	927	1.270 lm
42969700	MAS LEDExpertColor 20-100W 930 AR111 24D	24 °	3000 K	930	1.270 lm
42973400	MAS LEDExpertColor 20-100W 940 AR111 24D	24 °	4000 K	940	1.270 lm
42967300	MAS LEDExpertColor 20-100W 927 AR111 45D	45 °	2700 K	927	1.270 lm
42971000	MAS LEDExpertColor 20-100W 930 AR111 45D	45 °	3000 K	930	1.270 lm
42975800	MAS LEDExpertColor 20-100W 940 AR111 45D	45 °	4000 K	940	1.270 lm
33391800	MAS ExpertColor 10.8-50W 927 AR111 9D	9 °	2700 K	927	600 lm
33397000	MAS ExpertColor 10.8-50W 930 AR111 9D	9 °	3000 K	930	620 lm

Datos técnicos de la luz (2/2)

Order Code	Full Product Name	Intensidad luminosa (nom.)
33379600	MAS ExpertColor 14.8-75W 927 AR111 24D	3.000 cd
33381900	MAS ExpertColor 14.8-75W 927 AR111 45D	1.200 cd
33383300	MAS ExpertColor 14.8-75W 930 AR111 24D	3.000 cd
33385700	MAS ExpertColor 14.8-75W 930 AR111 45D	1.300 cd
33387100	MAS ExpertColor 14.8-75W 940 AR111 24D	3.300 cd
33389500	MAS ExpertColor 14.8-75W 940 AR111 45D	1.400 cd
33393200	MAS ExpertColor 10.8-50W 927 AR111 24D	3.000 cd

Order Code	Full Product Name	Intensidad luminosa (nom.)
33395600	MAS ExpertColor 10.8-50W 927 AR111 40D	1.200 cd
33399400	MAS ExpertColor 10.8-50W 930 AR111 24D	3.200 cd
33401400	MAS ExpertColor 10.8-50W 930 AR111 40D	1.200 cd
42965900	MAS LEDExpertColor 20-100W 927 AR111 24D	4.000 cd
42969700	MAS LEDExpertColor 20-100W 930 AR111 24D	4.200 cd
42973400	MAS LEDExpertColor 20-100W 940 AR111 24D	4.400 cd
42967300	MAS LEDExpertColor 20-100W 927 AR111 45D	2.100 cd

Foco MASTER LED ExpertColor AR111

Order Code	Full Product Name	Intensidad luminosa (nom.)
42971000	MAS LEDExpertColor 20-100W 930 AR111 45D	2.200 cd
42975800	MAS LEDExpertColor 20-100W 940 AR111 45D	2.300 cd

Order Code	Full Product Name	Intensidad luminosa (nom.)
33391800	MAS ExpertColor 10.8-50W 927 AR111 9D	8.000 cd
33397000	MAS ExpertColor 10.8-50W 930 AR111 9D	8.000 cd

Operativos y eléctricos

Order Code	Full Product Name	Consumo de energía	Equivalente de potencia
33379600	MAS ExpertColor 14.8-75W 927 AR111 24D	14,8 W	75 W
33381900	MAS ExpertColor 14.8-75W 927 AR111 45D	14,8 W	75 W
33383300	MAS ExpertColor 14.8-75W 930 AR111 24D	14,8 W	75 W
33385700	MAS ExpertColor 14.8-75W 930 AR111 45D	14,8 W	75 W
33387100	MAS ExpertColor 14.8-75W 940 AR111 24D	14,8 W	75 W
33389500	MAS ExpertColor 14.8-75W 940 AR111 45D	14,8 W	75 W
33393200	MAS ExpertColor 10.8-50W 927 AR111 24D	10,8 W	50 W
33395600	MAS ExpertColor 10.8-50W 927 AR111 40D	10,8 W	50 W
33399400	MAS ExpertColor 10.8-50W 930 AR111 24D	10,8 W	50 W

Order Code	Full Product Name	Consumo de energía	Equivalente de potencia
33401400	MAS ExpertColor 10.8-50W 930 AR111 40D	10,8 W	50 W
42965900	MAS LEDExpertColor 20-100W 927 AR111 24D	20 W	100 W
42969700	MAS LEDExpertColor 20-100W 930 AR111 24D	20 W	100 W
42973400	MAS LEDExpertColor 20-100W 940 AR111 24D	20 W	100 W
42967300	MAS LEDExpertColor 20-100W 927 AR111 45D	20 W	100 W
42971000	MAS LEDExpertColor 20-100W 930 AR111 45D	20 W	100 W
42975800	MAS LEDExpertColor 20-100W 940 AR111 45D	20 W	100 W
33391800	MAS ExpertColor 10.8-50W 927 AR111 9D	10,8 W	50 W
33397000	MAS ExpertColor 10.8-50W 930 AR111 9D	10,8 W	50 W

Temperatura

Order Code	Full Product Name	Temperatura máxima (nom.)
33379600	MAS ExpertColor 14.8-75W 927 AR111 24D	85 °C
33381900	MAS ExpertColor 14.8-75W 927 AR111 45D	85 °C
33383300	MAS ExpertColor 14.8-75W 930 AR111 24D	85 °C
33385700	MAS ExpertColor 14.8-75W 930 AR111 45D	85 °C
33387100	MAS ExpertColor 14.8-75W 940 AR111 24D	85 °C
33389500	MAS ExpertColor 14.8-75W 940 AR111 45D	85 °C
33393200	MAS ExpertColor 10.8-50W 927 AR111 24D	70 °C
33395600	MAS ExpertColor 10.8-50W 927 AR111 40D	70 °C
33399400	MAS ExpertColor 10.8-50W 930 AR111 24D	70 °C

Order Code	Full Product Name	Temperatura máxima (nom.)
33401400	MAS ExpertColor 10.8-50W 930 AR111 40D	70 °C
42965900	MAS LEDExpertColor 20-100W 927 AR111 24D	77 °C
42969700	MAS LEDExpertColor 20-100W 930 AR111 24D	77 °C
42973400	MAS LEDExpertColor 20-100W 940 AR111 24D	77 °C
42967300	MAS LEDExpertColor 20-100W 927 AR111 45D	77 °C
42971000	MAS LEDExpertColor 20-100W 930 AR111 45D	77 °C
42975800	MAS LEDExpertColor 20-100W 940 AR111 45D	77 °C
33391800	MAS ExpertColor 10.8-50W 927 AR111 9D	70 °C
33397000	MAS ExpertColor 10.8-50W 930 AR111 9D	70 °C

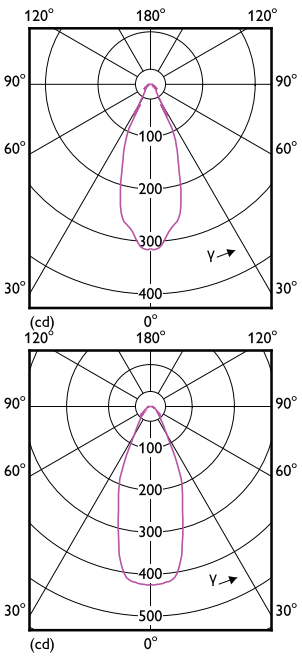
Aprobación y aplicación

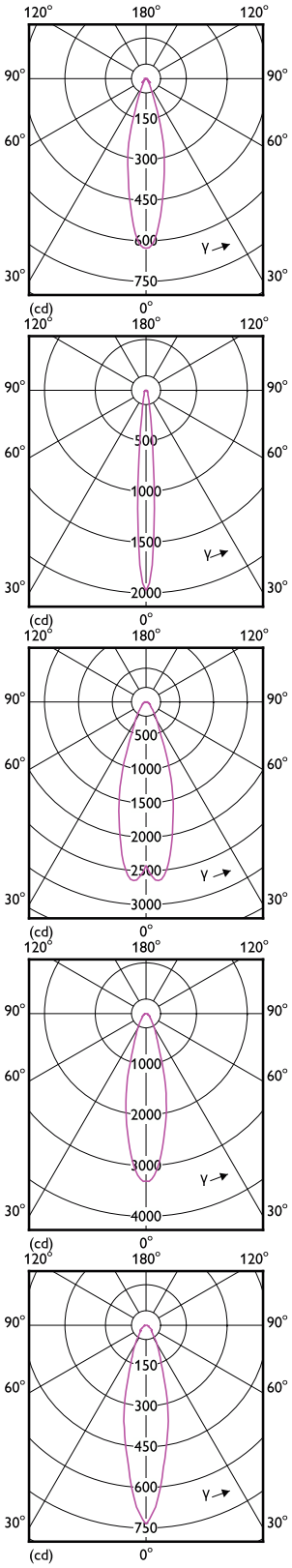
Order Code	Full Product Name	Rango de temperatura ambiente	Consumo energético kWh/1000 h
33379600	MAS ExpertColor 14.8-75W 927 AR111 24D	-20 °C a +45 °C	15 kWh
33381900	MAS ExpertColor 14.8-75W 927 AR111 45D	-20 °C a +45 °C	15 kWh

Order Code	Full Product Name	Rango de temperatura ambiente	Consumo energético kWh/1000 h
33383300	MAS ExpertColor 14.8-75W 930 AR111 24D	-20 °C a +45 °C	15 kWh
33385700	MAS ExpertColor 14.8-75W 930 AR111 45D	-20 °C a +45 °C	15 kWh

Foco MASTER LED ExpertColor AR111

Order Code	Full Product Name	Rango de temperatura ambiente	Consumo energético kWh/1000 h
33387100	MAS ExpertColor 14.8-75W 940 AR111 24D	-20 °C a +45 °C	15 kWh
33389500	MAS ExpertColor 14.8-75W 940 AR111 45D	-20 °C a +45 °C	15 kWh
33393200	MAS ExpertColor 10.8-50W 927 AR111 24D	-20 °C a +45 °C	11 kWh
33395600	MAS ExpertColor 10.8-50W 927 AR111 40D	-20 °C a +45 °C	11 kWh
33399400	MAS ExpertColor 10.8-50W 930 AR111 24D	-20 °C a +45 °C	11 kWh
33401400	MAS ExpertColor 10.8-50W 930 AR111 40D	-20 °C a +45 °C	11 kWh
42965900	MAS LEDExpertColor 20-100W 927 AR111 24D	-20 °C a 45 °C	20 kWh
42969700	MAS LEDExpertColor 20-100W 930 AR111 24D	-20 °C a 45 °C	20 kWh
42973400	MAS LEDExpertColor 20-100W 940 AR111 24D	-20 °C a 45 °C	20 kWh
42967300	MAS LEDExpertColor 20-100W 927 AR111 45D	-20 °C a 45 °C	20 kWh
42971000	MAS LEDExpertColor 20-100W 930 AR111 45D	-20 °C a 45 °C	20 kWh
42975800	MAS LEDExpertColor 20-100W 940 AR111 45D	-20 °C a 45 °C	20 kWh
33391800	MAS ExpertColor 10.8-50W 927 AR111 9D	-20 °C a +45 °C	11 kWh
33397000	MAS ExpertColor 10.8-50W 930 AR111 9D	-20 °C a +45 °C	11 kWh





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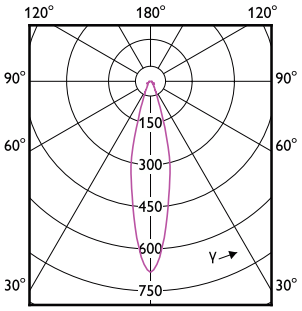

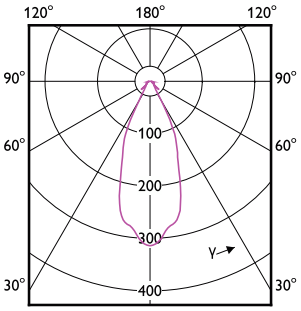

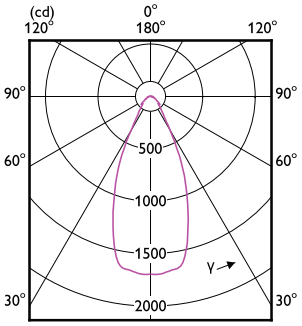

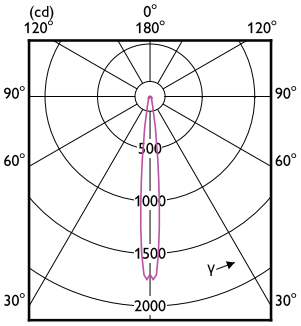

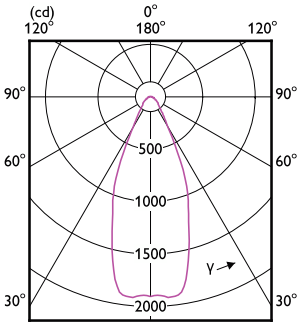

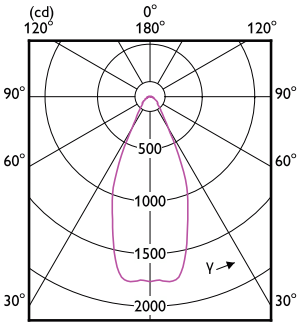

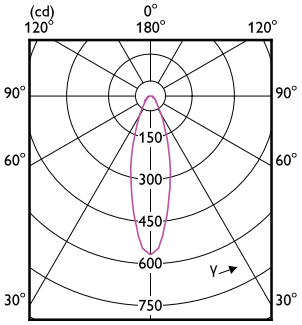

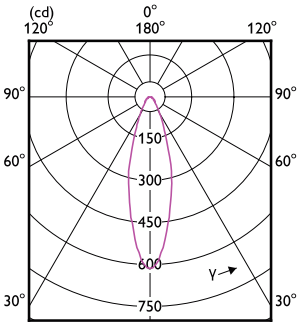

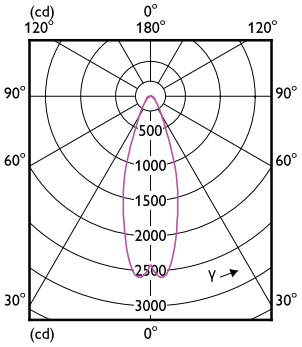

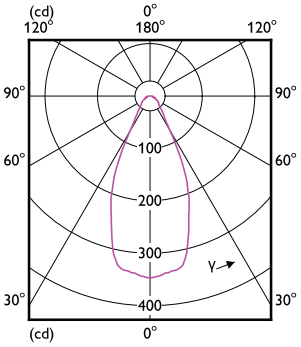

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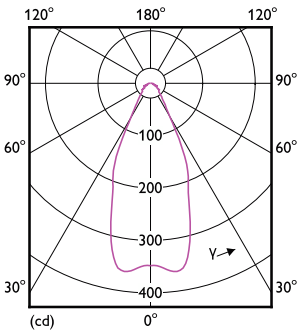
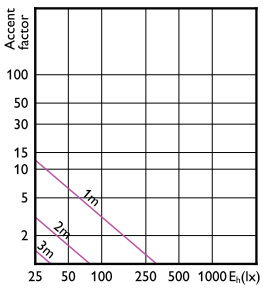
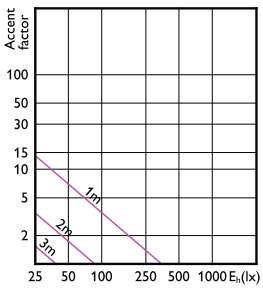


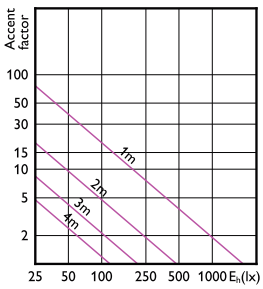
Accent Diagrams



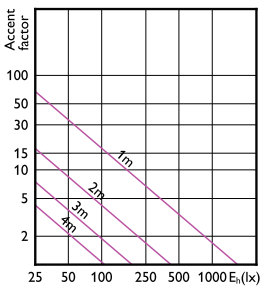
Accent Diagram - MAS ExpertColor 10.8-50W 930 AR111 40D



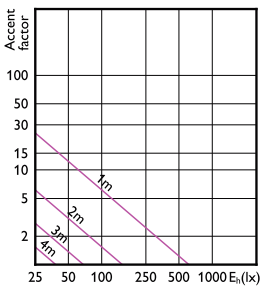
Accent Diagram - MAS ExpertColor 14.8-75W 930 AR111 45D



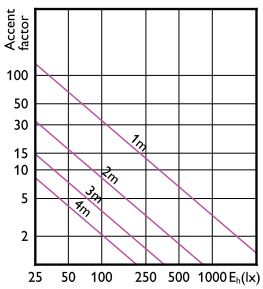
Accent Diagram - MAS LEDExpertColor 20-100W 930 AR111 45D



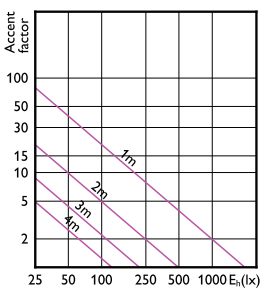
Accent Diagram - MAS LEDExpertColor 20-100W 927 AR111 45D



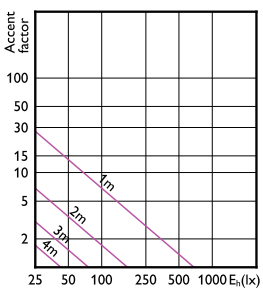
Accent Diagram - MAS ExpertColor 14.8-75W 930 AR111 24D



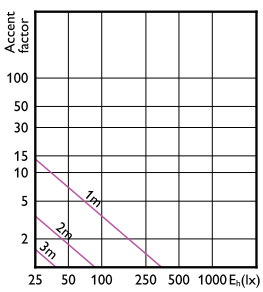
Accent Diagram - MAS LEDExpertColor 20-100W 940 AR111 24D



Accent Diagram - MAS ExpertColor 10.8-50W 930 AR111 9D



Accent Diagram - MAS ExpertColor 10.8-50W 930 AR111 24D



Accent Diagram - MAS ExpertColor 14.8-75W 927 AR111 45D

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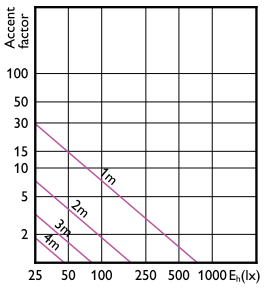
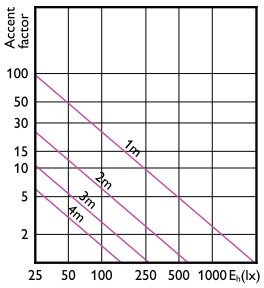
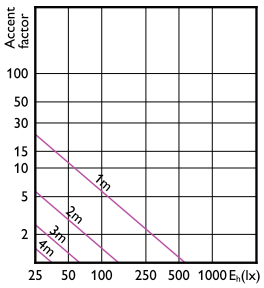
Accent Diagrams



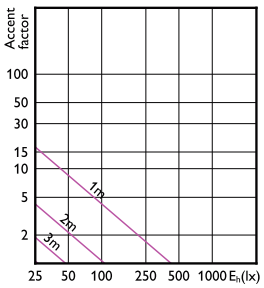
Accent Diagram - MAS ExpertColor 14.8-75W 940 AR111 24D



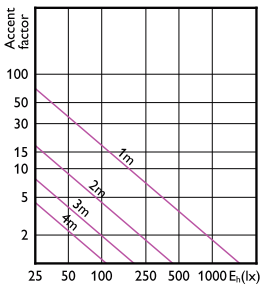
Accent Diagram - MAS LEDExpertColor 20-100W 927 AR111 24D



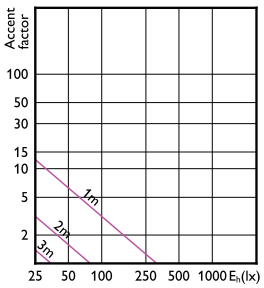
Accent Diagram - MAS ExpertColor 14.8-75W 927 AR111 24D



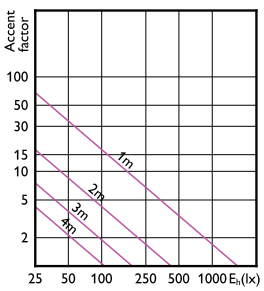
Accent Diagram - MAS ExpertColor 14.8-75W 940 AR111 45D



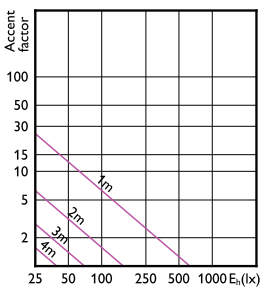
Accent Diagram - MAS LEDExpertColor 20-100W 940 AR111 45D



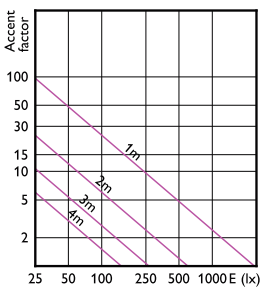
Accent Diagram - MAS ExpertColor 10.8-50W 927 AR111 40D



Accent Diagram - MAS ExpertColor 10.8-50W 927 AR111 9D



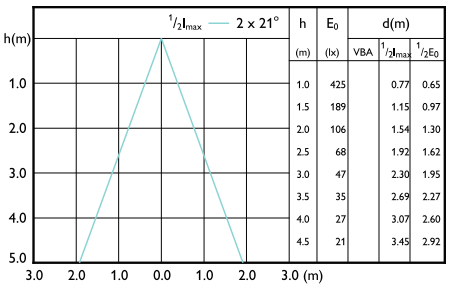
Accent Diagram - MAS ExpertColor 10.8-50W 927 AR111 24D



Accent Diagram - MAS LEDExpertColor 20-100W 930 AR111 24D

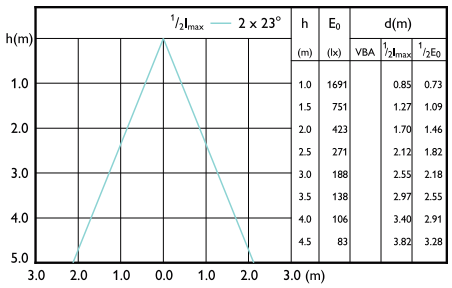
Foco MASTER LED ExpertColor AR111

Beam Diagrams



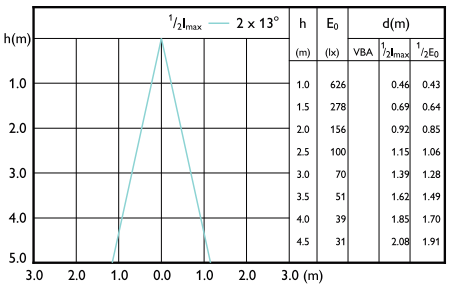
h (m)	E_0 (lx)	d(m) VBA	$^1/_2I_{max}$	$^1/_2E_0$
1.0	425		0.77	0.65
1.5	189		1.15	0.97
2.0	106		1.54	1.30
2.5	68		1.92	1.62
3.0	47		2.30	1.95
3.5	35		2.69	2.27
4.0	27		3.07	2.60
4.5	21		3.45	2.92

Beam diagram - MAS ExpertColor 14.8-75W 940 AR111 45D



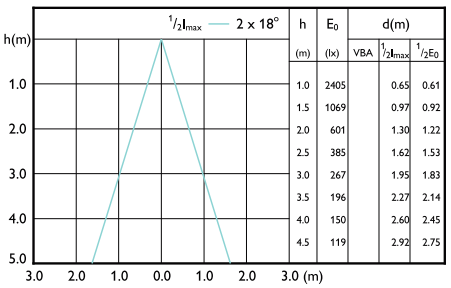
h (m)	E_0 (lx)	d(m) VBA	$^1/_2I_{max}$	$^1/_2E_0$
1.0	1691		0.85	0.73
1.5	751		1.27	1.09
2.0	423		1.70	1.46
2.5	271		2.12	1.82
3.0	188		2.55	2.18
3.5	138		2.97	2.55
4.0	106		3.40	2.91
4.5	83		3.82	3.28

Beam diagram - MAS LEDExpertColor 20-100W 927 AR111 45D



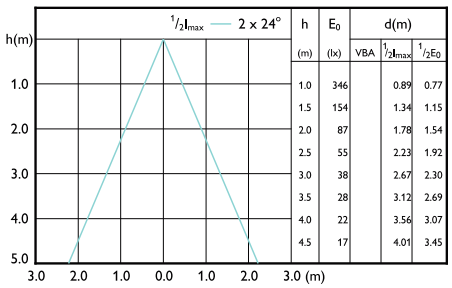
h (m)	E_0 (lx)	d(m) VBA	$^1/_2I_{max}$	$^1/_2E_0$
1.0	626		0.46	0.43
1.5	278		0.69	0.64
2.0	156		0.92	0.85
2.5	100		1.15	1.06
3.0	70		1.39	1.28
3.5	51		1.62	1.49
4.0	39		1.85	1.70
4.5	31		2.08	1.91

Beam diagram - MAS ExpertColor 10.8-50W 927 AR111 24D



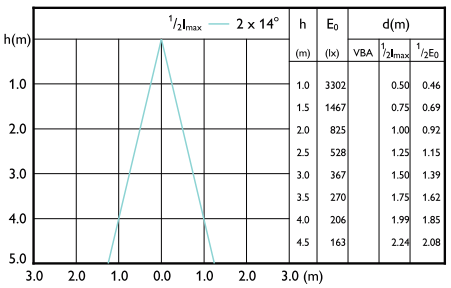
h (m)	E_0 (lx)	d(m) VBA	$^1/_2I_{max}$	$^1/_2E_0$
1.0	2405		0.65	0.61
1.5	1069		0.97	0.92
2.0	601		1.30	1.22
2.5	385		1.62	1.53
3.0	267		1.95	1.83
3.5	196		2.27	2.14
4.0	150		2.60	2.45
4.5	119		2.92	2.75

Beam diagram - MAS LEDExpertColor 20-100W 930 AR111 24D



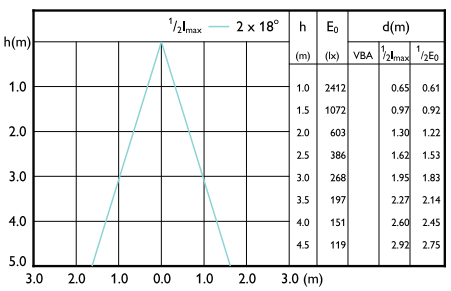
h (m)	E_0 (lx)	d(m) VBA	$^1/_2I_{max}$	$^1/_2E_0$
1.0	346		0.89	0.77
1.5	154		1.34	1.15
2.0	87		1.78	1.54
2.5	55		2.23	1.92
3.0	38		2.67	2.30
3.5	28		3.12	2.69
4.0	22		3.56	3.07
4.5	17		4.01	3.45

Beam diagram - MAS ExpertColor 14.8-75W 930 AR111 45D



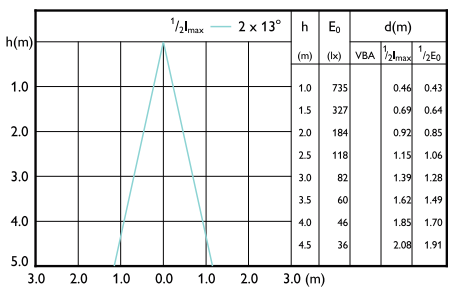
h (m)	E_0 (lx)	d(m) VBA	$^1/_2I_{max}$	$^1/_2E_0$
1.0	3302		0.50	0.46
1.5	1467		0.75	0.69
2.0	825		1.00	0.92
2.5	528		1.25	1.15
3.0	367		1.50	1.39
3.5	270		1.75	1.62
4.0	206		1.99	1.85
4.5	163		2.24	2.08

Beam diagram - MAS LEDExpertColor 20-100W 940 AR111 24D



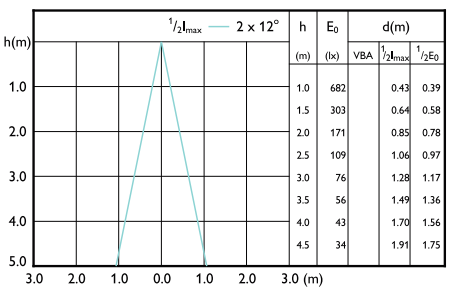
h (m)	E_0 (lx)	d(m) VBA	$^1/_2I_{max}$	$^1/_2E_0$
1.0	2412		0.65	0.61
1.5	1072		0.97	0.92
2.0	603		1.30	1.22
2.5	386		1.62	1.53
3.0	268		1.95	1.83
3.5	197		2.27	2.14
4.0	151		2.60	2.45
4.5	119		2.92	2.75

Beam diagram - MAS LEDExpertColor 20-100W 927 AR111 24D



h (m)	E_0 (lx)	d(m) VBA	$^1/_2I_{max}$	$^1/_2E_0$
1.0	735		0.46	0.43
1.5	327		0.69	0.64
2.0	184		0.92	0.85
2.5	118		1.15	1.06
3.0	82		1.39	1.28
3.5	60		1.62	1.49
4.0	46		1.85	1.70
4.5	36		2.08	1.91

Beam diagram - MAS ExpertColor 14.8-75W 940 AR111 24D

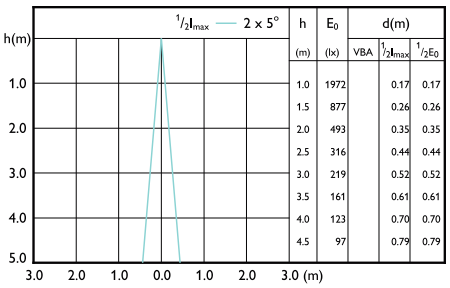


h (m)	E_0 (lx)	d(m) VBA	$^1/_2I_{max}$	$^1/_2E_0$
1.0	682		0.43	0.39
1.5	303		0.64	0.58
2.0	171		0.85	0.78
2.5	109		1.06	0.97
3.0	76		1.28	1.17
3.5	56		1.49	1.36
4.0	43		1.70	1.56
4.5	34		1.91	1.75

Beam diagram - MAS ExpertColor 10.8-50W 930 AR111 24D

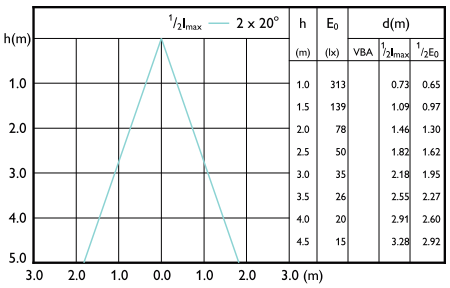
Foco MASTER LED ExpertColor AR111

Beam Diagrams



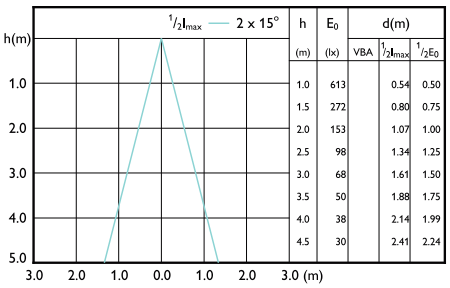
h (m)	E_0 (lx)	d(m) VBA	$\frac{1}{2}I_{max}$	$\frac{1}{2}E_0$
1.0	1972		0.17	0.17
1.5	877		0.26	0.26
2.0	493		0.35	0.35
2.5	316		0.44	0.44
3.0	219		0.52	0.52
3.5	161		0.61	0.61
4.0	123		0.70	0.70
4.5	97		0.79	0.79

Beam diagram - MAS ExpertColor 10.8-50W 930 AR111 9D



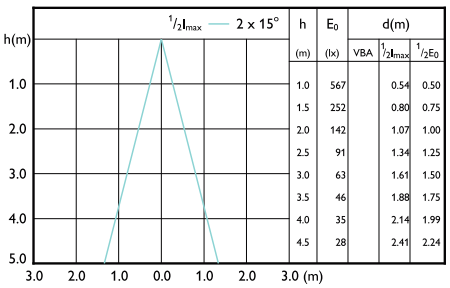
h (m)	E_0 (lx)	d(m) VBA	$\frac{1}{2}I_{max}$	$\frac{1}{2}E_0$
1.0	313		0.73	0.65
1.5	139		1.09	0.97
2.0	78		1.46	1.30
2.5	50		1.82	1.62
3.0	35		2.18	1.95
3.5	26		2.55	2.27
4.0	20		2.91	2.60
4.5	15		3.28	2.92

Beam diagram - MAS ExpertColor 10.8-50W 930 AR111 40D



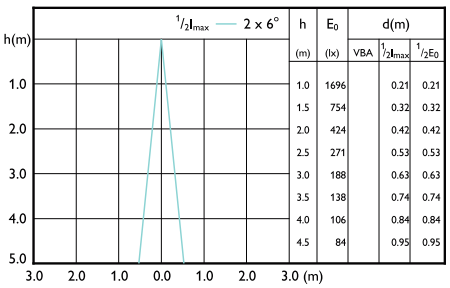
h (m)	E_0 (lx)	d(m) VBA	$\frac{1}{2}I_{max}$	$\frac{1}{2}E_0$
1.0	613		0.54	0.50
1.5	272		0.80	0.75
2.0	153		1.07	1.00
2.5	98		1.34	1.25
3.0	68		1.61	1.50
3.5	50		1.88	1.75
4.0	38		2.14	1.99
4.5	30		2.41	2.24

Beam diagram - MAS ExpertColor 14.8-75W 930 AR111 24D



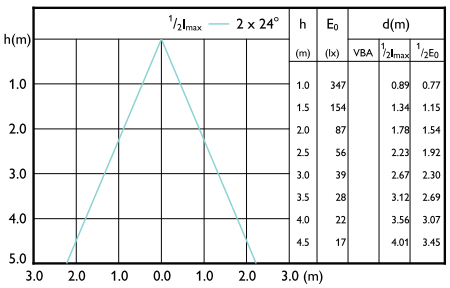
h (m)	E_0 (lx)	d(m) VBA	$\frac{1}{2}I_{max}$	$\frac{1}{2}E_0$
1.0	567		0.54	0.50
1.5	252		0.80	0.75
2.0	142		1.07	1.00
2.5	91		1.34	1.25
3.0	63		1.61	1.50
3.5	46		1.88	1.75
4.0	35		2.14	1.99
4.5	28		2.41	2.24

Beam diagram - MAS ExpertColor 14.8-75W 927 AR111 24D



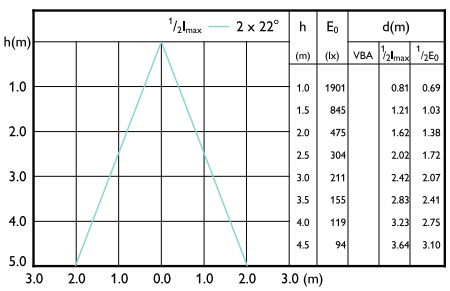
h (m)	E_0 (lx)	d(m) VBA	$\frac{1}{2}I_{max}$	$\frac{1}{2}E_0$
1.0	1696		0.21	0.21
1.5	754		0.32	0.32
2.0	424		0.42	0.42
2.5	271		0.53	0.53
3.0	188		0.63	0.63
3.5	138		0.74	0.74
4.0	106		0.84	0.84
4.5	84		0.95	0.95

Beam diagram - MAS ExpertColor 10.8-50W 927 AR111 9D



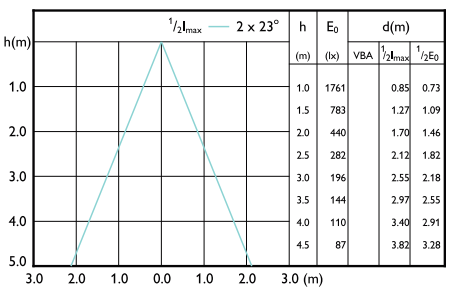
h (m)	E_0 (lx)	d(m) VBA	$\frac{1}{2}I_{max}$	$\frac{1}{2}E_0$
1.0	347		0.89	0.77
1.5	154		1.34	1.15
2.0	87		1.78	1.54
2.5	56		2.23	1.92
3.0	39		2.67	2.30
3.5	28		3.12	2.69
4.0	22		3.56	3.07
4.5	17		4.01	3.45

Beam diagram - MAS ExpertColor 14.8-75W 927 AR111 45D



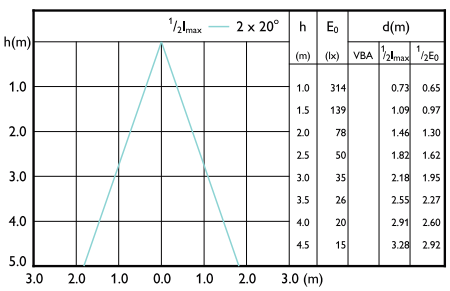
h (m)	E_0 (lx)	d(m) VBA	$\frac{1}{2}I_{max}$	$\frac{1}{2}E_0$
1.0	1901		0.81	0.69
1.5	845		1.21	1.03
2.0	475		1.62	1.38
2.5	304		2.02	1.72
3.0	211		2.42	2.07
3.5	155		2.83	2.41
4.0	119		3.23	2.75
4.5	94		3.64	3.10

Beam diagram - MAS LEDExpertColor 20-100W 930 AR111 45D



h (m)	E_0 (lx)	d(m) VBA	$\frac{1}{2}I_{max}$	$\frac{1}{2}E_0$
1.0	1761		0.85	0.73
1.5	783		1.27	1.09
2.0	440		1.70	1.46
2.5	282		2.12	1.82
3.0	196		2.55	2.18
3.5	144		2.97	2.55
4.0	110		3.40	2.91
4.5	87		3.82	3.28

Beam diagram - MAS LEDExpertColor 20-100W 940 AR111 45D



h (m)	E_0 (lx)	d(m) VBA	$\frac{1}{2}I_{max}$	$\frac{1}{2}E_0$
1.0	314		0.73	0.65
1.5	139		1.09	0.97
2.0	78		1.46	1.30
2.5	50		1.82	1.62
3.0	35		2.18	1.95
3.5	26		2.55	2.27
4.0	20		2.91	2.60
4.5	15		3.28	2.92

Beam diagram - MAS ExpertColor 10.8-50W 927 AR111 40D

Foco MASTER LED ExpertColor AR111

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