PHILIPS

Lighting

La solution LED professionnelle avec un rendu des couleurs proche de la perfection (IRC 97)

Lampes MASTER LEDspot Expert Color GU10 IRC 97 DIM

La MASTER LEDspot GU10 ExpertColor offre un éclairage exceptionnel et une restitution authentique des couleurs avec son IRC proche de la perfection (IRC 97). Développé pour la mise en valeur des objets et des espaces, ce spot d'accentuation est idéal pour les magasins, hôtels, salles d'exposition, musées, galeries d'art et restaurants. L'ExpertColor reste le choix optimal pour un usage professionnel intensif grâce à sa longue durée de vie de 40 000 H. Dimmable avec une grande finesse de gradation, vous pouvez faire varier l'intensité lumineuse pour créer l'atmosphère souhaitée tout en optimisant les coûts énergétiques.

Avantages

- Restitution des couleurs authentiques
- Mise en valeur des objets
- Finesse de gradation
- Economies d'énergie
- Installation simple et rapide

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Fonctions

- Perception des couleurs inégalée IRC97, R9>85
- Gradable
- 40 000H de durée de vie
- Interchangeables avec des lampes halogènes GU10 à tension secteur

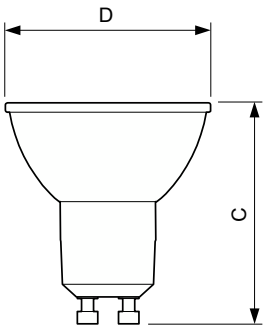
Application

- Commerces, galeries d'arts, salles d'exposition, musées, vitrines, boutiques
- Hôtel, hall d'accueil, réception, restaurants, bars, cafés
- Résidentiel

Versions

MASTER LEDspot ExpertColor MV
35W GU10 25D

Schéma dimensionnel



Product	D	C
MAS LED ExpertColor 3.9-35W GU10 927 25D	50 mm	54 mm
MAS LED ExpertColor 3.9-35W GU10 927 36D	50 mm	54 mm
MAS LED ExpertColor 3.9-35W GU10 930 25D	50 mm	54 mm
MAS LED ExpertColor 3.9-35W GU10 930 36D	50 mm	54 mm
MAS LED ExpertColor 3.9-35W GU10 940 25D	50 mm	54 mm
MAS LED ExpertColor 3.9-35W GU10 940 36D	50 mm	54 mm
MAS LED ExpertColor 5.5-50W GU10 927 25D	50 mm	54 mm
MAS LED ExpertColor 5.5-50W GU10 927 36D	50 mm	54 mm
MAS LED ExpertColor 5.5-50W GU10 930 25D	50 mm	54 mm
MAS LED ExpertColor 5.5-50W GU10 930 36D	50 mm	54 mm
MAS LED ExpertColor 5.5-50W GU10 940 25D	50 mm	54 mm
MAS LED ExpertColor 5.5-50W GU10 940 36D	50 mm	54 mm

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Informations générales	
Culot	GU10
Nombre de cycles d'allumage	50.000
Durée de vie nominale	40.000 h
Données techniques de l'éclairage	
Indice de rendu de couleur (IRC)	97
LLMF à la fin de la durée de vie nominale (nom.)	70 %
Fonctionnement et électricité	
Fréquence d'entrée	50 à 60 Hz
Fréquence linéaire	50 to 60 Hz
Heure de démarrage (nom.)	0,5 s
Température	
Température maximale du produit (nom.)	80 °C
Commandes et gradation	
Variation de l'intensité lumineuse	Uniquement avec certains variateurs
Mécanique et boîtier	
Forme de la lampe	PAR16

Données techniques de l'éclairage (1/2)

Order Code	Full Product Name	Angle du faisceau (nom.)	Température de couleur corrélée (nom.)	Code couleur	Flux lumineux
8718696707494	MAS LED ExpertColor 3.9-35W GU10 927 25D	25 degré(s)	2700 K	927	265 lm
8718696707517	MAS LED ExpertColor 3.9-35W GU10 930 25D	25 degré(s)	3000 K	930	280 lm
8718696707531	MAS LED ExpertColor 3.9-35W GU10 940 25D	25 degré(s)	4000 K	940	300 lm
8718696707555	MAS LED ExpertColor 3.9-35W GU10 927 36D	36 degré(s)	2700 K	927	265 lm
8718696707579	MAS LED ExpertColor 3.9-35W GU10 930 36D	36 degré(s)	3000 K	930	280 lm
8718696707593	MAS LED ExpertColor 3.9-35W GU10 940 36D	36 degré(s)	4000 K	940	300 lm
8718696707616	MAS LED ExpertColor 5.5-50W GU10 927 25D	25 degré(s)	2700 K	927	355 lm
8718696707630	MAS LED ExpertColor 5.5-50W GU10 930 25D	25 degré(s)	3000 K	930	375 lm
8718696707654	MAS LED ExpertColor 5.5-50W GU10 940 25D	25 degré(s)	4000 K	940	400 lm
8718696707678	MAS LED ExpertColor 5.5-50W GU10 927 36D	36 degré(s)	2700 K	927	355 lm
8718696707692	MAS LED ExpertColor 5.5-50W GU10 930 36D	36 degré(s)	3000 K	930	375 lm
8718696707715	MAS LED ExpertColor 5.5-50W GU10 940 36D	36 degré(s)	4000 K	940	400 lm

Données techniques de l'éclairage (2/2)

Order Code	Full Product Name	Intensité lumineuse (nom.)
8718696707494	MAS LED ExpertColor 3.9-35W GU10 927 25D	700 cd
8718696707517	MAS LED ExpertColor 3.9-35W GU10 930 25D	750 cd
8718696707531	MAS LED ExpertColor 3.9-35W GU10 940 25D	800 cd
8718696707555	MAS LED ExpertColor 3.9-35W GU10 927 36D	540 cd
8718696707579	MAS LED ExpertColor 3.9-35W GU10 930 36D	560 cd
8718696707593	MAS LED ExpertColor 3.9-35W GU10 940 36D	600 cd

Order Code	Full Product Name	Intensité lumineuse (nom.)
8718696707616	MAS LED ExpertColor 5.5-50W GU10 927 25D	1.000 cd
8718696707630	MAS LED ExpertColor 5.5-50W GU10 930 25D	1.000 cd
8718696707654	MAS LED ExpertColor 5.5-50W GU10 940 25D	1.050 cd
8718696707678	MAS LED ExpertColor 5.5-50W GU10 927 36D	800 cd
8718696707692	MAS LED ExpertColor 5.5-50W GU10 930 36D	800 cd
8718696707715	MAS LED ExpertColor 5.5-50W GU10 940 36D	800 cd

Fonctionnement et électricité

Order Code	Full Product Name	Consommation électrique	Puissance équivalente
8718696707494	MAS LED ExpertColor 3.9-35W GU10 927 25D	3,9 W	35 W
8718696707517	MAS LED ExpertColor 3.9-35W GU10 930 25D	3,9 W	35 W
8718696707531	MAS LED ExpertColor 3.9-35W GU10 940 25D	3,9 W	35 W
8718696707555	MAS LED ExpertColor 3.9-35W GU10 927 36D	3,9 W	35 W

Order Code	Full Product Name	Consommation électrique	Puissance équivalente
8718696707579	MAS LED ExpertColor 3.9-35W GU10 930 36D	3,9 W	35 W
8718696707593	MAS LED ExpertColor 3.9-35W GU10 940 36D	3,9 W	35 W
8718696707616	MAS LED ExpertColor 5.5-50W GU10 927 25D	5,5 W	50 W
8718696707630	MAS LED ExpertColor 5.5-50W GU10 930 25D	5,5 W	50 W

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Order Code	Full Product Name	Consommation électrique	Puissance équivalente
8718696707654	MAS LED ExpertColor 5.5-50W GU10 940 25D	5,5 W	50 W
8718696707678	MAS LED ExpertColor 5.5-50W GU10 927 36D	5,5 W	50 W

Order Code	Full Product Name	Consommation électrique	Puissance équivalente
8718696707692	MAS LED ExpertColor 5.5-50W GU10 930 36D	5,5 W	50 W
8718696707715	MAS LED ExpertColor 5.5-50W GU10 940 36D	5,5 W	50 W

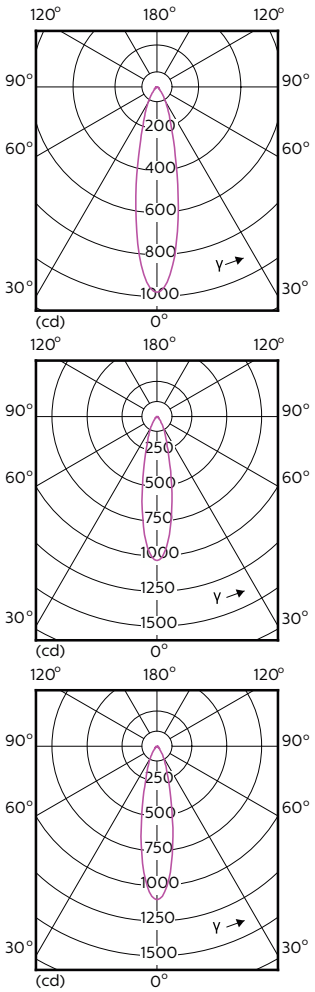
Mécanique et boîtier

Order Code	Full Product Name	Finition ampoule
8718696707494	MAS LED ExpertColor 3.9-35W GU10 927 25D	-
8718696707517	MAS LED ExpertColor 3.9-35W GU10 930 25D	-
8718696707531	MAS LED ExpertColor 3.9-35W GU10 940 25D	-
8718696707555	MAS LED ExpertColor 3.9-35W GU10 927 36D	-
8718696707579	MAS LED ExpertColor 3.9-35W GU10 930 36D	-
8718696707593	MAS LED ExpertColor 3.9-35W GU10 940 36D	Transparent

Order Code	Full Product Name	Finition ampoule
8718696707616	MAS LED ExpertColor 5.5-50W GU10 927 25D	Transparent
8718696707630	MAS LED ExpertColor 5.5-50W GU10 930 25D	Transparent
8718696707654	MAS LED ExpertColor 5.5-50W GU10 940 25D	-
8718696707678	MAS LED ExpertColor 5.5-50W GU10 927 36D	-
8718696707692	MAS LED ExpertColor 5.5-50W GU10 930 36D	-
8718696707715	MAS LED ExpertColor 5.5-50W GU10 940 36D	-

Approbation et application

Order Code	Full Product Name	Consommation d'énergie kWh/1 000 h
8718696707494	MAS LED ExpertColor 3.9-35W GU10 927 25D	4 kWh
8718696707517	MAS LED ExpertColor 3.9-35W GU10 930 25D	4 kWh
8718696707531	MAS LED ExpertColor 3.9-35W GU10 940 25D	4 kWh
8718696707555	MAS LED ExpertColor 3.9-35W GU10 927 36D	4 kWh
8718696707579	MAS LED ExpertColor 3.9-35W GU10 930 36D	4 kWh
8718696707593	MAS LED ExpertColor 3.9-35W GU10 940 36D	4 kWh
8718696707616	MAS LED ExpertColor 5.5-50W GU10 927 25D	6 kWh
8718696707630	MAS LED ExpertColor 5.5-50W GU10 930 25D	6 kWh
8718696707654	MAS LED ExpertColor 5.5-50W GU10 940 25D	6 kWh
8718696707678	MAS LED ExpertColor 5.5-50W GU10 927 36D	6 kWh
8718696707692	MAS LED ExpertColor 5.5-50W GU10 930 36D	6 kWh
8718696707715	MAS LED ExpertColor 5.5-50W GU10 940 36D	6 kWh



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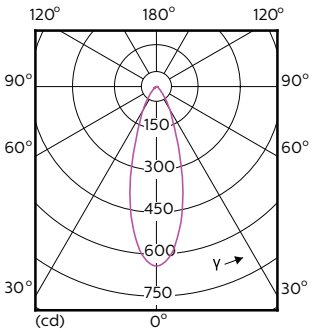

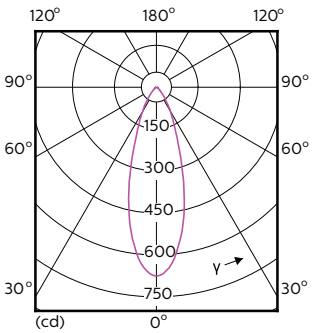

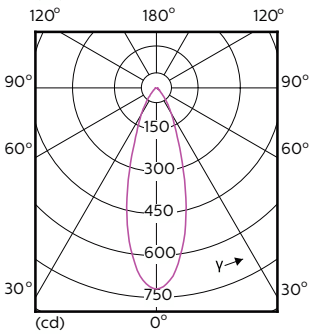

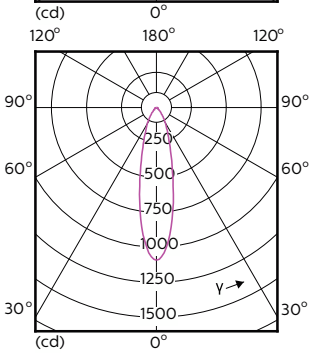

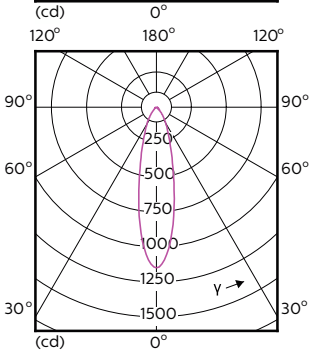

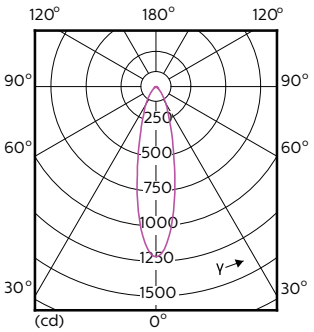

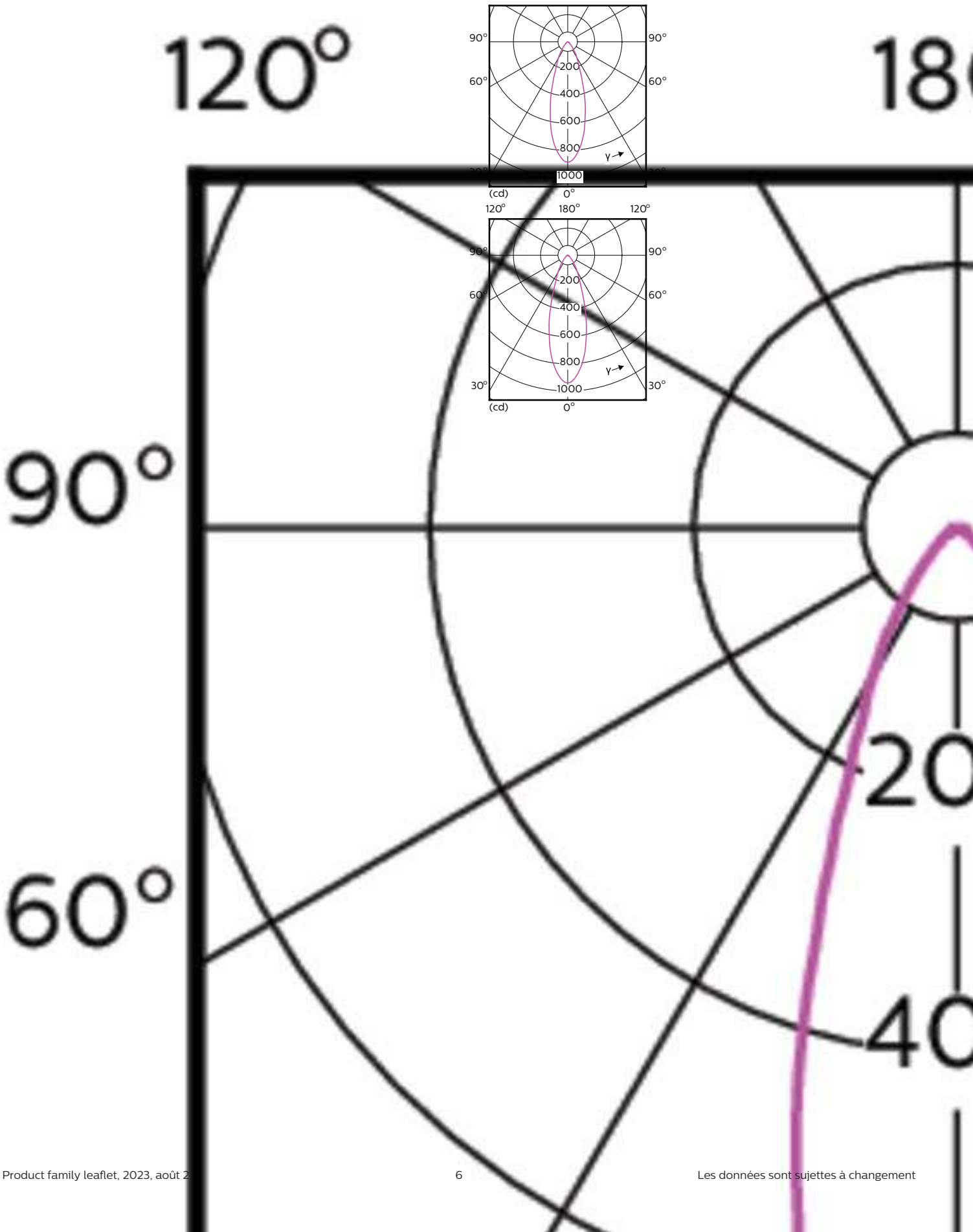
120°
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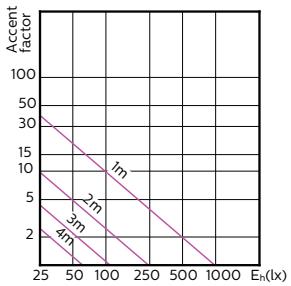
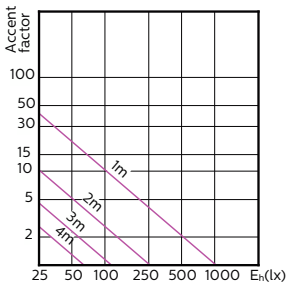
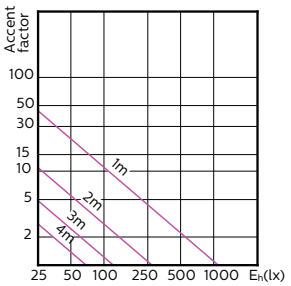
Accent Diagrams



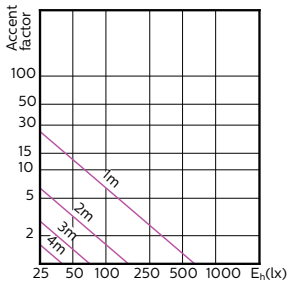
Accent Diagram - MAS LED ExpertColor
3.9-35W GU10 927 25D



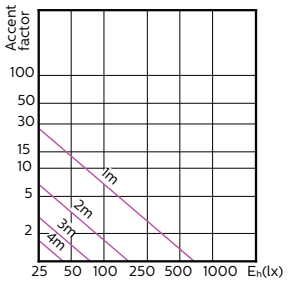
Accent Diagram - MAS LED ExpertColor
3.9-35W GU10 930 25D



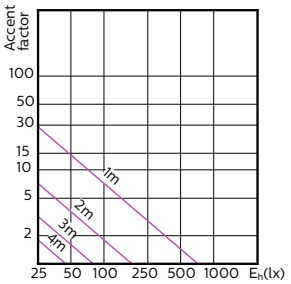
Accent Diagram - MAS LED ExpertColor
3.9-35W GU10 940 25D



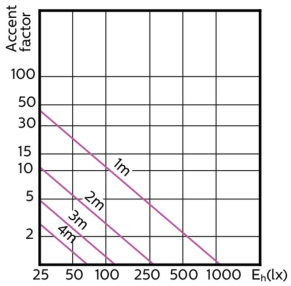
Accent Diagram - MAS LED ExpertColor
3.9-35W GU10 927 36D



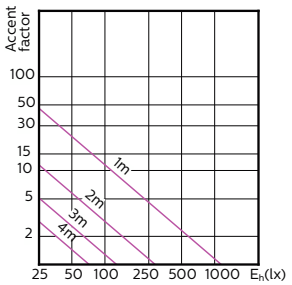
Accent Diagram - MAS LED ExpertColor
3.9-35W GU10 930 36D



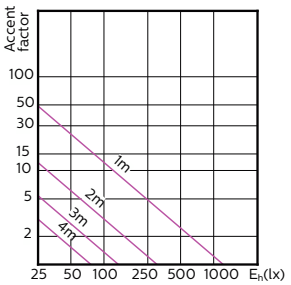
Accent Diagram - MAS LED ExpertColor
3.9-35W GU10 940 36D



Accent Diagram - MAS LED ExpertColor
5.5-50W GU10 927 25D



Accent Diagram - MAS LED ExpertColor
5.5-50W GU10 930 25D



Accent Diagram - MAS LED ExpertColor
5.5-50W GU10 940 25D

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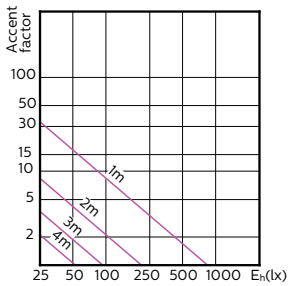
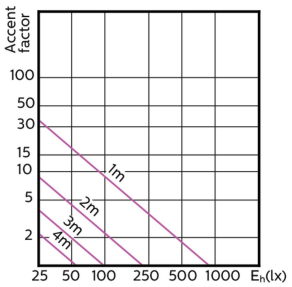
Accent Diagrams



Accent Diagram - MAS LED ExpertColor 5.5-50W GU10 927 36D



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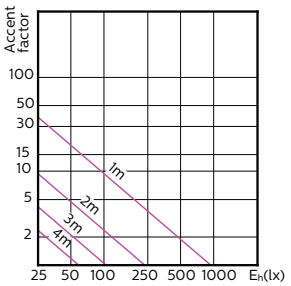
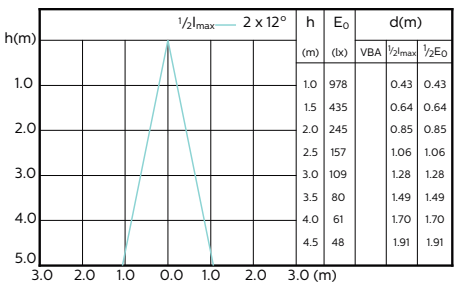


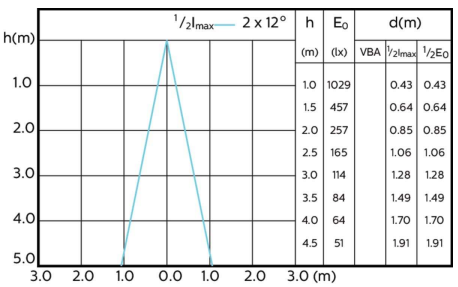
Accent Diagram - MAS LED ExpertColor 5.5-50W GU10 940 36D

Beam Diagrams



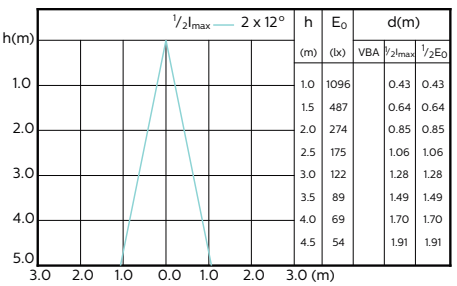
h (m)	E0 (lx)	d(m) VBA	d(m) ½Imax	d(m) ½E0
1.0	978		0.43	0.43
1.5	435		0.64	0.64
2.0	245		0.85	0.85
2.5	157		1.06	1.06
3.0	109		1.28	1.28
3.5	80		1.49	1.49
4.0	61		1.70	1.70
4.5	48		1.91	1.91

Beam diagram - MAS LED ExpertColor 3.9-35W GU10 927 25D



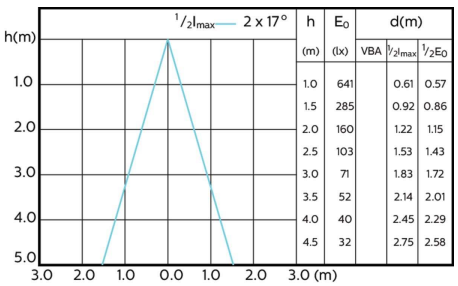
h (m)	E0 (lx)	d(m) VBA	d(m) ½Imax	d(m) ½E0
1.0	1029		0.43	0.43
1.5	457		0.64	0.64
2.0	257		0.85	0.85
2.5	165		1.06	1.06
3.0	114		1.28	1.28
3.5	84		1.49	1.49
4.0	64		1.70	1.70
4.5	51		1.91	1.91

Beam diagram - MAS LED ExpertColor 3.9-35W GU10 930 25D



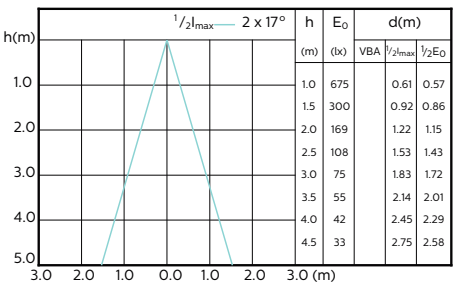
h (m)	E0 (lx)	d(m) VBA	d(m) ½Imax	d(m) ½E0
1.0	1096		0.43	0.43
1.5	487		0.64	0.64
2.0	274		0.85	0.85
2.5	175		1.06	1.06
3.0	122		1.28	1.28
3.5	89		1.49	1.49
4.0	69		1.70	1.70
4.5	54		1.91	1.91

Beam diagram - MAS LED ExpertColor 3.9-35W GU10 940 25D



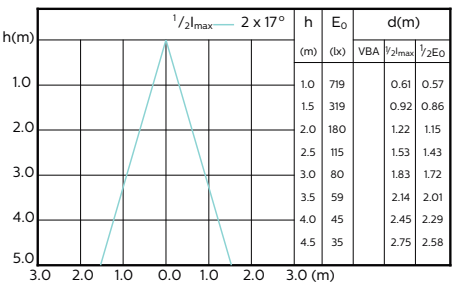
h (m)	E0 (lx)	d(m) VBA	d(m) ½Imax	d(m) ½E0
1.0	641		0.61	0.57
1.5	285		0.92	0.86
2.0	160		1.22	1.15
2.5	103		1.53	1.43
3.0	71		1.83	1.72
3.5	52		2.14	2.01
4.0	40		2.45	2.29
4.5	32		2.75	2.58

Beam diagram - MAS LED ExpertColor 3.9-35W GU10 927 36D



h (m)	E0 (lx)	d(m) VBA	d(m) ½Imax	d(m) ½E0
1.0	675		0.61	0.57
1.5	300		0.92	0.86
2.0	169		1.22	1.15
2.5	108		1.53	1.43
3.0	75		1.83	1.72
3.5	55		2.14	2.01
4.0	42		2.45	2.29
4.5	33		2.75	2.58

Beam diagram - MAS LED ExpertColor 3.9-35W GU10 930 36D

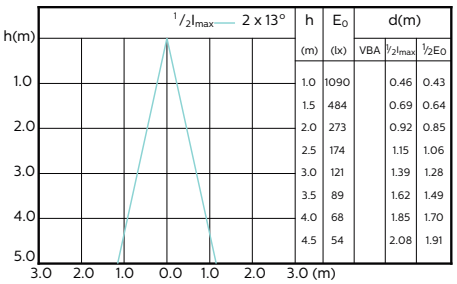


h (m)	E0 (lx)	d(m) VBA	d(m) ½Imax	d(m) ½E0
1.0	719		0.61	0.57
1.5	319		0.92	0.86
2.0	180		1.22	1.15
2.5	115		1.53	1.43
3.0	80		1.83	1.72
3.5	59		2.14	2.01
4.0	45		2.45	2.29
4.5	35		2.75	2.58

Beam diagram - MAS LED ExpertColor 3.9-35W GU10 940 36D

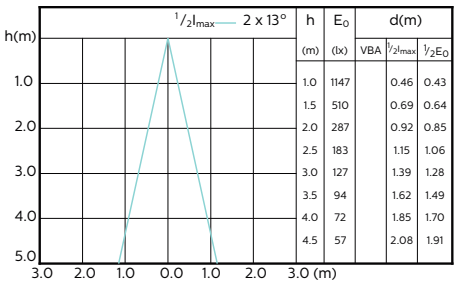
Lampes MASTER LEDspot Expert Color GU10 IRC 97 DIM

Beam Diagrams



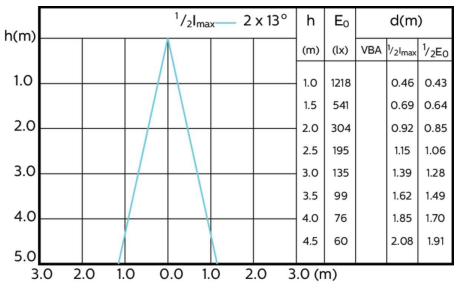
h (m)	E_0 (lx)	d(m) VBA	$^1/_2I_{max}$	$^1/_2E_0$
1.0	1090		0.46	0.43
1.5	484		0.69	0.64
2.0	273		0.92	0.85
2.5	174		1.15	1.06
3.0	121		1.39	1.28
3.5	89		1.62	1.49
4.0	68		1.85	1.70
4.5	54		2.08	1.91

Beam diagram - MAS LED ExpertColor 5.5-50W GU10 927 25D



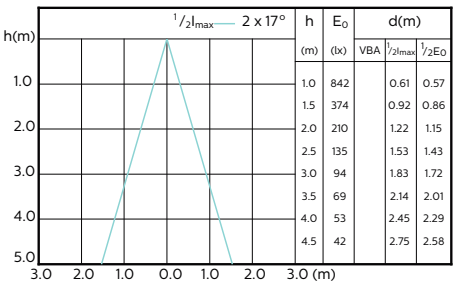
h (m)	E_0 (lx)	d(m) VBA	$^1/_2I_{max}$	$^1/_2E_0$
1.0	1147		0.46	0.43
1.5	510		0.69	0.64
2.0	287		0.92	0.85
2.5	183		1.15	1.06
3.0	127		1.39	1.28
3.5	94		1.62	1.49
4.0	72		1.85	1.70
4.5	57		2.08	1.91

Beam diagram - MAS LED ExpertColor 5.5-50W GU10 930 25D



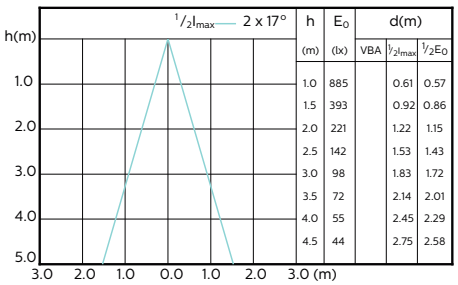
h (m)	E_0 (lx)	d(m) VBA	$^1/_2I_{max}$	$^1/_2E_0$
1.0	1218		0.46	0.43
1.5	541		0.69	0.64
2.0	304		0.92	0.85
2.5	195		1.15	1.06
3.0	135		1.39	1.28
3.5	99		1.62	1.49
4.0	76		1.85	1.70
4.5	60		2.08	1.91

Beam diagram - MAS LED ExpertColor 5.5-50W GU10 940 25D



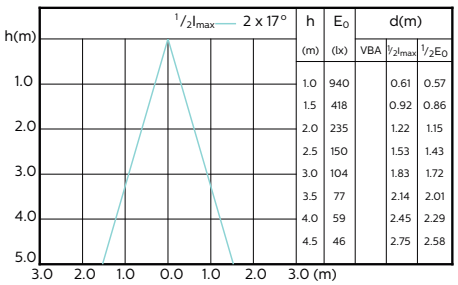
h (m)	E_0 (lx)	d(m) VBA	$^1/_2I_{max}$	$^1/_2E_0$
1.0	842		0.61	0.57
1.5	374		0.92	0.86
2.0	210		1.22	1.15
2.5	135		1.53	1.43
3.0	94		1.83	1.72
3.5	69		2.14	2.01
4.0	53		2.45	2.29
4.5	42		2.75	2.58

Beam diagram - MAS LED ExpertColor 5.5-50W GU10 927 36D



h (m)	E_0 (lx)	d(m) VBA	$^1/_2I_{max}$	$^1/_2E_0$
1.0	885		0.61	0.57
1.5	393		0.92	0.86
2.0	221		1.22	1.15
2.5	142		1.53	1.43
3.0	98		1.83	1.72
3.5	72		2.14	2.01
4.0	55		2.45	2.29
4.5	44		2.75	2.58

Beam diagram - MAS LED ExpertColor 5.5-50W GU10 930 36D



h (m)	E_0 (lx)	d(m) VBA	$^1/_2I_{max}$	$^1/_2E_0$
1.0	940		0.61	0.57
1.5	418		0.92	0.86
2.0	235		1.22	1.15
2.5	150		1.53	1.43
3.0	104		1.83	1.72
3.5	77		2.14	2.01
4.0	59		2.45	2.29
4.5	46		2.75	2.58

Beam diagram - MAS LED ExpertColor 5.5-50W GU10 940 36D

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