For top performance and sustainability

MASTER LEDspot ExpertColor MV

MASTER LEDspot ExpertColor creates a warm and comfortable ambience for hospitality venues, homes and restaurants. They offer superior lighting that has a customized spectrum, high CRI, and deep dimming feature. What's more the innovative, trimless lens design will also suit almost any interior decor with its clean and neat look. In addition, with MASTER LEDspot ExpertColor you can take advantage of the full ExpertColor family, which also includes LEDspot MR16, LEDspot AR111 and LEDspot PAR lamps. MASTER LEDspot ExpertColor delivers huge energy savings and minimizes maintenance costs without any compromise on light quality and lifetime, enabling residential and business owners to achieve a return on their investment within a short time period.

Benefits
· Create a warm and comfortable ambience with MASTER LED GU10
· Hassle-free retrofit solution for greater energy efficiency and sustainability
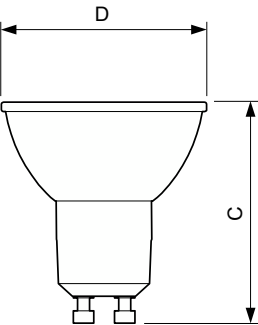· Interior decor, furnishings and fabrics look great

Features
· Customized color spectrum replicates halogen light color
· Best-in-class color realization CRI97, R9>85
· Retrofittable with main-voltage GU10 halogen lamps
· Deep and smooth dimming with broad transformer compatibility

Application
· Hospitality
· Retail
· Residential

MASTER LEDspot ExpertColor MV

Dimensional drawing

Product	D	C
MAS LED ExpertColor 5.5–50W GU10 927 24D	50 mm	54 mm
MAS LED ExpertColor 5.5–50W GU10 927 36D	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 24D	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

General Information

Cap-Base	GU10
Switching Cycle	50,000
Nominal lifetime	40,000 hour(s)

Light Technical

Color rendering index (CRI)	97
LLMF At End Of Nominal Lifetime (Nom)	70 %

Operating and Electrical

Input Frequency	50 to 60 Hz
Line Frequency	50 to 60 Hz
Power Consumption	5.5 W
Starting Time (Nom)	0.5 s
Wattage Equivalent	50 W

Temperature

T–Case Maximum (Nom)	80 °C

Mechanical and Housing

Bulb Shape	PAR16

Approval and Application

Energy Consumption kWh/1000 h	6 kWh

Light Technical (1/2)

Order Code	Full Product Name	Beam Angle (Nom)	Correlated Color Temperature (Nom)	Color Code	Luminous Flux
75586000	MASTER LED ExpertColor 5.5–50W GU10 927 24D	24 degree(s)	2700 K	927	385 lm
75588400	MASTER LED ExpertColor 5.5–50W GU10 930 24D	24 degree(s)	3000 K	930	405 lm
70765400	MASTER LED ExpertColor 5.5–50W GU10 940 25D	25 degree(s)	4000 K	940	400 lm
70767800	MASTER LED ExpertColor 5.5–50W GU10 927 36D	36 degree(s)	2700 K	927	355 lm
70733300	MASTER LED ExpertColor 5.5–50W GU10 927 36D	36 degree(s)	2700 K	927	385 lm
75590700	MASTER LED ExpertColor 5.5–50W GU10 930 36D	36 degree(s)	3000 K	930	405 lm

Light Technical (2/2)

Order Code	Full Product Name	Luminous Intensity (Nom)
75586000	MASTER LED ExpertColor 5.5–50W GU10 927 24D	1,000 cd
75588400	MASTER LED ExpertColor 5.5–50W GU10 930 24D	1,000 cd
70765400	MASTER LED ExpertColor 5.5–50W GU10 940 25D	1,050 cd

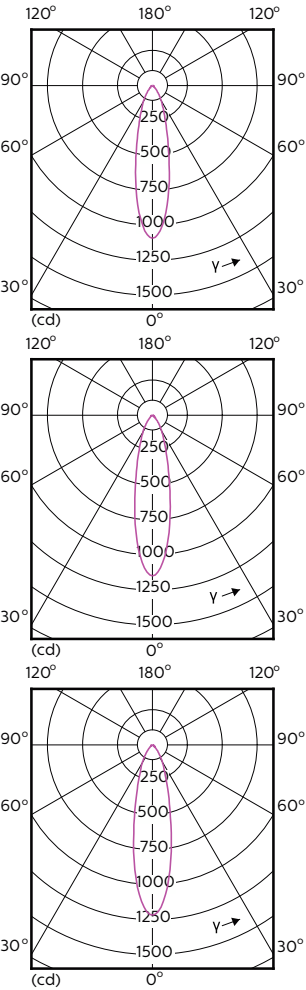| Order Code	Full Product Name	Luminous Intensity (Nom)
70767800	MASTER LED ExpertColor 5.5–50W GU10 927 36D	800 cd
70733300	MASTER LED ExpertColor 5.5–50W GU10 927 36D	800 cd
75590700	MASTER LED ExpertColor 5.5–50W GU10 930 36D	800 cd

Controls and Dimming

Order Code	Full Product Name	Dimmable
75586000	MASTER LED ExpertColor 5.5–50W GU10 927 24D	Yes

Order Code	Full Product Name	Dimmable
75588400	MASTER LED ExpertColor 5.5–50W GU10 930 24D	Yes

MASTER LEDspot ExpertColor MV

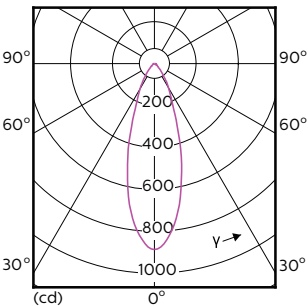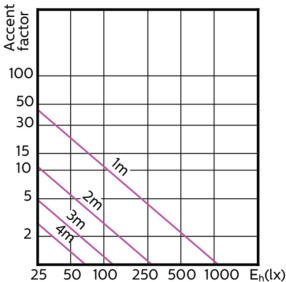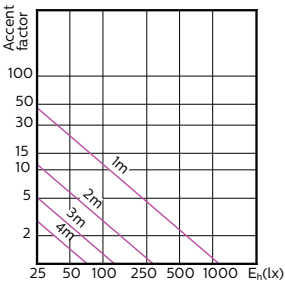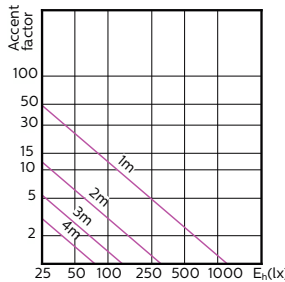| Order Code	Full Product Name	Dimmable
70765400	MASTER LED ExpertColor 5.5–50W GU10 940 25D	Only with specific dimmers
70767800	MASTER LED ExpertColor 5.5–50W GU10 927 36D	Only with specific dimmers
70733300	MASTER LED ExpertColor 5.5–50W GU10 927 36D	Yes
75590700	MASTER LED ExpertColor 5.5–50W GU10 930 36D	Yes

MASTER LEDspot ExpertColor MV

Accent Diagrams
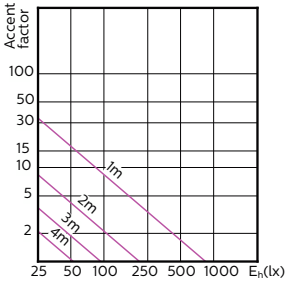

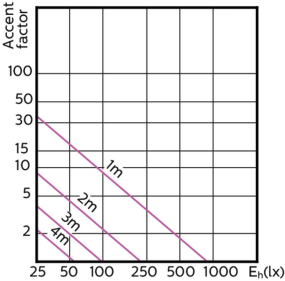**Accent Diagram – MAS LED ExpertColor**

5.5-50W GU10 927 24D

Accent Diagram – MAS LED ExpertColor

5.5-50W GU10 930 24D

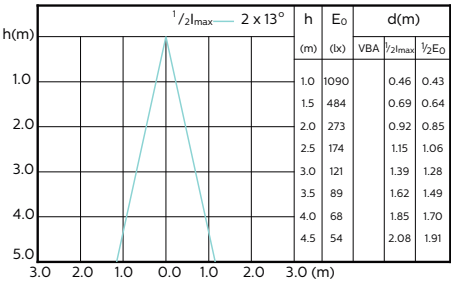**Accent Diagram – MAS LED ExpertColor**

5.5-50W GU10 940 25D

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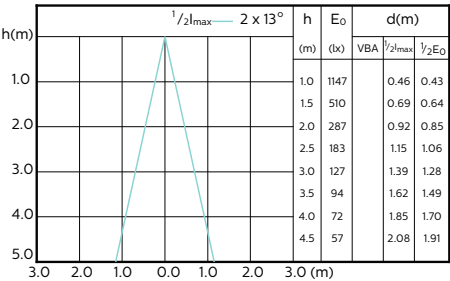
5.5-50W GU10 927 36D

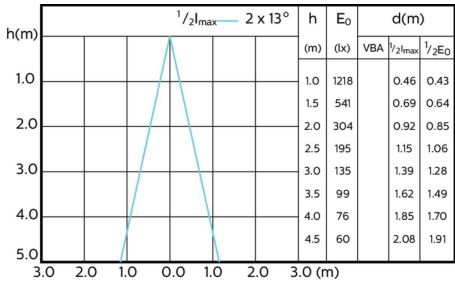**Accent Diagram – MAS LED ExpertColor**

5.5-50W GU10 930 36D

Beam Diagrams

$^1/_2I_{max}$ — 2 x 13°	h	E_0		d(m)	
	(m)	(lx)	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 24D

$^1/_2I_{max}$ — 2 x 13°	h	E_0		d(m)	
	(m)	(lx)	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 24D

$^1/_2I_{max}$ — 2 x 13°	h	E_0		d(m)	
	(m)	(lx)	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

MASTER LEDspot ExpertColor MV

Beam Diagrams

h (m)	E₀ (lx)	VBA	½Imax	½E₀
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)	E₀ (lx)	VBA	½Imax	½E₀
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