



MASTER LEDspot LV AR111 – Hochwertiges Design für anspruchsvolle Beleuchtung

MASTER LEDspot AR111 Niedervolt- Reflektorlampen

Lange Lebensdauer, hohe Energieeffizienz und beste Farbwiedergabe (Ra ~GT~90): MASTER LEDspot AR111 sind kompatibel mit vielen handelsüblichen Halogentransformatoren und so der ideale Ersatz für herkömmliche NV-Halogen-Reflektoren.

Vorteile

- Hochwertiges, neues Design mit brillanter Reflektoroptik
- Keine LEDs mehr sichtbar
- Expert Color – die beste LED Farbwiedergabe aller Zeiten mit Ra 97 (50W und 75W-Ersatz)
- Beste Farbwiedergabe mit Ra 90 (100 W-Ersatz)
- Spart bis zu 80% Energie im Vergleich zu herkömmlichen konventionellen Leuchtmitteln

Merkmale

- 40.000 h Lebensdauer
- Sehr gute Farbwiedergabe Ra >90
- Dimmbar an von Philips empfohlenen Dimmern
- Frei von Quecksilber und gefährlichen Substanzen
- Erhältlich in dimmbar in den Ausstrahlwinkeln 8°, 24° und 40°

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Anwendung

- Für Allgemein- und Akzentbeleuchtung in Shops, Hotels und Restaurants
- Nur in offenen/belüfteten Leuchten verwenden
- Einzusetzen im Innenbereich bei Temperaturen von -20 bis +45°C

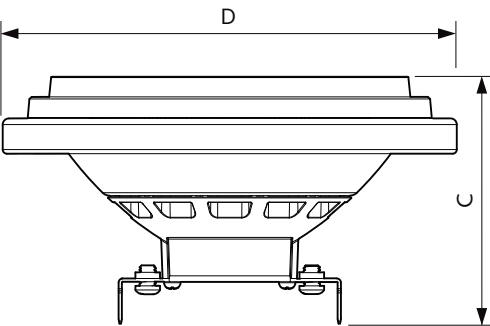
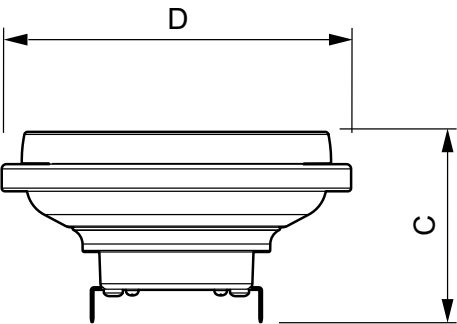
Hinweise

- Max. 80% Luftfeuchtigkeit
- Nicht für elektronische Schalter geeignet
- Min. 10 mm Luftraum beim Deckeneinbau zur Gewährleistung der konstanten Wärmeableitung
- Geprüfte und geeignete Trafo-/ Dimmerempfehlungen finden Sie unter www.philips.de/master-led-lampen

Versions



Abmessungsskizzen



Product
MAS LEDspotLV D 15-75W 930 AR111 24D
MAS LEDspotLV D 11-50W 927 AR111 24D
MAS LEDspotLV D 15-75W 930 AR111 40D
MAS LEDspotLV D 11-50W 927 AR111 40D

Product	D	C
MAS LED ExpertColor 11-50W 927 AR111 8D	111 mm	62 mm
MAS LED ExpertColor 11-50W 930 AR111 8D	111 mm	62 mm
MAS LED ExpertColor 11-50W 927 AR111 24D	111 mm	62 mm
MAS LED ExpertColor 15-75W 927 AR111 24D	111 mm	62 mm
MAS LED ExpertColor 11-50W 930 AR111 40D	111 mm	62 mm
MAS LED ExpertColor 11-50W 927 AR111 40D	111 mm	62 mm
MAS LED ExpertColor 15-75W 930 AR111 24D	111 mm	62 mm
MAS LED ExpertColor 15-75W 940 AR111 24D	111 mm	62 mm
MAS LED ExpertColor 15-75W 930 AR111 40D	111 mm	62 mm
MAS LED ExpertColor 15-75W 940 AR111 40D	111 mm	62 mm
MAS LED ExpertColor 15-75W 927 AR111 40D	111 mm	62 mm

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Dimmen	
Dimmbar	Ja
Elektrische Kenndaten	
Eingangsfrequenz	- Hz
Startzeit (nom.)	0,5 s
Allgemeine Eigenschaften	
Sockel	G53
Nennlebensdauer (nom.)	40000 h
Schaltzyklus	50000X
Lichttechnische Daten	
Restlichtstrom am Ende der Nennlebensdauer (nom.)	70 %
Mechanische Kenndaten	
Kolbenform	AR111

Zulassungen und Anwendungseigenschaften

Order Code	Full Product Name	Energieverbrauch kWh/1.000 Std.
51488700	MAS LEDspotLV D 11-50W 927 AR111 24D	13 kWh
51492400	MAS LEDspotLV D 11-50W 927 AR111 40D	13 kWh
51498600	MAS LEDspotLV D 15-75W 930 AR111 24D	17 kWh
51502000	MAS LEDspotLV D 15-75W 930 AR111 40D	17 kWh
68692500	MAS LED ExpertColor 11-50W 927 AR111 24D	13 kWh
68694900	MAS LED ExpertColor 11-50W 927 AR111 40D	13 kWh
68696300	MAS LED ExpertColor 11-50W 930 AR111 40D	13 kWh
68698700	MAS LED ExpertColor 15-75W 927 AR111 24D	17 kWh
68700700	MAS LED ExpertColor 15-75W 930 AR111 24D	17 kWh
68708300	MAS LED ExpertColor 15-75W 940 AR111 24D	17 kWh
68702100	MAS LED ExpertColor 15-75W 927 AR111 40D	17 kWh
68704500	MAS LED ExpertColor 15-75W 930 AR111 40D	17 kWh
68710600	MAS LED ExpertColor 15-75W 940 AR111 40D	17 kWh
68706900	MAS LED ExpertColor 11-50W 927 AR111 8D	13 kWh
69103500	MAS LED ExpertColor 11-50W 930 AR111 8D	13 kWh

Elektrische Kenndaten

Order Code	Full Product Name	Spannung (nom.)	Äquivalente Leistung	Nennleistung (nom.)
51488700	MAS LEDspotLV D 11-50W 927 AR111 24D	12 V	50 W	11 W
51492400	MAS LEDspotLV D 11-50W 927 AR111 40D	12 V	50 W	11 W
51498600	MAS LEDspotLV D 15-75W 930 AR111 24D	12 V	75 W	15 W
51502000	MAS LEDspotLV D 15-75W 930 AR111 40D	12 V	75 W	15 W
68692500	MAS LED ExpertColor 11-50W 927 AR111 24D	ac electronic 12 V	50 W	11 W
68694900	MAS LED ExpertColor 11-50W 927 AR111 40D	ac electronic 12 V	50 W	11 W
68696300	MAS LED ExpertColor 11-50W 930 AR111 40D	ac electronic 12 V	50 W	11 W
68698700	MAS LED ExpertColor 15-75W 927 AR111 24D	ac electronic 12 V	75 W	15 W
Order Code	Full Product Name	Spannung (nom.)	Äquivalente Leistung	Nennleistung (nom.)
68700700	MAS LED ExpertColor 15-75W 930 AR111 24D	ac electronic 12 V	75 W	15 W
68708300	MAS LED ExpertColor 15-75W 940 AR111 24D	ac electronic 12 V	75 W	15 W
68702100	MAS LED ExpertColor 15-75W 927 AR111 40D	ac electronic 12 V	75 W	15 W
68704500	MAS LED ExpertColor 15-75W 930 AR111 40D	ac electronic 12 V	75 W	15 W
68710600	MAS LED ExpertColor 15-75W 940 AR111 40D	ac electronic 12 V	75 W	15 W
68706900	MAS LED ExpertColor 11-50W 927 AR111 8D	ac electronic 12 V	50 W	11 W
69103500	MAS LED ExpertColor 11-50W 930 AR111 8D	ac electronic 12 V	50 W	11 W

Lichttechnische Daten (1/2)

Order Code	Full Product Name	Ausstrahlungswinkel (nom.)	Farbcode	Ähnlichste Farbtemperatur (nom.)	Farbwiedergabe (nom.)	Order Code	Full Product Name	Ausstrahlungswinkel (nom.)	Farbcode	Ähnlichste Farbtemperatur (nom.)	Farbwiedergabeindex (nom.)
51488700	MAS LEDspotLV D 11-50W 927 AR111 24D	24 °	927	2700 K	90		D 11-50W 927 AR111 40D				
51492400	MAS LEDspotLV	40 °	927	2700 K	90	51498600	MAS LEDspotLV D 15-75W	24 °	930	3000 K	90

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Order Code	Full			Ähnlichste		Order Code	Full			Ähnlichste		
	Product Name	Ausstrahlungswinkel (nom.)	Farbcode	Farbtemperatur (nom.)	Farbwiedergabe (nom.)		Product Name	Ausstrahlungswinkel (nom.)	Farbcode	Farbtemperatur (nom.)	Farbwiedergabeindex (nom.)	
51502000	930 AR111						930 AR111					
	24D						24D					
	MAS	40 °	930	3000 K	90	68708300	MAS LED	24 °	940	4000 K	97	
	LEDspotLV D 15-75W						ExpertColor 15-75W					
68692500	930 AR111						940 AR111					
	40D						24D					
	MAS LED	24 °	927	2700 K	97	68702100	MAS LED	40 °	927	2700 K	97	
	ExpertColor 11-50W 927 AR111 24D						ExpertColor 15-75W 927 AR111 40D					
68694900	MAS LED	40 °	927	2700 K	97	68704500	MAS LED	40 °	930	3000 K	97	
	ExpertColor 11-50W 927 AR111 40D						ExpertColor 15-75W 930 AR111 40D					
	68696300	MAS LED	40 °	930	3000 K	97		MAS LED	40 °	940	4000 K	97
		ExpertColor 11-50W 930 AR111 40D					68710600	MAS LED	40 °	940	4000 K	97
68698700		MAS LED	24 °	927	2700 K	97		ExpertColor 15-75W 940 AR111 40D				
		ExpertColor 15-75W 927 AR111 24D					68706900	MAS LED	8 °	927	2700 K	97
	68700700	MAS LED	24 °	930	3000 K	97		ExpertColor 11-50W 927 AR111 8D				
		ExpertColor 15-75W					69103500	MAS LED	8 °	930	3000 K	97
							ExpertColor 11-50W 930 AR111 8D					

Lichttechnische Daten (2/2)

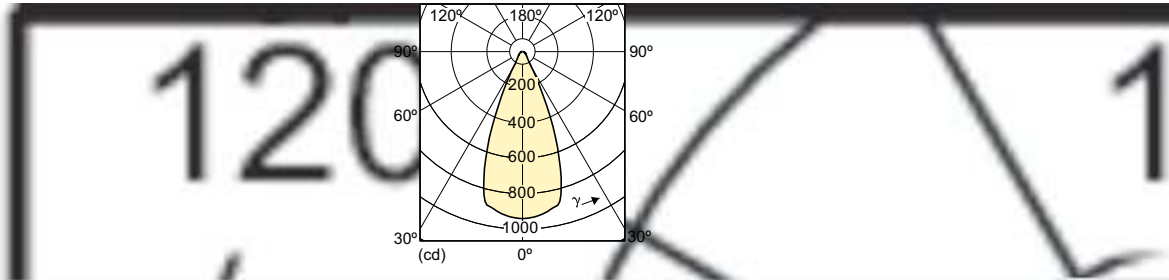
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			Lichtstrom (nom.)	(nom.)
51488700	MAS LEDspotLV D 11-50W 927 AR111 24D		560 lm	2900 cd
51492400	MAS LEDspotLV D 11-50W 927 AR111 40D		550 lm	1100 cd
51498600	MAS LEDspotLV D 15-75W 930 AR111 24D		810 lm	4000 cd
51502000	MAS LEDspotLV D 15-75W 930 AR111 40D		810 lm	1450 cd
68692500	MAS LED ExpertColor 11-50W 927 AR111 24D		600 lm	3000 cd
68694900	MAS LED ExpertColor 11-50W 927 AR111 40D		600 lm	1300 cd
68696300	MAS LED ExpertColor 11-50W 930 AR111 40D		620 lm	-
68698700	MAS LED ExpertColor 15-75W 927 AR111 24D		830 lm	3500 cd

Order Code	Full Product Name		Lichtstärke (nom.)	
			Lichtstrom (nom.)	(nom.)
68700700	MAS LED ExpertColor 15-75W 930 AR111 24D		850 lm	3500 cd
68708300	MAS LED ExpertColor 15-75W 940 AR111 24D		950 lm	-
68702100	MAS LED ExpertColor 15-75W 927 AR111 40D		850 lm	1400 cd
68704500	MAS LED ExpertColor 15-75W 930 AR111 40D		870 lm	1400 cd
68710600	MAS LED ExpertColor 15-75W 940 AR111 40D		980 lm	-
68706900	MAS LED ExpertColor 11-50W 927 AR111 8D		600 lm	8000 cd
69103500	MAS LED ExpertColor 11-50W 930 AR111 8D		620 lm	8000 cd

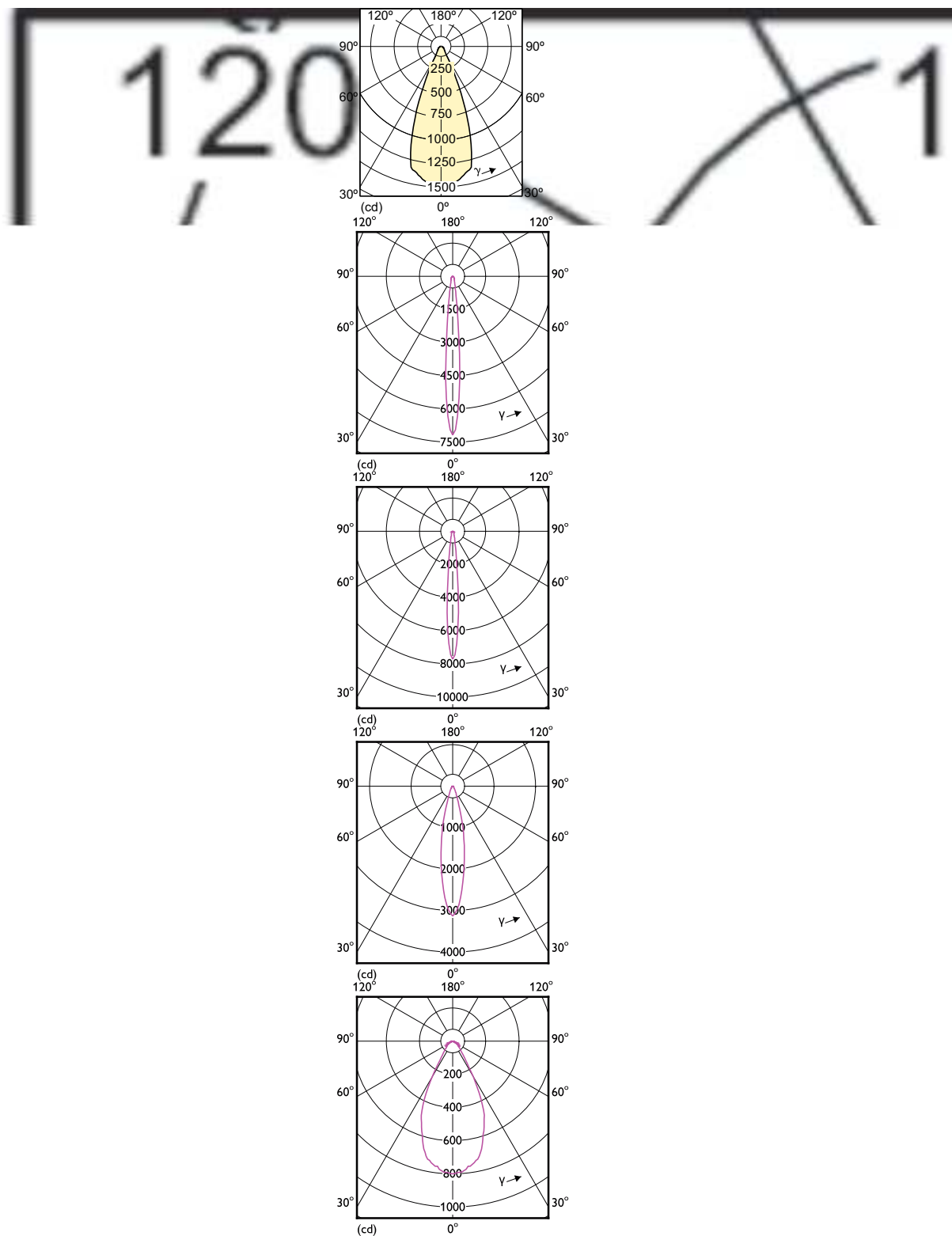
MASTER LEDspot AR111 Niedervolt-Reflektorlampen

Temperaturkenndaten

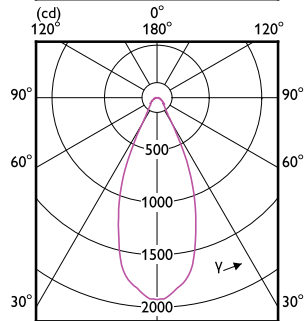
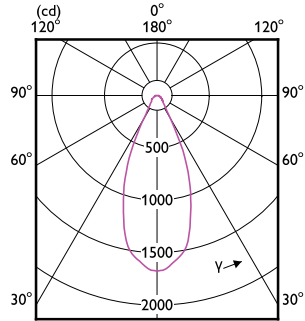
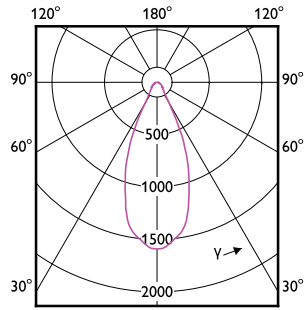
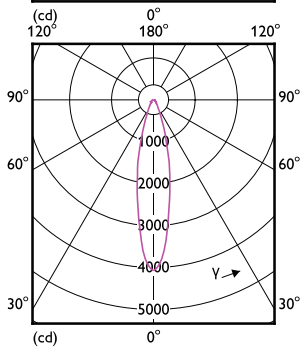
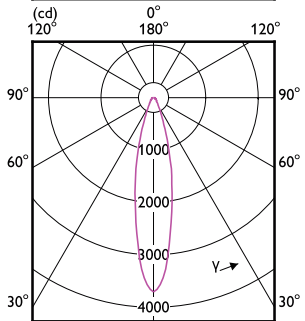
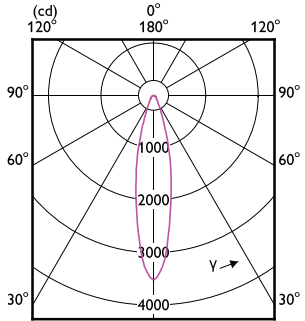
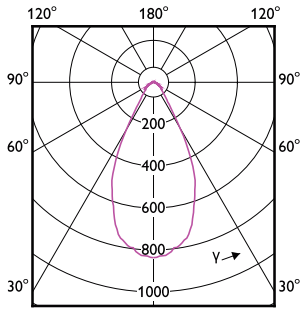
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51492400	MAS LEDspotLV D 11-50W 927 AR111 40D	70 °C
51498600	MAS LEDspotLV D 15-75W 930 AR111 24D	74 °C
51502000	MAS LEDspotLV D 15-75W 930 AR111 40D	74 °C
68692500	MAS LED ExpertColor 11-50W 927 AR111 24D	70 °C
68694900	MAS LED ExpertColor 11-50W 927 AR111 40D	70 °C
68696300	MAS LED ExpertColor 11-50W 930 AR111 40D	70 °C
68698700	MAS LED ExpertColor 15-75W 927 AR111 24D	74 °C
68700700	MAS LED ExpertColor 15-75W 930 AR111 24D	74 °C
68708300	MAS LED ExpertColor 15-75W 940 AR111 24D	74 °C
68702100	MAS LED ExpertColor 15-75W 927 AR111 40D	74 °C
68704500	MAS LED ExpertColor 15-75W 930 AR111 40D	74 °C
68710600	MAS LED ExpertColor 15-75W 940 AR111 40D	74 °C
68706900	MAS LED ExpertColor 11-50W 927 AR111 8D	70 °C
69103500	MAS LED ExpertColor 11-50W 930 AR111 8D	70 °C



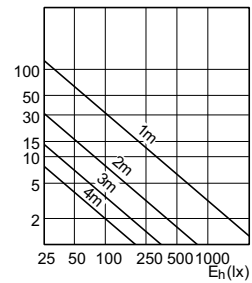
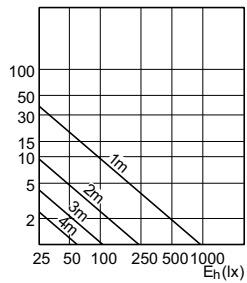
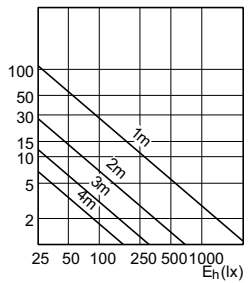
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MASTER LEDspot AR111 Niedervolt-Reflektorlampen



Accent Diagrams

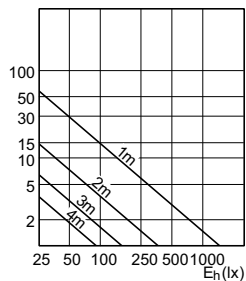


SDAC_LEDspotL_0132-Accent diagram

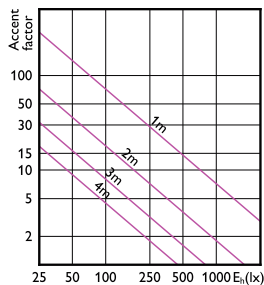
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MASTER LEDspot AR111 Niedervolt-Reflektorlampen

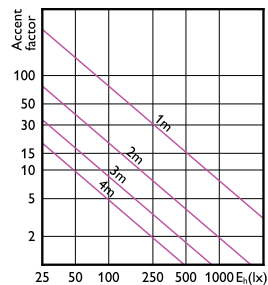
Accent Diagrams



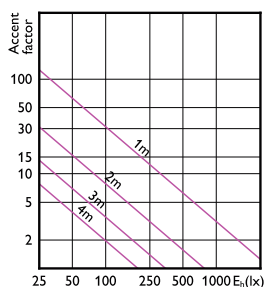
SDAC_LEDspotL_0138-Accent diagram



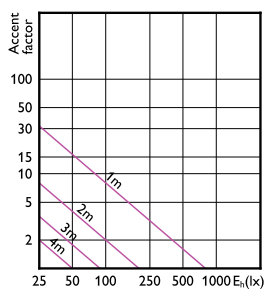
LEDspots 50W G53 AR111 927 8D



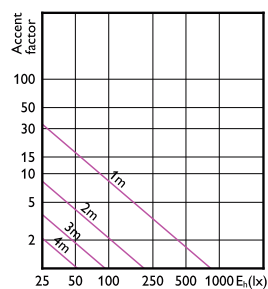
LEDspots 50W G53 AR111 930 8D



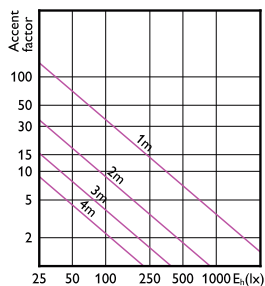
LEDspots 50W G53 AR111 927 24D



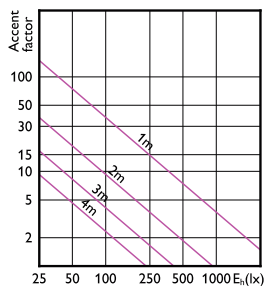
LEDspots 50W G53 AR111 927 40D



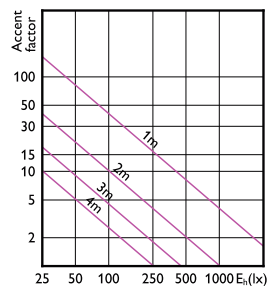
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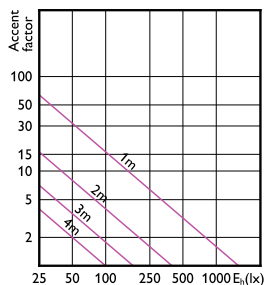
LEDspots 75W G53 AR111 927 24D



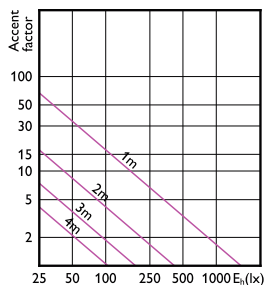
LEDspots 75W G53 AR111 930 24D



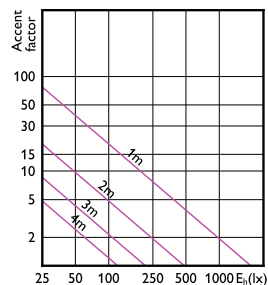
LEDspots 75W G53 AR111 940 24D



LEDspots 75W G53 AR111 927 40D



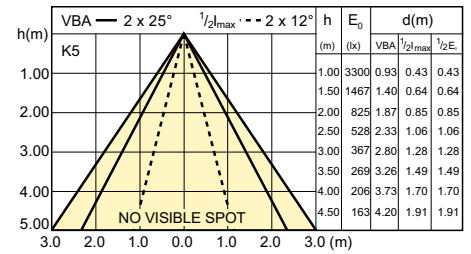
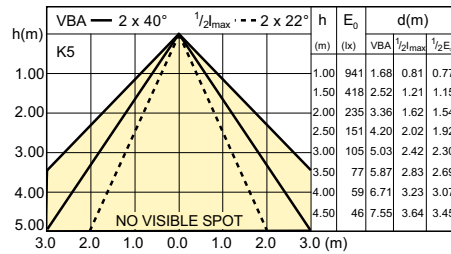
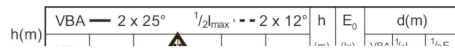
LEDspots 75W G53 AR111 930 40D



LEDspots 75W G53 AR111 940 40D

MASTER LEDspot AR111 Niedervolt-Reflektorlampen

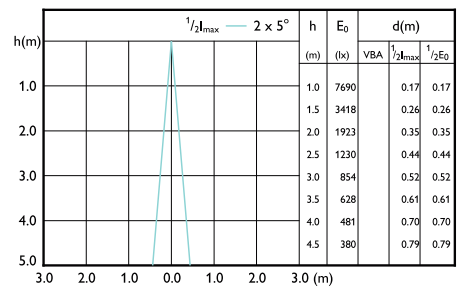
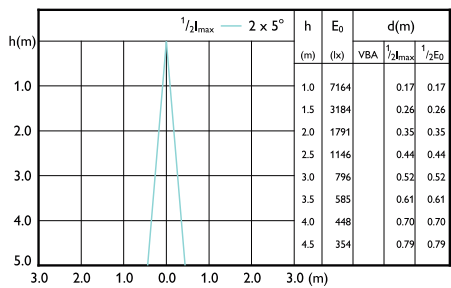
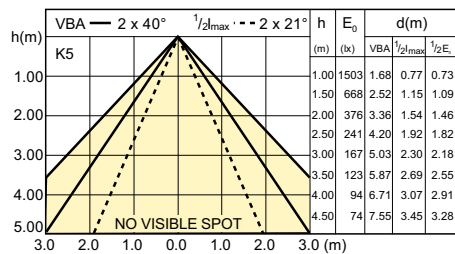
Beam Diagrams



SDBE_LEDspotL_0132-Beam diagram

SDBE_LEDspotL_0134-Beam diagram

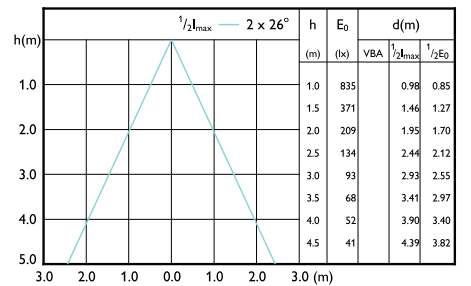
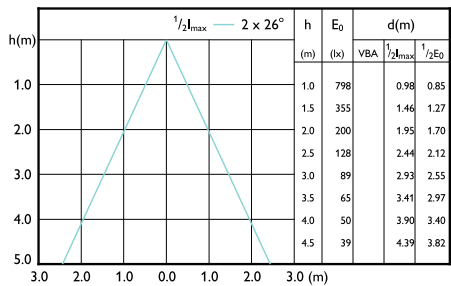
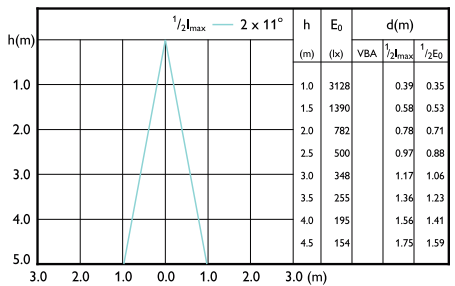
SDBE_LEDspotL_0137-Beam diagram



SDBE_LEDspotL_0139-Beam diagram

LEDspots 50W G53 AR111 927 8D

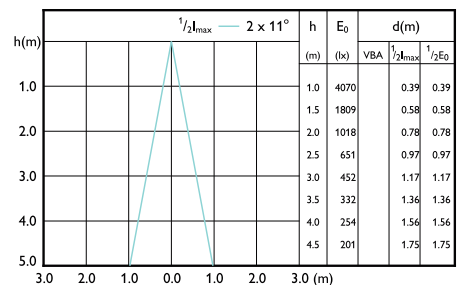
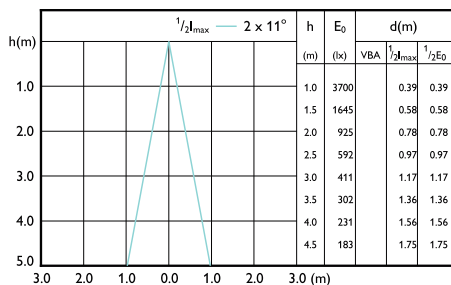
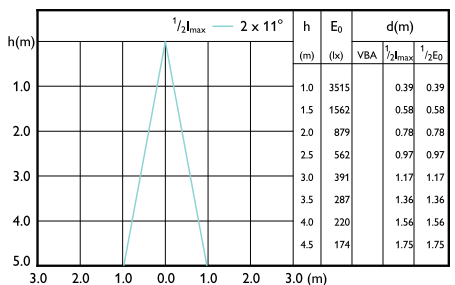
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LEDspots 50W G53 AR111 927 24D

LEDspots 50W G53 AR111 927 40D

LEDspots 50W G53 AR111 930 40D



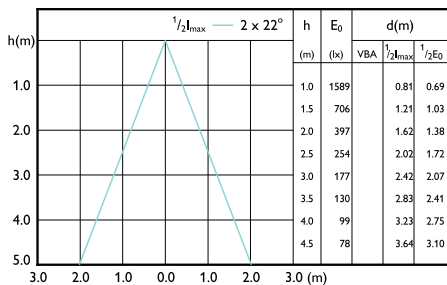
LEDspots 75W G53 AR111 927 24D

LEDspots 75W G53 AR111 930 24D

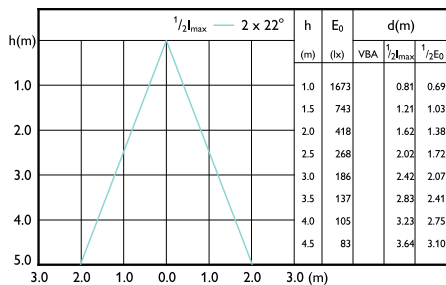
LEDspots 75W G53 AR111 940 24D

MASTER LEDspot AR111 Niedervolt-Reflektorlampen

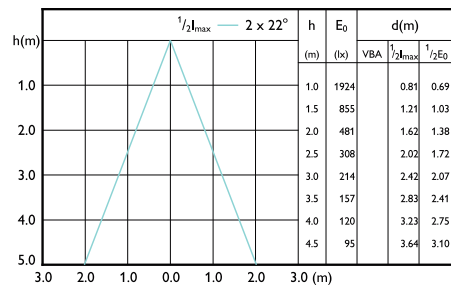
Beam Diagrams



LEDspots 75W G53 AR111 927 40D



LEDspots 75W G53 AR111 930 40D



LEDspots 75W G53 AR111 940 40D

