



Product Description

MASTERLine 111

Low-voltage halogen reflector lamp with double-ended burner and high-purity aluminium reflector

Benefits

- Glare free, well defined accent lighting with minimum amount of direct glare from the lamp
- Up to 40% lower energy costs compared to equivalent versions of this lamp, thanks to improved burner efficacy (lm/W)
- Increased comfort and (where applicable) lower cooling costs because of up to 40% lower heat transmission
- Low maintenance costs due to increased lifetime (33% higher than equivalent versions)
- Lowest UV output compared to other versions of this lamps, reducing fading risks to absolute minimum

Features

- Unique infra-red coated burner technology
- Revolutionary compact, precision burner for maximum performance of the infra-red reflecting coating
- Ceramic filament shield reduces glare and improves beam shape
- Flat profile, very tight beam pattern and excellent glare control
- G53 socket and screw or tab terminals for direct wire connection with mating eyelet or receptacle
- UV block quartz glass

Application

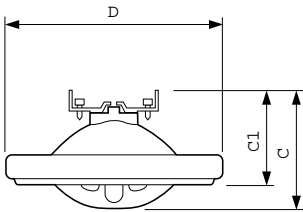
- Excellent light source for general lighting and especially creative accent lighting in shops, restaurants, hotels, and especially for galleries, exhibitions and museums

MASTERLine 111

Versions



Dimensional drawing



Product	D (max)	C (max)	C1 (max)
MASTERLine 111 30W G53 12V 8D 1CT/6	111 mm	67 mm	51 mm
MASTERLine 111 45W G53 12V 8D 1CT/6	111 mm	67 mm	51 mm

MASTERLine 111

Approval and Application

Energy Efficiency Label (EEL)	C
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Controls and Dimming

Dimmable	yes
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Operating and Electrical

Voltage (Nom)	12 V
Starting Time (Nom)	0.0 s
Warm Up Time To 60% Light (Nom)	instant full light

General Information

Cap-Base	G53
Nominal Lifetime (Nom)	4000 h
Operating Position	UNIVERSAL
Rated Lifetime (Hours)	4000 h
Switching Cycle	16000X

Luminaire Design Requirements

Bulb Temperature (Max)	900 °C
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Light Technical

Beam Angle (Nom)	8 °
Correlated Colour Temperature (Nom)	3000 K
Colour Rendering Index (Nom)	100
Llmf At End Of Nominal Lifetime (Min)	80 %
Rated Beam Angle	8 °

Mechanical and Housing

Bulb Shape	R111
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Approval and Application

Order Code	Full Product Name	Energy Consumption kWh/1000 h
924058417161	MASTERLine 111 30W G53 12V 8D 1CT/6	32 kWh
924058617161	MASTERLine 111 45W G53 12V 8D 1CT/6	48 kWh

Operating and Electrical

Order Code	Full Product Name	Lamp		Power
		Current (Nom)	Wattage Equivalent	(Rated) (Nom)
924058417161	MASTERLine 111 30W G53 12V 8D 1CT/6	2.5 A	43 W	30 W

Order Code	Full Product Name	Lamp		Power
		Current (Nom)	Wattage Equivalent	(Rated) (Nom)
924058617161	MASTERLine 111 45W G53 12V 8D 1CT/6	3.8 A	65 W	45.0 W

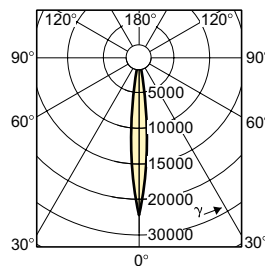
General Information

Order Code	Full Product Name	Philips Code
924058417161	MASTERLine 111 30W G53 12V 8D 1CT/6	14736

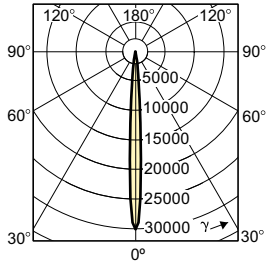
Order Code	Full Product Name	Philips Code
924058617161	MASTERLine 111 45W G53 12V 8D 1CT/6	14738

Light Technical

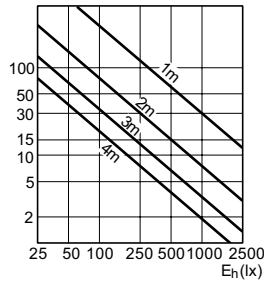
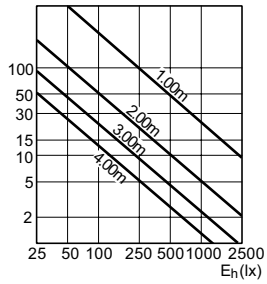
Order Code	Full Product Name	Luminous Flux (Rated) (Nom)	Luminous Intensity (Max)
924058417161	MASTERLine 111 30W G53 12V 8D 1CT/6	325 lm	23000 cd
924058617161	MASTERLine 111 45W G53 12V 8D 1CT/6	540 lm	30000 cd



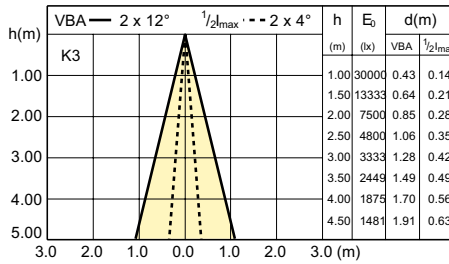
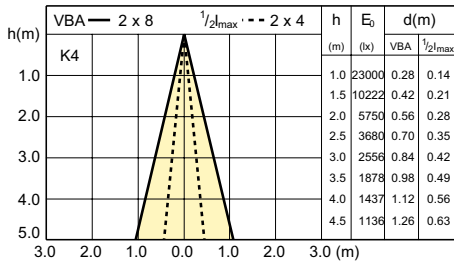
MASTERLine 111



Accent Diagrams



Beam Diagrams



LDBE_HML111_30W_8D-Beam diagram

LDBE_HML111_45W_8D-Beam diagram

