



# 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

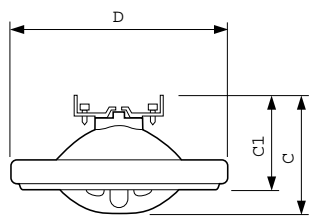
- Excellent light source for general lighting and especially creative accent lighting in shops, restaurants, hotels, and especially for galleries, exhibitions and museums

MASTERLine 111

Versions



Dimensional drawing



Product	D (max)	C (max)	C1 (max)
MASTERLine 111 30W G53 12V 24D 1CT/6	111 mm	67 mm	51 mm
MASTERLine 111 45W G53 12V 24D 1CT/6	111 mm	67 mm	51 mm
MASTERLine 111 45W G53 12V 45D 1CT/6	111 mm	67 mm	51 mm

# MASTERLine 111

<b>Approval and Application</b>	
Energy Efficiency Label (EEL)	B
<b>Controls and Dimming</b>	
Dimmable	yes
<b>Operating and Electrical</b>	
Voltage (Nom)	12 V
Starting Time (Nom)	0.0 s
Warm Up Time To 60% Light (Nom)	instant full light
<b>General Information</b>	
Cap-Base	G53
Nominal Lifetime (Nom)	4000 h
Operating Position	UNIVERSAL
Rated Lifetime (Hours)	4000 h
Switching Cycle	16000X
<b>Luminaire Design Requirements</b>	
Bulb Temperature (Max)	900 °C
<b>Light Technical</b>	
Correlated Colour Temperature (Nom)	3000 K
Colour Rendering Index (Nom)	100
Llmf At End Of Nominal Lifetime (Min)	80 %
<b>Mechanical and Housing</b>	
Bulb Shape	R111

## Approval and Application

Order Code	Full Product Name	Energy Consumption kWh/1000 h
924058517161	MASTERLine 111 30W G53 12V 24D 1CT/6	32 kWh
924058717161	MASTERLine 111 45W G53 12V 24D 1CT/6	48 kWh
924058817161	MASTERLine 111 45W G53 12V 45D 1CT/6	48 kWh

## Operating and Electrical

Order Code	Full Product Name	Lamp Current (Nom)	Wattage Equivalent	Power (Rated) (Nom)
924058517161	MASTERLine 111 30W G53 12V 24D 1CT/6	2.5 A	50 W	30.0 W
924058717161	MASTERLine 111 45W G53 12V 24D 1CT/6	3.8 A	75 W	45.0 W

Order Code	Full Product Name	Lamp Current (Nom)	Wattage Equivalent	Power (Rated) (Nom)
924058817161	MASTERLine 111 45W G53 12V 45D 1CT/6	3.8 A	75 W	45.0 W

## General Information

Order Code	Full Product Name	Philips Code
924058517161	MASTERLine 111 30W G53 12V 24D 1CT/6	14737
924058717161	MASTERLine 111 45W G53 12V 24D 1CT/6	14739

Order Code	Full Product Name	Philips Code
924058817161	MASTERLine 111 45W G53 12V 45D 1CT/6	14740

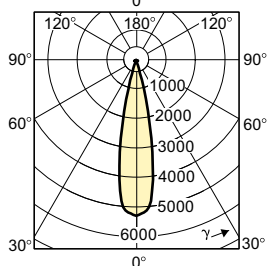
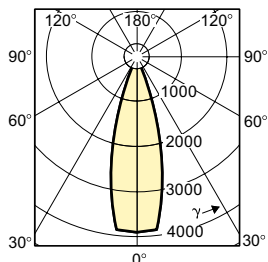
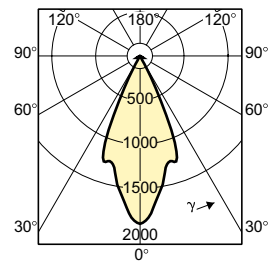
## Light Technical

Order Code	Full Product Name	Beam Angle (Nom)	Luminous Flux (Rated) (Nom)	Luminous Intensity (Max)	Rated Beam Angle
924058517161	MASTERLine 111 30W G53 12V 24D 1CT/6	24 °	390 lm	3600 cd	24 °

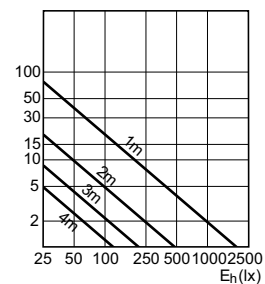
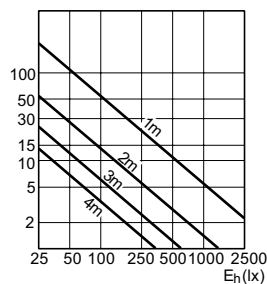
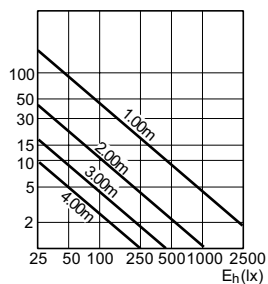
Order Code	Full Product Name	Beam Angle (Nom)	Luminous Flux (Rated) (Nom)	Luminous Intensity (Max)	Rated Beam Angle
924058717161	MASTERLine 111 45W G53 12V 24D 1CT/6	24 °	640 lm	5300 cd	24 °

# MASTERLine 111

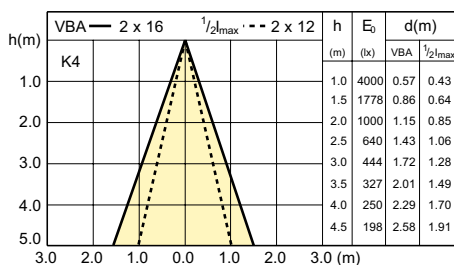
Order Code	Full Product Name	Beam Angle (Nom)	Luminous Flux (Rated) (Nom)	Luminous Intensity (Max)	Rated Beam Angle
924058817161	MASTERLine 111 45W	45 °	640 lm	1800 cd	45 °
G53 12V 45D 1CT/6					



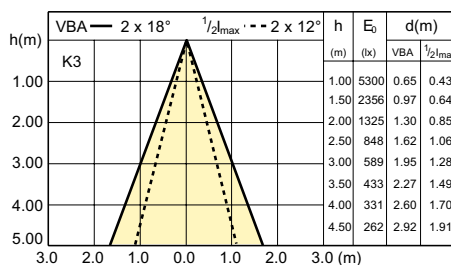
## Accent Diagrams



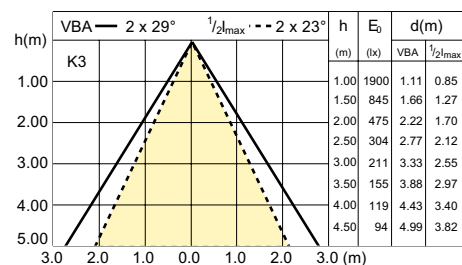
## Beam Diagrams



LDBE\_HML111\_30W\_24D-Beam diagram



LDBE\_HML111\_45W\_24D-Beam diagram



LDBE\_HML111\_45W\_45D-Beam diagram

