



# 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 the 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

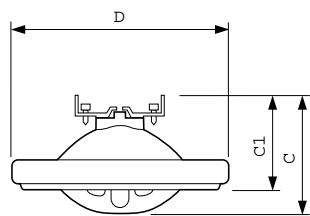
# MASTERLine 111

## Versions



G53, R111

## Dimensional drawing



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

# MASTERLine 111

## Approval and Application

Energy Efficiency Label (EEL) B

## Controls and Dimming

Dimmable Yes

## 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

## Light Technical

Beam Angle (Nom) 24 °  
Correlated Color Temperature (Nom) 3000 K  
Color Rendering Index (Nom) 100  
Llmf At End Of Nominal Lifetime (Min) 80 %  
Rated Beam Angle 24 °

## Mechanical and Housing

Bulb Shape R111

## Approval and Application

Order Code	Full Product Name	Energy Consumption kWh/1000 h
41103710	MASTERLine 111 30W G53 12V 24D 1CT/6	32 kWh
41107510	MASTERLINE 111 45W G53 12V 24D 1CT/6	48 kWh

## Operating and Electrical

Order Code	Full Product Name	Lamp Current (Nom)	Wattage Equivalent	Power (Rated) (Nom)
41103710	MASTERLine 111 30W G53 12V 24D 1CT/6	2.5 A	50 W	30.0 W

Order Code	Full Product Name	Lamp Current (Nom)	Wattage Equivalent	Power (Rated) (Nom)
41107510	MASTERLINE 111 45W G53 12V 24D 1CT/6	3.8 A	75 W	45.0 W

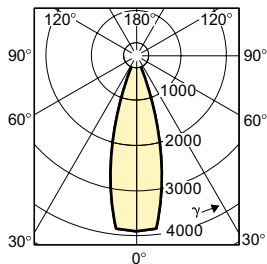
## General Information

Order Code	Full Product Name	Philips Code
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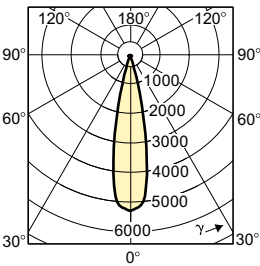
Order Code	Full Product Name	Philips Code
41107510	MASTERLINE 111 45W G53 12V 24D 1CT/6	14739

## Light Technical

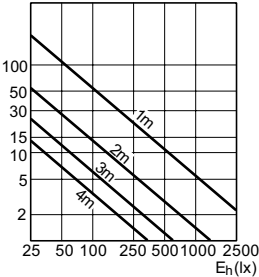
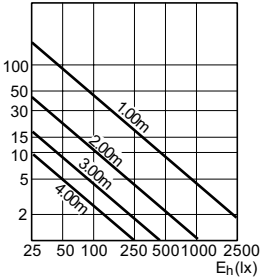
Order Code	Full Product Name	Luminous Flux (Rated) (Nom)	Luminous Intensity (Max)
41103710	MASTERLine 111 30W G53 12V 24D 1CT/6	390 lm	3600 cd
41107510	MASTERLINE 111 45W G53 12V 24D 1CT/6	640 lm	5300 cd



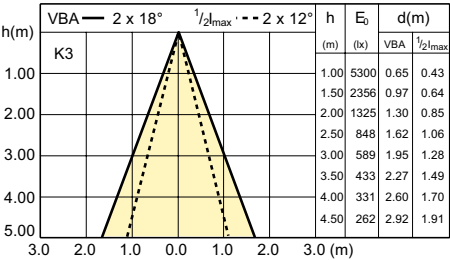
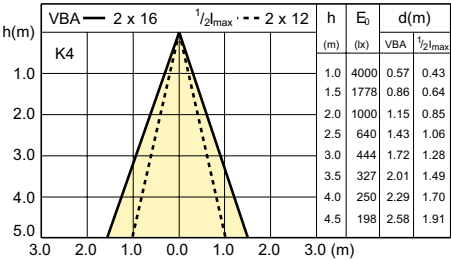
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Accent Diagrams



Beam Diagrams



LDBE\_HML111\_30W\_24D-Beam diagram

LDBE\_HML111\_45W\_24D-Beam diagram

