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Spot of crisp white light from modern-looking aluminum reflector

Low-voltage halogen burner with very high energy efficiency and long lifetime thanks to IRR coating in decorative aluminum reflector equipped with ceramic anti-glare cap. Ideal solution for high-end modern luminaires, putting your objects in the spotlight. Aluminum coating prevents heat in the backlight.

Benefits

- Bright, sparkling halogen light to put your objects in the spotlight
- Fully dimmable, from 0 to 100%, to meet different brightness requirements
- Lowest replacement cost due to extra-long lifetime

Features

- Superior quality of light with excellent color rendering ($R_a = 100$)
- Low-pressure technology with UV-block glass allows use in luminaires without front glass
- Unique infra-red coated burner technology
- Lifetime: 4,000 hours
- Instant start

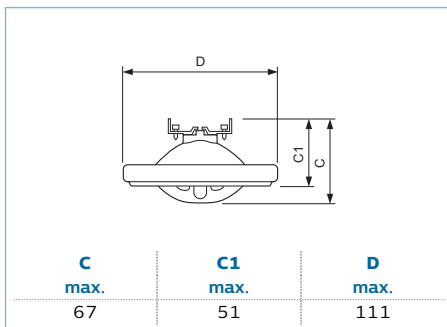
Environment

- Excellent environmental choice because of high energy efficiency and long reliable life
- This product is a Philips Green Flagship

Application

- Spot accent lighting to create the right ambiance in hotels, restaurants and shops

Dimension Drawing





Product Range



Main Data

MASTERLine 111

Wattage	Cap-Base		SAP Packing (Piece)/Packaging configuration	Luminous Intensity (cd [max.])		Ordering number 8711500...
30W	G53	8D	CT / 6	23,000	C	41101310
30W	G53	24D	CT / 6	3,600	B	41103710
45W	G53	8D	CT / 6	30,000	C	41105110
45W	G53	24D	CT / 6	5,300	B	41107510
45W	G53	45D	CT / 6	1,800	B	41109910



Electrical data

Commercial product name	Lamp Current (A)	Power Factor	Lamp power (W)	Wattage Equivalent (W)	Voltage (V)	Warm Up Time to 60% Light (sec.)
MASTERLine 111 30W G53 12V 8D 1CT/6	2.5	1	30	43	12	instant full light
MASTERLine 111 30W G53 12V 24D 1CT/6	2.5	1	30	50	12	instant full light
MASTERLine 111 45W G53 12V 8D 1CT/6	3.8	1	45	65	12	instant full light
MASTERLine 111 45W G53 12V 24D 1CT/6	3.8	1	45	75	12	instant full light
MASTERLine 111 45W G53 12V 45D 1CT/6	3.8	1	45	75	12	instant full light

Lifetime data

Commercial product name	Rated Lifetime (h)	Rated Lifetime (Years) (Years)	Nominal Lifetime (h)
MASTERLine 111 30W G53 12V 8D 1CT/6	4,000	4	4,000
MASTERLine 111 30W G53 12V 24D 1CT/6	4,000	4	4,000
MASTERLine 111 45W G53 12V 8D 1CT/6	4,000	4	4,000
MASTERLine 111 45W G53 12V 24D 1CT/6	4,000	4	4,000
MASTERLine 111 45W G53 12V 45D 1CT/6	4,000	4	4,000

Color data

Commercial product name	Colour Rendering Index
MASTERLine 111 30W G53 12V 8D 1CT/6	100
MASTERLine 111 30W G53 12V 24D 1CT/6	100
MASTERLine 111 45W G53 12V 8D 1CT/6	100
MASTERLine 111 45W G53 12V 24D 1CT/6	100
MASTERLine 111 45W G53 12V 45D 1CT/6	100


Luminous flux/efficacy/intensity data

Commercial product name	Luminous Flux (Rated) (lm)	Luminous Flux in 90° Cone (Rated) (lm)
MASTERLine 111 30W G53 12V 8D 1CT/6	325	325
MASTERLine 111 30W G53 12V 24D 1CT/6	390	390
MASTERLine 111 45W G53 12V 8D 1CT/6	540	540
MASTERLine 111 45W G53 12V 24D 1CT/6	640	640
MASTERLine 111 45W G53 12V 45D 1CT/6	640	640

Temperature data

Commercial product name	Correlated Color Temperature (K)	Bulb Temperature (°C [max.])	Cap - Base Temperature (°C [max.])
MASTERLine 111 30W G53 12V 8D 1CT/6	3,000	900	350
MASTERLine 111 30W G53 12V 24D 1CT/6	3,000	900	350
MASTERLine 111 45W G53 12V 8D 1CT/6	3,000	900	350
MASTERLine 111 45W G53 12V 24D 1CT/6	3,000	900	350
MASTERLine 111 45W G53 12V 45D 1CT/6	3,000	900	350



Environmental data & ETIM group & Design Requirements

Commercial product name	Energy Consumption kWh/1000 h (kWh)		ETIM Group ¹
MASTERLine 111 30W G53 12V 8D 1CT/6	32	C	EC000258
MASTERLine 111 30W G53 12V 24D 1CT/6	32	B	EC000258
MASTERLine 111 45W G53 12V 8D 1CT/6	48	C	EC000258
MASTERLine 111 45W G53 12V 24D 1CT/6	48	B	EC000258
MASTERLine 111 45W G53 12V 45D 1CT/6	48	B	EC000258

¹ 'ETIM Group' value description(s): 'EC000258' = LV Halogen Lamp with Reflector




Operating data

Commercial product name	 2	Power Factor	Switching Cycle	
MASTERLine 111 30W G53 12V 8D 1CT/6	UNIVERSAL	1	16000X	Yes
MASTERLine 111 30W G53 12V 24D 1CT/6	UNIVERSAL	1	16000X	Yes
MASTERLine 111 45W G53 12V 8D 1CT/6	UNIVERSAL	1	16000X	Yes
MASTERLine 111 45W G53 12V 24D 1CT/6	UNIVERSAL	1	16000X	Yes
MASTERLine 111 45W G53 12V 45D 1CT/6	UNIVERSAL	1	16000X	Yes

²  value description(s): 'UNIVERSAL' = Any or Universal (U)

Miscellaneous & General data

Commercial product name	Bulb Shape ³	Cap-Base	
MASTERLine 111 30W G53 12V 8D 1CT/6	R111	G53	8
MASTERLine 111 30W G53 12V 24D 1CT/6	R111	G53	24
MASTERLine 111 45W G53 12V 8D 1CT/6	R111	G53	8
MASTERLine 111 45W G53 12V 24D 1CT/6	R111	G53	24
MASTERLine 111 45W G53 12V 45D 1CT/6	R111	G53	45

³ 'Bulb Shape' value description(s): 'R111' = R 111mm

Logistic data

Commercial product name	SAP Packing (Piece)/Packaging configuration ⁴	Numerator - Packs per outer box	Ordering number 8711500...	Material Nr. (12NC) (9240...)	SAP Gross Weight (Piece) (g)	Net Weight (Piece) (g)	EAN-3 8711500...
MASTERLine 111 30W G53 12V 8D 1CT/6	CT / 6	6	41101310	58417161	98	54	437310
MASTERLine 111 30W G53 12V 24D 1CT/6	CT / 6	6	41103710	58517161	98	54	437327
MASTERLine 111 45W G53 12V 8D 1CT/6	CT / 6	6	41105110	58617161	98	54	437334
MASTERLine 111 45W G53 12V 24D 1CT/6	CT / 6	6	41107510	58717161	98	54	437341
MASTERLine 111 45W G53 12V 45D 1CT/6	CT / 6	6	41109910	58817161	98	54	437358

⁴ 'SAP Packing (Piece)/Packaging configuration' value description(s): 'CT / 6' = CARTON

Cap-Base Overview

