



Product Description

MASTERLine ES

MASTER dichroic coated low-voltage halogen reflector lamp with EcoBoost technology
Most energy-efficient dichroic lamp on the market

Benefits

- Lowest possible energy and maintenance costs while maintaining light levels. Lowest possible heat production
- Designed to replace standard and high end dichroic reflector lamps leading to savings in energy costs of up to 40% compared to standard dichroics
- Increased comfort and (where applicable) lower cooling costs because of up to 40% lower heat transmission
- Up to 66% more lifetime compared to standard conventional halogen dichroics (5000 hours)
- Lowest UV output for a dichroic lamp reduces fading risks to absolute minimum

Features

- Unique Philips patented infrared-coated single-ended burner by using EcoBoost technology with 40% higher efficiency than standard products
- Heat-reflecting coating on the inner lamp burner reflects waste heat back to the filament so less energy is needed to operate the lamp
- Revolutionary compact and precision-shaped single-ended burner and high-performance coating for maximum lamp performance
- Bright, sparkling white halogen light
- Excellent colour rendering
- Extreme long average rated life
- GU5.3 base for extra retention in luminaire
- Complex reflector design for excellent beam performance
- Range of energy saving wattages designed to replace the higher standard wattages

Application

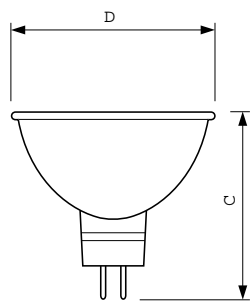
- Accent and general lighting applications in homes, shops, hotels and restaurants, where energy efficiency and low maintenance are important and especially in art galleries, museums and exhibitions

MASTERLine ES

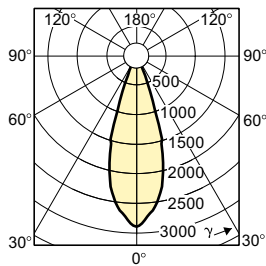
Versions



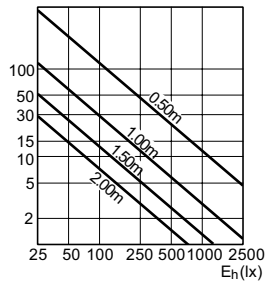
Dimensional drawing



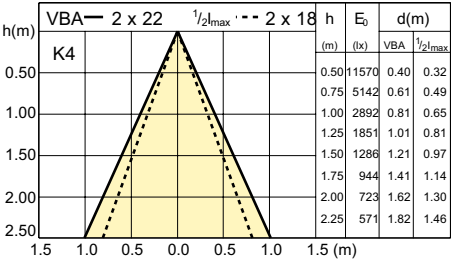
Product	D (max)	C1 (max)
MASTERLine ES 45W GU5.3 12V 36D 1CT/4X5F	51 mm	50.5 mm



Accent Diagrams



Beam Diagrams



LDBE_HMLES_45W_36D-Beam diagram

