



# MASTERLine ES

MASTERLine ES 20W GU5.3 12V 36D 1CT

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

## Product data

### • General Characteristics

|                        |                     |
|------------------------|---------------------|
| Philips Code           | 18133               |
| Cap-Base               | GU5.3               |
| Bulb                   | MR16 [2inch/50mm]   |
| Burning Position       | any [Any/Universal] |
| Life to 50% failures   | 5000 hr             |
| Nominal Lifetime       | 5000 hr             |
| Rated Lifetime         | 5000 hr             |
| Rated Lifetime (years) | 5 an                |

### • Light Technical Characteristics

|                              |               |
|------------------------------|---------------|
| Beam Angle                   | 36 D          |
| Technical Beam Angle         | 36 D          |
| Luminous Intensity           | 1000 (max) cd |
| Colour Rendering Index       | 100 Ra8       |
| Colour Temperature           | 3000 K        |
| Colour Temperature Technical | 3000 K        |
| Rated Luminous Flux          | 300 Lm        |
| LLMF - end nominal lifetime  | 80 (min) %    |
| Rated Beam Angle             | 36 D          |
| Luminous flux in 90° cone    | 300 Lm        |

### • Electrical Characteristics

|                      |        |
|----------------------|--------|
| Rated Wattage        | 20.0 W |
| Lamp Wattage         | 20 W   |
| Technical Lamp Power | 20 W   |
| Power Factor         | 1 -    |
| Voltage              | 12 V   |

|                                |                    |
|--------------------------------|--------------------|
| Lamp Current                   | 2 A                |
| Dimmable                       | yes                |
| Wattage Equivalent             | 35 W               |
| Starting Time                  | 0.0 s              |
| Warm-up Time to 60% Light Outp | instant full light |

### • Environmental Characteristics

|                               |        |
|-------------------------------|--------|
| Energy Efficiency Label (EEL) | B      |
| Energy consumption kWh/1000h  | 21 kWh |

### • Measuring Conditions

|                 |        |
|-----------------|--------|
| Switching cycle | 20000X |
|-----------------|--------|

### • Luminaire Design Requirements

|                      |             |
|----------------------|-------------|
| Cap-Base Temperature | 350 (max) C |
| Bulb Temperature     | 250 (max) C |

### • Product Dimensions

|                       |               |
|-----------------------|---------------|
| Overall Length C      | 46 (max) mm   |
| Overall Length Rim C1 | 50.5 (max) mm |
| Diameter D            | 51 (max) mm   |

### • Product Data

|                   |                                     |
|-------------------|-------------------------------------|
| Order code        | 413673 71                           |
| Full product code | 871150041367371                     |
| Full product name | MASTERLine ES 20W GU5.3 12V 36D 1CT |



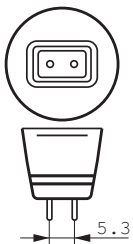
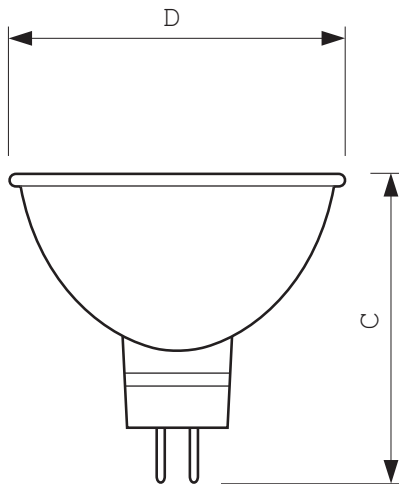
asimpleswitch.com

# PHILIPS

Order product name MASTERL ES 20W GU5.3 12V 36D  
 1CT/4X5F  
 Pieces per pack 1  
 Packing configuration 4X5F  
 Packs per outerbox 20  
 Bar code on pack - EAN1 8711500413673  
 Bar code on intermediate packing - EAN2 8711500413680

Bar code on outerbox - EAN3 8711500409980  
 Logistic code(s) - 12NC 924895017101  
 ILCOS code HRGS-20-12-GU5.3-50/36  
 Net weight per piece 30.000 gr

## Dimensional drawing



GU5.3

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| Product                            | C1 (Max) | D (Max) |
|------------------------------------|----------|---------|
| MILES 18133 20W GU5.3 12V MR16 36D | 50.5     | 51      |



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2014, March 31  
 data subject to change