

Product Description

MASTERCapsule

MASTERCapsule with EcoBoost technology: halogen capsule, 40% more energy saving than standard capsule

Benefits

- Retrofit replacement for standard halogen capsules
- High energy savings
- Lower replacement costs due to longer burning hours
- Bright, sparkling white halogen light with excellent colour rendering
- Supports a green environment
- Excellent beam performance
- Lower cost of ownership compared with standard halogen capsule

Features

- Unique Philips patented EcoBoost single-ended burner: 40% higher efficiency than standard products
- GY6.35 lamp base with single-ended low-pressure burner
- Small size
- Average lifetime up to 4x longer than standard capsule
- Low-voltage halogen light quality: sparkling, crisp light
- Dimmable
- No mercury content
- High-performance coating for high efficiency
- Complete range equipped with Philips EcoBoost technology

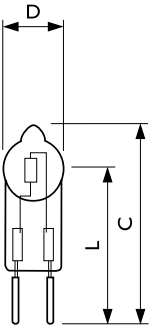
Application

- Replacement for standard capsules in most professional and semi-professional applications
- Indoor lighting (e.g. hotels, restaurants, offices)
- Enclosed fixtures required for outdoor applications

Versions



Dimensional drawing



Product	D (max)	L	C (max)
MASTERCapsule 45W GY6.35 12V IR 1CT/5X10F	12 mm	30 mm	44 mm
MASTERCapsule 30W GY6.35 12V IR 1CT/5X10F	12 mm	30 mm	44 mm

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	GY6.35
Nominal Lifetime (Nom)	4000 h
Operating Position	UNIVERSAL
Philips Code	18161
Rated Lifetime (Hours)	4000 h
Switching Cycle	16000X
Luminaire Design Requirements	
Bulb Temperature (Max)	900 °C
Light Technical	
Correlated Colour Temperature (Nom)	3000 K
Colour Rendering Index (Nom)	100
Lmf At End Of Nominal Lifetime (Min)	80 %
Mechanical and Housing	
Bulb Finish	IR Coated
Bulb Shape	T11

Approval and Application

Order Code	Full Product Name	Energy Consumption kWh/1000 h
20354770	MASTERCAPS 30W GY6.35 12V IR 1CT/5X10F	32 kWh
20355470	MASTERCAPS 45W GY6.35 12V IR 1CT/5X10F	48 kWh

Operating and Electrical

Order Code	Full Product Name	Lamp Current (Nom)	Wattage Equivalent	Power (Rated) (Nom)
20354770	MASTERCAPS 30W GY6.35 12V IR 1CT/5X10F	2.5 A	50 W	30.0 W

Order Code	Full Product Name	Lamp Current (Nom)	Wattage Equivalent	Power (Rated) (Nom)
20355470	MASTERCAPS 45W GY6.35 12V IR 1CT/5X10F	3.75 A	75 W	45.0 W

Light Technical

Order Code	Full Product Name	Luminous Efficacy (rated) (Nom)	Luminous Flux (Nom)	Luminous Flux (Rated) (Nom)
20354770	MASTERCAPS 30W GY6.35 12V IR 1CT/5X10F	23 lm/W	750 lm	750 lm

Order Code	Full Product Name	Luminous Efficacy (rated) (Nom)	Luminous Flux (Nom)	Luminous Flux (Rated) (Nom)
20355470	MASTERCAPS 45W GY6.35 12V IR 1CT/5X10F	24 lm/W	1250 lm	1250 lm

