

led Φ 16^{GU5.3}

The environmentally friendly illuminant



Light of the Future: 86 % CO₂ & Energy - saving!



led Φ 16^{GU5.3} is the innovative detachment for conventional halogen lamps.

The considerable energy saving leads to a significant protection of the environment by a reduction of the resulting CO₂ production.

Just substitute halogen with LED

- Φ Your light design remains unchanged
- Φ Your light effect does not change
- Φ Your technique works like till now
- Φ Your energy costs go down
- Φ Our environment is spared



Advantage over led Φ 16^{GU5.3}

- Φ Made in Germany
- Φ Dimmable lamp (optional)
- Φ Reduced energy requirement
- Φ Extremely high lifetime
- Φ Constant colour temperature also at dimming
- Φ Gild contacts

The new light.

Φ ledphi.com

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Example for economy & environmental protection:

	Sales ambient light 12 h./day / 300 day/year	Costs/ year (0.21 €/kWh)*	CO ₂ / year 1 kWh = 0.42kg
Halogen 35 Watt	35 W x 12 x 300 = 126 kWh	26,46 €	52,92
LED 5 Watt	5 W x 12 x 300 = 18 kWh	3,78 €	7,56
Halogen 20 Watt	20 W x 12 x 300 = 72 kWh	15,12 €	30,24
LED 2,8 Watt	2,8 W x 12 x 300 = 10,08 kWh	2,12 €	4,23

* average price in Germany

ledφ16^{GU5.3} is linear dimmable and gives over the complete dimming area a constant light colour.

ledφ16^{GU5.3} is compatible to every Halogen MR16 systems.

ledφ16^{GU5.3} uses fully the physical advantages of light diodes technology: by the consumption of 2.8W lighting characteristics of usual halogen lamp of 20W

are achieved, ledφ16^{GU5.3} of 5W corresponds to halogen lamp of 35Watt.



Part number Info

dimmmable:

- 02-1090-D2 2,8 W neutral white
- 02-1090-D3 2,8 W warm white

not dimmmable:

- 02-1090-02 2,8 W neutral white
- 02-1090-03 2,8 W warm white

dimmmable:

- 02-4090-D2 5,0 W neutral white
- 02-4090-D3 5,0 W warm white

not dimmmable:

- 02-4090-02 5,0 W neutral white
- 02-4090-03 5,0 W warm white

 ledphi.com

www.ledphi.com
0800 - 533 744 1
info@ledphi.com