



Combining superior high lumen, design & performance

Tornado High Lumen

Energy saving lamp in spiral shape, with superior performance (long life, high switching) and high lumen warm bright light. Perfectly suitable to be used in places where high lumen is required, and the lamp is directly visible.

Benefits

- Simple installation – no ballast needed
- Save your money with long life-time
- Perfect energy-saving solution for mercury lamps replacement

Features

- Long-Life and Energy saving alternative to Incandescent lamps
- Suitable for frequent switching
- Flawless ignition at -10°C and up
- Ambient temperature range to ensure almost constant light output: 0 - 50°C

Application

- Designed primarily for professional applications (hotels, restaurants, shops), ideally high-bay type indoor applications; not suitable for household room illumination
- Enclosed fixtures required for outdoor applications
- Not suitable for use with dimmers or electronic gear

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Warnings and Safety

- Breaking a lamp is extremely unlikely to have any impact on your health. If a lamp breaks, ventilate the room for 30 minutes and remove the parts, preferably with gloves. Put them in a closed plastic bag and take it to your local waste facilities for recycling. Do not use a vacuum cleaner.
- Compact fluorescent lamps have to be treated as special waste, they must be taken to your local waste facilities for recycling. The European Lighting Industry has set up an infrastructure, capable of recycling mercury, other metals, glass etc.

Versions



45.0 W;E27 ;Spiral



65.0 W;E27 ;Spiral



80.0 W;E40 ;Spiral



Dimensional drawing



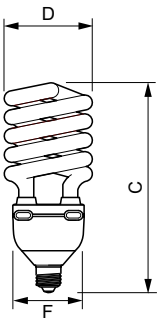
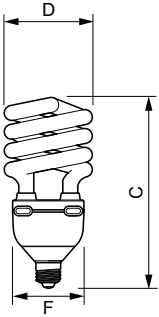
| Product | D (max) | C (max) | F (max) |
|--|---------|---------|---------|
| EHL TWISTER 45W 865 E27 220-240V 1CT/6 | 98 mm | 210 mm | 80.3 mm |



| Product | C (max) | F (max) | D (max) |
|--------------------------------------|---------|---------|---------|
| Tornado High Lumen 75W CDL E40 1CT/6 | 293 mm | 88.1 mm | 102 mm |
| Tornado High Lumen 75W WW E40 1CT/6 | 293 mm | 88.1 mm | 102 mm |

Tornado High Lumen

Dimensional drawing



| Product | C (max) | F (max) | D (max) |
|--------------------------------------|---------|---------|---------|
| Tornado High Lumen 45W WW E27 1CT/6 | 244 mm | 88.1 mm | 102 mm |
| Tornado High Lumen 45W CDL E27 1CT/6 | 244 mm | 88.1 mm | 102 mm |

| Product | C (max) | F (max) | D (max) |
|--------------------------------------|---------|---------|---------|
| Tornado High Lumen 60W WW E27 1CT/6 | 262 mm | 88.1 mm | 102 mm |
| Tornado High Lumen 60W CDL E27 1CT/6 | 262 mm | 88.1 mm | 102 mm |

Approval and Application

Energy Efficiency Label (EEL) A

Controls and Dimming

Dimmable No

Operating and Electrical

Input Frequency 50 or 60 Hz

Voltage (Nom) 220-240 V

Starting Time (Nom) 1.5 s

General Information

Nominal Lifetime (Nom) 10000 h

Rated Lifetime (Hours) 10000 h

Switching Cycle 10000X

Light Technical

Color Rendering Index (Nom) 80

Mechanical and Housing

Bulb Shape Spiral

Approval and Application

| Order Code | Full Product Name | Energy Consumption kWh/1000 h | Mercury (Hg) Content (Max) |
|--------------|--|-------------------------------|----------------------------|
| 929676005701 | Tornado High Lumen 45W WW E27 1CT/6 | 45 kWh | 3.5 mg |
| 929676005901 | Tornado High Lumen 45W CDL E27 1CT/6 | 45 kWh | 3.5 mg |
| 929676006001 | Tornado High Lumen 60W WW E27 1CT/6 | 60 kWh | 5 mg |
| 929676006201 | Tornado High Lumen 60W CDL E27 1CT/6 | 60 kWh | 5 mg |
| 929676006301 | Tornado High Lumen 75W WW E40 1CT/6 | 75 kWh | 5 mg |
| 929676006501 | Tornado High Lumen 75W CDL E40 1CT/6 | 75 kWh | 5 mg |
| 929676011205 | EHL TWISTER 45W 865 E27 220-240V 1CT/6 | 45 kWh | 3.5 mg |

Operating and Electrical

Tornado High Lumen

| Order Code | Full Product Name | Lamp Current (Nom) | Power (Rated) (Nom) | Warm | |
|--------------|--------------------------------------|--------------------|---------------------|---------------------------------|----------------------------|
| | | | | Warm Up Time To 60% Light (Max) | Up Time To 60% Light (Min) |
| 929676005701 | Tornado High Lumen 45W WW E27 1CT/6 | 190 mA | 45.0 W | 60 s | - |
| 929676005901 | Tornado High Lumen 45W CDL E27 1CT/6 | 190 mA | 45.0 W | 60 s | - |
| 929676006001 | Tornado High Lumen 60W WW E27 1CT/6 | 270 mA | 60.0 W | 60 s | - |
| 929676006201 | Tornado High Lumen 60W CDL E27 1CT/6 | 270 mA | 60.0 W | 60 s | - |

| Order Code | Full Product Name | Lamp Current (Nom) | Power (Rated) (Nom) | Warm | |
|--------------|--|--------------------|---------------------|---------------------------------|----------------------------|
| | | | | Warm Up Time To 60% Light (Max) | Up Time To 60% Light (Min) |
| 929676006301 | Tornado High Lumen 75W WW E40 1CT/6 | 350 mA | 75.0 W | 60 s | - |
| 929676006501 | Tornado High Lumen 75W CDL E40 1CT/6 | 350 mA | 75.0 W | 60 s | - |
| 929676011205 | EHL TWISTER 45W 865 E27 220-240V 1CT/6 | 190 mA | 45.0 W | 40 s | 5 s |

General Information

| Order Code | Full Product Name | Cap-Base |
|--------------|--------------------------------------|----------|
| 929676005701 | Tornado High Lumen 45W WW E27 1CT/6 | E27 |
| 929676005901 | Tornado High Lumen 45W CDL E27 1CT/6 | E27 |
| 929676006001 | Tornado High Lumen 60W WW E27 1CT/6 | E27 |
| 929676006201 | Tornado High Lumen 60W CDL E27 1CT/6 | E27 |

| Order Code | Full Product Name | Cap-Base |
|--------------|--|----------|
| 929676006301 | Tornado High Lumen 75W WW E40 1CT/6 | E40 |
| 929676006501 | Tornado High Lumen 75W CDL E40 1CT/6 | E40 |
| 929676011205 | EHL TWISTER 45W 865 E27 220-240V 1CT/6 | E27 |

Light Technical (1/2)

| Order Code | Full Product Name | Chromaticity | | Color | |
|--------------|--------------------------------------|--------------------|--------------------|-------|-----------------|
| | | Coordinate X (Nom) | Coordinate Y (Nom) | Code | Designation |
| 929676005701 | Tornado High Lumen 45W WW E27 1CT/6 | 463 | 420 | 827 | Warm White (WW) |
| 929676005901 | Tornado High Lumen 45W CDL E27 1CT/6 | 313 | 337 | 865 | Cool Daylight |
| 929676006001 | Tornado High Lumen 60W WW E27 1CT/6 | 463 | 420 | 827 | Warm White (WW) |
| 929676006201 | Tornado High Lumen 60W CDL E27 1CT/6 | 313 | 337 | 865 | Cool Daylight |

| Order Code | Full Product Name | Chromaticity | | Color | |
|--------------|--|--------------------|--------------------|-------|-----------------|
| | | Coordinate X (Nom) | Coordinate Y (Nom) | Code | Designation |
| 929676006301 | Tornado High Lumen 75W WW E40 1CT/6 | 463 | 420 | 827 | Warm White (WW) |
| 929676006501 | Tornado High Lumen 75W CDL E40 1CT/6 | 313 | 337 | 865 | Cool Daylight |
| 929676011205 | EHL TWISTER 45W 865 E27 220-240V 1CT/6 | 313 | 337 | 865 | Cool Daylight |

Light Technical (2/2)

| Order Code | Full Product Name | Correlated Color Temperature (Nom) | Llmf At End Of | | | | |
|--------------|--------------------------------------|------------------------------------|------------------------|--------------------------------|---------------------------------|---------------------|-----------------------------|
| | | | Nominal Lifetime (Nom) | Lumen Maintenance 2000 h (Nom) | Luminous Efficacy (rated) (Nom) | Luminous Flux (Nom) | Luminous Flux (Rated) (Nom) |
| 929676005701 | Tornado High Lumen 45W WW E27 1CT/6 | 2700 K | 60 % | 88 % | 68.38 lm/W | 3080 lm | 3080 lm |
| 929676005901 | Tornado High Lumen 45W CDL E27 1CT/6 | 6500 K | 60 % | 88 % | 68.38 lm/W | 3080 lm | 3080 lm |
| 929676006001 | Tornado High Lumen 60W WW E27 1CT/6 | 2700 K | 60 % | 88 % | 71.63 lm/W | 4300 lm | 4300 lm |

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| Order Code | Full Product Name | Correlated Color Temperature (Nom) | Lmf At End Of | | Luminous Efficacy (rated) (Nom) | Luminous Flux (Nom) | Luminous Flux (Rated) (Nom) |
|--------------|---|------------------------------------|------------------------|--------------------------------|---------------------------------|---------------------|-----------------------------|
| | | | Nominal Lifetime (Nom) | Lumen Maintenance 2000 h (Nom) | | | |
| 929676006201 | Tornado High Lumen 60W CDL E27 1CT/6 | 6500 K | 60 % | 88 % | 71.63 lm/W | 4300 lm | 4300 lm |
| 929676006301 | Tornado High Lumen 75W WW E40 1CT/6 | 2700 K | 60 % | 88 % | 73.96 lm/W | 5550 lm | 5550 lm |
| 929676006501 | Tornado High Lumen 75W CDL E40 1CT/6 | 6500 K | 60 % | 88 % | 73.96 lm/W | 5550 lm | 5550 lm |
| 929676011205 | EHL TWISTER 45W 865 E27 220-240V 1CT/6 | 6500 K | 65 % | 85 % | 63 lm/W | 2735 lm | 2735 lm |

