



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

Tornado High Lumen

Versions



45.0 W;E27 ;Spiral

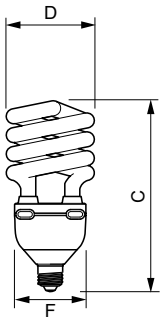
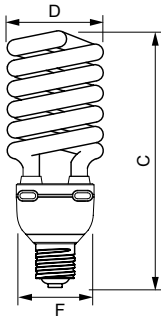
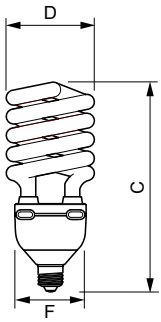


65.0 W;E27 ;Spiral



80.0 W;E40 ;Spiral

Dimensional drawing



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

| 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 |

Tornado High Lumen

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 |
| Warm Up Time To 60% Light (Max) | 60 s |

General Information

| | |
|------------------------|---------|
| Nominal Lifetime (Nom) | 10000 h |
| Rated Lifetime (Hours) | 10000 h |
| Switching Cycle | 10000X |

Light Technical

| | |
|---------------------------------------|------|
| Color Rendering Index (Nom) | 80 |
| Llmf At End Of Nominal Lifetime (Nom) | 60 % |
| Lumen Maintenance 2000 h (Nom) | 88 % |

Mechanical and Housing

| | |
|------------|--------|
| Bulb Shape | Spiral |
|------------|--------|

Approval and Application

| Order Code | Full Product Name | Energy Consumption kWh/ 1000 h | Mercury (Hg) Content (Max) |
|------------|--------------------------------------|-----------------------------------|-------------------------------|
| 80822300 | Tornado High Lumen 45W WW E27 1CT/6 | 45 kWh | 3.5 mg |
| 80719600 | Tornado High Lumen 45W CDL E27 1CT/6 | 45 kWh | 3.5 mg |
| 80824700 | Tornado High Lumen 60W WW E27 1CT/6 | 60 kWh | 5 mg |
| 80721900 | Tornado High Lumen 60W CDL E27 1CT/6 | 60 kWh | 5 mg |
| 80832200 | Tornado High Lumen 75W WW E40 1CT/6 | 75 kWh | 5 mg |
| 80723300 | Tornado High Lumen 75W CDL E40 1CT/6 | 75 kWh | 5 mg |

Operating and Electrical

| Order Code | Full Product Name | Lamp | | Power |
|------------|--------------------------------------|------------------|-----------------------|------------------|
| | | Current (Nom) | Wattage Equivalent | (Rated) (Nom) |
| 80822300 | Tornado High Lumen 45W WW E27 1CT/6 | 190 mA | 198 W | 45.0 W |
| 80719600 | Tornado High Lumen 45W CDL E27 1CT/6 | 190 mA | 198 W | 45.0 W |
| 80824700 | Tornado High Lumen 60W WW E27 1CT/6 | 270 mA | 270 W | 60.0 W |

| Order Code | Full Product Name | Lamp | | Power |
|------------|--------------------------------------|------------------|-----------------------|------------------|
| | | Current (Nom) | Wattage Equivalent | (Rated) (Nom) |
| 80721900 | Tornado High Lumen 60W CDL E27 1CT/6 | 270 mA | 270 W | 60.0 W |
| 80832200 | Tornado High Lumen 75W WW E40 1CT/6 | 350 mA | 340 W | 75.0 W |
| 80723300 | Tornado High Lumen 75W CDL E40 1CT/6 | 350 mA | 340 W | 75.0 W |

General Information

| Order Code | Full Product Name | Cap-Base |
|------------|--------------------------------------|----------|
| 80822300 | Tornado High Lumen 45W WW E27 1CT/6 | E27 |
| 80719600 | Tornado High Lumen 45W CDL E27 1CT/6 | E27 |
| 80824700 | Tornado High Lumen 60W WW E27 1CT/6 | E27 |

| Order Code | Full Product Name | Cap-Base |
|------------|--------------------------------------|----------|
| 80721900 | Tornado High Lumen 60W CDL E27 1CT/6 | E27 |
| 80832200 | Tornado High Lumen 75W WW E40 1CT/6 | E40 |
| 80723300 | Tornado High Lumen 75W CDL E40 1CT/6 | E40 |

Light Technical (1/2)

Tornado High Lumen

| Order Code | Full Product Name | Chromaticity | Chromaticity | Color | Color |
|------------|--------------------------------------|--------------------|--------------------|-------|-----------------|
| | | Coordinate X (Nom) | Coordinate Y (Nom) | Code | Designation |
| 80822300 | Tornado High Lumen 45W WW E27 1CT/6 | 463 | 420 | 827 | Warm White (WW) |
| 80719600 | Tornado High Lumen 45W CDL E27 1CT/6 | 313 | 337 | 865 | Cool Daylight |
| 80824700 | Tornado High Lumen 60W WW E27 1CT/6 | 463 | 420 | 827 | Warm White (WW) |

| Order Code | Full Product Name | Chromaticity | Chromaticity | Color | Color |
|------------|--------------------------------------|--------------------|--------------------|-------|-----------------|
| | | Coordinate X (Nom) | Coordinate Y (Nom) | Code | Designation |
| 80721900 | Tornado High Lumen 60W CDL E27 1CT/6 | 313 | 337 | 865 | Cool Daylight |
| 80832200 | Tornado High Lumen 75W WW E40 1CT/6 | 463 | 420 | 827 | Warm White (WW) |
| 80723300 | Tornado High Lumen 75W CDL E40 1CT/6 | 313 | 337 | 865 | Cool Daylight |

Light Technical (2/2)

| Order Code | Full Product Name | Correlated Color | Luminous Efficacy | Luminous Flux | Luminous Flux |
|------------|--------------------------------------|-------------------|-------------------|---------------------|---------------|
| | | Temperature (Nom) | (rated) (Nom) | Luminous Flux (Nom) | (Rated) (Nom) |
| 80822300 | Tornado High Lumen 45W WW E27 1CT/6 | 2700 K | 68.38 lm/W | 3080 lm | 3080 lm |
| 80719600 | Tornado High Lumen 45W CDL E27 1CT/6 | 6500 K | 68.38 lm/W | 3080 lm | 3080 lm |
| 80824700 | Tornado High Lumen 60W WW E27 1CT/6 | 2700 K | 71.63 lm/W | 4300 lm | 4300 lm |

| Order Code | Full Product Name | Correlated Color | Luminous Efficacy | Luminous Flux | Luminous Flux |
|------------|--------------------------------------|-------------------|-------------------|---------------------|---------------|
| | | Temperature (Nom) | (rated) (Nom) | Luminous Flux (Nom) | (Rated) (Nom) |
| 80721900 | Tornado High Lumen 60W CDL E27 1CT/6 | 6500 K | 71.63 lm/W | 4300 lm | 4300 lm |
| 80832200 | Tornado High Lumen 75W WW E40 1CT/6 | 2700 K | 73.96 lm/W | 5550 lm | 5550 lm |
| 80723300 | Tornado High Lumen 75W CDL E40 1CT/6 | 6500 K | 73.96 lm/W | 5550 lm | 5550 lm |

