



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



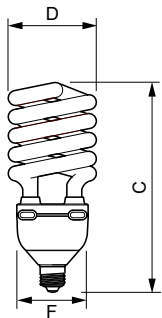
65.0 W;E27 ;Spiral



80.0 W;E40 ;Spiral



Dimensional drawing

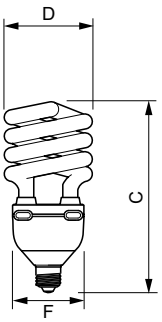


Product	D (max)	C (max)	F (max)
EHL TWISTER 45W 865 E27 220-240V 1CT/6	98 mm	210 mm	80.3 mm

Product	C (max)	F (max)	D (max)
Tornado High Lumen 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

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Dimensional drawing



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

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

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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

Tornado High Lumen

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

