



## LED T8 TUBE

### QET8 DATASHEET

The Energy Carbon Clean (ECC) QET8 LED T8 tube is designed to the highest standards and provide a bright light output, a genuine alternative to fluorescent tubes.

Our tubes use 70% less energy and have a lifespan of over three to four times longer than an equivalent fluorescent tube.

All our tubes are recyclable and conform to CE, RoHS and UL regulations.

#### APPLICATION AREAS

-  Education
-  Food retail
-  Healthcare
-  Hospitality
-  Industry
-  Office
-  Retail

#### FEATURES & BENEFITS

- No flicker
- No UV
- No glass
- No mercury
- No phosphor
- No maintenance for the life of the light
- 3 year QE Global warranty

#### ECA INFO

Our LED T8 tubes qualify for the Enhanced Capital Allowance (ECA) scheme. The Carbon Trust offer up to 4 year interest free loans to qualifying companies, meaning your organisation can claim back the tax on the purchase and installation in the tax year end. See [www.carbontrust.co.uk](http://www.carbontrust.co.uk) for more details.



## QET8 DATASHEET

### TECHNICAL SPEC

Electrical parameters	
Input voltage	110V to 250V
Frequency	50Hz to 60Hz
Power supply efficiency	85%
Power	2ft=11W   3ft=16W   4ft=20W   5ft=23W   6ft=25W
Power factor conversion	0.93

Optical parameters	
Luminaire efficiency	90%
LED quantity	2ft=162pcs   3ft=243pcs   4ft=315pcs   5ft=396pcs   6ft=477pcs
Lumen output	2ft=935lm   3ft=1,360lm   4ft=1,700lm   5ft=1,955lm   6ft=2,125lm
Colour rendering index	80Ra
LED efficiency	85lm/W
Colour temperatures	3,500K   3,600K (Pink)   4,200K   5,000K   6,000K
Beam spread	160°

Other parameters	
Operating temperatures	-25°C to +60°C   -13°F to +140°F (humidity 15% to 70%)
Storage temperatures	-20°C to +50°C   -4°F to +122°F
Sizes	Ø1.2in x 2ft (30mm x 605mm)   3ft (910mm)   4ft (1,215mm)   5ft (1,515mm)   6ft (1,778mm)
Main materials	Aluminium   V0 rated polycarbonate
Appearance	Clear   Milky
IP rating	IP54
Life span	50,000 hours

### LENS OPTIONS

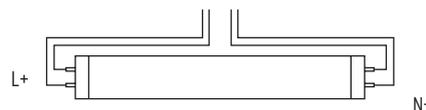
Our LED T8 tubes come with a choice of clear or milky lenses.



### FITTING GUIDE

Our LED T8 tubes are designed to fit into existing T8 or T10 fittings with minimal changes required.

We recommend simply removing or bypassing the existing ballast/starter and connecting the live and neutral to each end (see diagram below).



Full fitting instructions can be found within the tube packaging.



PAYBACK ON ENERGY USAGE (ON AVERAGE)



TESTING ON EVERY SINGLE LIGHT BEFORE DESPATCH



RECYCLING OF ALL OF OUR LED LIGHTS BY QE GLOBAL



ENERGY USED COMPARED TO A STANDARD LIGHT (ON AVERAGE)



MINIMUM LIGHT OUTPUT COMPARED TO A STANDARD LIGHT