

CLUSTERLITE® Series



Formidable Lighting for Commercial and Industrial Use

The CLUSTERLITE® is specifically designed to replace mercury tungsten blended lamps and metal halide lamps that are widely used in commercial and industrial areas. These high-wattage energy-efficient lamps offer phenomenal attributes that include high lumen maintenance, even light distribution, high colour rendering, minimal colour shift, excellent energy-savings and more.

Applications

Bus and train terminus, exhibition halls, shopping malls, showrooms, factories, warehouses, street lighting and billboards.



CLUSTERLITE[®] with Integrated Ballast

ENERGY SAVING LAMPS



HC01040i



Lamp Base	Diameter (mm)	Length (mm)	Weight (g)
E27	63	166	257

40 Watt 15,000 hours **2680lm** Standard Pack 12 (1)

Operating Temperature: +60°C / -25°C

Energy Star **A**



HC01060i



Lamp Base	Diameter (mm)	Length (mm)	Weight (g)
E27	63	188	315

60 Watt 15,000 hours **4000lm** Standard Pack 12 (1)

Operating Temperature: +60°C / -40°C

Energy Star **B**



HC01080i



Lamp Base	Diameter (mm)	Length (mm)	Weight (g)
E27	80	244	553
E40	80	256	563

80 Watt 15,000 hours **5400lm** Standard Pack 12 (1)

Operating Temperature: +60°C / -40°C

Energy Star **B**



HC01100i

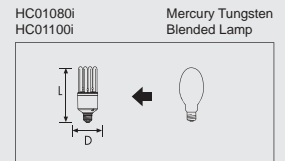
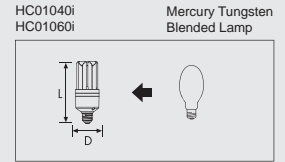


Lamp Base	Diameter (mm)	Length (mm)	Weight (g)
E27	80	267	578
E40	80	279	588

100 Watt 15,000 hours **6700lm** Standard Pack 12 (1)

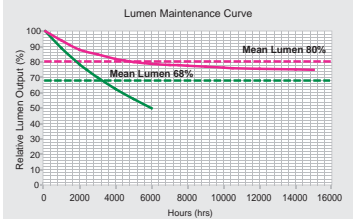
Operating Temperature: +60°C / -40°C

Comparison with equivalent lamp type



Available in different colour temperatures.

Lumen Maintenance Curve Comparison: CLUSTERLITE[®] Vs. Mercury Tungsten Blended Lamp

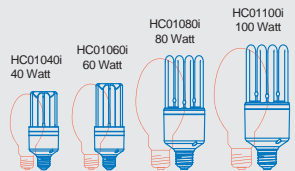


180W Mercury Tungsten Blended Lamp

60W CLUSTERLITE[®] with integrated ballast

Size Comparison

CLUSTERLITE[®] Vs. Mercury Tungsten Blended Lamps



■ CLUSTERLITE[®]
■ Mercury Tungsten Blended Lamps



- 15,000 hrs lifetime
- 600,000 switching cycles
- Shorter preheating time



CLUSTERLITE[®] with Power Supply



ENERGY SAVING LAMPS



HC01056x

Lamp Base	Diameter (mm)	Length (mm)	Weight (g)
E27	63	160	200
E40	63	172	208

56 Watt 15,000 hours Standard Pack 12 (1) 4000lm

Operating Temperature: +60°C / -40°C



HC01080x

Lamp Base	Diameter (mm)	Length (mm)	Weight (g)
E40	63	202	285

80 Watt 15,000 hours Standard Pack 12 (1) 5760lm

Operating Temperature: +60°C / -40°C



HC01120x

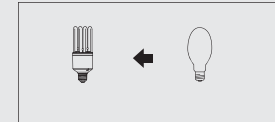
Lamp Base	Diameter (mm)	Length (mm)	Weight (g)
E40	63	245	326

120 Watt 15,000 hours Standard Pack 6 (1) 8640lm Operating Temperature: +60°C / -40°C

Comparison with equivalent lamp type

HC01056x
HC01080x
HC01120x

Metal Halide Lamp



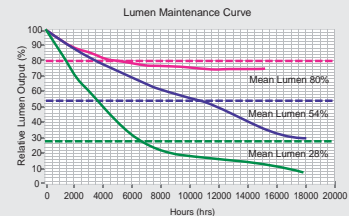
CLUSTERLITE[®] Power Supply is required

Lamp Model	Power Supply Model
HC01056x	CP010056
HC01080x	CP010080
HC01120x	CP010120



Available in different colour temperatures.

Lumen Maintenance Curve Comparison: CLUSTERLITE[®] Vs. Metal Halide Lamp



120W CLUSTERLITE[®] with power supply
 — Lumen
 - - - Mean Lumen Over Life

150W Metal Halide Lamp (Best Case)
 — Lumen
 - - - Mean Lumen Over Life

150W Metal Halide Lamp (Worst Case)
 — Lumen
 - - - Mean Lumen Over Life



CLUSTERLITE[®] with Power Supply

ENERGY SAVING LAMPS



HC01200x

Lamp Base	Diameter (mm)	Length (mm)	Weight (g)
E40	90	278	676

200 Watt 15,000 hours **14400lm** Standard Pack 6 (1)

Operating Temperature: +60°C / -40°C



HC01320x

Lamp Base	Diameter (mm)	Length (mm)	Weight (g)
E40	110	288	1000

320 Watt 15,000 hours **23000lm** Standard Pack 6 (1)

Operating Temperature: +80°C / -40°C

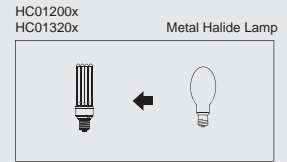
Product Features

- Rated lamp life of 15,000 hours.
- Engineered with patented cooling-tube to guarantee over 75% lumen maintenance throughout lamp life.
- High colour rendering index of Ra 82.
- Available in any colour temperature from 2700K to 6500K.
- Excellent colour uniformity with minimal colour shift of only +/-100K.
- Effective operation in temperature range from -40°C to +80°C.
- Universal burning position for base-up, base-down or horizontal operation.
- Significant energy-savings up to 67%.
- Instant restart capability with rapid start-up time achieved within 120 seconds.
- Cluster-type lamp tube design allows continuous illumination upon partial failure of lamp tubes.

Supplementary Information:

- Optimum burning position: Horizontal and Base-down
- Optimum ambient temperature: -20°C and +45°C

Comparison with equivalent lamp type



CLUSTERLITE[®] Power Supply is required

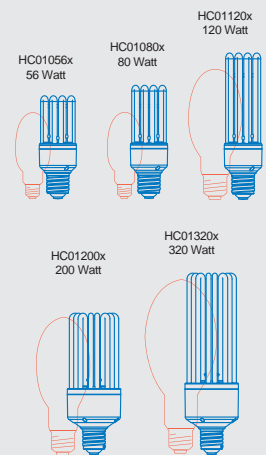
Lamp Model	Power Supply Model
HC01200x	CP010200
HC01320x	CP010320



Available in different colour temperatures.

Size Comparison

CLUSTERLITE[®] Vs. Metal Halide Lamps



CLUSTERLITE[®]
 Metal Halide Lamps

