GE
Lighting

WORLDWIDE PARTNER

DATA SHEET

Kolorarc™

Metal Halide Lamps

Tubular clear, elliptical clear and elliptical diffuse 400W

Product information

High brightness, high quality white light with good colour rendition and energy efficiency makes GE Metal Halide lamps suitable for many commercial and industrial interiors, particularly in high ceiling areas.

Applications

- Offices
- Retail warehouses
- Industrial units
- Area floodlighting
- Amenity areas
- General warehousing
- Architectural floodlighting
- Parking lots and garages

Compliance with IEC Standards

All Kolorarc™ lamps comply with IEC62035.

Basic data

	Tubular Clear		Elliptical Clear	Elliptical Diffuse			
Product Code	30052	30704	16871	16872	16875	10837	10834
Product Description	KRC400/T/ H/960/E40	KRC400/T/ VBU/960/E40	KRC400/E/ VBU/645/E40	KRC400/D/ VBU/740/E40	KRC400/D/ H/740/E40	KRC400/D/ VBU/960/E40	KRC400/D/ H/960/E40
Nominal Wattage [W]	400	400	400	400	400	400	400
Rated Wattage [W]	380	370	376	375	382	370	380
Volts [V]	118	115	120	120	120	115	115
Cap	E40	E40	E40	E40	E40	E40	E40
Nominal Lumen [lm]	28400	27000	33500	33500	38000	25400	26800
Rated Lumen [lm]	27000	25000	31810	31460	36900	23500	25500
Rated Lamp Efficacy [lm/W]	71	68	85	84	97	64	67
CCT [K]	6000	6000	4500	4000	4000	6000	6000
CRI [Ra]	90	82	65	70	70	90	90
Mercury Content [mg]	32.0	32.0	48.5	48.5	70.0	32.0	32.0
Ambient Temperature [°C]	25	25	25	25	25	25	25
Life (vertical) [h]	-	14,000	14,000	14,000	-	14,000	-
Life (horizontal) [h]	14,000	-	-	-	14,000	-	14,000
Operating Position	HOR±45°	VBU±45°	VBU±30° *	VBU±30° *	HOR±60° *	VBU±45°	HOR±45°
Minimum Starting Temperature [°C]	-20	-20	-20	-20	-20	-20	-20

* For optimum performance ±15° is recommended.

GE imagination at work

Dimensions

Figure 1.

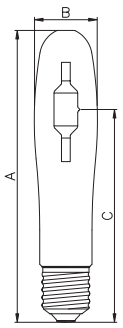
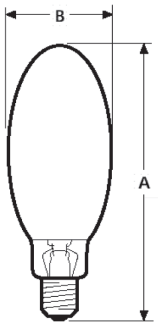


Figure 2.

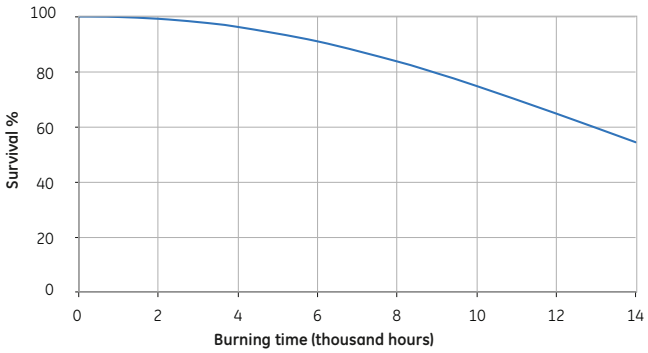


Product Code	A Length [mm]	B Diameter [mm]	C LCL [mm]	Cap	Operating Position	Bulb Glass	Mass [g]	Figure no.
30052	270	58	175	E40	HOR ± 45°	Hard glass	170	1
30704	270	58	175	E40	VBU ± 45°	Hard glass	170	1
16871	286	122	187	E40	VBU ± 30°	Hard glass	280	2
16872	286	122	187	E40	VBU ± 30°	Hard glass	280	2
16875	286	120	187	E40	HOR ± 60°	Hard glass	270	2
10837	282	121	187	E40	VBU ± 45°	Hard glass	270	2
10834	282	121	187	E40	HOR ± 45°	Hard glass	270	2

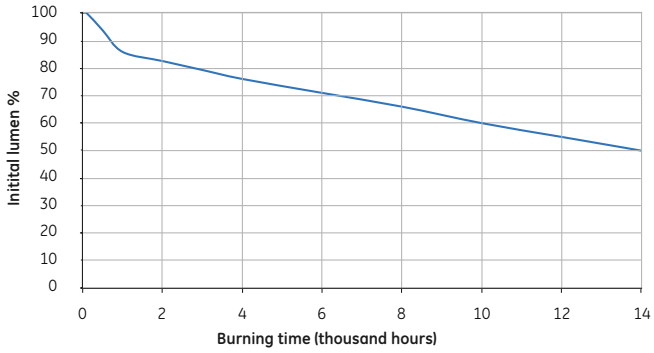
Survival rate and lumen maintenance

The graph shows the survival of representative groups of lamps operated under controlled conditions at 10 hrs start. Lamp life in service will be affected by a number of parameters, such as mains voltage deviations, switching cycle, luminaire design and control gear. The information given is intended to be a practical guide in determining lamp replacement schedules.

Survival rate of Kolorarc™ lamps

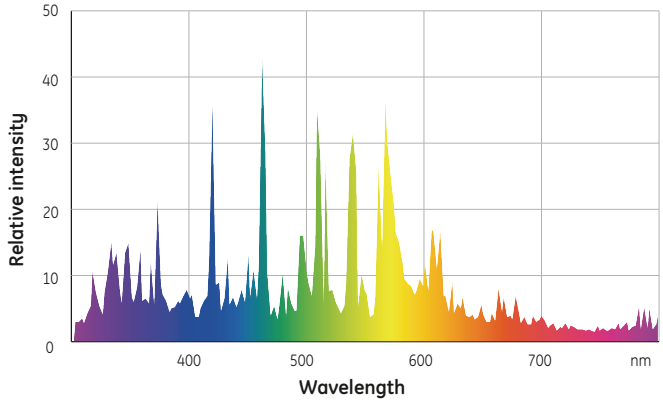


Lumen maintenance

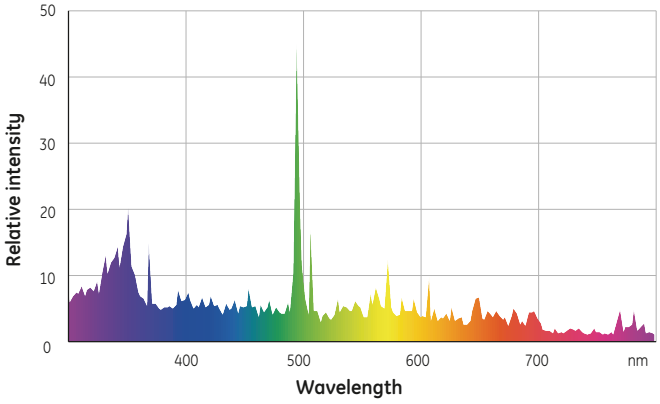


Spectral power distribution

4000K spectral power distribution



6000K spectral power distribution



Operating note

All metal halide lamps operate with a high internal pressure and there is a slight risk that lamps may shatter, particularly if run beyond rated life. At end of life a switch off should be introduced every 24 hours to reduce the risk of shattering. The lamp must be fully enclosed by a luminaire to ensure the retention of any fragments in the event of such failure.