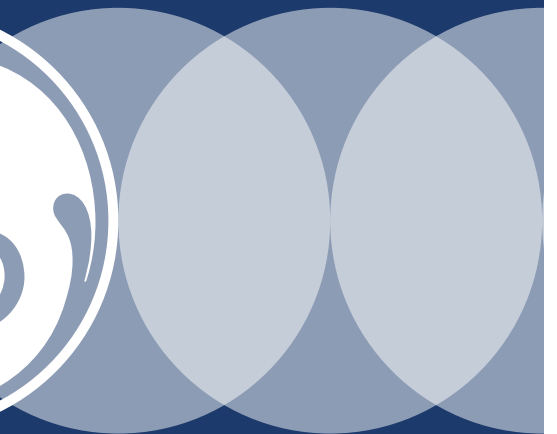




High Intensity
Discharge Lamps



High Intensity Discharge Lamps

Exceptional light quality, indoors and outdoors

Our advanced HID ranges encompass ConstantColor™ Ceramic Metal Halide (CMH), Quartz Metal Halide (QMH) and Lucalox™ High Pressure Sodium (HPS) technologies, enabling us to offer the right solution across a wide range of applications.

These ultra-efficient lighting solutions combine high efficacy with a long life to deliver the optimum lighting solution for a range of commercial and industrial applications.

ConstantColor™ CMH

Light quality

Colour is a vital part of lighting in so many ways. Retail displays need to be lit to show products' colours. Security cameras need to be able to identify colours accurately. And in modern cities that never sleep, buildings, sculptures and parks look their best when lighting brings out their true colours. ConstantColor™ CMH Lamps deliver the quality of light that these situations demand.

Reliability

It is also important that this high performance is maintained, and GE's ConstantColor™ technology delivers the best possible lumen maintenance to ensure that merchandise, streets and statues are lit better for longer and with no deterioration of light quality as lamps approach the end of their life.

Low cost of ownership

The excellent lumen maintenance of ConstantColor™ CMH Lamps means extended replacement cycles and, therefore, savings on maintenance cost. An extension of at least one year can be assumed when calculating relamping cycles.

- High efficacy – more lumens per Watt
- Long rated life: up to 24 000 hours
- High lumen maintenance

Why CMH?

- Highly controllable point source
- Superb colour rendition and stability
- Reliability, efficiency and longevity
- Superb lumen maintenance
- Instant replacement of less eco friendly products



Wide choice

GE's ConstantColor™ CMH range is second to none in the variety that is on offer for both indoor and outdoor applications. Indoors, these include retail display lighting and industrial high bay lighting, and outdoors, street lighting and city beautification.

The range includes lamps for all the common formats - GU6.5, G8.5, G12, E27/E40 and Rx7s, as well as AR111, MR16 and PAR reflectors. Lighting designers can choose from 3000K and 4200K colours and their needs are also catered for by the flexibility of ballasts that can be used. GE works closely with customers and offers a list of top ballast manufacturers.

GE ConstantColor™ CMH Lamps provide high quality light with low cost of ownership for every type of application, but there are also products specially developed for particular uses.

GE ConstantColor™ CMH Standard

CMH Standard is the widest product range, one that offers great performance and value for replacement applications.

GE ConstantColor™ CMH Precise™

Developed for the retail environment, CMH Precise™ is GE's premium CMH range, with enhanced colour and improved lumen maintenance.



GE ConstantColor™ CMH StreetWise™

CMH StreetWise™ combines dimmable white light with high efficiency for street lighting. Long life and high lumen maintenance ensure maintenance is minimised.



High Intensity Discharge Lamps

HID

CMH Indoors

GE ConstantColor™ CMH Standard Lamps combine great performance and best-in-class rated life to offer an attractive, value for money solution for replacement applications. Energy efficiency and longer relamping cycles ensure a low total cost of ownership.

- Complete range of retail lamps for wide range of applications
- Energy efficient replacement solution on existing installations
- Reduced energy bills and extended maintenance cycles
- Reduced cost of ownership through longer life
- Enables planned lighting maintenance for fixed interval replacement, optimised labour costs and reduced lamp failures

Why Precise™?

- Greatly improved lumen output (4000lm – 35W and 7800lm – 70W)
- Excellent lumen maintenance (70W 80% @ 12 000 h)
- Outstanding useful life (B10: 12 000 h)
- Superb light quality and colour rendering of CRI 90+
- Improved rendering of deep red colours (R9)
- Improved lamp-to-lamp colour control
- Universal burning position
- Robust and reliable performance initially and through life



LONGER LIFE AND MORE LUMENS OVER USEFUL LIFE



EXCELLENT LUMEN MAINTENANCE – 30% MORE LUMENS AT 15 000 HOURS LIFE THAN STANDARD LAMPS



COST EFFECTIVE DIRECT RETROFIT FOR EXISTING RETAIL INSTALLATIONS

Our ConstantColor™ CMH Precise™ range is an innovative lighting solution designed to ensure the best possible results in the retail environment with significantly improved lumen maintenance and enhanced quality of light. The range allows retailers to choose the best option for their visual requirements.


- Cost effective direct retrofit for existing retail installations
- Longer life and more lumens over useful life
- Outstanding lumen output – up to 110 LPW
- Excellent lumen maintenance – 30% more lumens at 15 000 hours life than standard lamps
- Compatible with existing GE electronic ballasts and other major GE-validated manufacturers

CMH Outdoors

Lighting accounts for more than 20% of energy consumption around the world. Reduce consumption per luminaire, and everybody benefits.


Our energy efficient ConstantColor™ CMH StreetWise™ range has the potential to significantly reduce global energy consumption, while at the same time improving road safety.

An outstanding combination of bright white light and energy efficiency makes these lamps the ideal solution for street and roadway lighting. This outstanding quality of light – much closer to natural daylight – promotes safer driving through easier recognition of shapes and colour, makes pedestrians feel more comfortable and secure, and enhances the urban environment.

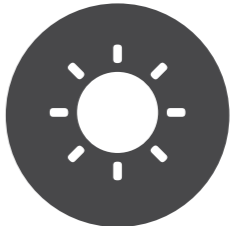


GE's new generation of CMH StreetWise™ Lamps especially designed for outdoor lighting offers the best of both worlds. Bright, white, 'natural' light and low costs for both running and maintenance. With CMH lighting, streets and other public spaces can feel safer for pedestrians. More than that, their "daylight" colour rendering improves the ability of drivers to recognise shapes and colours, especially in peripheral vision. This also promotes quicker driver response times.


StreetWise™



HIGH EFFICIENCY AND LONG LIFE UP TO 24 000 HOURS



VIVID COLOUR, BRIGHTER LIGHT



DIMMABLE FOR EXTRA ENERGY SAVING

Other products in our Outdoor ranges include GE Lucalox™ High Pressure Sodium Lamps and a choice of Quartz Metal Halide Lamps from 70 – 2000 W and rated life up to 60 000 hours.

- High efficiency and long life – up to 24 000 hours
- Dimmable for extra energy saving
- Uniform lighting for roadways
- Vivid colour, brighter light
- Lower running cost, lower CO₂ emissions
- Improved safety and security for pedestrians and vehicles
- Ideal for integrated systems with dimming, remote monitoring and remote control

HID



John Lewis UK
GE SOLUTIONS:
ConstantColor™ CMH



Erzsébet Bridge Budapest
GE SOLUTIONS:
CMH 250W

High Intensity Discharge Lamps

Product overview



Single Ended Supermini Precise™, Ultra and Standard (GU6.5)

Cap: GU6.5
Wattages: 20 – 35W
Colours: 830, 930, 942
Rated life: 10 000 – 18 000 h



Single Ended Mini Precise™, Ultra, Ultra White and Standard (TC)

Cap: G8.5
Wattages: 20 – 70W
Colours: 830, 930, 942
Rated life: 12 000 – 18 000 h



Single Ended Precise™, Ultra, Ultra White and Standard (T)

Cap: G12
Wattages: 20 – 150W
Colours: 830, 930, 942
Rated life: 12 000 – 18 000 h



Open Rated Elliptical

Cap: E27
Wattages: 70 – 150W
Colours: 942, 940
Finish: Clear or Diffuse
Rated life: 15 000 h



Elliptical

Cap: E27, E40
Wattages: 70 – 400W
Colours: 830
Finish: Clear or Diffuse
Rated life: 10 000 – 24 000 h



StreetWise™

StreetWise™

Cap: E27, E40
Wattages: 50 – 150W
Colours: 730
Finish: Clear
Rated life: 24 000 h



Double Ended (TD)

Cap: RX7s or RX7s-24
Wattages: 35 – 150W
Colours: 830, 942
Rated life: 15 000 h



Tubular

Cap: E27, E40
Wattages: 70 – 400W
Colours: 830, 842, 942
Finish: Clear
Rated life: 10 000 – 24 000 h



Open Rated Tubular

Cap: E40
Wattages: 150W
Colours: 830, 942
Finish: Clear
Rated life: 12 000 h

ConstantColor™ CMH (Ceramic Metal Halide) GU6.5, TC, T, TD

ConstantColor™ CMH (Ceramic Metal Halide) Elliptical and Tubular



MR16 Precise™, and Standard

Cap: GX10
Wattages: 20 – 35W
Colours: 830, 930, 942
Rated life: 10 000 – 18 000 h
Beam spread: 12 – 40°



AR111

Cap: GX8.5
Wattages: 35 – 70W
Colours: 930
Rated life: 12 000 h
Beam spread: 10 – 40°



PAR20

Cap: E27
Wattages: 20 – 35W
Colours: 830, 942
Rated life: 10 000 – 12 000 h
Beam spread: 10 – 25°



PAR30

Cap: E27
Wattages: 20 – 70W
Colours: 830, 942
Rated life: 10 000 – 13 000 h
Beam spread: 10 – 40°



CMH Standard Ballasts

A range of standard ballasts for 35 – 70W CMH lamps



CMH Miniature Ballasts

A range of miniature ballasts for 20 – 35W CMH lamps

ConstantColor™ CMH (Ceramic Metal Halide) Reflectors

CMH Ballasts



High Intensity Discharge Lamps

Product overview



Single Ended

Cap: G12
Wattages: 70 – 150W
Colours: 3000 – 4200K
CRI: 70 – 80
Rated life: 6 000 h



Double Ended

Cap: Rx7s-Fc2
Wattages: 70 – 250W
Colours: 3000 – 6500K
CRI: 75 – 90
Rated life: 8 000 – 12 000 h



Double Ended Coloured

Cap: Rx7s-24
Wattages: 150W
Colours: Green, Blue, Magenta
Rated life: 6 000 h



Tubular

Cap: E40
Wattages: 250 – 400W
Colours: 4200 – 6000K
CRI: 70 – 90+
Finish: Clear
Rated life: 12 000 h



Elliptical

Cap: E40
Wattages: 250W
Colours: 4000 – 6000K
CRI: 70 – 90
Finish: Clear or Diffuse
Rated life: 12 000 – 14 000 h

Arcstream Metal Halide Operates on suitable metal halide/high pressure sodium ballast and metal halide ignitor



Standard – Elliptical

Cap: E40
Wattages: 250 – 1000W
Colours: 3700 – 4200K
CRI: 65 – 70
Finish: Clear or Diffuse
Rated life: 10 000 – 20 000 h



High Output – Elliptical

Cap: E40
Wattages: 250 – 400W
Colours: 3200 – 4200K
CRI: 65 – 70
Finish: Clear or Diffuse
Rated life: 20 000 h

Multi-Vapour Metal Halide Operates from CWA Control Gear



Tubular

Cap: E40
Wattages: 400W
Colours: 6000K
CRI: 90
Finish: Clear
Rated life: 14 000 h



Elliptical

Cap: E40
Wattages: 400W
Colours: 4000 – 6000K
CRI: 65 – 90
Finish: Clear or Diffuse
Rated life: 14 000 h

Kolorarc™ Metal Halide Operates from suitable mercury or metal halide ballast rated 3.5A and metal halide ignitor



Lucalox™ XO Superlife

Cap: E27, E40
Wattages: 70 – 400W
Feature: Extra high lumen output and Twin Arctubes for extra life
Finish: Tubular Clear or Elliptical Diffuse
Rated life: 50 000 – 60 000 h



Lucalox™ XO

Cap: E27, E40
Wattages: 50 – 600W
Feature: Extra high lumen output
Finish: Tubular Clear or Elliptical Diffuse
Rated life: 32 000 – 45 000 h



Lucalox Superlife

Cap: E27, E40
Wattages: 50 – 250W
Feature: Twin Arctubes for extra life
Finish: Elliptical Diffuse
Rated life: 40 000 – 60 000 h



Lucalox™ Standard

Cap: E27, E40
Wattages: 70 – 1000W
Finish: Tubular Clear or Elliptical Diffuse
Rated life: 24 000 – 28 500 h



Lucalox™ Internal Ignitor

Cap: E27
Wattages: 50 – 70W
Feature: Internal ignitor
Finish: Elliptical Clear or Diffuse
Rated life: 12 000 – 17 500 h

Lucalox™ High Pressure Sodium



Linear

Cap: RX7SM - spec
Wattages: 1500 – 2000W
Colours: 5200K
CRI: 65
Rated life: 6 000 h



Tubular Clear

Cap: E40
Wattages: 1000 – 2000W
Colours: 4000 – 6000K
CRI: 65 – 93
Rated life: 2 000 – 8 000 h



Internal Ignitor

Cap: E40
Wattages: 2000W
Colours: 4000 – 6000K
CRI: 65 – 93
Rated life: 2 000 – 5 000 h

Sportlight™ Metal Halide For sports and floodlighting



Kolorlux™ Mercury Standard*

Cap: E27, E40
Wattages: 50 – 400W
Rated life: 16 000 – 20 000 h

* only direct shipment



Mixed Light*

Cap: E27, E40
Wattages: 160 – 500W
Voltage: 230 – 240V
Rated life: 8 000 h

* only direct shipment

Mercury Lamps

High Intensity Discharge Lamps

High Intensity Discharge Lamps

Model	Wattage (W)	Volts (V)	Cap	Product Description	Product Code	Lumen (lm)	CCT (K)	CRI (Ra)	Operating position	Rated Life (h)	Length (mm)	Diameter (mm)	Energy Consumption (kWh)	EEC	Pack Qty
Lucalox™ XO Tubular Clear															
1	50	85	E27	LU50/85/XO/T/27	93373	4 400	2100	25	U	35 000	156	39	59.7	A	25
1	70	90	E27	LU70/90/XO/T/27	93375	6 600	2100	25	U	40 000	156	39	80.5	A+	25
1	100	100	E40	LU100/100/XO/T/40	93376	10 700	2100	25	U	40 000	211	48	111.9	A+	12
1	150	100	E40	LU150/150/XO/T/40	93377	17 500	2100	25	U	45 000	211	48	168.3	A+	12
1	250	100	E40	LU250/XO/T/40	93378	33 200	2100	25	U	45 000	260	48	285.8	A+	12
1	400	100	E40	LU400/XO/T/40	93269	56 500	2100	25	U	45 000	292	48	448.4	A++	12
1	600	115	E40	LU600/XO/T/40	93270	88 500	2100	25	U	32 000	292	48	667.3	A++	12

Model	Wattage (W)	Volts (V)	Cap	Product Description	Product Code	Lumen (lm)	CCT (K)	CRI (Ra)	Operating position	Rated Life (h)	Length (mm)	Diameter (mm)	Energy Consumption (kWh)	EEC	Pack Qty
Lucalox™ XO Elliptical Diffuse															
2	50	85	E27	LU50/85/XO/D/27	45696	3 600	2100	25	U	35 000	156	72	58.4	A	12
2	70	90	E27	LU70/90/XO/D/27	45697	6 000	2100	25	U	40 000	156	72	83.9	A	12
2	100	100	E40	LU100/100/XO/D/40	93379	10 200	2100	25	U	40 000	186	76	112.2	A+	12
2	150	100	E40	LU150/100/XO/D/40	93380	16 900	2100	25	U	45 000	227	91	170.2	A+	12
2	250	100	E40	LU250/XO/D/40	93381	31 200	2100	25	U	45 000	227	91	285.7	A+	12
2	400	105	E40	LU400/XO/D/40	93296	54 000	2100	25	U	45 000	292	122	443.1	A+	6

Model	Wattage (W)	Volts (V)	Cap	Product Description	Product Code	Lumen (lm)	CCT (K)	CRI (Ra)	Operating position	Rated Life (h)	Length (mm)	Diameter (mm)	Energy Consumption (kWh)	EEC	Pack Qty
Lucalox™ Superlife Elliptical Diffuse															
2	250	100	E40	LU250/SBY/D/E40	35590*	26 000	2000	25	U	55 000	227	91	275.7	A+	12

* Not CE compliant product and will be phased out

Model	Wattage (W)	Volts (V)	Cap	Product Description	Product Code	Lumen (lm)	CCT (K)	CRI (Ra)	Operating position	Rated Life (h)	Length (mm)	Diameter (mm)	Energy Consumption (kWh)	EEC	Pack Qty
Lucalox™ Standard Tubular Clear															
3	70	90	E27	LU 70/90/MO/T/E27	46221	6 100	2000	25	U	28 000	156	39	78	A+	25
3	100	100	E40	LU100/100/MO/T/40	93767	9 600	2000	25	U	28 000	211	48	107.6	A+	12
3	150	100	E40	LU150/100/MO/T/E40	97241	17 500	2000	25	U	24 000	283	48	172.7	A+	12
3	150	100	E40	LU150/100/40*	44244	15 300	2000	25	U	28 000	211	48	163.8	A+	12
3	250	100	E40	LU250/T/40*	22453	28 500	2000	25	U	28 000	260	48	276.8	A+	12
3	250	100	E40	LU250/HO/T/E40 MIC	93010296	32 500	2000	25	U	24 000	260	48	283.5	A+	12
3	400	100	E40	LU400/HO/T/E40	97240	56 500	2000	25	U	24 000	260	48	444.4	A++	12
3	400	100	E40	LU400/T/40*	11678	48 000	2000	25	U	28 000	278	48	431.9	A+	12
3	1000	250	E40	LU1000/40	85886	130 000	2100	22	U	24 000	383	79	1100	A+	6
3	1000	110	E40	LU1000/110/T/40	45751	130 000	2000	25	U	24 000	374	68	1067.1	A++	4

* Not CE compliant product

Model	Wattage (W)	Volts (V)	Cap	Product Description	Product Code	Lumen (lm)	CCT (K)	CRI (Ra)	Operating position	Rated Life (h)	Length (mm)	Diameter (mm)	Energy Consumption (kWh)	EEC	Pack Qty
Lucalox™ Standard Elliptical Diffuse															
4	70	90	E27	LU70/90/MO/D/E27	46217	5 750	2000	25	U	28 000	156	72	77.8	A	12
4	100	100	E40	LU100/100/MO/D/40*	93766	9 200	2000	25	U	28 000	186	76	114.8	A+	12
4	150	100	E40	LU150/100/D/40*	44245	14 500	2000	25	U	28 000	227	91	163.7	A+	12
4	250	100	E40	LU250/D/40*	44052	26 000	2000	25	U	28 000	227	91	276.5	A+	12
4	400	105	E40	LU400/D/40*	44057	48 000	2000	25	U	28 000	282	122	444.1	A+	6

* Not CE compliant product



Wattage (W)	Volts (V)	Cap	Product Description	Product Code	Lumen (lm)	CCT (K)	CRI (Ra)	Operating position	Rated Life (h)	Length (mm)	Diameter (mm)	Energy Consumption (kWh)	EEC	Pack Qty	Model
Lucalox™ Internal Ignitor Elliptical Clear															
70	90	E27	LU 70/90/MO/I/E27	46209	6 100	2000	25	U	17 500	156	72	79.4	A+	12	5

Wattage (W)	Volts (V)	Cap	Product Description	Product Code	Lumen (lm)	CCT (K)	CRI (Ra)	Operating position	Rated Life (h)	Length (mm)	Diameter (mm)	Energy Consumption (kWh)	EEC	Pack Qty	Model
Lucalox™ Internal Ignitor Elliptical Diffuse															
50	85	E27	LU50/85/MO/D/I/E27*	88556**	3 300	2000	25	U	12 000	156	72	56.3	A	12	6
70	90	E27	LU70/90/MO/D/I/E27	46186	5 750	2000	25	U	17 500	156	72	78.2	A	12	6

* Not CE compliant product
** Will be phased out

Wattage (W)	Volts (V)	Cap	Product Description	Product Code	Lumen (lm)	CCT (K)	CRI (Ra)	Operating position	Rated Life (h)	Length (mm)	Diameter (mm)	Energy Consumption (kWh)	EEC	Pack Qty	Model
Kolorlux™ Mercury Standard															
50	95	E27	OT H50/27 1/24 MIC DS*	65206	1 800	4000	40	U	16 000	130	55	57.3	B	24	7
80	115	E27	OT H80/27 1/24 MIC DS*	64992	3 800	4000	45	U	20 000	156	70	90.8	B	24	7
125	125	E27	H125/27 1/24 MIC DS*	62360	6 300	4000	45	U	20 000	170	75	141.7	B	24	7
250	130	E40	H250/40 1/12 MIC DS*	62361	13 000	4000	40	U	20 000	227	90	275.6	B	12	7
400	135	E40	OT H400/40 1/12 MIC DS*	63674	22 500	4000	40	U	20 000	292	120	441.3	B	12	7

* Not CE compliant product, only full container order

Wattage (W)	Volts (V)	Cap	Product Description	Product Code	Lumen (lm)	CCT (K)	CRI (Ra)	Operating position	Rated Life (h)	Length (mm)	Diameter (mm)	Energy Consumption (kWh)	EEC	Pack Qty	Model
Mixed Light															
160	230-240	E27	OT ML 230-240V 160W E27 GE 1/24 MIC DS*	63675	3 100	4200	52	VBU±30	8 000	170	76	185.4	D	24	8
250	230-240	E40	OT ML 230-240V 250W E40 GE 1/12 MIC DS*	63678	5 500	3800	52	U	8 000	227	91	277.5	C	12	8
250	230-240	E27	OT ML 230-240V 250W E27 GE 1/12 MIC DS*	63677	5 500	3800	52	U	8 000	227	91	277.5	C	12	8
500	230-240	E40	OT ML 230-240V 500W E40 GE 1/10 MIC DS*	63676	14 000	3800	45	U	8 000	292	121	545.4	B	10	8

* Not CE compliant product, only full container order

