

High Intensity Discharge Lamps



Boost sales with brilliant, true colour

Maximised performance and energy efficiency

Exceptional colour rendering throughout lamp life

Flexibility in form and size

Outstanding in-store experience

Attract customers and win sales

GE ConstantColor™ Ceramic Metal Halide (CMH) lighting brings the world to life in glorious colour. Our unique lamps are the lighting of choice across the retail sector – from general display to light and colour-critical applications such as fresh produce, jewellery or fashion retail. GE ConstantColor™ CMH presents merchandise in the best possible light.



New ConstantColor™ CMH Precise™

Quality of Light

The CMH Precise™ range is an innovative lighting solution specifically designed with retail needs in mind. The range allows retailers to choose the best option that meets their visual requirements.

- Outstanding colour of Precise™ through the life of the lamp
- Further reduced lamp to lamp variance and colour shift over time
- New technology platform

Efficiency

Precise™ is a cost effective solution that offers direct retrofit in existing installations with longer life and more lumens over useful life. The range offers flexibility in form and size to meet challenging design requirements in various retail environments.

- Very efficient, up to 110LPW and offers better lumen maintenance with 30% more lumens at 15,000 hours life than standard lamps
- Reduced maintenance cycles and spot replacements with 25% more lamp service life (18,000 hours rated)
- Lamps can be used with a range of existing electronic ballasts available from GE and other major manufacturers validated by GE



High Intensity Discharge Lamps

John Lewis, UK – vibrant & sustainable

Our Customer

A household name in the UK, John Lewis department stores operate throughout the UK and are owned by the John Lewis Partnership. The retailer's flagship store on Oxford Street is the largest branch in the partnership and was one of the first stores to benefit from a retrofit with GE Lighting lamps.

The Challenge

Upgrading existing CMH accent installation to enhance retail displays and optimize merchandising illumination.

Our Solution

Replacing original installation with upgraded performance 35W & 70W CMH Ultra lamps.

Key Benefits

- Superior colour rendering and improved lighting quality
- 50%+ reduction in energy consumption
- Improved look & feel
- Long maintenance cycle



50% savings of energy

Reduced maintenance



bright light
and appearance



long
service life

"By specifying GE Lighting's CMH Ultra range, visually the stores and merchandise appears more vibrant in colour, energy and maintenance costs are reduced and sustainability is optimised."

*Barry Ayling,
Lighting Design Manager
at John Lewis Partnership*

Hamley's, UK – colourful & efficient

The Challenge

Replace traditional halogen lamps with an efficient, high quality solution that provides superb colour rendering & quality of light.

Our Solution

GE's ConstantColor™ CMH Supermini lamps offer superior illumination, exceptional colour rendering and higher efficiency.

Key Benefits

- Superior colour rendering
- Extended maintenance cycles
- Long term cost savings
- Superior illumination

Up to **25%** longer lifetime
Reduced maintenance
↑ superior colour rendering **4x** more efficient



"The ConstantColor CMH Ultra lamps from GE Lighting provided us with the next generation in retail lighting, with the quality of light, colour and efficiency all optimised. These light sources offer superior illumination, conveying the quality of our goods and also a richness of colour, which is so important in an environment designed with children in mind."

*Keane Herman,
Operations Manager
for Hamleys Regent Street*

High Intensity Discharge Lamps

ConstantColor™ CMH AR111

Better Performance

GE's ConstantColor™ CMH AR111 are an ideal choice for energy-efficient accent and display lighting. The decorative design provides excellent beam control with low glare and superb overall light quality. Outstanding light output compared to similar solutions and premium colour rendering and consistency. Now, anyone with critical colour needs can enjoy the excellent savings that ConstantColor™ CMH AR111 lamps provide. ConstantColor™ CMH AR111 lamps offer substantial benefits that make them the clear choice for specification into new stores, or re-lamping existing store fixtures.



Features

- 35W & 70W versions with three different beam angles
- High Color Rendering Index
- Twist and Lock GX8.5 base provides secure positioning
- Lower thermal and energy output than tungsten halogen lamps
- Compatible with both electronic and magnetic HID ballasts

Key Benefits

- is the energy saving alternative to conventional halogen glare free applications
- delivers high lumen package, up to 3100 lumens, to replace 75W and 100W halogen in a compact design with low glare
- 75W halogen replaced by 35W CMH, 100W substituted with 70W CMH delivering 30%-53% energy savings
- provides 25%-49% more light than their halogen counterparts and have 3-4 times more service life (assuming L80)
- offers high color rendering index: 88 & 91



High Intensity Discharge Lamps

Cut costs, save energy, improve light quality

Comfort and security

delivering a light closer to natural daylight

Improved safety

colours are more real, objects are better illuminated

Retrofit replacement

white light solutions for HPS and MH lamps*

Enhancement and beautification

with advanced white light solutions

Long service life

with existing fixture and gear

It is generally observed that white light makes it easier for drivers to recognize shapes and colour, particularly in the peripheral vision. For pedestrians white light promotes a feeling of security and confidence, much more than under yellow or orange street lighting.



*additional ballast needed for mercury replacements

ConstantColor™ CMH StreetWise™

StreetWise™

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™ ceramic metal halide lamps are an excellent white light energy efficient choice, offering:

- Very efficient, up to 111LPW
- Direct retrofit to sodium sockets (ballast needed for mercury repl.)
- Outstanding Lumen Maintenance – 80% at 12,000hrs
- B10 life 12,000hrs / 16,000hrs, B50% 24,000hrs
- Wide range – 50/70/100/150W
- Dimmable (except 50W on EM) to achieve further energy saving
- Standard base for simplicity
- System flexibility – operates on both Electronic and Electro-magnetic ballasts
- Horizontal burning position, vertical validation available for 70W & 100W
- Lowest cost new system – Standard base, standard ballast, standard optics

When to specify StreetWise™

In applications where lighting class reduction using lamps above Ra8 60 can be considered, StreetWise™ is a clear leader. Its excellent Ra8 value of 70 provides improved colour rendering over similar systems of comparable life and efficiency.



High Intensity Discharge Lamps

Bristol City, UK – efficient & safe

The Challenge

Replace the street lighting for one of the short-listed cities for the 2014 Green Capital Award with a new solution which makes the pedestrians feel safer and reduce the carbon footprint of the city.

Our Solution

GE Lighting has upgraded the street lighting in Bristol to deliver an energy efficient, white light solution with higher efficiency CMH Streetwise™ lamps.



Key Benefits

- Safer roads with white light
- Better facial recognition
- 24,000 hour rated lifetime
- 4.2M KWH and £500,000 saving per year
- Reduced CO₂ emissions
- High lumen maintenance
- Dimmable solution

↓ Reduced energy consumption and CO₂ emission

White light solution

↑ dimmable light ↑ safer roads

"We are delighted with the street lighting upgrade to GE's StreetWise™ ceramic metal halide lamps. Along with other energy reduction projects financed with interest free loans from Salix & Seels the overall result is astounding and will not only make our streets safer but will enable Bristol to save 4.2M kWh and £500,000 per year on our energy bills as well as a reduction in CO₂ emissions."

*Robbie Park,
Principal Lighting Officer
for Bristol City Council*

Selector

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



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

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



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

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



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

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



Double Ended (TD)

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

ConstantColor™ CMH (Ceramic Metal Halide) Reflectors



MR16 Precise™, and Standard

Cap: GX10
Wattages: 20-35W
Colours: 830, 930, 942
Rated life: 10,000 -18,000Hrs



AR111

Cap: GX8.5
Wattages: 35-70W
Colours: 830
Rated life: 12,000Hrs



PAR20

Cap: E27
Wattages: 20-35W
Colours: 830, 942
Rated life: 10,000 -12,000Hrs



PAR30

Cap: E27
Wattages: 20-70W
Colours: 830, 942
Rated life: 10,000 -13,000Hrs

ConstantColor™ CMH (Ceramic Metal Halide) Elliptical and Tubular



Open Rated Elliptical

Cap: E27
Wattages: 70-150W
Colours: 942
Finish: Clear or Diffuse
Rated life: 10,000-15,000Hrs



Elliptical

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



StreetWise™

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



Tubular

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



Open Rated Tubular

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

High Intensity Discharge Lamps

CMH Ballasts



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

Arcstream Metal Halide

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



Single Ended

Cap: G12
Wattages: 70-150W
Colours: 3000-4200K
CRI: 70-80
Rated life: 6,000Hrs



Double Ended

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



Double Ended Coloured

Cap: RX7s-24
Wattages: 150W
Colours: Green, Blue, Orange, Magenta
Rated life: 6,000Hrs



Tubular

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



Elliptical

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

Multi-Vapour Metal Halide

Operates from CWA Control Gear



Standard - Elliptical

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



High Output - Elliptical

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

Kolorarc™ Metal Halide

Operates from suitable mercury or metal halide ballast rated 3.5A and metal halide ignitor



Tubular

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



Elliptical

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

Sportlight™ Metal Halide
For sports and floodlighting



Linear

Cap: RX7s - spec
Wattages: 1500-2000W
Colours: 5200K
CRI: 65
Rated life: 6,000Hrs



Tubular Clear

Cap: E40
Wattages: 1000-2000W
Colours: 4000-6000K
CRI: 65-93
Rated life: 2,000 -8,000Hrs



Internal Ignitor

Cap: E40
Wattages: 2000W
Colours: 4000-6000K
CRI: 65-93
Rated life: 2,000-5,000Hrs

Lucalox™
High Pressure Sodium



Lucalox™ XO Superlife

Cap: E27, E40
Wattages: 50-400W
Feature: Extra high lumen output and Twin Arc tubes for extra life
Finish: Tubular Clear or Elliptical Diffuse
Rated life: 40,000 -60,000Hrs



Lucalox™ XO

Cap: E27, E40
Wattages: 50-600W
Feature: Extra high lumen output
Finish: Tubular Clear or Elliptical Diffuse
Rated life: 32,000 -40,000Hrs



Lucalox Superlife

Cap: E40
Wattages: 250-400W
Feature: Twin Arc tubes for extra life
Finish: Elliptical Diffuse
Rated life: 55,000Hrs



Lucalox™ Standard

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



Lucalox Start

Cap: E27, E40
Wattages: 70-400W
Finish: Tubular clear
Rated life: 12,000-24,000Hrs



Lucalox™ Internal Ignitor

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

Mercury Lamps



Kolorlux™ Mercury Standard*

Cap: E27, E40
Wattages: 50-400W
Rated life: 16,000-20,000Hrs

* only direct shipment



Kolorlux™ Mercury Start*

Cap: E27
Wattages: 125W
Rated life: 12,000 Hrs

* only direct shipment



Mixed Light*

Cap: E27, E40
Wattages: 160-500W
Voltage: 230-240V or 240-250V
Rated life: 8,000Hrs

* only direct shipment

High Intensity Discharge Lamps

Product identification

The following glossary of terms will help you when selecting lamps in this section. Within each product line, lamps are divided into families – within these families, lamps are listed by wattage. The Product Description can be used as a quick reference to each product's attributes. Where Life or Average Life are stated we refer to the industry standard definition of how many hours of operation 50% of a given installation will exceed.

Watts:

Energy Used –
Nominal Watts.
To estimate energy
consumption (kWh),
multiply watts x
hours of use and
divide by 1000

Cap:

The type of cap
fitted. See page
148-149 for cap
drawings

Nominal Volts:

Lamp data
is based on
operation at
rated voltage

Product description:

The lamp's
identification code

Additional parameters:

CCT [K]: Colour Temperature – Kelvins

A measure of the visual "warmth" or "coolness" of the light from the lamp. The higher the value the whiter or "cooler" the light appears.

CRI [Ra]: Colour Rendering Index

An indication of the ability of the lamp to render object colours in a normal, natural way. The higher the number (0-100), the better the colour appearance.

Lumens:

Initial Lumens - light
output at 100 hours

Life (Horizontal):

Rated average life in
horizontal burning
position

EEC:

Energy
Efficiency
Class

Operating position:

U - Universal
HOR - Horizontal
BU - Base Up
VBU - Vertical Base Up

Diameter:

Bulb diameter in mm

ConstantColor™ - CMH Supermini

20	90	GU6.5	CMH20/T/UVC/830/GU6.5	40399	1615	830	U	12,000	12,000	52	13	21.78	A+	12
35	90	GU6.5	CMH35/T/UVC/930/GU6.5	88656	3400	930	U	10000*	10,000*	52	13	44.24	A+	12

CMH 70 / T / UVC / U / 9 30 / G12 ULTRA

(70)
Identifies
Lamp's
wattage

(UVC) UV
Control

(U)
Operating
Position

(G12):
Identifies the
cap type

(CMH) Product Family

CMH -
ConstantColor™ CMH
ARC - Arcstream™
KRC - Kolorarc™
MPR/MVR - Multi-Vapor™
SPL - Sportlight™
LU - Lucalox™
H - Mercury
ML - Blended Light
BLS - Ballast

(T) Identifies the

lamp format.
TD - Double Ended
E - Elliptical Clear
D - Elliptical Diffused
L - Linear
PARxx - PAR + size
T - Tubular Clear

(9) Colour rendering

6 - nom 60, min 57 (Group 2B)
7 - nom 70, min 67 (Group 2A)
8 - nom 80, min 77 (Group 1B)
9 - nom 90, min 87 (Group 1A)

(30) Colour temperature

XX = First 2 digits
of temperature in
Kelvin - XX00K
Example: 30 is 3000K

Colour:

Combination of
colour rendering
and colour
temperature

Length:

Lamp length
in mm

**Energy
Consumption:**
kWh/1000h

Product code:

It is important to
use this code when
ordering to ensure
that you receive the
exact product you
require

Life (Vertical):

Rated average life
in vertical burning
position

Pack quantity:

Number of product
units packed in a case



ConstantColor™ CMH Lamps

Wattage [W]	Volts [V]	Cap	Product Description	Product Code	Lumen [lm]	Colour	Operating position	Rated life (Vertical) [h]	Rated life (Horizontal) [h]	Length [mm]	Diameter [mm]	Energy Consumption [kWh]	EEC	Pack Qty
ConstantColor™ – CMH Supermini														
20	95	GU6.5	CMH20/TC/UVC/830/GU6.5	40399	1615	830	U	12,000	12,000	52	13	21.93	A	12
35	90	GU6.5	CMH35/T/UVC/930/U/GU6.5 PRECISE™	67685	4000	930	U	18,000	18,000	52	13	42.90	A+	12
35	93	GU6.5	CMH35/T/UVC/U/930/GU6.5 ULTRA*	76122	3500	930	U	16,500	16,500	52	13	43.05	A+	12
35	90	GU6.5	CMH35/T/UVC/930/GU6.5	88656	3400	930	U	10,000	10,000	52	13	42.40	A+	12
35	95	GU6.5	CMH35/T/UVC/942/GU6.5	88657	3400	942	U	12,000	12,000	52	13	42.36	A	12

* Will be phased out

ConstantColor™ – CMH Single Ended Mini

20	90	G8.5	CMH20/TC/UVC/U/830/G8.5 PLUS	39858	1650	830	U	12,000	12,000	85	14.5	21,78	A	12
35	90	G8.5	CMH35/T/UVC/U/830/G8.5 Plus	43273	3400	830	U	16,500	16,500	85	14.5	43,40	A+	12
35	90	G8.5	CMH35/TC/UVC/U942/G8.5	26348	3200	942	U	18,000	18,000	85	14.5	44,24	A	12
35	90	G8.5	CMH35/TC/UVC/U/930/G8.5 PRECISE™	67683	4000	930	U	18000	18000	85	14.5	42,90	A+	12
35	93	G8.5	CMH35/TC/U/UVC/930/G8.5 ULTRA*	76120	3600	930	U (ECG/V60 (EM)	16,500	16,500	85	14.5	43,08	A+	12
70	90	G8.5	CMH70/TC/UVC/U/942/G8.5	26349	6200	942	U	15,000	15,000	85	14.5	80,43	A	12
70	85	G8.5	CMH70/TC/UVC/U/830/G8.5 PLUS	67698	7000	830	U	15,000	15,000	85	14.5	79,20	A+	12
70	85	G8.5	CMH70/TC/UVC/U/930/G8.5 PRECISE™	67681	7800	930	U	18000	18000	85	14.5	80,30	A+	12
70	86	G8.5	CMH70/TC/UVC/U/930/G8.5 ULTRA WHITE*	63595	6700	930	U	18,000	18,000	85	14.5	80,61	A+	12
70	86	G8.5	CMH70/TC/UVC/U/930/G8.5 ULTRA*	96751	6200	930	U	18,000	18,000	85	14.5	79,94	A+	12

* Will be phased out

ConstantColor™ – CMH Single Ended

20	90	G12	CMH20/T/UVC/U/830/G12 PLUS	42708	1650	830	U	12 000	12 000	90	14,5	21,78	A	12
35	90	G12	CMH35/T/UVC/U/830/G12 PLUS	43272	3400	830	U	16 500	16 500	90	14,5	43,37	A+	12
35	90	G12	CMH35/T/UVC/U/930/G12 PRECISE™	67684	4000	930	U	18 000	18 000	90	14,5	42,9	A+	12
35	93	G12	CMH35/T/U/UVC/930/G12 ULTRA*	76121	3600	930	U (ECG/V60 (EM)	16 500	16 500	90	14,5	43,06	A+	12
35	90	G12	CMH35/T/UVC/U/942/G12	92141	3200	942	U	18 000	18 000	90	14,5	44,57	A	12
70	90	G12	CMH70/T/UVC/U/830/G12 Plus	67699	7000	830	U	15 000	15 000	90	19	76,48	A+	12
70	90	G12	CMH70/T/UVC/U/942/G12	20013	6000	942	U	15 000	15 000	90	19	80,09	A+	12
70	85	G12	CMH70/T/UVC/U/930/G12 PRECISE™	67682	7800	930	U	18 000	18 000	90	19	80,3	A+	12
70	86	G12	CMH70/T/UVC/U/930/G12 ULTRA WHITE*	63596	6600	930	U	18 000	18 000	90	19	80,3	A+	12
70	86	G12	CMH70/T/UVC/U/930/G12 ULTRA *	96752	6400	930	U	18 000	18 000	90	19	80,08	A+	12
150	90	G12	CMH150/T/UVC/U/830/G12	20012	14000	830	U	12 000	12 000	100	19	160,27	A+	12
150	90	G12	CMH150/T/UVC/U/942/G12	20014	13000	942	U	12 000	12 000	100	19	164,22	A	12

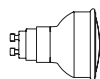
* Will be phased out

ConstantColor™ - CMH Double Ended

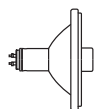
35	90	RX7s	CMH35/TD/UVC/830/RX7s	43278	3400	830	HOR±45°	-	15,000	118	21	41.99	A	12
70	90	RX7s	CMH70/TD/UVC/830/RX7s	36910	7000	830	HOR±45°	-	15,000	118	21	80.73	A+	12
70	90	RX7s	CMH70/TD/UVC/942/RX7s	38698	6200	942	HOR±45°	-	15,000	118	21	79.42	A+	12
150	96	RX7s-24	CMH150/TD/UVC/830/RX7s-24	36912	14500	830	HOR±45°	-	15,000	135	27	158.73	A+	12
150	96	RX7s-24	CMH150/TD/UVC/942/RX7s-24	38692	12500	942	HOR±45°	-	15,000	135	27	155.26	A+	12



High Intensity Discharge Lamps



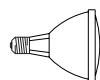
Wattage [W]	Volts [V]	Cup	Product Description	Product Code	Candela [cd]	Beam Angle [°]	Colour	Operating position	Rated life [Vertical] [h]	Rated life [Horizontal] [h]	Length [mm]	Diameter [mm]	Energy Consumption [kWh]	EEC	Pack Qty
ConstantColor™ - CMH MR16															
20	95	GX10	CMH20/MR16/UVC/830/GX10/SP	40400	9000	12	830	U	12,000	12,000	54.5	51	21.73	A	12
20	95	GX10	CMH20/MR16/UVC/830/GX10/FL GX10	40401	2900	25	830	U	12,000	12,000	54.5	51	21.70	A	12
20	95	GX10	CMH20/MR16/UVC/830/GX10/WFL GX10	42691	1500	40	830	U	12,000	12,000	54.5	51	21.76	A	12
35	93	GX10	CMH35/MR16/U/930/GX10/SP PRECISE™	67686	18000	12	930	U	18,000	18,000	54.5	51	39.20	A	12
35	93	GX10	CMH35/MR16/U/930/GX10/FL PRECISE™	67687	7300	25	930	U	18,000	18,000	54.5	51	39.20	A	12
35	93	GX10	CMH35/MR16/U/930/GX10/WFL PRECISE™	67697	3700	40	930	U	18,000	18,000	54.5	51	39.20	A	12
35	90	GX10	CMH35/MR16/UVC/930/GX10/SP GX10	88658	16000	12	930	U	10,000	10,000	54.5	51	42.21	A	12
35	90	GX10	CMH35/MR16/UVC/930/GX10/FL GX10	88659	5500	25	930	U	10,000	10,000	54.5	51	42.17	A	12
35	90	GX10	CMH35/MR16/UVC/930/GX10/WFL GX10	88660	3000	40	930	U	10,000	10,000	54.5	51	42.21	A	12
35	90	GX10	CMH35/MR16/UVC/942/GX10/SP GX10	88661	16000	12	942	U	12,000	12,000	54.5	51	42.26	A	12
35	90	GX10	CMH35/MR16/UVC/942/GX10/FL GX10	88662	5500	25	942	U	12,000	12,000	54.5	51	42.24	A	12
35	90	GX10	CMH35/MR16/UVC/942/GX10/WFL GX10	88663	3000	40	942	U	12,000	12,000	54.5	51	42.20	A	12



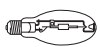
ConstantColor™ - CMH AR111															
35	90	GX8.5	CMH35/R111/UVC/930/GX8.5/SP10	99989	44000	10	930	U	12,000	12,000	95	111	34.32	A	6
35	90	GX8.5	CMH35/R111/UVC/930/GX8.5/FL24	99990	10000	24	930	U	12,000	12,000	95	111	34.32	A	6
35	90	GX8.5	CMH35/R111/UVC/930/GX8.5/FL40	99991	5000	40	930	U	12,000	12,000	95	111	34.32	A	6
70	95	GX8.5	CMH70/R111/UVC/930/GX8.5/SP10	99992	50000	10	930	U (ECG)/V60 (EM)	12,000	12,000	95	111	64.24	A	6
70	95	GX8.5	CMH70/R111/UVC/930/GX8.5/FL24	99993	18000	24	930	U (ECG)/V60 (EM)	12,000	12,000	95	111	64.24	A	6
70	95	GX8.5	CMH70/R111/UVC/930/GX8.5/FL40	99994	8500	40	930	U (ECG)/V60 (EM)	12,000	12,000	95	111	64.24	A	6



ConstantColor™ - CMH PAR 20															
20	95	E27	CMH20PAR20/UVC/830/E27/SP10	26478	13000	10	830	U	12,000	12,000	92	64	21.67	A	15
20	95	E27	CMH20/PAR20/UVC/830/E27/FL25	26481	3750	25	830	U	12,000	12,000	92	64	21.85	A	15
35	90	E27	CMH35/PAR20/UVC/830/E27/SP10	21684	22000	10	830	U	10,000	10,000	92	64	42.68	A	15
35	90	E27	CMH35/PAR20/UVC/830/E27/FL25	21685	7500	25	830	U	10,000	10,000	92	64	42.68	A	15
35	90	E27	CMH35/PAR20/UVC/942/E27/SP10	44890	19450	10	942	U	10,000	10,000	92	64	42.36	A	15
35	90	E27	CMH35/PAR20/UVC/942/E27/FL25	44919	6950	25	942	U	10,000	10,000	92	64	43.75	A	15



ConstantColor™ - CMH PAR 30															
20	95	E27	CMH20PAR30/UVC/830/E27/SP10	26497	19800	10	830	U	12,000	12,000	124	95.5	21.73	A	6
20	95	E27	CMH20PAR30/UVC/830/E27/FL25	26518	4900	25	830	U	12,000	12,000	124	95.5	21.71	A	6
35	90	E27	CMH35/PAR30/UVC/830/E27/SP10	21689	39600	10	830	U	10,000	10,000	124	95.5	43.46	A	6
35	90	E27	CMH35/PAR30/UVC/830/E27/FL 25	21690	11000	25	830	U	10,000	10,000	124	95.5	43.35	A	6
35	90	E27	CMH35/PAR30/UVC/942/E27/SP10	44939	36700	10	942	U	10,000	10,000	124	95.5	43.70	A	6
35	90	E27	CMH35/PAR30/UVC/942/E27/FL25	44942	10200	25	942	U	10,000	10,000	124	95.5	43.54	A	6
70	90	E27	CMH70/PAR30/UVC/830/E27/SP15	21683	42800	15	830	U	13,000	13,000	124	95.5	81.79	A	6
70	90	E27	CMH70/PAR30/UVC/830/E27/FL40	21682	10000	40	830	U	13,000	13,000	124	95.5	81.72	A	6
70	90	E27	CMH70/PAR30/UVC/942/E27/SP15	74620	33500	15	942	U	10,000	10,000	124	95.5	82.62	A	6
70	90	E27	CMH70/PAR30/UVC/942/E27/FL40	74619	9000	40	942	U	10,000	10,000	124	95.5	82.62	A	6



ConstantColor™ - CMH Elliptical Clear															
70	97	E27	CMH70/E/UVC/U/830/E27/C	97982	6300	-	830	U	15,000	15,000	138	54	77.70	A+	6
100	102	E27	CMH100/E/UVC/U/830/E27/C	97984	9200	-	830	U	15,000	15,000	138	54	110.92	A+	6

Wattage [W]	Volts [V]	Cap	Product Description	Product Code	Lumen [lm]	Colour	Operating position	Rated life (Vertical) [h]	Rated life (Horizontal) [h]	Length [mm]	Diameter [mm]	Energy Consumption [kWh]	EEC	Pack Qty
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ConstantColor™ - CMH Elliptical Clear, Open Rated

150	95	E27	CMH150/UVC/O/U/942/E27/C	43285	13200	942	U	15,000	15,000	138	55	163.27	A	6
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ConstantColor™ - CMH Elliptical Diffuse

70	97	E27	CMH70/E/UVC/U/830/E27/D	97979	6000	830	U	15,000	15,000	138	54	78.85	A	6
100	102	E27	CMH100/E/UVC/U/830/E27/D	97985	8700	830	U	10,000	10,000	138	54	110.37	A+	6
250	117	E40	CMH250/E/UVC/U/830/E40/D	10591	23500	830	U	24,000	24,000	227	90	289.38	A+	12
400	120	E40	CMH400/E/UVC/U/830/E40/D	13087	39000	830/836	U	20,000	20,000	282	120	453.86	A+	6



ConstantColor™ - CMH Elliptical Diffuse, Open Rated

70	97	E27	CMH70/UVC/O/U/940/E27/D	43282	5300	940	U	15,000	15,000	138	54	83.98	A	6
150	95	E27	CMH150/UVC/O/U/940/E27/D	43286	12300	940	U	15,000	15,000	138	55	164.63	A	6

ConstantColor™ - CMH Tubular Clear StreetWise

50	80	E27	CMH50/TT/UVC/730/E27 STREETWISE ECG	64982	5000	730	HOR±15	-	24,000	156	39	55.00	A+	12
50	85	E27	CMH50/TT/UVC/730/E27 STREETWISE EM	77400	4500	730	HOR±15	-	24,000	156	39	57.20	A+	12
70	95/90	E27	CMH70/TT/UVC/730/E27 STREETWISE	77401	7640/7100	730	HOR±15/VBU	20,000	24,000	156	39	78.10	A+	12
100	100/95	E40	CMH100/TT/UVC/730/E40 STREETWISE	77399	10900/10300	730	HOR±15/VBU	20,000	24,000	211	48	107.80	A+	12
150	100	E40	CMH150/TT/UVC/730/E40 STREETWISE	77402	16200	730	HOR±15	-	24,000	211	48	165.00	A+	12



ConstantColor™ - CMH Tubular Clear

70	95	E27	CMH70/TT/UVC/830/E27	38752	6400	830	U	15,000	20,000	156	37	80.71	A+	12
100	109	E40	CMH100/TT/UVC/830/E40	92478	9200	830	U	10,000	15,000	209	48	110.28	A+	12
150	95	E40	CMH150/UVC/T/U/842/E40	21514	14500	842	U	15,000	15,000	209	48	160.27	A+	12
150	100	E40	CMH150/TT/UVC/830/E40	38749	14000	830	U	15,000	20,000	209	48	164.51	A+	12
250	117	E40	CMH250/TT/UVC/U/830/E40	10589	25000	830	U	24,000	24,000	260	48	288.20	A+	12
250	110	E40	KRC250/CMH/830/T/H/E40	20302	20000	830	HOR	-	24,000	260	48	241.52	A	12
250	107	E40	CMH250/T/U/942/E40	62356	25000	942	U	16,000*	16,000*	260	48	285.53	A+	12
400	120	E40	CMH400/TT/UVC/U/830/E40	13067	41000	830/836	U	20,000	20,000	278	60	454.14	A+	12

*830 in horizontal burning position, 836 in vertical burning position



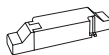
ConstantColor™ - CMH Tubular Clear, Open Rated

150	100	E40	CMH150/UVC/O/T/U/830/E40	21516	14000	830	U	12,000	12,000	209	48	161.06	A+	12
150	100	E40	CMH150/UVC/O/T/U/942/E40	21517	14000	942	U	12,000	12,000	209	48	163.36	A	12



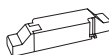
CMH Standard Ballast

35	220-240	BLS/E/35W/CMH	61487	integral	350	10
35	220-240	BLS/E/35W/CMH /R CC	61488	remote cable clamp	370	10
70	220-240	BLS/E/70W/CMH	61376	integral	350	10



CMH Miniature Ballast

20	220-240	BLS/E/20W/CMH	78711	integral	165	12
20	220-240	BLS/E/20W/CMH/R/CC	78712	remote cable clamp	180	12
35	220-240	BLS/E/35W/CMH	78714	integral	165	12
35	220-240	BLS/E/35W/CMH/R/CC	78715	remote cable clamp	180	12



High Intensity Discharge Lamps

Metal Halide Lamps



Wattage [W]	Volts [V]	Cap	Product Description	Product Code	Lumen [lm]	CCT [K]	CRI [Ra]	Operating position	Rated life (Vertical) [h]	Rated life (Horizontal) [h]	Length [mm]	Diameter [mm]	Energy Consumption [kWh]	EEC	Pack Qty
Arcstream™ Single Ended RG-2															
150	95	G12	ARC150/G12/830*	88654	12000	3000	80	U	6,000	6,000	76	21.5	165.00	A	10
150	95	G12	ARC150/G12/842*	88655	11500	4200	80	U	6,000	6,000	76	21.5	165.00	A	10


WARNING: UV emitted from lamps in Risk Group 2 and 3. Avoid eye and skin exposure to unshielded product. / * Will be phased out.




Arcstream™ Single Ended UVC															
70	95	G12	ARC70/T/U/730/G12*	97286	5200	3000	70	U	6,000	6,000	87	23	77.00	A	10

* Will be phased out.



Wattage [W]	Volts [V]	Cap	Product Description	Product Code	Lumen [lm]	CCT [K]	CRI [Ra]	Operating position	Rated life (Horizontal) [h]	Length [mm]	Diameter [mm]	Weighted Energy Cons. [kWh/1000h]	Energy Efficiency Class (EEC)	Pack Qty
Arcstream™ Double Ended UVC 														
70	95	RX7s	ARC70/UVC/TD/730/Rx7s	34530	5500	3000	75	HOR±45°	12,000	114	19	82.50	A	12
70	95	RX7s	ARC70/UVC/TD/742/Rx7s	34536	5500	4200	75	HOR±45°	12,000	114	22	82.50	A	12
150	95	RX7s-24	ARC150/UVC/TD/732/Rx7s-24	34527	12000	3200	75	HOR±45°	12,000	132	22	165.00	A	12
150	95	RX7s-24	ARC150/UVC/TD/742/Rx7s-24	34535	12000	4200	75	HOR±45°	12,000	132	25	165.00	A	12



Arcstream™ Double Ended  RG-3														
150	95	RX7s-24	ARC150/AQUA/TD/865/Rx7s-24	35284	11000	6500	85	HOR±45°	8,000	132	25	165.00	A	12
150	110	RX7s-24	ARC150/TD/952/Rx7s-24	93772	11000	5200	90	HOR±45°	8,000	132	25	165.00	A	12
250	114	Fc2	ARC250/TD/832/Fc2	30099	20000	3200	75	HOR±45°	12,000	163	25	275.00	A	12
250	115	Fc2	ARC250/TD/842/Fc2	30101	20000	4200	75	HOR±45°	8,000	163	25	275.00	A	12

WARNING: UV emitted from lamps in Risk Group 2 and 3. Avoid eye and skin exposure to unshielded product.



Colour	Wattage [W]	Volts [V]	Cap	Product Description	Product Code	Operating position	Rated life (Horizontal) [h]	Length [mm]	Diameter [mm]	Weighted Energy Cons. [kWh/1000h]	Energy Efficiency Class (EEC)	Pack Qty
Arcstream™ Double Ended Coloured UVC												
green	150	95	RX7S-24	ARC150/UVC/TD/GREEN/RX7S-24	12181	HOR±45°	6,000	132	25	165.00	B	12
blue	150	95	RX7S-24	ARC150/UVC/TD/BLUE/RX7S-24	12182	HOR±45°	6,000	132	25	165.00	C	12
magenta	150	95	RX7S-24	ARC150/UVC/TD/MAGENTA/RX7S-24	12184	HOR±45°	6,000	132	25	165.00	B	12



Wattage [W]	Volts [V]	Cap	Product Description	Product Code	Lumen [lm]	CCT [K]	CRI [Ra]	Operating position	Rated life (Vertical) [h]	Rated life (Horizontal) [h]	Length [mm]	Diameter [mm]	Weighted Energy Cons. [kWh/1000h]	Energy Efficiency Class (EEC)	Pack Qty
Arcstream™ Tubular Clear															
250	100	E40	ARC250/T/H/960/E40	32664	19000	6000	90	HOR±45°	-	12,000	220	47	299.58	A	12
250	100	E40	ARC250/T/H/960/E40 MIC	93010351	19111	6000	90	HOR±45°	-	12,000	220	47	287.10	A	12
250	100	E40	ARC250/T/VBU/960/E40	32665	19000	6000	90	BU±45°	12,000	-	220	47	295.64	A	12
250	112	E40	ARC250/T/H/742/E40	42357	21000	4200	70	HOR±15°	-	12,000	220	48	294.89	A	12
400	105	E40	ARC400/T/H/742/E40	42369	35000	4200	70	HOR±15°	-	12,000	260	47	444.20	A	12

 The lamp shall be operated only in a luminaire provided with a protective shield.

Wattage [W]	Volts [V]	Cap	Product Description	Product Code	Lumen [lm]	CCT [K]	CRI [Ra]	Operating position	Rated life (Vertical) [h]	Rated life (Horizontal) [h]	Length [mm]	Diameter [mm]	Energy Consumption [kWh]	EEC	Pack Qty
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Arcstream™ Elliptical Diffuse

250	100	E40	ARC250/D/H/740/E40	16870	19500	4000	70	HOR±15°	-	14,000	227	90	294.12	A	10
250	100	E40	ARC250/D/H/960/E40	30047	17000	6000	90	HOR±45°	-	12,000	227	91	294.94	B	12
250	100	E40	ARC250/D/VBU/960/E40	32666	17000	6000	90	VBU±45°	12,000	-	227	90	294.71	A	12

Operating from suitable metal halide / high pressure sodium (HPS) ballast and metal halide ignitor. Arcstream™ lamps are only suitable for operation in fully enclosed fixtures where lens/diffuser material must be able to contain fragments of hot quartz or glass (up to 1100°C)

Multi-Vapor™ Elliptical Clear

175**	132	E40	MVR175/U/40*	85973	13600	4000	55	U	10 000	10 000	211	90	192.50	A	
250**	133	E40	MVR250/U/40*	85952	20800	4200	65	U	10,000	10,000	211	90	274.89	A	12
400**	135	E40	MVR400/U/40*	85944	40000	4000	65	U	20,000	20,000	292	117	440.00	A+	6
1000**	V250 H245	E40	MVR1000/U/40	85924	108000	4000	65	U	15,000	15,000	390	178	1188.00	A+	6

*Non EU Product

**Performance data claimed for vertical position

Multi-Vapor™ Elliptical Diffuse

175**	132	E40	MVR175/C/U/40*	85974	12900	3900	55	U	10 000	10 000	211	90	192.50	A	
250**	133	E40	MVR250/C/U/40*	85953	20000	3900	70	U	10,000	10,000	211	90	275.00	A	12
400**	135	E40	MVR400/C/U/40	85951	40000	3700	70	U	20,000	20,000	292	117	440.00	A+	6

*Non EU Product

**Performance data claimed for vertical position

Multi-Vapor™ High Output Elliptical Clear

250	133	E40	MVR250/VBU/40	86004	22000	4200	65	VBU±15°	10,000	-	216	89	275.00	A	12
400	135	E40	MVR400/VBU/40	86000	41000	4000	65	VBU±15°	20,000	-	295	117	440.00	A+	6

Multi-Vapor™ High Output Elliptical Diffuse

250	133	E40	MVR250/C/VBU/40	86009	20000	4000	65	VBU±15°	10,000	-	216	89	275.00	A	12
400*	135	E40	MPR400/C/VBU/0/40	85906	38000	3200	70	VBU±15°	20,000	-	295	117	440.00	A+	6
400	135	E40	MVR400/C/VBU/40	85977	40000	3700	70	VBU±15°	20,000	-	295	117	440.00	A+	6

Operating from CWA control gear. Initial lumen values and Rated Average Life based on vertical orientation for Universal types. Multi-Vapor™ lamps must operated in fully enclosed fixtures except those marked *when used VBU or VBD +/-15°. For lamps requiring enclosed fixtures, lens/diffuser material must be able to contain fragments of hot quartz or glass (up to 1100 °C). Lamps operated in the vertical position that are not designated "Enclosed Fixtures only" lamp may be used in an open or enclosed lighting fixture depending upon the application and operating environment. For example, if the lamp is located near combustible material or in an area which is unoccupied for extended periods, an enclosed fixture which can contain fragments of hot quartz or glass is recommended. For more information contact your fixture manufacturer.

Kolorarc™ Tubular Clear

400	130	E40	KRC400/T/H/960/E40	30052	28400	6000	90	HOR±45°	-	14,000	270	58	418.43	A	12
400	130	E40	KRC400/T/VBU/960/E40	30704	27000	6000	90	VBU±45°	14,000	-	270	58	404.76	A	12

Kolorarc™ Elliptical Clear

400	135	E40	KRC400/E/VBU/645/E40 *	16871	33500	4500	65	VBU±30°	14,000	-	286	122	413.23	A	10
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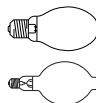
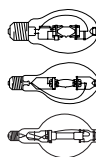
* Will be phased out

Kolorarc™ Elliptical Diffuse

400	130	E40	KRC400/D/H/960/E40 *	10834	26800	6000	90	HOR±45°	-	14,000	282	121	408.00	B	6
400	130	E40	KRC400/D/VBU/960/E40	10837	25400	6000	90	VBU±45°	14,000	-	282	121	405.66	A	6
400	135	E40	KRC400/D/VBU/740/E40	16872	33500	4000	70	VBU±30°	14,000	-	286	122	412.21	A	10
400	135	E40	KRC400/D/H/740/E40 *	16875	38000	4000	70	HOR±15°	-	14,000	286	120	419.74	A+	10

Operating from suitable mercury or metal halide ballast rated 3.5A and metal halide ignitor. Low loss ballast recommended for 400W 6000K (960) products - see lamp data sheet for details. Enhanced lumen performance operating from special "High Output" ballast rated 3.8A - see lamp data sheet for details. Kolorarc™ lamps are only suitable for operation in fully enclosed fixtures where lens/diffuser material must be able to contain fragments of hot quartz or glass (up to 1100 °C)

* Will be phased out



High Intensity Discharge Lamps

Metal Halide Lamps (continued)

Wattage [W]	Volts [V]	Cap	Product Description	Product Code	Lumen [lm]	CCT [K]	CRI [Ra]	Operating position	Rated life (Vertical) [h]	Rated life (Horizontal) [h]	Length [mm]	Diameter [mm]	Energy Consumption [kWh]	EEC	Pack Qty
Sportlight™ Linear															
1500	250	RX7SM	SPL1500/L/H/652/Rx7SM	16920	120000	5200	65	HOR±15°	-	6,000	256	24	1672.00	A	1
2000	230	spec.	SPL2000/L/H/651/SPEC	16922	200000	5200	65	HOR±15°	-	6,000	311	26	2339.36	A	1

Sportlight™ Tubular Clear

1000	120	E40	SPL1000/T/H/960/E40	88882	80000	6000	93	HOR±60°	-	8,000	334	65	1147.07	A	4
2000	125	E40	SPL2000/220V/T/H/640/E40	36078	189000	4000	65	HOR±75°	-	2,000	430	102	2090.00	A+	4
2000	225	E40	SPL2000/380V/T/H/960/E40	30102	170000	6000	93	HOR±60°	-	5,000	430	102	2294.78	A	4


Sportlight™ Internal Ignitor

2000	225	E40	SPL2000/380V/I/T/H/960/E40	30103	170000	6000	93	HOR±60°	-	5,000	430	101	2291.96	A	4
2000	235	E40	SPL2000/380V/I/T/H/640/E40	33148	190000	4000	65	HOR±75°	-	2,000	430	101	2182.21	A+	4

Please refer to technical data sheet for appropriate ballast and ignitors. Sportlight™ lamps are only suitable in fully enclosed fixtures, where fixture lens/diffuser material must be able to contain fragments of hot quartz or glass (up to 1100° C)

△ Internal Ignitor

High Pressure Sodium

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 Superlife Tubular Clear 														
70	90	E27	LU 70/XO/SBY/T/E27	88258	6600	2000	25	U	50,000	156	39	83.06	A+	25
100	100	E40	LU 100/XO/SBY/T/E40	88256	10500	2000	25	U	60,000	211	48	110.24	A+	12
150	100	E40	LU 150/XO/SBY/T/E40	78737	17500	2000	25	U	60,000	211	48	168.90	A+	12
250	100	E40	LU 250/XO/SBY/T/E40	78738	33000	2000	25	U	55,000	260	48	288.68	A+	12
400	100	E40	LU 400/XO/SBY/T/E40	78739	55800	2000	25	U	55,000	283	48	450.56	A++	12

Lucalox™ XO Superlife Elliptical Diffuse

50	85	E27	LU50/85/XO/SBY/D/E27	97238	3500	2000	25	U	40,000	156	72	58.30	A	12
70	90	E27	LU70/XO/SBY/D/E27	88257	6000	2000	25	U	50,000	156	71	80.28	A	12
100	100	E40	LU100/XO/SBY/D/E40	88255	10000	2000	25	U	60,000	186	75	113.30	A+	12

Lucalox™ XO Tubular Clear


50	85	E27	LU50/85/XO/T/27	93373	4400	2100	25	U	35,000	156	39	59.63	A	25
70	90	E27	LU70/90/XO/T/27	93375	6600	2100	25	U	40,000	156	39	80.43	A+	25
100	100	E40	LU100/100/XO/T/40	93376	10700	2100	25	U	40,000	211	48	111.89	A+	12
150	100	E40	LU150/150/XO/T/40	93377	17500	2100	25	U	40,000	211	48	168.30	A+	12
250	100	E40	LU250/XO/T/40	93378	33200	2100	25	U	40,000	260	48	285.73	A+	12
400	100	E40	LU400/XO/T/40	93269	56500	2100	25	U	32,000	292	48	448.34	A++	12
600	115	E40	LU600/XO/T/40	93270	88500	2100	25	U	32,000	292	48	667.21	A++	12

Lucalox™ XO Elliptical Diffuse

50	85	E27	LU50/85/XO/D/27	45696	3600	2100	25	U	35,000	156	72	58.31	A	12
70	90	E27	LU70/90/XO/D/27	45697	6000	2100	25	U	40,000	156	72	83.83	A	12
100	100	E40	LU100/100/XO/D/40	93379	10200	2100	25	U	40,000	186	76	112.19	A+	12
150	100	E40	LU150/100/XO/D/40	93380	16900	2100	25	U	40,000	227	91	170.14	A+	12
250	100	E40	LU250/XO/D/40	93381	31200	2100	25	U	40,000	227	91	285.67	A+	12
400	105	E40	LU400/XO/D/40	93296	54000	2100	25	U	32,000	292	122	443.02	A+	6

△ External Ignitor, △ Internal Ignitor



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 														
250	100	E40	LU250/SBY/D/E40*	35590**	26000	2000	25	U	55,000	227	91	275.65	A+	12
400	105	E40	LU400/SBY/D/E40*	35591	48000	2000	25	U	55,000	282	122	456.21	A+	6

* Non EU product / ** Will be phased out

Lucalox™ Standard Tubular Clear

70	90	E27	LU 70/90/MO/T/E27	46221	6100	2000	25	U	28,500	156	39	77.98	A+	25
100	100	E40	LU100/100/MO/T/40	93767	9600	2000	25	U	28,500	211	48	107.57	A+	12
150	100	E40	LU150/100/HO/T/E40	97241	17500	2000	25	U	24,000	283	48	172.70	A+	12
150	100	E40	LU150/100/40*	44244	15300	2000	25	U	28,500	211	48	163.71	A+	12
250	100	E40	LU250/T/40*	22453	28500	2000	25	U	28,500	260	48	276.78	A+	12
250	100	E40	LU250/HO/T/E40 MIC	93010296	32500	2000	25	U	24,000	260	48	283.42	A+	12
400	100	E40	LU400/HO/T/E40	97240	56500	2000	25	U	24,000	260	48	444.40	A++	12
400	100	E40	LU400/T/40*	11678	48000	2000	25	U	28,500	278	48	431.83	A+	12
1000	250	E40	LU1000/40	85886	130000	2100	22	U	24,000	383	79	1100.00	A+	6
1000	110	E40	LU1000/110/T/40	45751	130000	2000	25	U	24,000	374	68	1067.10	A++	4

* Non EU product

Lucalox™ Standard Elliptical Diffuse

70	90	E27	LU70/90/MO/D/E27	46217	5750	2000	25	U	28,500	156	72	77.79	A	12
100	100	E40	LU100/100/MO/D/40*	93766	9200	2000	25	U	28,500	186	76	114.72	A+	12
150	100	E40	LU150/100/D/40*	44245	14500	2000	25	U	28,500	227	91	163.68	A+	12
250	100	E40	LU250/D/40*	44052	26000	2000	25	U	28,500	227	91	276.44	A+	12
400	105	E40	LU400/D/40*	44057	48000	2000	25	U	28,500	282	122	444.01	A+	6

* Non EU product

Lucalox™ Internal Ignitor Elliptical Clear

70	90	E27	LU 70/90/MO/I/E27	46209	6100	2000	25	U	17,500	156	72	79.39	A+	12
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Lucalox™ Internal Ignitor Elliptical Diffuse

50	85	E27	LU50/85/MO/D/I/E27*	88556**	3300	2000	25	U	12,000	156	72	56.22	A	12
70	90	E27	LU70/90/MO/D/I/E27	46186	5750	2000	25	U	17,500	156	72	78.17	A	12

* Non EU product

** Will be phased out

 External Ignitor,  Internal Ignitor



High Intensity Discharge Lamps

High Pressure Mercury Lamps

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
Kolorlux™ Mercury Standard														
50	95	E27	OT H50/27 1/24 MIC DS*	65206	1800	4000	40	U	16,000	130	55	57.27	B	24
80	115	E27	OT H80/27 1/24 MIC DS*	64992	3800	4000	45	U	20,000	156	70	90.73	B	24
125	125	E27	H125/27 1/24 MIC DS*	62360	6300	4000	45	U	20,000	170	75	141.64	B	24
250	130	E40	H250/40 1/12 MIC DS*	62361	13000	4000	40	U	20,000	227	90	275.58	B	12
400	135	E40	OT H400/40 1/12 MIC DS*	63674	22500	4000	40	U	20,000	292	120	441.21	B	12

* Non EU product, only full cntr order

Kolorlux™ Mercury Start

125	125	E27	H125/E27/GE/START 1/24 MIC DS*	62359	5800	4000	40	U	12,000	178	76	139.53	B	24
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* Non EU product, only full cntr order

Mixed Light

160	230-240	E27	OT ML 230-240V 160W E27 GE 1/24 MIC DS*	63675	3100	4200	52	VBU±30	8,000	170	76	185.34	D	24
250	230-240	E40	OT ML 230-240V 250W E40 GE 1/12 MIC DS*	63678	5500	3800	52	U	8,000	227	91	277.44	C	12
250	230-240	E27	OT ML 230-240V 250W E27 GE 1/12 MIC DS*	63677	5500	3800	52	U	8,000	227	91	277.44	C	12
500	230-240	E40	OT ML 230-240V 500W E40 GE 1/10 MIC DS*	63676	14000	3800	45	U	8,000	292	121	545.37	B	10

* Non EU product, only full cntr order



Brand cross reference

The following pages show GE and alternative brand Order Codes. These cross references are provided as a quick guide and may only represent a near equivalent to other brands. The table contains data from alternative brands' catalogues and website.

GE	OSRAM	PHILIPS	Havells Sylvania	Venture
ConstantColor CMH™				
CMH50/TT/UVC/730/E27 STREETWISE	-	CDO-TT 50W/828 E27	-	-
CMH35/T/UVC/930/GU6.5	HCI-TF 35/930 WDL PB GU6.5	-	-	-
CMH35/T/UVC/930/GU6.5 Precise	-	CDM-Tm Elite Mini GU6.5 35W/930	-	-
CMH35/T/UVC/942/GU6.5	-	-	-	-
CMH20/TC/UVC/U/830/G8.5 Plus	HCI-TC 20W/830 WDL PB G8.5	CDM-TC 20W/830 G8.5	-	-
CMH35/TC/UVC/U/930/G8.5 Precise	HCI-TC 35/930 WDL PB Excellence G8.5	CDM-TC Elite 35W/930 G8.5	-	-
CMH70/TC/UVC/U/830/G8.5 Plus	HCI-TC 70W/830 WDL PB G8.5	CDM-TC 70W/830 G8.5	-	-
CMH70/TC/UVC/U/942/G8.5	HCI-TC 70W/942 NDL PB G8.5	CDM-TC 70W/942 G8.5	-	-
CMH70/TC/UVC/U/930/G8.5 Precise	HCI-TC 70/930 WDL PB Excellence G8.5	CDM-TC Elite 70W/930 G8.5	-	-
CMH20/T/UVC/U/830/G12 Plus	-	CDM-T 20W/830 G12	-	-
CMH35/T/UVC/U/830/G12 Plus	HCI-T 35W/830 WDL PB G12	CDM-T 35W/830 G12	-	-
CMH35/T/UVC/U/930/G12 Precise	HCI-T 35/930 WDL PB Excellence	CDM-T Elite 35W/930 G12	-	-
CMH35/T/UVC/U/942/G12	HCI-T 35W/942 NDL PB UVS G12	CDM-T 35W/942 G12	-	-
CMH70/T/UVC/U/942/G12	HCI-T 70W/942 NDL PB UVS G12	CDM-T 70W/942 G12	-	-
CMH70/T/UVC/U/930/G12 Precise	HCI-T 70/930 WDL PB Excellence	CDM-T Elite 70W/930 G12	-	-
CMH150/T/UVC/U/830/G12	HCI-T 150W/830 WDL PB G12	CDM-T 150W/830 G12	-	-
CMH150/T/UVC/U/942/G12	HCI-T 150/NDL PB UVS G12	CDM-T 150W/942 G12	-	-
CMH35/TD/UVC/830/RX7s	-	-	-	-
CMH70/TD/UVC/830/Rx7s	HCI-TS 70W/830 WDL PB UVS RX7S	CDM-TD 70W/830 RX7s	-	-
CMH70/TD/UVC/942/Rx7s	HCI-TS 70W/942 NDL PB UVS RX7S	CDM-TD 70W/942 RX7s	-	-
CMH150/TD/UVC/830/Rx7s-24	HCI-TS 150W/830 WDL PB RX7S-24	CDM-TD 150W/830 RX7s-24	-	-
CMH150/TD/UVC/942/Rx7s-24	HCI-TS 150W/942 NDL PB RX7S-24	CDM-TD 150W/942 RX7s-24	-	-
CMH20/PAR20/UVC/830/E27/SP10	-	-	-	-
CMH20/PAR20/UVC/830/E27/FL25	-	-	-	-
CMH35/PAR20/UVC/830/E27/SP10	HCI-PAR20 35W/830 WDL PB SP 10D	CDM-R 35W/830 E27 PAR20L10D	-	-
CMH35/PAR20/UVC/830/E27/FL25	HCI-PAR20 35W/830 WDL PB FL 30D	CDM-R 35W/830 E27 PAR20L30D	-	-
CMH35/PAR20/UVC/942/E27/SP10	-	CDM-R 35W/942 E27 PAR20L10D	-	-
CMH35/PAR20/UVC/942/E27/FL25	-	CDM-R 35W/942 E27 PAR20L30D	-	-
CMH35/PAR30/UVC/830/E27/SP10	HCI-PAR30 35W/830 WDL PB SP 10D	CDM-R 35W/830 E27 PAR30L10D	-	-
CMH35/PAR30/UVC/942/E27/SP10	HCI-PAR30 35W/942 NDL PB SP 10D	CDM-R 35W/942 E27 PAR30L10D	-	-
CMH35/PAR30/UVC/942/E27/FL25	HCI-PAR30 35W/942 NDL PB FL 30D	CDM-R 35W/942 E27 PAR30L30D	-	-
CMH70/PAR30/UVC/830/E27/SP15	HCI-PAR30 70W/830 WDL SP E27	CDM-R 70W/830 E27 PAR30L10D	-	-
CMH70/PAR30/UVC/830/E27/FL40	HCI-PAR30 70W/830 WDL FL E27	CDM-R 70W/830 E27 PAR30L40D	-	-
CMH70/PAR30/UVC/942/E27/SP15	HCI-PAR30 70W/942 NDL PB SP 10D	CDM-R 70W/942 E27 PAR30L10D	-	-
CMH70/PAR30/UVC/942/E27/FL40	HCI-PAR30 70W/942 NDL PB FL 30D	CDM-R 70W/942 E27 PAR30L40D	-	-
CMH70/E/UVC/U/830/E27/C	HCI-ET 70W/830 WDL PB	CDM-ET 70W /830 E27	-	-
CMH100/E/UVC/U/830/E27/C	-	CDM-ET 100W /830 E40	-	-
CMH150/UVC/O/U/942/E27/C	HCI-E/P 150W/942 NDL PBMO CL E27	-	-	-
CMH70/E/UVC/U/830/E27/D	HCI-E/P 70W/830 NDL PB COE27	CDO-ET Coated 70W/828 E27	-	-
CMH70/UVC/O/U/940/E27/D	HCI-E/P 70W/942 NDL Coated E27	-	-	-
CMH100/E/UVC/U/830/E27/D	HCI-E/P 100W/830 WDL PB Coated E27	CDO-ET Coated 100W/828 E40	-	-
CMH150/UVC/O/U/940/E27/D	HCI-E/P 150W/942 NDL PB MO E27	CDO-ET Coated 150W/828 E40	-	-
CMH250/E/UVC/U/830/E40/D	HCI-E 250W/830 WDL PB E40	-	-	-
CMH400/E/UVC/U/830/E40/D	-	-	-	-
CMH35/R111/UVC/930/GX8.5/SP10	-	CDM-R111 35W/830 GX8.5 10D	-	-
CMH35/R111/UVC/930/GX8.5/FL24	-	CDM-R111 35W/830 GX8.5 24D	-	-
CMH35/R111/UVC/930/GX8.5/FL40	-	CDM-R111 35W/830 GX8.5 40D	-	-
CMH70/R111/UVC/930/GX8.5/SP10	-	CDM-R111 70W/830 GX8.5 10D	-	-
CMH70/R111/UVC/930/GX8.5/FL24	-	CDM-R111 70W/830 GX8.5 24D	-	-
CMH70/R111/UVC/930/GX8.5/FL40	-	CDM-R111 70W/830 GX8.5 40D	-	-
CMH70/TT/UVC/830/E27	HCI-T/P 70W/830 WDL PB E27	-	-	CM-PLUS TT 70W/U/UVS/830
CMH70/TT/UVC/730/E27 STREETWISE	-	CDO-TT 70W /828 E27	-	-
CMH100/TT/UVC/830/E40	HCI-TT 100/830 WDL PB E40	-	-	CM-PLUS TT 100W/U/UVS/830
CMH100/TT/UVC/730/E40 STREETWISE	-	CDO-TT 100W /828 E27	-	-
CMH150/TT/UVC/830/E40	HCI-T/P 150W/830 WDL PB E40	-	-	CM-PLUS TT 150W/U/UVS/830
CMH150/TT/UVC/730/E40 STREETWISE	-	CDO-TT 150W/828 E40	-	-
CMH150/UVC/T/U/842/E40	HCI-TT 150/830 WDL PB E40	-	-	CM-PLUS TT 150W/U/UVS/942
CMH150/UVC/O/T/U/830/E40	HCI-T/P 150W/830 NDL PB E40	-	-	-
CMH150/T/UVC/O/U/942/E40	HCI-T/P 150W/942 NDL PB E40	-	-	-
CMH250/TT/UVC/U/830/E40	HCI-T 250W/830 WDL PB E40	CDO-TT 250W /828 E27	-	-
KRC250/CMH/830/T/H/E40	-	-	-	-
CMH400/TT/UVC/U/830/E40	-	-	-	-

High Intensity Discharge Lamps

GE	OSRAM	PHILIPS	Havells Sylvania	Venture
Arcstream™				
ARC70/T/U/730/G12	HQI T 70/WDL	-	HSI-T 70W/WDL	-
ARC70/T/U/742/G12	HQI T 70/NDL	-	HSI-T 70W/NDL	-
ARC150/G12/830	HQI T 150/WDL	-	HSI-T 150W/WDL	HIT 150W/G12/UVS/3K
ARC150/G12/842	HQI T 150/NDL	-	HSI-T 150W/NDL	HIT 150W/G12/UVS/4K
ARC70/UVC/TD/730/Rx7s	HQI TS 70/WDL UVS	-	HSI-TD 75W/WDL 3K UVS	MH-DE 70W/UVS/3K
ARC70/UVC/TD/742/Rx7s	HQI TS 70/NDL UVS	-	HSI-TD 75W/NDL 4K UVS	MH-DE 70W/UVS/4K
ARC150/UVC/TD/732/Rx7s-24	HQI TS 150/WDL UVS	-	HSI-TD 150W/WDL 3K UVS	MH-DE 150W/UVS/3K
ARC150/UVC/TD/742/Rx7s-24	HQI TS 150/NDL UVS	-	HSI-TD 150W/NDL 4K UVS	MH-DE 150W/UVS/4K
ARC150/TD/952/Rx7s-24	HQI TS 150/D UVS	-	HSI-TD 150W/D 5K UVS	-
ARC150/UVC/AQUA/TD/865/Rx7s-24	-	-	-	MH-DE 150W/UVS/FS/6K
ARC250/TD/832/Fc2	HQI TS 250/WDL UVS	-	HSI-TD 250W/NDL 3K UVS	MH-DE 250W/UVS/3K/Fc2
ARC250/TD/842/Fc2	HQI TS 250/NDL UVS	-	HSI-TD 250W/NDL 4K UVS	MH-DE 250W/UVS/4K/Fc2
ARC150/UVC/TD/GREEN/RX7S-24	-	-	-	MH-DE 150W/UVS/GDX
ARC150/UVC/TD/BLUE/RX7S-24	-	-	-	MH-DE 150W/UVS/BDX
ARC150/UVC/TD/ORANGE/RX7S-24	-	-	-	-
ARC150/UVC/TD/MAGENTA/RX7S-24	-	-	-	MH-DE 150W/UVS/MDX
ARC250/T/VBU/960/E40	HQI-T 250/D*	-	HSI-T 250W / 6K*	-
ARC250/T/H/960/E40	-	-	HSI-T 250W / 6K*	-
ARC400/T/H/742/E40	HQI-T 400/N*	MASTER HPI-T Plus 400W/645 E40 1SL*	HSI-TSX 400W*	HIT 400W/U/EURO/4K*
ARC250/D/H/740/E40	-	MASTER HPI Plus 250W/745 BU E40 1SL*	HSI-SX 250W/CO*	-
ARC250/D/H/960/E40	HQI-E 250/D*	-	-	-
ARC250/D/VBU/960/E40	HQI-E 250/D*	MASTER HPI Plus 250W/767 BU E40 1SL*	-	-
Kolorarc™				
KRC400/T/H/960/E40	HQI-BT 400/D*	-	HSI-T 400W / 6K*	HIT 400W/U/LU/6.5K*
KRC400/T/VBU/960/E40	HQI-BT 400/D*	-	HSI-T 400W / 6K*	HIT 400W/U/LU/6.5K*
KRC400/E/VBU/645/E40	HQI-E 400/N CLEAR*	-	HSI-HX 400W CL*	HIE 400W/BU/EURO/4K*
KRC400/D/VBU/740/E40	HQI-E 400/N*	MASTER HPI Plus 400W/745 BU E40 1SL*	HSI-HX 400W CO*	HIE 400W/C/DU/4.5K*
KRC400/D/H/740/E40	HQI-E 400/N*	-	HSI-HX 400W CO*	HIE 400W/C/U/EURO/4K*
KRC400/D/VBU/960/E40	-	MASTER HPI Plus 250W/767 BU E40 1SL*	-	-
KRC400/D/H/960/E40	-	-	-	-
Multi-vapor™				
MVR250/U/40	-	-	-	-
MVR400/U/40	-	-	-	-
MVR1000/U/40	-	-	-	HIE 1000W/U/4K*
MVR250/C/U/40	-	-	-	-
MVR400/C/U/40	-	-	-	-
MVR400/VBU/40	-	-	-	-
MVR400/C/VBU/40	-	-	-	-
MPR400/C/VBU/O/40	-	-	-	-
Sportlight™				
SPL1500/L/H/652/Rx7SM	-	-	-	-
SPL2000/L/H/654	-	-	-	-
SPL2000/T/H/960/E40	HQI-T 2000/D*	-	-	-
SPL2000/I/T/H/640/E40	HQI-T 2000 /N*	HPI-T 2000W/642 E40 380V CRP*	HSI-T 2000W-S4K 380V/I*	-
SPL2000/I/T/H/960/E40	HQI-T 2000 /D/I*	-	-	-
SPL1000/T/H/960/E40 1/4	HQI-T 1000/D*	-	-	-
Mixed Light				
ML 160/230-240V E27	HWL 160 235V	ML 160W E27 235-245	HSB-BW 160W 230V E27	-
ML 160/240-250V	HWL 160 240V	ML 160W E27 235-245	HSB-BW 160W 240	-
ML 250/230-240V E40	HWL 250 235V	ML 250W E27 225-235	HSB-BW 250W 240V E40	-
ML 250/230-240V E27	-	ML 250W E40 225-235	HSB-BW 250W 240V E27	-
ML 250/ 240-250V E40	HWL 250 240V	ML 250W E40 235-245	HSB-BW 250W 240	-
ML 500/230-240V E40	HWL 500 235V	ML 500W E40 225-235	HSB-BW 500W 240V E40	-

Brand cross reference

GE	OSRAM	PHILIPS	Havells Sylvania	Venture
Lucalox™ Standard				
LU70/90/D/27	NAV-E 70/E	SON E 70W	SHP 70W/CO-E	-
LU100/100/MO/D/40	NAV-E 100	SON E 100W	SHP 100W	-
LU150/100/D/40	NAV-E 150	SON E 150W	SHP 150W	-
LU250/D/40	NAV-E 250	SON E 250W	SHP 250W	-
LU400/D/40	NAV-E 400	SON E 400W	SHP 400W	-
LU70/90/T12/27	NAV-T 70	SON- T 70W	SHP-T 70W	-
LU100/100/MO/T/40	NAV-T 1000	SON- T 100W	-	-
LU150/100/T /40	NAV-T 150	SON-T 150W	SHP-T 150W	-
LU250/T/40	NAV-T 250	SON-T 250W	SHP-T 150W	-
LU400/T/40	NAV-T 400	SON-T 400W	SHP-T 400W	-
LU1000/110/T/40	NAV-T 1000	SON-T 1000W	SHP-T 1000W	-
Lucalox™ XO				
LU50/85/XO/D/27	NAV-T 50 SUPER 4Y	-	SHP S 50W	-
LU70/90/XO/D/27	NAV-T 70 SUPER 4Y	MASTER SON PIA PLUS 70W	SHP S 70W	-
LU100/100/XO/D/40	NAV-E 100 SUPER 4Y	MASTER SON PIA PLUS 100W	SHP S 100W	-
LU250/XO/D/40	NAV-E 250 SUPER 4Y	MASTER SON PIA PLUS 250W	SHP S 250W	-
LU400/XO/D/40	NAV-E 400 SUPER 4Y	MASTER SON PIA PLUS 400W	SHP S 400W	-
LU50/85/XO/T/27	NAV-T 50 SUPER 4Y	MASTER SON-T PIA PLUS 50W	SHP TS 50W	-
LU70/90/XO/T/27	NAV-T 70 SUPER 4Y	MASTER SON-T PIA PLUS 70W	SHP TS 70W	-
LU100/100/XO/T/40	NAV-T 100 SUPER 4Y	MASTER SON-T PIA PLUS 100W	SHP TS 100W	-
LU150/150/XO/T/40	NAV-T 150 SUPER 4Y	MASTER SON-T PIA PLUS 150W	SHP TS 150W	-
LU250/XO/T/40	NAV-T 250 SUPER 4Y	MASTER SON-T PIA PLUS 250W	SHP TS 250W	-
LU400/XO/T/40	NAV-T 400 SUPER 4Y	MASTER SON-T PIA PLUS 400W	SHP TS 400W	-
LU600/XO/T/40	NAV-T 600 SUPER 4Y	MASTER SON-T PIA PLUS 600W	SHP TS 600W	-
Lucalox™ I				
LU50/85/D/I/27	NAV-E 50/I	SON 50W I	SHP 50W/CO-I	-
LU70/90/D/I/27	NAV-E 70/I	SON 70W I	SHP 70W/CO-I	-
LU70/90/I/27	-	-	SHP 70W/CL-I	-
Lucalox™ E-Z lux				
LUH110/D/27 - SHx	NAV-E 110	SON-H Pro 110W	SHx 110W E27	-
Lucalox™ SUPERLIFE				
LU70/90/XO/SBY/T12/E27	-	-	SHP-TS 70W TWinarc	-
LU100/100/XO/SBY/T/E40	-	-	SHP-TS 100W TWinarc	-
LU150/XO/SBY/T/E41	-	-	SHP-TS 150W TWinarc	-
LU250/XO/SBY/T/E42	-	-	SHP-TS 250W TWinarc	-
LU400/XO/SBY/T/E43	-	-	SHP-TS 400W TWinarc	-
LU50/85/XO/SBY/D/27	-	-	-	-
LU70/90/XO/SBY/D/E27	-	-	SHP-S 70W TWinarc	-
LU100/100/XO/SBY/D/E40	-	-	SHP-S 100W TWinarc	-
LU250/SBY/D/40	-	-	SHP-S 250W TWinarc	-
LU400/SBY/D/40	-	-	SHP-S 400W TWinarc	-
Kolorlux Standard				
H50/27	HQL 50	HPL-N 50W	HSL-BW 50W E27	-
H80/27	HQL 80	HPL-N 80W	HSL-BW 80W E27	-
H125/27	HQL 125	HPL-N 125W	HSL-BW 125W E27	-
H250/40	HQL 250	HPL-N 250W	HSL-BW 250W E40	-
H400/40	HQL 400	HPL-N 400W	HSL-BW 400W E40	-

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