

# CWA Metal Halide

Direct replacement for 'Multi-vapor' and 'Super Metal Arc' lamps. Operate on CWA control gear.

## Features:

- Full range of wattages
- Clear and coated bulb finishes
- Reduced jacket options
- Choice of colour temperatures
- 400 watt lamps are open rated when operated base up  $\pm 15^\circ$
- Asymmetric arc tube design allows horizontal  $\pm 45^\circ$  operation

## Applications:

- Universal – Floodlighting  
Sports lighting  
General lighting
- Vertical – Architectural area lighting  
Commercial downlighting  
Industrial highbay
- Horizontal – Advertising hoardings  
Petrol station canopies  
Indoor sports

### Enclosed Rated

### CWA Control Gear

Watts	Lamp Description	Product No.	Initial Lumens	Avg. Life Hours	CCT (K)	Warm-Up (Min)	Restrike (Min)	RA	Finish	Oper. Pos.	Fig.	Case Qty
175	HIE 175W/U/E54/EURO/4K	84971	14000V	10000V	4000	3-5	5-10	68	Clear	U	H	12
175	HIE 175W/C/U/E54/EURO/4K	24729	13300V	10000V	3700	3-5	5-10	70	Coated	U	H	12
175	HIE 175W/U/EURO/4K	36279	14000V	10000V	4000	3-5	5-10	68	Clear	U	A	12
175	HIE 175W/C/U/EURO/4K	40698	13300V	10000V	3700	3-5	5-10	70	Coated	U	A	12
250	HIE 250W/BU/EURO/4K	81203	23000	10000	4000	2-4	5-10	68	Clear	BU $\pm 15^\circ$	A	12
250	HIE 250W/C/BU/EURO/4K	81202	22000	10000	3700	2-4	5-10	70	Coated	BU $\pm 15^\circ$	A	12
250	HIE 250W/U/EURO/4K	88246	21000V	10000V	4000	3-5	5-10	68	Clear	U	A	12
250	HIE 250W/C/U/EURO/4K	21303	20000V	10000V	3700	3-5	5-10	70	Coated	U	A	12

### Enclosed Rated

### CWA Control Gear

Watts	Lamp Description	Product No.	Initial Lumens	Avg. Life Hours	CCT (K)	Warm-Up (Min)	Restrike (Min)	RA	Finish	Oper. Pos.	Fig.	Case Qty
400	HIE 400W/BU/EURO/4K	33544	40000	15000	4000	3-5	10-15	68	Clear	BU $\pm 15^\circ$	B	6
400	HIE 400W/C/BU/EURO/4K	31545	38000	15000	3700	3-5	10-15	70	Coated	BU $\pm 15^\circ$	B	6
400	HIE 400W/C/HOR/EURO/4K	63958	38000	15000	3700	3-5	10-15	70	Coated	HOR $\pm 45^\circ$	C	6
400	HIE 400W/U/EURO/4K	20137	36000V	15000V	4000	3-5	8-12	68	Clear	U	B	6
400	HIE 400W/C/U/E90/EURO/4K*	58122	34000V	15000V	3700	3-5	8-12	70	Coated	U	A	12
400	HIE 400W/C/U/EURO/4K	88787	34000V	15000V	3700	3-5	8-12	70	Coated	U	B	6

\* Reduced jacket

### Open Rated

### CWA Control Gear

Watts	Lamp Description	Product No.	Initial Lumens	Avg. Life Hours	CCT (K)	Warm-Up (Min)	Restrike (Min)	RA	Finish	Oper. Pos.	Fig.	Case Qty
400	HIPE 400W/BU/EURO/4K	99441	38000	15000	4000	3-5	10-15	68	Clear	BU $\pm 15^\circ$	E	6
400	HIPE 400W/C/BU/EURO/4K	94102	36000	15000	3700	3-5	10-15	70	Coated	BU $\pm 15^\circ$	E	6

### Enclosed Rated

### Tubular

### CWA Control Gear

Watts	Lamp Description	Product No.	Initial Lumens	Avg. Life Hours	CCT (K)	Warm-Up (Min)	Restrike (Min)	RA	Finish	Oper. Pos.	Fig.	Case Qty
250	HIT 250W/HOR/EURO/4K	57712	23000	10000	4000	3-5	5-10	68	Clear	HOR $\pm 45^\circ$	I	12
400	HIT 400W/HOR/EURO/4K	88410	40000	15000	4000	3-5	10-15	68	Clear	HOR $\pm 45^\circ$	D	12

### Enclosed Rated

### CWA Control Gear

Watts	Lamp Description	Product No.	Initial Lumens	Avg. Life Hours	CCT (K)	Warm-Up (Min)	Restrike (Min)	RA	Finish	Oper. Pos.	Fig.	Case Qty
1000	HIE 1000W/U/4K	46109	110000V	12000V	4000	3-5	10-15	68	Clear	U	F	6
1000	HIE 1000W/C/U/4K	12175	105000V	12000V	3700	3-5	10-15	70	Coated	U	F	6
1000	HIE 1000W/U/BT120/4K*	46423	105000V	12000V	4000	3-5	10-15	68	Clear	U	G	6

\* Reduced jacket

Some lamp descriptions include the 3 digit International Ra/CCT Code

**A** E90 Dia. = 90mm  
MOL = 215mm  
LCL = 131mm  
Base = E40

**B** E120 Dia. = 120mm  
MOL = 296mm  
LCL = 182mm  
Base = E40

**C** E120 Dia. = 120mm  
MOL = 296mm  
LCL = 182mm  
Base = E40PO

**D** T46 Dia. = 46mm  
MOL = 285mm  
LCL = 175mm  
Base = E40PO

**E** BT120 Dia. = 120mm  
MOL = 296mm  
LCL = 182mm  
Base = E40

**F** BT180 Dia. = 180mm  
MOL = 395mm  
LCL = 245mm  
Base = E40

**G** BT120 Dia. = 120mm  
MOL = 296mm  
LCL = 182mm  
Base = E40

**H** E54 Dia. = 54mm  
MOL = 141mm  
LCL = 89mm  
Base = E27