

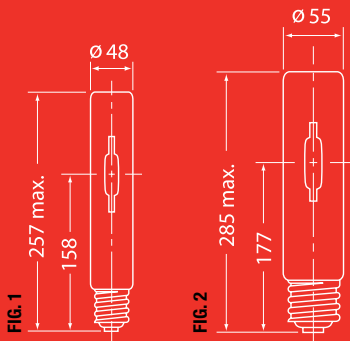
## MERCURY VAPOUR (BT/E)

Code	Description	Watts	Base	Shape	Finish	Colour Temp (K)	Lamp Voltage (V)	Lamp Current (A)	Initial Lumens (Lms)	Ra	Rated Av Life	Burning Position	Fig No.
110200	HF 50PD	50	E27	E55	COATED	4100	95	0.61	1900	40	8000	ANY	1
110205	HF 80PD	80	E27	E70	COATED	4100	115	0.8	3600	40	16000	ANY	2
110210	HF 100PD	100	E27	E75	COATED	4100	115	1	4500	40	24000	ANY	3
110215	HF 125PD	125	E27	E75	COATED	4100	125	1.15	6250	40	24000	ANY	3
110220	HF 175PD	175	E40	BT90	COATED	4100	130	1.5	8900	40	24000	ANY	4
110225	HF 250PD	250	E40	BT90	COATED	4100	130	2.13	13700	40	24000	ANY	5
110230	HF 400PD	400	E40	BT116	COATED	4100	135	3.25	24000	40	24000	ANY	6
110235	HF 700PD	700	E40	BT150	COATED	4100	140	5.4	44000	40	24000	ANY	7
110240	HF 1000PD	1000	E40	BT180	COATED	4100	145	7.5	64000	40	16000	ANY	8

Mercury vapour "B" lamp for use with 415V control gear ("B" TYPE)

110245	HF 1000B-PD	1000	E40	BT180	COATED	4100	265	4	64000	40	24000	ANY	8
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BT = Bulged Tubular, E = Elliptical.



## MERCURY VAPOUR (T)

Code	Description	Watts	Base	Shape	Finish	Colour Temp (K)	Lamp Voltage (V)	Lamp Current (A)	Initial Lumens (Lms)	Ra	Rated Av Life	Burning Position	Fig No.
110500	HT 250	250	E40	T48	CLEAR	5700	130	2.13	11500	25	16000	ANY	1
110505	HT 400	400	E40	T48	CLEAR	5700	135	3.25	21000	25	16000	ANY	2

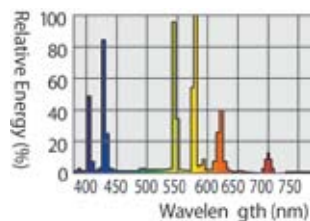
T = Tubular.

Mercury vapour lamps offering a long reliable life.

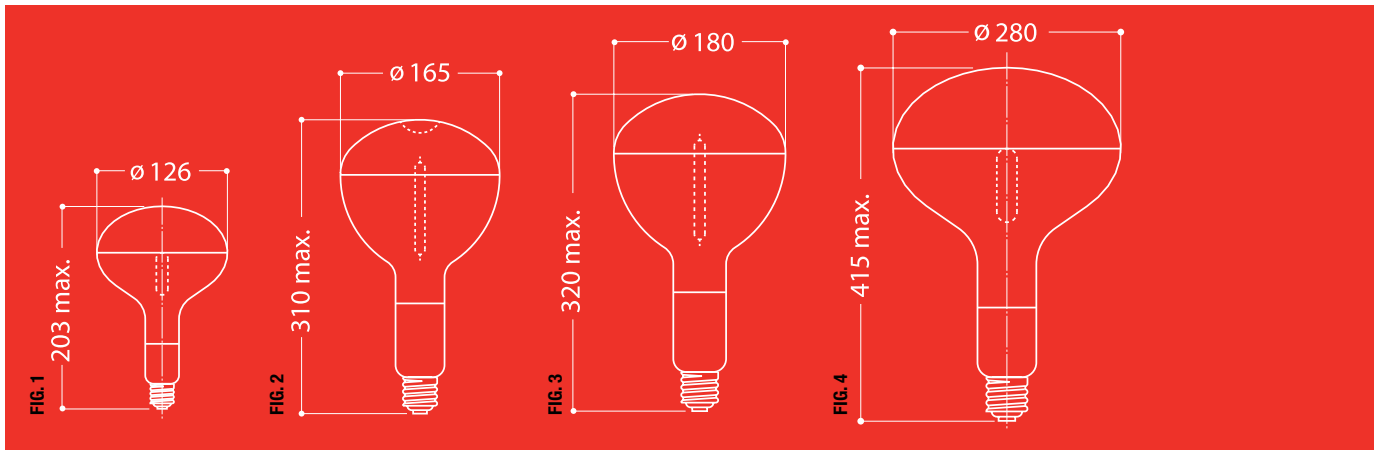
### FEATURES

- Long reliable lamp life by superior quality and technology.

### DISTRIBUTION CHART



Warnings/Cautions See page 235



## MERCURY VAPOUR - REFLECTOR LAMPS

Code	Description	Watts	Base	Shape	Finish	Colour Temp (K)	Lamp Voltage (V)	Lamp Current (A)	Beam Lms	Max Light Intensity (cd)	Ra	Rated Av Life	Burning Position	Fig No.
110300	HRF 100PD	100	E27	R126	COATED	4100	115	1	0-65° 2800 0-90° 3300	800	40	24000	ANY	1
110305	HRF 125PD	125	E27	R126	COATED	4100	125	1.15	0-65° 3700 0-90° 4300	1200	40	24000	ANY	1
110310	HRF 250PD	250	E40	R165	COATED	4100	130	2.13	0-65° 7800 0-90° 8800	2500	40	24000	ANY	2
110315	HRF 400PD	400	E40	R180	COATED	4100	135	3.25	0-65° 14000 0-90° 15500	4000	40	24000	ANY	3
110320	HRF 700PD	700	E40	R280	COATED	4100	140	5.4	0-65° 27000 0-90° 31000	8500	40	24000	ANY	4
110325	HRF 1000PD	1000	E40	R280	COATED	4100	145	7.5	0-65° 38000 0-90° 46000	11000	40	16000	ANY	4

Mercury vapour "B" lamp for use with 415V control gear ("B"TYPE)

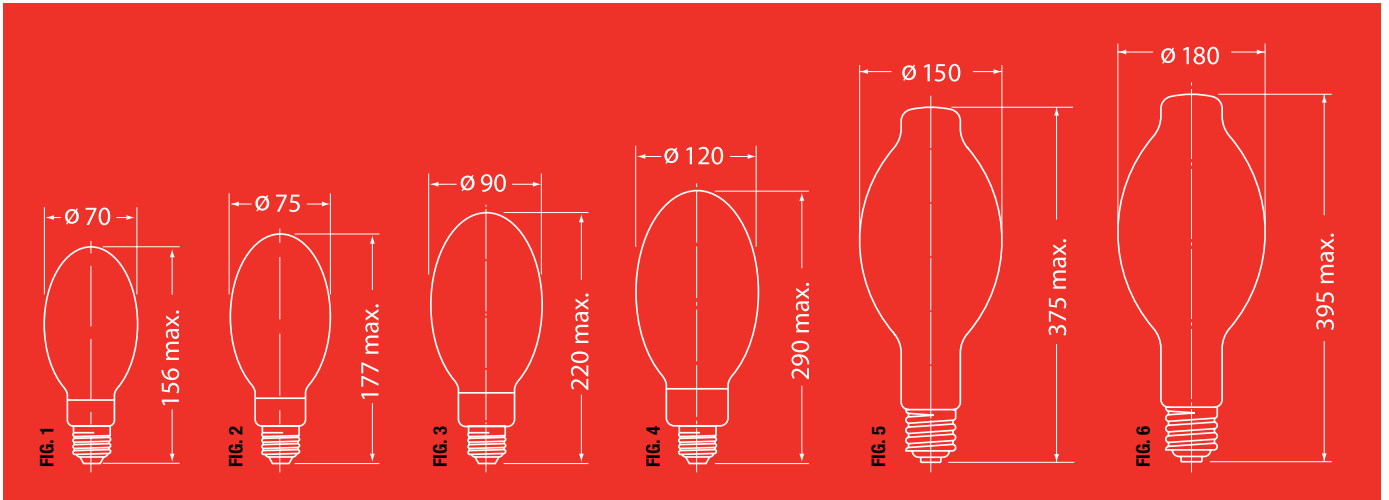
110330	HRF 1000B-PD	1000	E40	R280	COATED	4100	265	4	0-65° 38000 0-90° 46000	11000	40	24000	ANY	4
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R = Reflector.

Mercury vapour reflector lamps offering a long reliable life.

### FEATURES

- Long reliable lamp life by superior quality and technology
- Hard glass outer bulb material.



## SELF-BALLASTED MERCURY VAPOUR

Code	Description	Watts	Base	Shape	Colour Temp (K)	Lamp Voltage (V)	Lamp Current (A)	Initial	Ra	Rated Av Life	Burning Position	Fig No.
110100	BHF 100	100	E27	E21	3900	240V	0.45	1100	58	6000 (1)	BUD±30°	1
110105	BHF 160	160	E27	E24	3900	240V	0.73	3000	58	8000 (1)	ANY	2
110115	BHF 250	250	E27	E28	3900	240V	1.10	5700	58	12000 (1)	ANY	3
110125	BHF 250	250	E40	E28	3900	240V	1.10	5700	58	12000 (1)	ANY	3
110130	BHF 500	500	E40	E37	3900	240V	2.20	14000	58	16000 (1)	ANY	4
110135	BHF 750	750	E40	BT46	3900	240V	3.30	22000	58	16000 (1)	ANY	5
110140	BHF 1000	1000	E40	BT56	3900	240V	4.80	31000	58	16000 (1)	ANY	6

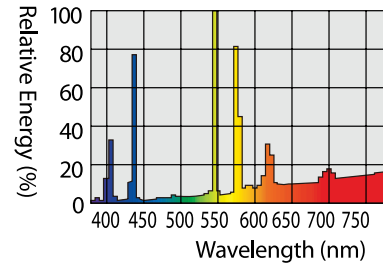
E = Elliptical. (1) = Indoor use only.

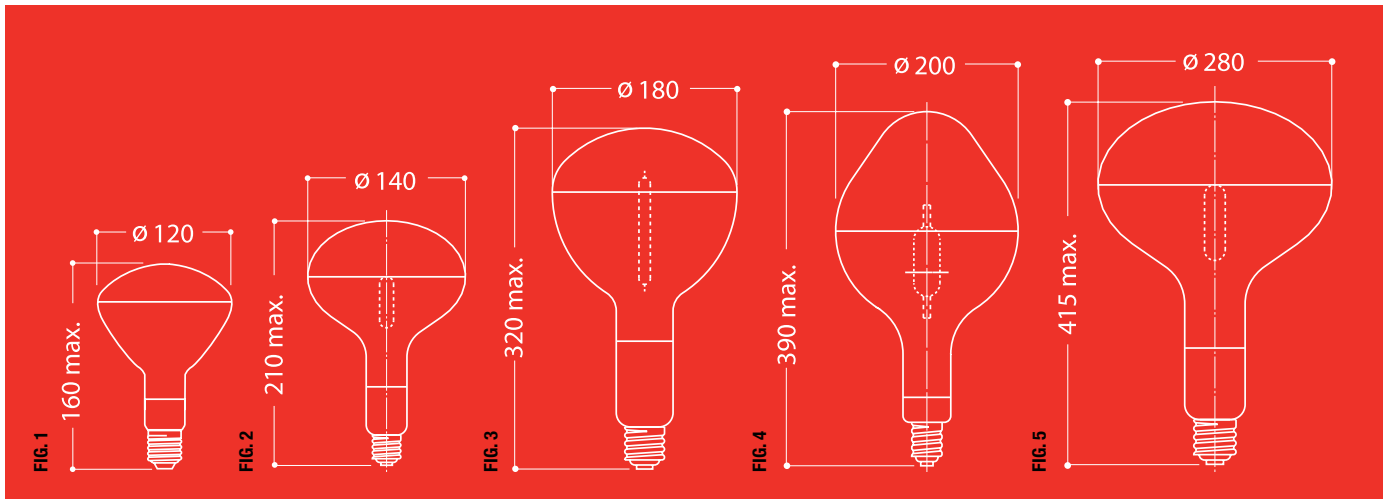
Elliptical and BT type self-ballasted mercury lamps.

### FEATURES

- A direct replacement for an incandescent lamp as it operates on mains voltage without additional control gear
- Higher efficacy and longer lamp life compared to incandescent lamps
- Mixed light provides more natural and improved light colour
- Wide variety of models are available in wattages and bulb types.

### DISTRIBUTION CHART





## SELF-BALLASTED MERCURY VAPOUR - REFLECTOR

Code	Description	Watts	Base	Shape	Colour Temp (K)	Lamp Voltage (V)	Lamp Current (A)	Beam Lms	Ra	Rated Av Life	Burning Position	Fig No.
110000	BHR 160W RSP38	160	E27	R38 (120mm)	3900	240V/250V	0.73	1680	58	10000 (3)	ANY	1
110005	BHR 250W E27 R44	250	E27	R44 (140mm)	3900	240V/250V	1.28	3900	58	12000 (2)	ANY	2
110010	BHR 250 E40 R44	250	E40	R44 (140mm)	3900	240V/250V	1.28	3900	58	12000 (2)	ANY	2
110035	BHR 500 R57 110V	500	E40	R57 (180mm)	3900	110V	2.2	9100	58	16000 (3)	ANY	3
110015	BHR 500 R57	500	E40	R57 (180mm)	3900	240V/250V	2.2	9100	58	16000 (3)	ANY	3
110020	BHR 750 R57	750	E40	R57 (180mm)	3900	240V/250V	3.3	14000	58	16000 (2)	ANY	3
110025	BHR 750 R60	750	E40	R60 (200mm)	3900	240V/250V	3.3	14000	58	16000 (3)	ANY	4
110030	BHR 1000 R88	1000	E40	R88 (200mm)	3900	240V/250V	4.8	20000	58	16000 (3)	ANY	5

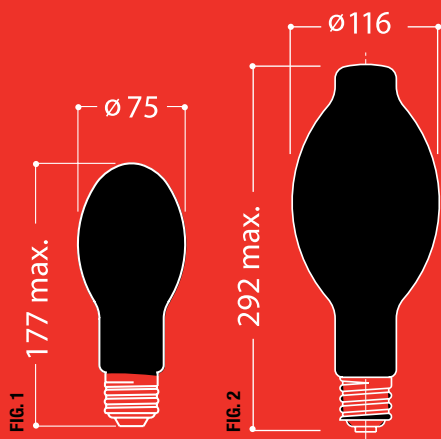
R = Reflector.

(2) = Indoor or outdoor use. If outdoors, base down operation lamp should be protected by a fully enclosed fixture which is adequately ventilated. Base up operation lamp can be used in open face fixtures 40° below horizontal.  
 (3) = Indoor and Outdoor use with a suitable lamp holder.

Reflector type self-ballasted mercury lamps.

### FEATURES

- A direct replacement for an incandescent lamp as it operates on mains voltage without additional control gear
- Higher efficacy and longer lamp life compared to incandescent lamps
- Mixed light provides more natural and improved light colour
- Wide variety of models are available in wattages and bulb types.



## MERCURY VAPOUR - BLACK LITE

Code	Description	Watts	Base	Shape	Finish	Colour Temp (K)	Lamp Voltage (V)	Lamp Current (A)	Initial Lumens (Lms)	Ra	Rated Av Life	Burning Position	Fig No.
110510	H 125BL	125	E27	E75	BLACK LITE	350-400 NM	125	1.15	-	-	3000	ANY	1
110515	H 400BL	400	E40	BT116	BLACK LITE	350-400 NM	135	3.25	-	-	3000	ANY	2

BT = Bulged Tubular, E = Elliptical.

The Black Lite is designed to effectively absorb visible light and emit near ultraviolet rays through a dark bulb of special filter glass. Using a near ultraviolet phosphor like that used for fluorescent chemical lamps, it produces highly efficient ultraviolet rays.

### APPLICATIONS

- Food Industries: to inspect classification, freshness, harmful mixtures, etc in food stuffs
- Metal and Mining Industries: to discriminate ores such as uranium, tungsten, etc and also to detect the defects on the surface of metals and others
- Textile Industries: to analyse the materials and textiles by the unique fluorescent reaction
- Lighting: illumination for sign boards, show windows, wall decorations, stages, control boards, etc
- Reproduction: to utilise the maximum sensitivity to light at 350 to 400 NM, the black light to be used for the effective source of photo-sensitivity
- Insecticidal Use: to ensure the effective elimination of harmful insects because of their sensitive reaction to blue light or near ultraviolet rays
- Promotion of Photo-Chemical Reaction: to be utilised for the acceleration of photo-chemical reactions such as chloride, addition to BHC, composition of artificial rubber, disposal of pulps, etc
- Discovery of Forgery: to discover the forgery of cheques, stamps and documents, etc.

### DISTRIBUTION CHART

