

# LAMP BUSINESS GUIDE



# MAZDA

## LAMPS

*The Nation's Light*



PRICES APPLY ONLY IN GT. BRITAIN & NORTHERN IRELAND



# Why you should sell MAZDA Lamps

- (1) **MAZDA LAMPS** are the product of the great scientific skill and patient experimental work of the BTH Mazda Lamp Research Laboratories in Rugby, England.
- (2) **MAZDA LAMPS** for general lighting service have the wonderful Mazda Non-Sag Filament, which ensures maintenance of candle-power and uniform service throughout life.
- (3) **MAZDA LAMPS** are contained in attractive cartons which facilitate stocking and handling. The cartons are eminently suitable for display and protect the lamps in transit.
- (4) **MAZDA LAMPS** are made from materials produced within the British Empire.

**They stay brighter longer**

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3	Extra Charges
4	Pearl Mazda and BTH Type "B"
5	Gasfilled and Vacuum Clear and Type "O" (Opal)
6	Colour Sprayed, Natural Colour and Daylight
7	Dual-Purpose, Gothic, Newel and Longlite (Opal)
8	Candle and Tubular
9	Neon, Cruciform and BTH Carbon
10	Sign and Special Decoration
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14	{ Mazda Light Tubes and Holders
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# USE **MAZDA** ELECTRIC LAMPS

## MAZDA SERVICE DEPOTS

**LONDON** - - - **Crown House, Aldwych, W.C.2**  
**Telephone : Temple Bar 8040. Telegrams : Asteroidal, Estrand, London**

### TRADE COUNTERS AND STORES :

Crown House, Aldwych, W.C.2. - Temple Bar 1343  
 3-7, Wenlock Road, City Road, N.1 Clerkenwell 2822

BELFAST	..	12 Alfred Street .. ..	Belfast 4523
BIRMINGHAM	..	10 and 11 Snow Hill .. ..	Central 8301
BLACKBURN	..	"Old Bank," Old Bank Street, King Street .. ..	Blackburn 7093
BLACKPOOL	..	4 and 5 Cedar Square .. ..	Blackpool 2853
BOURNEMOUTH	..	7 Haviland Road, Boscombe ..	Boscombe 2038
BRADFORD	..	7 Millergate .. ..	Bradford 1205
BRISTOL	..	119 Victoria Street .. ..	Bristol 20111
CAMBRIDGE	..	58 King Street .. ..	Cambridge 54370
CARDIFF	..	Jotham's Buildings, 26-27 St. Mary Street .. ..	Cardiff 5258
CHELTENHAM	..	17 Grosvenor Street .. ..	Cheltenham 2776
CHESTER	..	5 Boughton .. ..	Chester 2746
COLCHESTER	..	Culver Street .. ..	Colchester 2843
CROYDON, South	..	54 Selsdon Road.	Croydon 5633
DUBLIN	..	Mazda House, 25 Suffolk Street	Dublin 21379
DUNDEE	..	17 Baltic Street .. ..	Dundee 5600
EDINBURGH	..	130 George Street .. ..	Edinburgh 30896
GLASGOW	..	53 Pitt Street .. ..	Central 4331
GUILDFORD	..	Bedford House, Bedford Road ..	Guildford 2788
HASTINGS	..	17 Dorset Place .. ..	Hastings 2734
HUDDERSFIELD	..	7 Brook Street .. ..	Huddersfield 3291
HULL	..	2 Prince's Dock Chambers, Prince's Dock Street .. ..	Hull 36241
LEEDS	..	46 Wellington Street .. ..	Leeds 28011
LEICESTER	..	5 Campbell Street .. ..	Leicester 22811
LIVERPOOL	..	27-29 Stanley Street .. ..	Bank 5700
MANCHESTER	..	King's House, 42 King St. West	Blackfriars 2691/6
MIDDLES- BROUGH	..	Post Office Buildings, Marton Road .. ..	Middlesbrough 2476
NEWCASTLE- ON-TYNE	..	Ellison Buildings, Ellison Place ..	Newcastle 25040
NORTHAMPTON	..	College Street .. ..	Northampton 2981
NORWICH	..	Cambridge House, 26 Tombland	Norwich 2541
NOTTINGHAM	..	King's Place, Stoney Street ..	Nottingham 2061
OXFORD	..	90, St. Aldates .. ..	Oxford 4170
PLYMOUTH	..	Farley Chambers, Station Road, Millbay .. ..	Plymouth 4837
PORTSMOUTH	..	54, St. Vincent Street .. ..	Portsmouth 4383
SHEFFIELD	..	Mazda Buildings, Campo Lane ..	Sheffield 23086
SOUTHAMPTON	..	6 West Street .. ..	Southampton 6209
STOKE-ON- TRENT	..	King's Chambers, Kingsway ..	Stoke-on-Trent 48768
SWANSEA	..	Mazda House, 7 Melbourne Place	Swansea 2151
TREFOREST	..	Treforest Trading Estate, nr. Pontypridd.	—
WATFORD	..	Bridle Path, Watford Junction ..	Watford 5885

*Works:*

RUGBY, WILLESDEN, COVENTRY, BIRMINGHAM, CHESTERFIELD



# THEY STAY BRIGHTER LONGER

## EXTRA CHARGES—Groups I and II

Variation	Extra		
	Vacuum	Gasfilled	Carbon
<b>GROUP I</b>			
<b>COLOURING:</b> For superficial colouring, or varnishing other than spraying	10%	10%	—
<b>SILVERING</b> .. .. .	<i>Prices on Application</i>		
<b>CAPS:</b> For S.B.C., S.E.S., S.C.C., in place of B.C., E.S., C.C., except for Sign Lamps .. .. .	2d. each	2d. each	2d. each
Do. Do. for Sign Lamps .. .. .	1d. each	—	—
Applicable up to and including 40 watts Metal Filament or 8 c.p. Carbon. Higher ratings must not be supplied with S.B.C., S.E.S. or S.C.C. Caps.			
For S.B.C., S.E.S., and S.C.C. in place of A.S.B.C. or A.S.C.C. American Intermediate Screw Caps .. .. .	6d. each	No extra	—
For G.E.S., in place of E.S., and B.C., or vice versa including G.E.S. clamp Cap for 1000 and 1500 watt General Lighting Service Lamps .. .. .	—	1/- each	—
Medium Pre-focus Cap for Projector Lamps .. .. .	—	1/- each	—
Goliath Pre-focus Caps for Projector Lamps .. .. .	—	2/6 each	—
For all other special caps up to and including 100 watts .. .. .	1/- each	1/- each	—
<b>GROUP II</b>			
Variation	Extra		
<b>FROSTING:</b> For outside frosting or shadow etching .. .. .			1d. each
<i>NOTE: No lamp of a type or rating which is priced inside frosted can be supplied wholly outside frosted, but partially outside frosted can be supplied. Headlights can be shadow etched inside or outside.</i>			
<b>COLOURING:</b> For superficial colouring or varnishing, including spraying		10%	
<b>SILVERING</b> .. .. .		<i>On Application</i>	
<b>FILAMENTS:</b> For U Shape or Coiled-Coil Filaments on Headlamps .. .. .			3d. each
<b>CAPS:</b> (Where not already specified in price tabulations)			
For S.B.C., A.S.B.C. and A.S.C.C. .. .. .			1d. each
For B.C., E.S., and S.E.S. .. .. .			1d. each
For 3 pin (B.C.) centre and double contact .. .. .			1½d. each
For Bosch Caps .. .. .			3d. each
For M.E.S. Cap (to be fitted only to 15 m/m and 19 m/m bulbs) .. .. .			No extra
For Hollow and Cartridge Caps .. .. .			4d. each
For Pre-focus Caps .. .. .			6d. each



## PEARL MAZDA LAMPS

The inside frosting diffuses the light and prevents glare, while the amount of light obscured by the frosting is practically negligible. As the outside surfaces of the bulbs are of smooth glass, they are as easy to clean as clear lamps.

Made in a range of seven sizes—15, 25, 40, 60, 75, 100, and 150 watts, which covers most normal lighting requirements of industrial, commercial, and domestic users.

Watts	Cap regularly supplied	Voltages									
		25 & 30		35, 40, 45, 50, 55		60, 65, 70, 75, 80, 85		150		100, 105, 110, 115, 120, 125, 130, 200, 210, 220, 230, 240, 250, 260	
		s.	d.	s.	d.	s.	d.	s.	d.	s.	d.
15	B.C.	2	1	2	1	2	1	2	1	1	6
25		2	1	2	1	2	1	2	1	1	6
40		2	6	2	6	2	6	2	2	1	7*
60		3	0	3	0	3	0	2	2	1	7*
75		—	—	—	—	—	—	—	—	1	10*
100		—	—	4	6	4	6	3	6	2	—*
150		—	—	—	—	—	—	—	—	3	6

\* Supplied with Coiled-Coil Filaments.

## BTH TYPE "B" (PEARL) LAMPS

BTH Type "B" Lamps are good quality lamps, which, although not as efficient as Mazda Coiled-Coil Lamps, are very much superior to many other low-priced lamps.

Watts	Cap	Voltages	
		100, 105, 110, 115, 120, 125, 130 200, 220, 230, 240, 250, 260	
25	B.C.	s.	d.
40		1	0
60		1	0
100		1	6



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## CLEAR GASFILLED LAMPS

Watts	Cap regularly supplied	Voltages											
		25 & 30		35, 40, 45, 50, 55		60, 65, 70, 75, 80, 85		100, 105, 110, 115, 120, 125, 130		150		200, 210, 220, 230, 240, 250, 260	
		s.	d.	s.	d.	s.	d.	s.	d.	s.	d.	s.	d.
25	B.C.	2	1	2	3	2	3	1	8	—		—	
40		2	9	2	9	2	9	1	9*	2	4	1	9*
60		3	3	3	3	3	3	1	9*	2	4	1	9*
75		—	—	—	—	—	—	2	0*	—		2	0*
100	E.S.	—	—	5	0	5	0	2	3*	4	0	2	3*
150		—	—	7	9	9	0	3	6	6	3	3	6
200		—	—	9	6	10	6	5	6	8	9	5	6
300	G.E.S.	—	—	12	3	13	3	9	0	11	6	9	0
500		—	—	15	6	16	6	11	6	14	0	11	6
750		—	—	19	3	20	0	15	0	19	0	15	0
1000		—	—	—	—	—	—	16	0	19	0	16	0
1500		—	—	—	—	—	—	22	6	26	3	22	6

\* Supplied with Coiled-Coil Filaments.

## CLEAR VACUUM LAMPS

Watts	Cap† regularly supplied	Voltages		
		100, 105, 110, 115, 120, 125, 130	150	200, 210, 220, 230, 240, 250, 260
15	B.C.	s. d.	s. d.	s. d.
25		1 8	2 3	1 8
		1 8	2 3	1 8

† These lamps can be fitted with E.S. Caps without extra charge.

## TYPE "O" LAMPS (Opal—Gasfilled)

Watts	Cap regularly supplied	Voltages					
		25 & 30	35, 40, 45, 50, 55	60, 65, 70, 75, 80, 85	100, 105, 110, 115, 120, 125, 130	150	200, 210, 220 230, 240, 250, 260
15	B.C.	s. d.	s. d.	s. d.	s. d.	s. d.	s. d.
25		2 4	2 4	—	—	—	—
40		2 4	2 4	2 4	1 9	—	—
60		2 10	2 10	2 10	1 10*	2 7	1 10*
75		3 6	3 6	3 6	1 10*	2 7	1 10*
100	E.S.	—	—	—	2 2*	—	2 2*
150		—	5 3	5 3	2 4*	4 6	2 4*
200		—	8 9	10 0	4 0	7 0	4 0
300		—	10 8	12 6	6 6	9 10	6 6
500		—	13 9	15 0	10 3	12 11	10 3
	G.E.S.	—	17 6	18 6	13 0	15 9	13 0

\* Supplied with Coiled-Coil Filaments.



# USE **MAZDA** ELECTRIC LAMPS

## COLOUR SPRAYED LAMPS

Available in the following colours : Blue, Yellow, Orange, Green, Red, Flame, Pink, Ivory, and White.

Watts	Cap regularly supplied	Voltages					
		25 & 30	100, 105, 110, 115, 120, 125, 130			200, 210, 220, 230, 240, 250, 260	
		Gasfilled	Gasfilled	Vacuum	Gasfilled	Vacuum	
		s. d.	s. d.	s. d.	s. d.	s. d.	
15	B.C.	2 3	—	—	—	—	
25		2 3	1 9	—	—	1 9†	
40		—	1 10*	1 10†	1 10*	1 10†	
60		—	1 10*	—	1 10*	—	
75		—	2 2*	—	2 2*	—	
100	E.S.	—	2 4*	—	2 4*	—	
150		—	4 0	—	4 0	—	
200	G.E.S.	—	6 6	—	6 6	—	
300†		—	10 3	—	10 3	—	
500†		—	13 0	—	13 0	—	
750†		—	17 9	—	17 9	—	

† Also supplied inside sprayed at same price. † White Sprayed only.

\* Supplied with Coiled-Coil Filaments.

## NATURAL COLOUR LAMPS

Watts	Cap regularly supplied	Colours :— Green, Blue and Amber		Colours :— Red, Ruby, and other Tints	
		Voltages			
		100, 105, 110, 115, 120, 125, 130, 200, 210, 220, 230, 240, 250, 260			
		Gasfilled	Vacuum	Gasfilled	Vacuum
15	} B.C. }	s. d.	s. d.	s. d.	s. d.
†25		—	—	—	2 6
40		2 3	2 3	2 6	2 6
60		2 4*	—	2 7*	—
75		2 4*	—	2 7*	—
100		3 0*	—	3 6*	—
		3 3*	—	3 9*	—

† 25 watt Gasfilled Lamps supplied only in 100/130 volts.

\* Supplied with Coiled-Coil Filaments.

## DAYLIGHT LAMPS (GASFILLED)

Watts	Cap	Voltages	
		100, 105, 110, 115, 120, 125, 130	200, 210, 220, 230, 240, 250, 260
		s. d.	s. d.
40	B.C.	2 3*	2 3*
60		2 3*	2 3*
100		3 3*	3 3*
150	G.E.S.	4 9	4 9
300		11 6	11 6

\* Supplied with Coiled-Coil Filaments.



**THEY STAY BRIGHTER LONGER**

## DUAL-PURPOSE LAMP (OPAL)

This opal lamp has two filaments, either of which can be operated at will. It is specially recommended for use in Hospitals, Nursing Homes, Hotels, and Nurseries.

The change from one filament to the other is effected by means of a cord-operated switch.

The Mazda Dual-Purpose Lamp can be used on either alternating or direct current.

Volts	Approx. Watts	Cap	Price
100, 105, 110, 115 120, 125, 130, 200, 210, 220 230, 240, 250, 260	4 and 25	B.C.	s. d. 4 3

## GOTHIC LAMP (Vacuum) FLAME AND PARCHMENT SPRAYED

Watts	Cap	Voltages	
		100, 105, 110, 115, 120, 125, 130	200, 210, 220, 230, 240, 250, 260
25	B.C. or E.S.	s. d. 4 6	s. d. 4 6

S.B.C. or S.E.S. Caps can be supplied at 2d. each extra.

## NEWEL LAMP (Vacuum) FLAME AND PARCHMENT SPRAYED

Watts	Cap	Voltages
		200, 210, 220, 230, 240, 250, 260.
40	B.C. or E.S.	s. d. 4 9

S.B.C. or S.E.S. Caps can be supplied at 2d. each extra.

## LONGLITE LAMPS (Opal—Vacuum)

Watts	Cap	Voltages			
		100, 105, 110, 115, 120, 125, 130, 200, 210, 220, 230, 240, 250, 260.		150	
		Opal	Colour Sprayed	Opal	Col.Spr'yd.
40 60	B.C., E.S. or C.C.	s. d. 5 0	s. d. 5 6	s. d. 7 6	s. d. 8 0



# USE **MAZDA** ELECTRIC LAMPS

## CANDLE LAMPS—Vacuum (25w.) & Gasfilled (40w.)

Watts	Type	Cap † regularly supplied	Voltages				
			50	60, 65, 70, 75, 80, 85	100, 105, 110, 115, 120, 125, 130	150	200, 210, 220, 230, 240, 250, 260
PLAIN							
25	Clear. Colour- sprayed.	B.C., S.B.C. or S.E.S.	3 6	4 0	3 0	4 0	3 0
			3 11	4 5	3 4	4 5	3 4
40	Clear. Colour- sprayed.	B.C., S.B.C. or S.E.S.	4 3	4 6	3 6	4 6	3 6
			4 9	5 0	3 11	5 0	3 11
TWISTED							
25	Clear. Colour- sprayed.	B.C., S.B.C. or S.E.S.	—	—	3 6	4 6	3 6
			—	—	3 11	5 0	3 11
40	Clear. Colour- sprayed.	B.C., S.B.C. or S.E.S.	—	5 0	4 0	5 0	4 0
			—	5 6	4 5	5 6	4 5

† C.C., E.S. or S.C.C. caps 3d each extra. Colour-Sprayed Candle Lamps are in the following colours: Blue, Yellow, Orange, Green, Red, Flame, Pink, Ivory, White.

## SINGLE-ENDED TUBULAR LAMPS (Vacuum)

Watts	Cap regularly supplied	Voltages				
		50	60, 65, 70, 75, 80, 85	100, 105, 110, 115, 120, 125, 130	150	200, 210, 220, 230, 240, 250, 260
CLEAR						
25	B.C., S.B.C., or S.E.S.	s. d. 3 6	s. d. 4 0	s. d. 3 0	s. d. 4 6	s. d. 3 0
30	B.C.	—	—	3 6	—	3 6
40	E.S., B.C. or C.C.	—	—	6 6	—	6 6
COLOUR-SPRAYED						
25	B.C., S.B.C., or S.E.S.	4 0	4 7	3 6	5 2	3 6

S.C.C., E.S., and C.C. Caps for 25 watts only, 3d. each extra.

## MAZDALITE DOUBLE-ENDED TUBULAR LAMPS (Vacuum)

Watts	Cap	Voltages			
		100, 105, 110, 115, 120, 125, 130			
		Clear	Colour Sprayed	Clear	Colour Sprayed
30	S.C.C.	s. d. 4 0	s. d. 4 9	s. d. 4 0	s. d. 4 9
*60		4 9	5 9	4 9	5 9
100	C.C.	6 9	7 6	6 9	7 6

\* 25 m/m × 284 m/m only. 38 m/m × 308 m/m, Clear 5/3, Sprayed 6/4.

"Clip Contact" Caps, 3d. each extra for Double Ended Tubular Lamps.



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## NEON LAMPS

### TYPE "N" (FOR NIGHT LIGHTS)

Watts	Cap	Voltages	
		100/130,	200/260
5	B.C. or E.S.	s. 3	d. 1

### TYPE "I" (INDICATOR)

Voltages		Cap	Price	
100/130	200/260	B.C., E.S., S.B.C. or S.E.S.	s. 2	d. 6

## CRUCIFORM LAMP

The Mazda "Cruciform" Lamp is the ideal illuminant for the home shrine. The filament is in the form of a crucifix which glows with a soft rosy light. At night the effect is very appealing and significant. This attractive little lamp uses only one unit of electricity in 200 hours, is absolutely safe, produces neither smell nor smoke, and requires no attention of any kind.

Volta	Watts	Cap	Price
100/130 200/260	5	B.C. or E.S.	s. 3 d. 4

## BTH CARBON LAMPS

Size of Lamp in British C.P.	Cap regularly supplied	Voltages			
		100, 105, 110, 115, 120, 125, 130		200, 210, 220, 230, 240, 250, 260	
		Maximum Total Watts	Price s. d.	Maximum Total Watts	Price s. d.
8	} B.C. or E.S. {	35.0	1 6	37.0	1 6
16		67.0	1 6	74.0	1 6
32		127.0	1 9	153.0	1 9



# USE **MAZDA** ELECTRIC LAMPS

## SIGN LAMPS (Vacuum)

Watts	Cap	Bulb	Voltages					
			25 & 30	50	60, 65, 70, 75, 80, 85,	100, 105, 110, 115, 120, 125, 130	150	200, 210, 220, 230, 240, 250, 260
STANDARD BULB								
10	E.S. or B.C.	Clear	s. d. 2 0	s. d. 2 6	s. d. 2 6	s. d. 1 9	s. d. —	s. d. —
15		Clear	2 0	2 3	2 3	1 8	2 3	1 8
		Sprayed†	2 3	2 6	2 6	1 9	2 6	1 9
20		Clear	2 0	2 6	2 3	2 0	2 6	2 2
		Sprayed	2 3	2 9	2 6	2 3	2 9	2 5
PYGMY BULB								
15	E.S. B.C. S.E.S. or S.B.C.	Clear	s. d. 2 0	s. d. 2 3	s. d. 2 3	s. d. 1 8	s. d. 2 3	s. d. 1 8
		Sprayed	2 3	2 6	2 6	1 9	2 6	1 9

† Also supplied inside sprayed at the same price.

15 and 20 watt Sign Lamps can be supplied with daylight glass bulb: prices on application. Natural coloured bulbs are available in the following: 10 watt 100/130 volts; 15 watt 25/30, 50, 60/85, 100/130, and 200/260 volts; 20 watt 100/130 and 200/260 volts only. Green, Blue, Amber 7d. each extra. Red, Ruby or other tints 10d. each extra.

## SERIES BURNING FITTED WITH SHORT-CIRCUITING DEVICE

Volts	Watts	Cap	Clear	Sprayed	Natural Colour
14	7	S.E.S.	s. d. 1 3	s. d. 1 5	s. d. 1 8

## SPECIAL DECORATION TYPE LAMPS

For seasonal and temporary outdoor and indoor decorative illuminations.

Supplied in the following standard colours: Blue, Yellow, Orange, Green, Red, Pink, Flame, Ivory and White.

Voltages	Watts	Caps regularly Supplied	Price each s. d.	
200, 210 220, 230, 240, 250, 260	{ 15 25 }	{ E.S. or B.C. }	1	1†
			1	1†
14 (Series burning fitted with short circuiting device)	{ 5 7 }	{ S.E.S. }	1	9*
			1	0‡

† Supplied with either inside or outside sprayed. ‡ Outside sprayed only.

\* Clear only. Outside Sprayed 1/11 each.



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## SWITCHBOARD INDICATOR

Cap	Voltages					
	25 & 30	50	60, 65, 70, 75, 80, 85	100, 105, 110, 115, 120, 125, 130	150	200, 210, 220, 230, 240, 250, 260
B.C.	s. d. 2 6	s. d. 2 9	s. d. 2 9	s. d. 2 2	s. d. 2 9	s. d. 2 2

This lamp is similar in every respect to the 15 watt Pygmy Sign Lamp, but is fitted with a resistance in the bulb.

## TRACTION LAMPS (Series Burning)

### Gasfilled

### Vacuum

Watts	Amps.	Voltages					Watts	Amps.	Voltages
		100, 110, 120, 130							100, 110, 120, 130
		Pearl	Clear	Opal	Sprayed	Day- light			Clear or Pearl
40	.35	s. d. 1 8	s. d. 1 10	s. d. 1 11	s. d. 1 11	s. d. 2 4	30	.27	s. d. 1 10
60	.52	1 8	1 10	1 11	1 11	2 4	40	.35	1 10

Caps regularly supplied B.C. or E.S.

## TRACTION (Gasfilled) WITH FUSIBLE CUTOUT

Watts	Voltages			
	40 and 50			
	Pearl	Clear	Opal	Daylight
40	s. d. 1 9	s. d. 1 11	s. d. 2 0	s. d. 2 5
60	1 9	1 11	2 0	2 5

Cap regularly supplied E.S.

## MAZDA-VITE LAMP (GASFILLED)

FOR THE LIGHTING OF FLOWER BEDS, ROCKERIES, ETC.

Description	Volts	Watts	Price
Special blue, inside frosted, 120 m/m dia., 210 m/m overall. E.S. Cap, fitted with asbestos ring inserted between the thread and the skirt.	100, 105, 110, 115, 120, 125, 130, 200, 210, 220, 230, 240, 250, 260	500	s. d. 35 0

One or more Mazda-Vite Lamps in suitable reflectors, suspended over flower bed, rockeries, etc., will produce a brilliant sunshine effect and all flowers and foliage will be shown in their true colours. The ultra-violet and infra-red rays also have a beneficial effect on growth.



## MAZDA "SNOW WHITE" LIGHTS

If Walt Disney had begun and ended his cinematic career with the production of "Snow White and the Seven Dwarfs," he would deserve for that alone the enduring affection and gratitude of children the world over. It is believed that this picture will break all box-office records, before (if ever) it is consigned to the limbo of forgotten films.

This story, written by Grimm and animated by Walt Disney, has now been illuminated by Mazda. The eight lively characters of this fairy drama have been reproduced in charming action pictures on the shades of Mazda "Snow White" Lights—the most attractive outfit of its kind ever produced.

Every child who sees one of these sets will want it and every parent who sees one will at once decide that no home with children can possibly be complete without the added grace of Mazda "Snow White" Lights.

200-260 Volts	
"Snow White" Set fitted with attractively tinted translucent shades, and comprising flexible cord, lamp-holders, special combination plug-adaptor, berry bead device, and Mazda Lamps.	12-Lamp Set (with one spare lamp)
	<b>16/-</b>



# THEY STAY BRIGHTER LONGER

## MAZDA DECORATION SETS

### MAZDA MICKEY MOUSE LIGHTS

The most original lighting outfit of modern times. Fitted with attractively tinted translucent shades bearing action pictures of Mickey Mouse characters, and comprising flexible cord, lampholders, special combination plug-adaptor and Mazda Lamps. Berry bead device enables each lampholder to be separately secured to branch of Christmas tree . . . .

Voltagea		
200/260		100/130
16-Lamp Set (with two spare lamps) s. d.	12-Lamp Set (with one spare lamp) s. d.	8-Lamp Set (with one spare lamp) s. d.
<b>24/-</b>	<b>16/-</b>	<b>16/6</b>

### MAZDA BELL-STAR LIGHTS

Fitted with tinted translucent bells and stars and comprising flexible cord, lampholders, special combination plug-adaptor, berry bead device and Mazda Lamps. . . .

<b>24/-</b>	<b>14/6</b>	<b>14/9</b>

### MAZDA FAIRY LIGHTS

The range of popular "Fairy Lights" has been extended to include the new 12-lamp set priced at 5/-. Mazda Fairy Lights are ideal for the festooning of lounge, dining room, or hall, and, of course, for the lighting of Christmas trees. It is a simple outfit without shades, comprising flexible cord, lampholder adaptor, and coloured Mazda Lamps. A novel berry bead device for securing the lamps to Christmas trees, etc., is also supplied with the 16 and 8-lamp sets.

16-Lamp Set (with two spare lamps) s. d.	12-Lamp Set s. d.	8-Lamp Set (with one spare lamp) s. d.
<b>19/6</b>	<b>5/-</b>	<b>12/6</b>

NOTE : The Mazda Lamps, adaptors, plugs and Bell & Star shades used in Mazda Decoration Lights are made in England. The other components are made in Canada.



## MAZDA LIGHT TUBES

### ARCHITECTURAL SERIES

Mazda Light Tubes are supplied in a number of lengths of straight tube, in curved sections of three different radii, and in right-angle sections.

In the home, theatres, dance halls, hotels, shops, etc., extensive use can be made of Mazda Light Tubes for unusual and attractive lighting effects. They are also highly effective for the illumination of display windows and the outlining of advertising signs.

Voltages : 100, 105, 110, 115, 120, 125, 130, 200, 210, 220, 230, 240, 250, 260									
† Overall Lgth.		Diameter, 30 m/m				Diameter 40 m/m			
m/m	Nom. inches	Nom. Watts	White Opal	Col. Opal	Col. Spryd	Nom. Watts	White Opal	Col. Opal	Col. Spryd
STRAIGHT LENGTHS									
150	6	20	s. d. 7 6	s. d. 8 6	s. d. —	—	s. d. —	s. d. —	s. d. —
254	10	30	7 6	8 6	—	—	—	—	—
273	10½	30	10 6	12 0	—	—	—	—	—
305	12	35	10 6	12 0	11 6	60	14 9	16 3	16 0
500	20	40	14 6*	16 9	15 6	100	20 3	22 3	21 9
		60	14 6	16 9	15 6				
		100	21 9	—	—				
610	24	75	16 0	18 6	17 0	120	22 6	24 9	23 9
915	36	110	21 0	24 6	23 0	180	29 6	33 6	32 6
1220	48	150	25 6	29 3	27 6	240	35 9	39 3	38 6
CURVES—½, ⅓, or ¼ CIRCLES									
500	20	{ 40 60 }	20 0	23 0	22 0	100	28 0	30 9	30 9
RIGHT-ANGLE—CENTRE BEND									
500	20	{ 40 60 }	23 6	27 0	25 6	100	33 0	36 3	35 9

Mazda Light Tubes of over 2 feet in length can only be supplied in 200/260 volts.

\* Can also be supplied Clear, White Sprayed, or Outside Frosted at same price.  
† In the case of curved or angle lamps, "overall length" is measured along the centre line of the curve or angle.

Colour Sprayed Mazda Light Tubes are supplied in the following standard colours : Blue, Yellow, Orange, Green, Red, Pink, Flame, and Ivory.

Coloured Opal Mazda Light Tubes are supplied in the following standard colours : Pink, Orange, Yellow, Green, Red, and Flame.

All Mazda Light Tubes can be supplied at the same prices with either round peg type or flat sided caps with a distance between cap centres and end of lamp of 38 m/m and 29 m/m respectively. Please specify which cap is required when ordering.

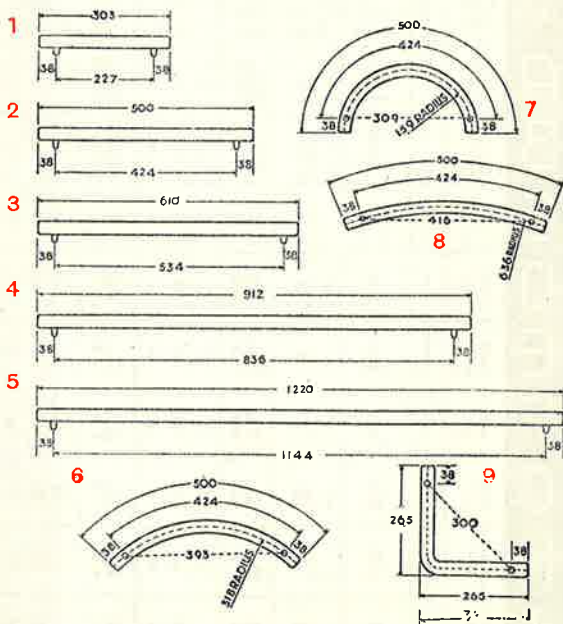
Prices for other lengths and curves—available on application.



# THEY STAY BRIGHTER LONGER

## MAZDA LIGHT TUBES

DIMENSIONS IN MILLIMETRES  
OUTLINES



1 to 5—Straight Type. 6— $\frac{1}{2}$  Curved Type. 7— $\frac{1}{2}$  Curved Type.  
8— $\frac{1}{2}$  Curved Type. 9—Right Angle Type.

CONVERSION TABLE

m/m	Inches	m/m	Inches	m/m	Inches
29	1.14	318	12.52	636	25.04
38	1.50	424	16.69	836	32.91
159	6.26	442	17.40	912	35.91
227	8.94	500	19.69	1144	45.04
265	10.43	534	21.02	1220	48.00
303	11.93	610	24.00		

All Mazda Light Tubes can be supplied alternatively with 30 or 40 m/m dia. tubes.

NOTE :—All dimensions given are subject to manufacturing tolerances



# USE **MAZDA** ELECTRIC LAMPS

## MAZDA LIGHT TUBES—ALPHABET SERIES

Mazda Alphabet Series Light Tubes are supplied in two sizes—12in. and 20 in. letters. Used for sign and fascia lettering, they provide a most novel and attractive effect. In addition to white opal they can be supplied in yellow, green, orange, pink, red, and flame opal.

### 12 INCH LETTERS

LETTER	Code Nos.	Quantity	Watts		Opal Price each	Total		Col. Opal Price each	Total	
			Section	Total		£	s. d.		£	s. d.
<sup>A16</sup> A <sub>A1 A4</sub>	A.1 A.4 A.16	1 1 1	20 36 48	} 104	7/6 10/6 25/-	} 2	3 0	8/6 12/- 28/9	} 2	9 3
<sup>A15</sup> B <sub>A9</sub>	A.4 A.9 A.15	1 1 1	36 36 45	} 117	10/6 25/- 25/-	} 3	0 6	12/- 28/9 28/9	} 3	9 6
<sup>A23</sup> C <sub>A23</sub>	A.23	1	63	63	26/3	1	6 3	30/-	1	10 0
<sup>A15</sup> D <sub>A4</sub>	A.4 A.25	1 1	36 63	} 99	10/6 26/3	} 1	16 9	12/- 30/-	} 2	2 0
<sup>A1</sup> E <sub>A1 A1</sub>	A.1 A.4	3 1	20 36	} 96	7/6 10/6	} 1	13 0	8/6 12/-	} 1	17 6
<sup>A1</sup> F <sub>A1</sub>	A.1 A.4	2 1	20 36	} 76	7/6 10/6	} 1	5 6	8/6 12/-	} 1	9 0
<sup>A21</sup> G <sub>A1</sub>	A.1 A.21	1 1	20 60	} 80	7/6 26/3	} 1	13 9	8/6 30/-	} 1	18 6
<sup>A4</sup> H <sub>A1 A4</sub>	A.1 A.4	1 2	20 36	} 92	7/6 10/6	} 1	8 6	8/6 12/-	} 1	12 6
<sup>A4</sup> I <sub>A4</sub>	A.4	1	36	36	10/6		10 6	12/-		12 0
<sup>A18</sup> J <sub>A18</sub>	A.18	1	51	51	25/-	1	5 0	28/9	1	8 9
<sup>A1</sup> K <sub>A1 A2</sub>	A.1 A.2 A.4	1 1 1	20 30 36	} 86	7/6 7/6 10/6	} 1	5 6	8/6 8/6 12/-	} 1	9 0
<sup>A4</sup> L <sub>A1</sub>	A.1 A.4	1 1	20 36	} 56	7/6 10/6	} 1	18 0	8/6 12/-	} 1	0 6
<sup>A17</sup> M <sub>A1 A2 A4</sub>	A.2 A.4	2 2	30 36	} 132	7/6 10/6	} 1	16 0	8/6 12/-	} 2	1 0



# THEY STAY BRIGHTER LONGER

## MAZDA LIGHT TUBES

### ALPHABET SERIES—12 INCH LETTERS

LETTER	Code Nos.	Quantity	Watts		Opal Price each	Total		Col. Opal Price each	Total	
			Section	Total		£	s. d.		£	s. d.
N <sup>A.4</sup> A.4	A.4	3	36	108	10/6	1	11 6	12/-	1	16 0
O <sup>A.14</sup> A.14	A.14	2	45	90	25/-	2	10 0	28/9	2	17 6
P <sup>A.4 A.15</sup> A.4 A.15	A.4 A.15	1 1	36 45	} 81	10/6 25/-	} 1	15 6	12/- 28/9	} 2	0 9
Q <sup>A.1 A.13 A.14</sup> A.1 A.13 A.14	A.1 A.13 A.14	1 1 1	20 39 45	} 104	7/6 25/- 25/-	} 2	17 6	8/6 28/9 28/9	} 3	6 0
R <sup>A.1 A.4 A.15</sup> A.1 A.4 A.15	A.1 A.4 A.15	1 1 1	20 36 45	} 101	7/6 10/6 25/-	} 2	3 0	8/6 12/- 28/9	} 2	9 3
S <sup>A.10</sup> A.10	A.10	2	39	78	25/-	2	10 0	28/9	2	17 6
T <sup>A.2 A.3</sup> A.2 A.3	A.2 A.3	1 1	30 32	} 62	7/6 10/6	} 1	8 0	8/6 12/-	} 1	0 6
U <sup>A.32</sup> A.32	A.32	1	81	81	33/9	1	13 9	38/9	1	18 9
V <sup>A.4</sup> A.4	A.4	2	36	72	10/6	1	1 0	12/-	1	4 0
W <sup>A.2 A.4</sup> A.2 A.4	A.2 A.4	2 2	30 36	} 132	7/6 10/6	} 1	16 0	8/6 12/-	} 2	1 0
X <sup>A.12</sup> A.12	A.12	2	39	78	25/-	2	10 0	28/9	2	17 6
Y <sup>A.1 A.11</sup> A.1 A.11	A.1 A.11	1 1	20 39	} 59	7/6 25/-	} 1	12 6	8/6 28/9	} 1	17 3
Z <sup>A.2 A.4</sup> A.2 A.4	A.2 A.4	2 1	30 36	} 96	7/6 10/6	} 1	5 6	8/6 12/-	} 1	9 0

Two lampholders are required for each section of letter. Holders are not included in the above prices.



# USE **MAZDA** ELECTRIC LAMPS

## MAZDA LIGHT TUBES ALPHABET SERIES—20 INCH LETTERS

LETTER	Code Nos.	Quantity	Watts		Opal Price each	Total			Col. Opal Price each	Total		
			Section	Total		£	s.	d.		£	s.	d.
A <sup>A34</sup> A <sup>A7</sup> A <sup>A4</sup>	A.4	1	36	177	10/6	2	18	9	12/-	3	7	6
	A.7	1	60		14/6				16/9			
	A.34	1	81		33/9				38/9			
B <sup>A33</sup> A <sup>A7</sup> A <sup>A22</sup>	A.7	1	60	201	14/6	3	14	6	16/9	4	5	6
	A.22	1	60		26/3				30/-			
	A.33	1	81		33/9				38/9			
C <sup>A19</sup> A <sup>A20</sup>	A.19	1	54	108	25/-	2	10	0	28/9	2	17	6
	A.20	1	54		25/-				28/9			
D <sup>A7</sup> A <sup>A36</sup>	A.7	1	60	168	14/6	2	19	6	16/9	3	8	6
	A.36	1	108		45/-				51/9			
E <sup>A2</sup> A <sup>A7</sup> A <sup>A2</sup>	A.1	1	20	140	7/6	1	17	0	8/6	2	2	3
	A.2	2	30		7/6				8/6			
	A.7	1	60		14/6				16/9			
F <sup>A2</sup> A <sup>A1</sup> A <sup>A1</sup>	A.1	1	20	110	7/6	1	9	6	8/6	1	13	9
	A.2	1	30		7/6				8/6			
	A.7	1	60		14/6				16/9			
G <sup>A19</sup> A <sup>A17</sup> A <sup>A1</sup>	A.1	1	20	125	7/6	2	17	6	8/6	3	6	0
	A.17	1	51		25/-				28/9			
	A.19	1	54		25/-				28/9			
H <sup>A7</sup> A <sup>A2</sup> A <sup>A7</sup>	A.2	1	30	150	7/6	1	16	6	8/6	2	2	0
	A.7	2	60		14/6				16/9			
I <sup>A7</sup>	A.7	1	60	60	14/6		14	6	16/9		16	9
J <sup>A35</sup>	A.35	1	84	84	37/6	1	17	6	43/-	2	3	0
K <sup>A4</sup> A <sup>A5</sup> A <sup>A5</sup>	A.4	1	36	138	10/6	2	1	0	12/-	2	7	3
	A.5	1	42		16/-				18/6			
	A.7	1	60		14/6				16/9			
L <sup>A7</sup> A <sup>A2</sup>	A.2	1	30	90	7/7	1	2	0	8/6	1	5	3
	A.7	1	60		14/6				16/9			
M <sup>A14</sup> A <sup>A14</sup> A <sup>A14</sup>	A.7	4	60	240	14/6	2	18	0	16/9	3	7	0

Two lampholders are required for each section of letter. Holders are not included in the above prices.



# THEY STAY BRIGHTER LONGER

## MAZDA LIGHT TUBES ALPHABET SERIES—20 INCH LETTERS

LETTER	Code Nos.	Quantity	Watts		Opal Price each	Total		Col. Opal Price each	Total	
			Section	Total		£	s. d.		£	s. d.
<sup>A7</sup> <sub>A7</sub> N	A.7 A.8	2 1	60 62	} 182	14/6 16/-	} 2	5 0	16/9 18/6	} 2	12 0
<sup>A31</sup> <sub>A31</sub> O	A.31	2	78	156	33/9	3	7 6	38/9	3	17 6
<sup>A7</sup> <sub>A33</sub> P	A.7 A.33	1 1	60 81	} 141	14/6 33/9	} 2	8 3	16/9 38/9	} 2	15 6
<sup>A7</sup> <sub>A1</sub> Q	A.1 A.29 A.31	1 1 1	20 72 78	} 170	7/6 30/- 33/9	} 3	11 3	8/6 34/6 38/9	} 4	1 9
<sup>A11</sup> <sub>A7</sub> R	A.2 A.7 A.33	1 1 1	30 60 81	} 171	7/6 14/6 33/9	} 2	15 9	8/6 16/9 38/9	} 3	4 0
<sup>A30</sup> <sub>A30</sub> S	A.30	2	72	144	30/-	3	0 0	34/6	3	9 0
<sup>A5</sup> <sub>A6</sub> T	A.5 A.6	1 1	42 56	} 98	16/- 16/-	} 1	12 0	18/6 18/6	} 1	17 0
<sup>A18</sup> <sub>A18</sub> U	A.27 A.28	1 1	69 69	} 138	30/- 30/-	} 3	0 0	34/6 34/6	} 3	9 0
<sup>A7</sup> <sub>A7</sub> V	A.7	2	60	120	14/6	1	9 0	16/9	1	13 6
<sup>A7</sup> <sub>A7</sub> W	A.7	4	60	240	14/6	2	18 0	16/9	3	7 0
<sup>A26</sup> <sub>A26</sub> X	A.26	2	66	132	30/-	3	0 0	34/6	3	9 0
<sup>A4</sup> <sub>A24</sub> Y	A.4 A.24	1 1	36 63	} 99	10/6 26/3	} 1	16 9	12/- 30/-	} 2	2 0
<sup>A4</sup> <sub>A7</sub> Z	A.4 A.7	2 1	36 60	} 132	10/6 14/6	} 1	15 6	12/- 16/9	} 2	0 9

Two lampholders are required for each section of letter. Holders are not included in the above prices.

NOTE:—Metal Mounts for all letters are available. Particulars on application. See page 20 for special lampholders—Type "D"—to be used with Alphabet Series Light Tubes.



## LAMPHOLDERS for MAZDA LIGHT TUBES

### Type "B" for Flat-sided Caps.

Single contact holder of unique design in black moulded composition with special ball clips at either side, both being fitted with locking screws which hold the lamp safely and securely in position without the use of external wire clips.

**PRICE**

**4/-**

**PER PAIR**

### Type "C" for Peg Caps. (Patent No. 451773)

Black moulded composition single contact holder, incorporating special sliding locking device. Single fixing hold provided at actual cap centre point, consisting of a loose sleeve which makes permanent yet non-rigid fixture. No attempt should be made to drive fixing screw right home.

**PRICE**

**3/6**

**PER PAIR**

### Type "D" for Peg Caps (Patent No. 476577)

This holder is of neater appearance than the usual rectangular type of holder and has a single fixing hole. The lamp cap is secured in the holder by means of an internal projection which is forced into position by the ring on the outside of the holder. Where it is desired to conceal the base of the holder, this ring can be used like an ordinary shade ring to secure the holder in position. The holder is made in black moulded composition.

**PRICE**

**3/-**

**PER PAIR**

*All lampholders can be supplied colour sprayed in any standard colour at 4d. per pair extra.*



# THEY STAY BRIGHTER LONGER

## MERCRA LAMPS

FOR USE ON ALTERNATING CURRENT ONLY  
250 and 400 watts.

Mercra Lamps are mercury vapour electric discharge lamps, and find their principal applications in street lighting, floodlighting and industrial lighting.

The lamp consists of two glass envelopes, the space between the inner and outer envelope being for heat retention purposes. The electrodes, which require no separate heating transformers, are mounted one at each end of the inner tube and are heavily coated to give a high electronic emission when incandescent.

A third electrode situated close to one of the main electrodes and connected to the mains through a series resistance serves to stimulate conduction at starting.

Each lamp requires a choke in series with it, to control the current passing, since the lamp has no electrical resistance of its own, and in some cases certain other auxiliary equipment is desirable, such as a condenser connected across the mains where power-factor correction is required.

Full technical details will be supplied upon application.

Watts	Cap	Voltages	Initial Luminous Output	Price each
			Lumens	s. d.
250	G.E.S.	100/130 200/260	8,500 9,000	37 6
400	G.E.S.	100/130 200/260	16,000 18,000	40 0

*Dimensions on page 50.*



## MERCRA LAMPS

FOR USE ON ALTERNATING CURRENT ONLY  
80 and 125 watts.

The new 80 watt and 125 watt lamps represent an addition to the original well-known Mercra range, so that Mercra lamps are now available in a range of wattages capable of meeting almost any street lighting, floodlighting or industrial lighting requirements.

The new lamps are designed to secure high efficiency combined with compact size. For the first time a mercury vapour discharge lamp resembles in its general shape and size, the incandescent filament lamps of normal practice, and the long tubular outer bulb disappears to give place to a bulb similar in shape and dimension to the 150 or 200 watt standard gasfilled bulb.

They operate on the same principle as the higher wattages described overleaf, but may be burnt in any position. A choke is required for each lamp, and to prevent the possibility of accidental insertion of the lamp in sockets not provided with a choke, the bayonet cap has three instead of the standard two pins.

If the circuit voltage is liable to fall below 200 volts, or if the weather is liable to be extremely cold at night, the use of an auto-transformer is recommended.

Watts	Cap.	A. C. Voltages	Initial Luminous Output	Price each
80 125	{ 3-Pin B.C. }	200/260	Lumens 3040 5000	s. d. 30 0 35 0

*Dimensions on page 50.*

Specially designed BTH Lanterns, Mazdalux Fittings and Flood-light Projectors are manufactured for use in conjunction with Mercra Lamps. Write for latest lists.



**THEY STAY BRIGHTER LONGER**

## **MERCRA FLUORESCENT LAMPS**

**FOR USE ON-ALTERNATING CURRENT ONLY**

**400 watts**

The light from the ordinary mercury discharge lamp, because of the small emission of red light, has a distorting effect upon certain colours. It is impossible, for instance, to distinguish between reds and various shades of brown. The Mercra Fluorescent Lamp has been developed to meet requirements where some degree of colour rendering is important.

The mercury vapour discharge tube is mounted in an enlarged outer jacket, the inner surface of which is coated with powder which fluoresces under ultra-violet radiation from the inner lamp. This fluorescent radiation provides colour correction, by adding both red and middle blue light.

The electrical characteristics of this lamp are similar to the standard 400 watt Mercra Lamp in that it requires to be operated on alternating current with a standard choke and if desired, a condenser for power factor correction.

These lamps have been designed for industrial lighting. They are available in two shapes, pear-shaped (iso-thermal) and tubular. The iso-thermal is slightly more efficient, but the tubular has been designed for situations in which the greater diameter of the former cannot be accommodated.

While the degree of colour correction does not render the light emitted from the lamp equivalent to daylight, it is nevertheless much more pleasing than uncorrected mercury light.

Type	Watts	Cap	A.C. Voltages	Initial Luminous Output	Price each
Iso-thermal	400	G.E.S.	200/260	Lumens 15200	s. d. 55 0
Tubular	400	G.E.S.	200/260	14800	55 0

*Dimensions on page 50*



## MERCRA LAMP WITH ULTRA-VIOLET FILTER BULB

FOR USE ON ALTERNATING CURRENT ONLY

**125 watts**

This special lamp has been developed as a highly efficient source of near ultra-violet radiation with a minimum of visible light. The near ultra-violet radiation lying only just beyond the violet end of the visible spectrum, does not cause sunburning, but has many interesting properties. The most important of these is its power to excite fluorescence and phosphorescence in many substances.

Where identification is almost impossible in visible light, many substances can be easily identified by means of such fluorescence. Stains on fabrics often become strikingly evident under this radiation and it is possible to distinguish between apparently similar materials such as natural and artificial gems.

The lamp is of the mercury vapour electric discharge type and with the exception of the outer envelope, is similar to the 125 watt Mercra Lamp. It consists of two envelopes, the outer one being made of Ultra-Violet filter glass, which cuts off the visible light emission almost completely. The inner one is of a special grade of transparent quartz. This material withstands adequately the high temperature of the arc light source which is highly concentrated. The arc passes between two special activated electrodes, one of which is associated with an auxiliary electrode, in order to ensure reliable starting.

The lamp can be used at any angle and operates on alternating current with a correctly designed choke, and, if desired, a condenser can be used to improve the power factor.

If the circuit voltage is liable to fall below 200 volts, or if the weather is liable to be extremely cold at night, the use of an auto-transformer is recommended.

Watts	Cap	A.C. Voltages	Price each s. d.
125	3-pin, B.C.	200/260	52 6

*Dimensions on page 50*



# THEY STAY BRIGHTER LONGER

## SODRA LAMPS

FOR USE ON ALTERNATING CURRENT ONLY

50, 65, 100, and 150 watts

Sodra lamps are sodium vapour electric discharge lamps primarily designed for street lighting purposes.

The Sodra lamp consists of two separate components, an inner arc tube bent into a "U" shape and an outer envelope which is a double walled vacuum flask. At the end of its guaranteed life (2500 hours) only the arc tube as a rule need be replaced.

The electrodes which require no separate heating transformers are mounted one at each end of the inner "U" tube and are treated to give a high electronic emission when incandescent.

A special 2-ply glass is used for the arc tube. A thin sheet of sodium resistant glass, which withstands attack from sodium vapour at high temperatures, is fused to the inner surface of a glass tube which possesses the mechanical properties required by the arc tube as a whole.

As with all discharge lamps some form of auxiliary gear is necessary to limit and stabilize the current when the lamp is operated. For this purpose a high reactance transformer is necessary.

The light given by the Sodra lamp is monochromatic, and is orange-yellow in colour. It gives a single line spectrum as distinct from the continuous spectrum of the tungsten lamp and the multi-line spectrum of mercury vapour discharge lamps.

### STANDARD CAP : B.C. (Ceramic).

Watts	Standard A.C. Voltages 100/130, 200/260					
	Without Jacket		With Fixed Jacket		With Detach. Jacket	
50	s. 32	d. 6	s. 35	d. 4	s. 41	d. 0
65	40	0	43	4	50	0
100	50	0	53	10	61	6
150	65	0	69	6	78	6

*Dimensions on page 51.*



# USE **MAZDA** ELECTRIC LAMPS

## PROJECTOR LAMPS (GASFILLED)

### CLASS A1—TUBULAR BULB

For Cinema Projectors, Home Cinema Apparatus, Advertising Projectors, Photo-enlarging Apparatus, etc. They can be brought close to the lens and by the use of a short focus condenser, an unusually large proportion of light can be transmitted. For the home cinema, the introduction of the pre-focus cap has reduced focussing difficulties to a minimum.

**MAXIMUM LIFE—100 hrs.**

Rating		Standard Cap	Type of Filament	Price each	
Volts	Watts			s.	d.
15a	750c	G.E.S.	Vert. Grid	43	0
15b	750c	G.E.S.	"	50	0 d
30	100	E.S.	"	10	9
	250	E.S.	"	22	6
	500	G.E.S.	"	35	0
	900	G.E.S.	"	35	0
50	200	E.S.	"	21	0
	250	E.S.	"	21	0
	500	E.S. or G.E.S.	"	26	0
52	260	Prefocus	"	22	0
60	100	E.S.	"	12	6
	180	E.S.	"	17	6
75	375†	E.S.	"	29	0
100, 110, 115	50	A.S.C.C.	Coiled-Coil	6	6
	100	A.S.C.C.	"	11	9
	100	E.S.	Vert. Grid.	10	9
	200†	A.S.C.C.	Coiled-Coil	16	9
	200†	E.S.	"	16	9
	250	E.S.	Vert. Grid.	20	0
	300	A.S.C.C.	—	25	0
	300	E.S.	Vert. Grid	25	0
	300†	E.S.	Coiled-Coil.	25	0
	400 §†	Prefocus	Biplane	35	0
	500	E.S. or G.E.S.	Vert. Grid.	24	0
	500§†	Prefocus	Biplane	37	6
	750§†	Prefocus	"	42	6
	1000	G.E.S.	Vert. Grid.	30	0
	1000	G.E.S.	Arc	30	0
	1000§†	Prefocus	Biplane	55	0
200, 210, 220, 230, 240, 250, 260	100	A.S.C.C.	Coiled-Coil	11	9
	100	E.S.	"	10	9
	250	E.S.	"	20	0
	500	E.S. or G.E.S.	"	24	0
	1000	G.E.S.	"	30	0

† Life 25 hours.

§ These lamps are manufactured in U.S.A.

(a) Diameter 64 m/m, length 230 m/m, L.C.L. 120 m/m.

(b) Diameter 60 m/m, length 260 m/m, L.C.L. 212 m/m.

(c) If required for cinema use these lamps may be fitted with a special lead attached to centre contact of cap.

(d) If silvered, 265 m/m length, 55/- each.

Extra Charges: For Medium Pre-focus, 1/-.

For Goliath Pre-focus 2/6.



# THEY STAY BRIGHTER LONGER

## PROJECTOR LAMPS (GASFILLED)

### CLASS A2—ROUND BULB

These lamps are suitable for Stage Limes, Spotlights, etc., and should be burned vertically with cap below. Slight variations in the burning angle do not affect the life. **MAXIMUM LIFE—300 hours.**

Rating		Standard Cap	Type of Filament	Price each	
Volts	Watts			s.	d.
20	80	E.S. or S.B.C.	Vert. Grid	8	6
100-110 115	100	E.S.	"	10	9
	250	E.S.	"	20	0
	500	G.E.S.	"	27	6
	1000	G.E.S.	"	38	0
	1500	G.E.S.	"	52	6
	2000	G.E.S.	"	76	0
	3000	G.E.S.	"	105	0
200, 210, 220, 230, 240, 250, 260	100	E.S.	"	10	9
	250	E.S.	"	20	0
	500	G.E.S.	"	27	6
	1000	G.E.S.	"	38	0
	1500	G.E.S.	"	55	0
	2000	G.E.S.	"	86	0
	3000	G.E.S.	"	115	0

### CLASS A3—ROUND BULB

These lamps are designed for horizontal burning and are suitable for SPOTLIGHTS, STAGE LIMES, MEDICAL EXAMINATION TUBES, ADVERTISING PROJECTORS, ETC. **MAXIMUM LIFE—300 hrs**

Rating		Standard Cap	Type of Filament	Price each	
Volts	Watts			s.	d.
30	100	E.S.	Horizontal Grid	10	9
50	100	E.S.		10	9
	250	E.S.		20	0
100, 110, 115	100	E.S.		10	9
	250	E.S.		20	0
	500	G.E.S.		27	6
	1000	G.E.S.		38	0
	1500	G.E.S.		52	6
200, 210, 220, 230, 240, 250, 260	100	E.S.		10	9
	250	E.S.		20	0
	500	G.E.S.		27	6
	1000	G.E.S.		38	0
	1500	G.E.S.		55	0

### CLASS B1—ROUND BULB

For the floodlighting of buildings, hoardings, signs, etc., or for theatre and cinema spotlighting where length of life and reliability are of chief importance. Can be used in any position except with cap uppermost at an angle of 45° or less from vertical.

**MAXIMUM LIFE—800 hrs.**

Rating		Standard Cap	Type of Filament	Price each	
Volts	Watts			s.	d.
100, 105, 110, 115,	100	E.S.	Bunch	9	0
120, 125, 130, 200,	250	E.S.	"	17	6
210, 220, 230, 240,	500	G.E.S.	"	23	0
250, 260	1000	G.E.S.	"	30	0



## PROJECTOR LAMPS (Gasfilled)

### CLASS B2.—PEAR SHAPE BULB

These lamps can be burned in any position including cap up.

**FLOODLIGHTING LAMPS.**

**MAXIMUM LIFE—800 hrs.**

Rating		Standard Cap	Type of Filament	Price each	
Volts	Watts			s.	d.
200, 210, 220,	500	G.E.S.	Bunch	23	0
230, 240, 250,		G.E.S.	Bunch	30	0
260					

### CLASS E—ROUND BULB

#### Epidiascope

Suitable also for spotlight and shop window projectors which have to be rotated through wide angles. Can be used in any position up to 45° from vertical cap downwards.

**MAXIMUM LIFE—100 hrs.**

Rating		Standard Cap	Type of Filament	Price each	
Voltage	Watts			s.	d.
100 to 115 {	250	E.S.	Grid	25	0
200 to 260 {	500	E.S.	"	30	0

Class E lamps can also be supplied with G.E.S. cap.

### CLASS F (Below 20 volts)

Designed for the smaller forms of home cinemas, delicate surgical and ophthalmic work. Intended primarily for use with batteries.

**MAXIMUM LIFE—100 hrs.**

Rating		Standard Cap	Type of Bulb	Type of Filament	Price each	
Volts	Watts				s.	d.
4	8	S.E.S.	Round	Hor-Helix	3	9
6	24	E.S.	"	"	4	3
6	54§	E.S.	Tubular	Hor-Tungsten Ribbon	20	0
6*	108§	E.S.	"	"	30	0
12	24	S.B.C.	Round	Hor-Helix	3	9
12	48	E.S.	"	Twin Pillar	3	9
12	100	E.S.	Tubular†	"	10	9
12	300	G.E.S.	"	"	32	6

§ Made in U.S.A.

\* Can also be supplied with vertical filament.

† Also Round Bulbs at 12/- each.



# THEY STAY BRIGHTER LONGER

## PROJECTOR LAMPS (GAS FILLED)

### CLASS G

#### EXCITER LAMPS FOR SOUND FILM APPARATUS

**MAXIMUM LIFE—100 hours.**

These lamps must be burnt vertically cap down.

Rating			Cap	Price each	
Volts	Watts	Amps.		s.	d.
8	32	4	E.S.	6	6
8	32	4	A.S.C.C.	5	6
8.5	34	4	A.S.C.C.	6	0
10	50	5	A.S.C.C.	7	6
10	75	7.5	A.S.C.C.	7	6

## LAMPS FOR FILM STUDIO SPOTLIGHTS

The construction of the filament of these high wattage lamps enables them to burn under the most exacting conditions, and they are absolutely silent in operation.

**LIFE—1000 & 2000 w., 200 hours, 500, 3000, 5000 & 10000 w., 100 hours.**

Rating		Standard Cap	Type of Filament	Price each	
Volts	Watts			s.	d.
100, 105, 110, 115, 120, 125, 130	500§	Med. Bipost	Grid	32	6
	1000§	Bipost	"	65	0
	2000	G.E.S. or Bipost	"	85	0
200, 210, 220, 230, 240, 250, 260	2000	G.E.S. or Bipost	"	85	0
	3000	G.E.S.	"	115	0
	3000	G.E.S.	"	105	0
100, 105, 110, 115, 120, 125, 130	5000§	Prong or Bipost	"	300	0
	10000§	Prong	"	400	0

§ These lamps are manufactured in U.S.A.

## BROADSIDE LAMPS FOR FILM STUDIOS

These lamps burn at any angle, including cap up.

**LIFE—1000 hours.**

Rating		Standard Cap	Type of Filament	Price each	
Volts	Watts			s.	d.
100, 105, 110, 115, 120, 125, 130	1500	G.E.S.	Staggered Spiral	22	6
	2500§	G.E.S.		60	0

§ Made in U.S.A.

## "LINE" FILAMENT TUBULAR LAMPS

These lamps are suitable for vertical or horizontal burning.

**MAXIMUM LIFE 800 hours**

Rating		Price each
Volts	Watts	
100, 105, 110, 115, 120, 125, 130, 200, 210, 220, 230, 240, 250, 260	250	30 0
	500	35 0
	1000	45 0
	1500	55 0



## PHOTO FLOOD

Rating		Life hrs.	Standard Cap	Price each	
Volts	Watts			s.	d.
100—125 and 200—250	275	2	B.C. with fuse	2	6
200—260	500	6	E.S. with fuse	6	0
100—130 and 200—260	1000	10	G.E.S.	15	0

## PHOTO PEARL

Giving a life of approximately 100 hours, which is sufficient for hundreds of exposures, these lamps are most economical in use.

Rating		Standard Cap	Price each	
Volts	Watts		s.	d.
100—130 and 200—260	500	E.S.	20	0

## AIRCRAFT LAMPS

### LANDING LIGHTS

All the lamps listed here comply with Air Ministry regulations.

Rating		Amps.	Cap	Filament	Price each	
Volts	Watts				s.	d.
9	135	15	Prefocus	Single	18	0
9	135	15	Prefocus	Double	23	0
12	144	12	Prefocus	Single	18	6
12	144	12	Prefocus	Double	23	0
12	288	24	Prefocus	Single	25	0
11	131	12	Prefocus	Double	23	0
11	264	24	Prefocus	Single	25	0
11	264	24	Prefocus	Double	32	6

Type	Rating		Cap†	Price each	
	Volts	Watts		s.	d.
NAVIGATION LIGHTS..	6	36	S.C.C.	3	0
CABIN "LIGHTS" ..	12 "v" Fil	36	S.C.C.	2	0
COCKPIT "AND DASH- BOARD LIGHTS" ..	6	36	S.C.C.	3	0
	12 "v" Fil	36	S.C.C.	2	0
INDICATOR "LIGHTS" ..	6	6	S.C.C.	1	2
	12	6	S.C.C.	1	0
	12	24	M.E.S.	1	0

† For S.B.C. in place of S.C.C., 1d. each extra.



**THEY STAY BRIGHTER LONGER**

## CAR BULBS—SIMPLIFIED SERIES

Listed on this and the next page are the bulbs in most frequent demand for the vast majority of cars used in this country. For convenience of ordering, each bulb is designated by a catalogue number. Full information on the complete range of Mazda Car Bulbs is given on other pages.

### MAZDA REGULATION BULBS

#### "U" Filament, Patent 352063

Mazda Regulation Bulbs provide a flat beam complying with the law and giving ample light for the average motorist. The Single "U" Filament Bulb gives a safe light without dipping or manipulation. The Double Filament Bulb provides in addition an alternative beam covering the tree tops, etc., for occasional use at high speeds.

Catalogue No.	Volts	Watts	Cap	Price—Clear s. d.
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#### HEADLIGHTS "REGULATION"—Single "U" Filament

M 15	6	24	S.C.C.	2	6
M 16	12	36		2	6
M 17	12	48		3	6
M 18	12	60		4	6

#### HEADLIGHTS "REGULATION"—Double Filament "U" & "V"

M 25	6	24 & 18	S.B.C.	3	6
M 26	12	36 & 24		3	6

#### HEADLIGHTS—Single "V" Filament

M 35	6	18	S.C.C.	2	0
M 36	6	24		2	0
M 37	6	36		3	0
M 38	12	36		2	0
M 39	12	48		3	0
M 40	12	60		4	0

#### HEADLIGHTS—Double Filament—Reflector Type

M 45	6	24 & 18	S.B.C.	3	3
M 46	12	36 & 24		3	3

#### HEADLIGHTS—Double Filament—Bi-focal

M 50	6	18 & 24	S.B.C.	3	0
M 51	6	24 & 24		2	9
M 52	12	36 & 24		3	0

#### HEADLIGHTS—Double Filament—12 o/c. Type

M 55	6	18 & 18	S.B.C.	3	0
M 56	6	24 & 24		2	9
M 57	6	36 & 24		2	9
M 58	12	24 & 24		3	9
M 59	12	36 & 24		3	0



## CAR BULBS—SIMPLIFIED SERIES—(Continued)

Catalogue No.	Volts	Watts	Cap	Price—Clear s. d.
SIDE, TAIL, AND DASH LIGHTS				
M 65	6	3	} S.C.C. {	1 0
M 66	12	6		1 0
STOPLIGHTS				
M 70	6	18 & 3	} S.B.C. {	2 0
M 71	12	18 & 3		2 6
INDICATOR LIGHTS				
M 75	6	1.8	M.C.C.	1 6
M 76	6	3	} M.E.S. {	1 0
M 77	12	2.4		1 0
M 78	12	3.6	M.C.C.	1 6
FESTOON or TRAFFICATOR LIGHTS				
M 80	6	3	—	1 6
M 81	6	6	—	1 9
M 82	12	3	—	1 6
M 83	12	6	—	1 9

## CAR BULBS—COMPLETE RANGE

Volts	Watts	Cap	Clear s. d.	Daylight Blue s. d.
HEADLIGHTS—Single Filament—"Line" or "V"				
4	6*	} S.C.C. }	2 9	—
	8*		2 9	—
	6*		2 8	—
6	12		2 5	—
	18		2 0	—
	24		2 0	2 6
	30		2 6	—
	36		3 0	—
12	12		2 11	—
	24		2 0	—
	36		2 0	2 6
	48		3 0	3 9
13.5	60		4 0	—
	24	} S.B.C. or S.C.C. }	2 3	—
	36		2 3	—
24	3 0		—	
36	3 0		—	
24	48	4 0	—	
"REGULATION" HEADLIGHT Single "U" Filament †				
6	24	} S.C.C. }	2 6	—
6	36		3 6	—
12	36		2 6	—
12	48		3 6	—
12	60		4 6	—

\* Line filament only.

† Tip frosting 1d. each extra.



# THEY STAY BRIGHTER LONGER

## CAR BULBS—COMPLETE RANGE—(Continued)

Volts	Watts	Cap	Clear s. d.	Daylight Blue s. d.		
HEADLIGHTS—Double Filament						
6	12 & 3	S.B.C. or A.S.B.C.	3 6	4 4		
	12 & 12		3 6	—		
	18 & 3		3 3	4 1		
	18 & 18		3 0	—		
	24 & 18		3 0	3 9		
	24 & 24		2 9	3 5		
	30 & 30		4 6	—		
	36 & 24		2 9	—		
12	36 & 36		3 0	—		
	24 & 6		3 6	—		
	24 & 24		3 9	—		
	36 & 6		3 6	—		
	36 & 24		3 0	—		
	36 & 36		5 0	—		
	"REGULATION" HEADLIGHTS Double Filament "U" & "V"†					
	6		24 & 18	S.B.C. or A.S.B.C.	3 6	—
24 & 24		3 3	—			
36 & 24		3 3	—			
12	36 & 24	3 6	—			
HEADLIGHTS—Double Filament Reflector Type §						
6	6 & 6	Bosch or S.B.C.	4 3	—		
	12 & 12		3 6	—		
	18 & 18		3 6	—		
	24 & 18		3 3	4 1		
	30 & 24		4 0	—		
12	36 & 24		4 0	—		
	24 & 24		3 6	—		
	36 & 24		3 3	4 1		
13.5	24 & 24		4 0	—		
	36 & 24		4 0	—		
24	36 & 24	4 6	—			
HEADLIGHTS—Double Filament with Depressable Beam 12 o/c Type						
6	12 & 12	S.B.C. or A.S.B.C.	3 6	—		
	18 & 18		3 0	—		
	24 & 24		2 9	3 5		
	30 & 30		4 6	—		
	36 & 24		2 9	—		
12	24 & 24		3 9	—		
	36 & 24		3 0	—		
	36 & 36		5 0	—		
HEADLIGHTS—Double Filament—Bi-focal						
6	18 & 24		S.B.C. or A.S.B.C.	3 0	3 9	
	24 & 24	2 9		3 5		
12	36 & 24	3 0		—		

† Tip frosting 1d. extra. Single Fil. 6v. 24w. or 12v. 36w. (without main fil.) 4/-  
Satin Etching—No extra for Dble Fil. Reflector Type. Others 1d. extra.



# USE MAZDA ELECTRIC LAMPS

## CAR BULBS—COMPLETE RANGE—(Continued)

Continued

Volts	Watts	Cap	Price each s. d.	
SIDE, TAIL, AND DASH LIGHTS				
2.4	1.2 1.92	M.E.S.	1	8
3	2	S.C.C.	1	8
4	3		1	8
6	3 6		1	0
8	4		1	8
12	4 6		1	3
			1	0
24	6		S.B.C. or S.C.C.	2
STOPLIGHTS				
6	12 18 & 3	S.C.C.	2	0a
12	18 & 3	S.B.C.	2	0a
			2	6a
INDICATOR LIGHTS—Vacuum				
4	2	M.E.S.	1	6
6	1	M.C.C.	1	6
6	1.8	M.E.S. or M.C.C.	1	6
6	2.5	M.C.C.	1	6
6	3	M.E.S.	1	0
8	1.6	M.E.S.	1	6
12	2.4	M.E.S.	1	0
12	2.4	M.C.C.	1	3
12	3.6	M.E.S. or M.C.C.	1	6
16	3	M.E.S.	1	6
FESTOON or TRAFFICATOR LIGHTS—Vacuum				
4	3	—	2	0
6	3	—	1	6
6	6	—	1	9*
12	3	—	1	6
12	6	—	1	9*
TUBULAR—Vacuum				
12	6	S.B.C. or S.C.C.	2	9
12	12		3	5
DOME LIGHTS—Vacuum				
6	6	S.B.C. or S.C.C.	2	6
12	9		2	9

(a) A.S.B.C. cap with offset pins 3d. extra. \*38 m/m. only. 44 m/m. 2/- each.  
CAPS: Except where specified in the tabulations the following extra charges for  
alternative caps are made:—For B.C., S.B.C., A.S.B.C., A.S.C.C., E.S. or S.E.S.  
1d. each extra. For Bosch 3d. each extra. For Pre-focus 6d. each extra.



# THEY STAY BRIGHTER LONGER

## BUST BULBS

Volts	Watts	Amps.	Cap regularly supplied	Prices		
				Clear	Pearl	Opal
* SINGLE FILAMENT HEADLIGHTS—GASFILLED						
24	24	1.0	S.B.C.	s. d. 3 0	s. d. —	s. d. —
24	36	1.5	or S.C.C.	3 0	—	—
*DOUBLE FILAMENT HEADLIGHT—REFLECTOR TYPE— GASFILLED						
24	36 & 24	1.5 & 1	Bosch or S.B.C.	4 6	—	—
INTERIOR LIGHTS—GASFILLED						
12†	10	0.83	B.C. or S.B.C.	2 6	2 6	2 10
12†	12	1.0		2 0	2 0	2 3
24†	12	0.5		2 6	2 6	2 10
24†	15	0.625		2 4	2 4	2 7
24†	20	0.83		2 4	2 4	2 7
12†	10	0.83		2 3	2 3	2 6
12†	12	1.0		1 10	1 10	2 1
24†	12	0.5		2 3	2 3	2 7
24†	15	0.625		2 1	2 1	2 4
24†	20	0.83		2 1	2 1	2 4
INTERIOR LIGHT—VACUUM						
12	12	1.0	B.C. or S.B.C.	1 9	—	—
REAR, WING, & DESTINATION BOARD LIGHT—VACUUM						
12	6	0.5	B.C. or S.B.C.	1 6	—	—

\* See also standard headlight bulbs as specified on page 31 to 33.

† 38 m/m dia. 58 m/m overall length. ‡ 50 m/m dia. 70 m/m overall length.

## BULBS for CYCLE SETS

Volts	Amps.	Cap	Price each	
			s.	d.
6	0.5	S.C.C.	1	0
6.5	0.3	M.C.C.	1	0
8	0.05	M.E.S.	1	0
8	0.45	M.E.S.	1	0
8	0.5	M.E.S.	1	0
10	0.05	M.E.S.	1	0
10	0.4	M.E.S.	1	0
10	0.45	M.E.S.	1	0

NOTE.—May be supplied with clear or satin etched bulbs as desired.



# MOTOR CAR LIGHTING INFORMATION

In the following tabulations are given the names of British, American, and Continental Cars together with particulars of the lamp bulbs used. The list is not necessarily complete, but we should be pleased to supply information on other makes on request.

Make of Car	Voltage of Lighting Set	Headlights		Sidelights		Tail-lights		Stoplights		Dashboard Lights		Interior Lights	
		Watts	Cap	Watts	Cap	Watts	Cap	Watts	Cap	Watts	Cap	Watts	Cap
A.C.	12	36	S.C.C.	6	S.C.C.	6	S.C.C.	24	S.C.C.	6	S.C.C.	6	Festoon S.C.C.
ALVIS Crested Eagle and Silver Crest	12	36	S.C.C.	6	S.C.C.	6	S.C.C.	6	S.C.C.	2.4	M.E.S.	6	S.C.C.
Speed Twenty-Five	12	48	S.C.C.	6	S.C.C.	6	S.C.C.	24	S.C.C.	2.4	M.E.S.	6	S.C.C.
ARMSTRONG-SIDDELEY													
12, 17, & 20 H.P.	12	36	S.C.C.	6	S.C.C.	6	S.C.C.	—	—	6	S.C.C.	6	S.C.C.
12, Special	12	48	S.C.C.	6	S.C.C.	6	S.C.C.	—	—	6	S.C.C.	6	S.C.C.
ARROL" JOHNSTON	12	36	S.B.C.	6	S.B.C.	6	S.B.C.	—	—	6	S.C.C.	6	S.C.C.
AUBURN	6	36/24	A.S.B.C.	3	A.S.C.C.	3	A.S.C.C.	3/18	A.S.B.C.	3	A.S.C.C.	6	S.B.C.
AUSTIN, 7 H.P.	6	18	S.C.C.	3	S.C.C.	3	S.C.C.	—	—	3	S.C.C.	6	A.S.C.C.
" Light 12, 14, and 10 H.P.	12	36	S.C.C.	6	S.C.C.	6	S.C.C.	—	—	2.4	M.E.S.	—	—
" Heavy 12, 16, 18, and 20 H.P.	12	36	S.C.C.	6	S.C.C.	6	S.C.C.	—	—	6	S.C.C.	6	S.B.C.
& Light 12 1/4	12	36	S.C.C.	6	S.C.C.	6	S.C.C.	—	—	6	S.C.C.	6	S.B.C.
BENTLEY, 37.2 and 24.8 H.P.	12	36	S.C.C.	6	S.C.C.	6	S.C.C.	—	—	4	S.C.C.	6	Festoon S.B.C.
15.9 H.P.	12	36	S.B.C.	6	S.B.C.	6	S.B.C.	—	—	4	S.B.C.	4	S.C.C.
B.S.A. Scout 4	6	24	S.C.C.	3	S.C.C.	3	S.C.C.	3	S.C.C.	6	S.C.C.	3	S.C.C.
" Scout 5	12	36	S.C.C.	6	S.C.C.	6	S.C.C.	6	S.C.C.	3	S.C.C.	2.4	S.C.C.



# MOTOR CAR LIGHTING INFORMATION—(continued)

Make of Car	Voltage of Lighting Set	Headlights		Sidelights		Tail-lights		Stoplights		Dashboard Lights		Interior Lights	
		Watts	Cap	Watts	Cap	Watts	Cap	Watts	Cap	Watts	Cap	Watts	Cap
BUICK ..	6	30/30	Prefocus	2.5	M.C.C.	3	A.S.C.C.	3/18	AS.B.C.	2.5	M.C.C.	6	AS.C.C.
CADILLAC ..	6	30/30	Prefocus	2.5	M.C.C.	3	A.S.C.C.	3/18	AS.B.C.	2.5	M.C.C.	6	AS.C.C.
CHEVROLET ..	6	36/24	Prefocus	3	A.S.C.C.	6	A.S.C.C.	—	—	1	M.C.C.	6	AS.C.C.
CHRYSLER '66, '70, and '77	6	18/18	AS.B.C.	3	A.S.C.C.	3/18	AS.B.C.	—	—	3	A.S.C.C.	3	AS.C.C.
Imperial ..	6	24/24	S.B.C.	3	A.S.C.C.	3	A.S.C.C.	—	—	3	A.S.C.C.	3	AS.C.C.
CITROËN ..	12	36	S.C.C.	6	S.C.C.	6	S.C.C.	—	—	6	M.E.S.	6	S.B.C.
CROSSLEY ..	12	36	S.B.C.	6	S.B.C.	6	S.B.C.	—	—	6	S.B.C.	4	S.B.C.
CORD ..	6	3/24	Prefocus	3	A.S.C.C.	3	A.S.C.C.	3/18	AS.B.C.	3	AS.C.C.	6	AS.C.C.
DAIMLER V.26 H.P.	12	48 or 60	S.C.C.	6	S.C.C.	6	S.C.C.	—	—	4	S.C.C.	6	Festoon
Other Models ..	12	36	S.C.C.	6	S.C.C.	6	S.C.C.	—	—	4	S.C.C.	6	Festoon
DELAGE ..	12	36/36	3-pin B.C.	6	Festoon	6	Festoon	—	—	6	Festoon	6	Festoon
DODGE ..	6	24/24	AS.B.C.	3	A.S.C.C.	3	A.S.C.C.	—	—	3	AS.C.C.	3	AS.C.C.
DONNET-ZEDEL ..	12	36	3-pin C.C.	6	A.S.C.C.	6	A.S.C.C.	—	—	6	AS.C.C.	6	Festoon
FIAT ..	12	24/24	Bosch	6	S.C.C.	6	S.C.C.	—	—	6	S.C.C.	—	—
FORD, All except "C" and "Y" Models	6	36/24	AS.B.C.	3	A.S.C.C.	3/18	AS.B.C.	—	—	3	AS.C.C.	3	AS.C.C.
"C" and "Y" Models	6	36/24*	AS.B.C.	3	A.S.C.C.	3/18	AS.B.C.	—	—	3	AS.C.C.	3	AS.C.C.
FRÄZER-NASH ..	12	24	S.B.C.	12	S.B.C.	6	S.B.C.	—	—	6	S.B.C.	—	—
HILLMAN Minx ..	6	36	S.C.C.	3	S.C.C.	3	S.C.C.	—	—	3	M.E.S.	3	S.C.C.
Other Models ..	12	36	S.C.C.	6	S.C.C.	6	S.C.C.	3/18	AS.B.C.	2.4	M.E.S.	18	AS.C.C.
HUDSON ..	12	36/36	AS.B.C.	4	A.S.C.C.	3/18	AS.B.C.	—	—	4	M.C.C.	6	AS.C.C.
HUMBER ..	12	36	S.C.C.	6	S.C.C.	6	S.C.C.	—	—	4	M.C.C.	6	Festoon
JOWETT ..	12	24	S.C.C.	6	S.C.C.	6	S.C.C.	—	—	6	M.E.S.	6	S.C.C.
LAGONDA ..	12	60	S.C.C.	6	S.C.C.	24	S.C.C.	24	S.C.C.	2.4	M.E.S.	6	S.C.C.

\* These are special Reflector Type Headlights.



# MOTOR CAR LIGHTING INFORMATION—(continued)

Make of Car	Voltage of Lighting Set	Headlights		Sidelights		Tail-lights		Stoplights		Dashboard Lights		Interior Lights	
		Watts	Cap	Watts	Cap	Watts	Cap	Watts	Cap	Watts	Cap	Watts	Cap
LANCHESTER..	12	36	S.C.C.	6	S.C.C.	6	S.C.C.	—	—	4	S.C.C.	6	Festoon
LANCIA LAMBDA ..	12	36/24*	Bosch	6	S.C.C.	6	Festoon	—	—	6	Festoon	—	—
LA SALLE ..	6	30/30	Prefocus	2.5	S.C.C.	3	A.S.C.C.	3/18	Special	2.5	M.C.C.	6	A.S.C.C.
MARMON ..	6	24/24	A.S.B.C.	6	A.S.C.C.	6	A.S.C.C.	—	—	3	A.S.C.C.	6	A.S.C.C.
MARQUETTE..	6	18/18	A.S.B.C.	3	A.S.C.C.	3	A.S.C.C.	—	—	3	A.S.C.C.	6	A.S.C.C.
M.G. Sports 1½ and 2 Litre and Magnette N. and KN. ..	12	36	S.C.C.	6	S.C.C.	6	S.C.C.	—	—	4	S.B.C.	6	S.C.C.
" Midget, Magna and Magnette K. ..	12	24	S.C.C.	6	S.C.C.	6	S.C.C.	—	—	4	S.B.C.	6	S.B.C.
" Midgets, M. and C. ..	6	12	S.C.C.	3	S.C.C.	3	S.C.C.	—	—	3	S.C.C.	3	S.B.C.
MINERVA 23 and 32 H.P. ..	12	36	3-pin C.C.	9	A.S.C.C.	6	A.S.C.C.	—	—	6	A.S.C.C.	6	A.S.C.C.
12-18 H.P. ..	12	Special	3-pin C.C.	4	A.S.C.C.	4	A.S.C.C.	—	—	4	A.S.C.C.	6	A.S.C.C.
MORGAN ..	12	36	S.C.C.	6	S.C.C.	6	S.C.C.	—	—	6	S.C.C.	6	S.C.C.
MORRIS 10, 12/4, 14/6, 25/6 ..	12	36	S.C.C.	6	S.C.C.	6	S.C.C.	—	—	6	S.C.C.	6	S.C.C.
Eight, Series II ..	12	36	S.B.C.	6	S.C.C.	3	S.C.C.	—	—	3	S.C.C.	—	—
NASH ..	6	24/24	Prefocus	3	A.S.C.C.	3	A.S.C.C.	3/18	A.S.B.C.	3	A.S.C.C.	6	A.S.B.C.
OPEL ..	6	36/24	Bosch	3	S.C.C.	6	S.C.C.	18	S.C.C.	1	M.C.C.	3	S.C.C.
PACKARD ..	12	36/24	Prefocus	4	S.C.C.	4	A.S.C.C.	18	A.S.C.C.	2.4	M.C.C.	6	A.S.C.C.
RENAULT ..	12	36/36	S.C.C.	6	S.C.C.	6	S.C.C.	—	—	6	S.C.C.	—	—
RILEY ..	12	36	S.C.C.	6	S.C.C.	6	S.C.C.	—	—	6	S.C.C.	6	S.C.C.
ROLLS-ROYCE ..	12	36	S.C.C.	6	S.C.C.	6	S.C.C.	—	—	6	S.C.C.	—	—
Phantom and 20 — 25 H.P. ..	12	48	S.C.C.	4	S.C.C.	4	S.C.C.	—	—	4	S.C.C.	—	—
Silver Ghost ..	12	36	S.B.C.	6	S.B.C.	6	S.B.C.	—	—	6	S.B.C.	—	—
ROVER ..	12	36	S.C.C.	6	S.C.C.	6	S.C.C.	—	—	6	S.C.C.	—	—

\* These are special Reflector Type Headlights.

# MOTOR CAR LIGHTING INFORMATION—(continued)



# MOTOR CAR LIGHTING INFORMATION—(continued)

Make of Car	Voltage of Lighting Set	Headlights		Sidelights		Tail-lights		Stoplights		Dashboard Lights		Interior Lights	
		Watts	Cap	Watts	Cap	Watts	Cap	Watts	Cap	Watts	Cap	Watts	Cap
SINGER, 10 and 12 H.P.	12	36	S.C.C.	6	S.C.C.	6	S.C.C.	—	—	2.4	S.C.C.	6	S.C.C.
Bentley	12	24	S.C.C.	6	S.C.C.	6	S.C.C.	—	—	6	S.C.C.	6	S.C.C.
STANDARD	12	36	S.C.C.	6	S.C.C.	6	S.C.C.	—	—	2.4	M.E.S.	6	S.C.C.
STAR	12	36	S.C.C.	6	S.C.C.	6	S.C.C.	—	—	6	S.C.C.	9	S.B.C.
STUDEBAKER, Dictator	6	30/30	Prefocus	2.5	M.C.C.	6	A.S.C.C.	3/18	A.S.B.C.	2.5	M.C.C.	6	A.S.C.C.
Commander and President	12	36/36	Prefocus	2.4	M.C.C.	6	A.S.C.C.	—	—	2.4	M.C.C.	6	A.S.C.C.
SUNBEAM	12	36	S.C.C.	3	S.C.C.	6	S.C.C.	—	—	6	S.C.C.	6	Festoon
SWIFT, 8 H.P., Cadet...	6	18	S.B.C.	3	S.B.C.	3	S.B.C.	—	—	—	—	—	—
" 10 H.P.	12	24	S.B.C.	6	S.B.C.	6	S.B.C.	—	—	4	S.B.C.	9	S.B.C.
" 14-40 H.P.	12	24	S.B.C.	6	S.B.C.	6	S.B.C.	—	—	4	S.B.C.	9	S.B.C.
TALBOT, BE/10, BP.21	12	36	S.C.C.	6	S.C.C.	6	S.C.C.	6	S.C.C.	2.4	M.E.S.	6	S.C.C.
B.G.110	12	48	S.C.C.	6	S.C.C.	6	S.C.C.	24	S.C.C.	6	S.C.C.	6	S.C.C.
TERRAPLANE	12	36/36	A.S.B.C.	4	A.S.C.C.	4	A.S.C.C.	3/18	A.S.B.C.	4	M.C.C.	18	A.S.C.C.
TRIUMPH	12	36	S.C.C.	6	S.C.C.	6	S.C.C.	—	—	6	S.C.C.	6	S.C.C.
TRON	12	18	S.C.C.	3	S.C.C.	3	S.C.C.	—	—	6	S.C.C.	6	S.C.C.
VAUXHALL	6	36/24*	S.B.C.	6	A.S.C.C.	6	A.S.C.C.	—	—	3	S.C.C.	3	S.B.C.
WILLIS-KNIGHT	6	18	A.S.C.C.	6	S.C.C.	3	S.C.C.	—	—	3	A.S.C.C.	—	—
WOLSELEY	12	36	S.C.C.	6	S.C.C.	6	S.C.C.	—	—	2.4	M.E.S.	6	S.C.C.

\* These are special Reflector Type Headlights.



## BTH HANDLAMP TRANSFORMER

The use of handlamps connected directly to 200/260 volt mains can be highly dangerous and has led to many fatal accidents from electric shock.

The BTH Handlamp Transformer eliminates this risk completely, as the output terminals, to which the flexible lamp lead is connected, are at a potential of 12 volts only.

These Transformers, together with a suitable handlamp, should be used instead of mains-connected lamps in all such places as garages, workshops, tramway pits, boiler houses, breweries, farms, etc., in fact, wherever inspection lamps are normally used, and especially where moisture or damp prevails.

The Transformer is of the air-insulated type and is provided with separate input and output windings, effectively insulated from each other. It is enclosed in a stout metal case, but is not to be regarded as a portable appliance; for this reason lugs are provided for fixing permanently to a wall or other flat surface.

The input winding is connected to an enclosed terminal board. A 3-core cable should be used for the mains connection, the earthed core of which should be brought back through the hole in terminal cover and connected to the earth terminal in accordance with the instructions given with each transformer.

The output winding is provided with a 2-pin plug and socket terminal, complete with 5-amp. fuses of the replaceable cartridge type.

Primary (input) rating: 200/260 volts, 50 cycles.

Secondary (output) rating: 12 volts, 36 watts.

Dimensions:  $8\frac{1}{2}$  in.  $\times$   $3\frac{3}{4}$  in.  $\times$   $3\frac{3}{4}$  in.

Lamp to be used in Handlamp: Mazda 12 volt, 36 watt

Headlight bulb, with S.B.C. Cap.

### PRICES:—

BTH Handlamp Transformer with output plug ..	45/-
Reduction Adaptor for converting B.C. holder in Hand-lamp to S.B.C. .. .. .	1/-



**THEY STAY BRIGHTER LONGER**

## FLASHLIGHT LAMPS

Volts	Amps.	Cap regularly supplied	
2.5	0.2	M.E.S.	Prices on application
3.5	0.3		

## MINERS' CAP AND HANDLAMP BULBS

For use in—			Ratings		Standard Caps	Price each	
			Volts	Amps.		Clear	Pearl
MINES DEPARTMENT—Category 1 (B.S.S. 535).							
Cap Lamp	..	..	2.0	1.0	E.10	1 6a	—
Hand „	..	..	2.5f	1.5	{ E.14 953 }	1 6	1 6
Hand „	..	..	2.5f	1.75	{ E.14 953 }	1 6	1 6
Cap „	..	..	4.0	{ 0.55 & 0.55 }	BA.15d	2 0	2 0
Hand „	..	..	4.0f	0.75	{ E.14 CEAG Peg.(b) }	1 6	1 6
Hand „	..	..	4.0f	1.0	{ E.14 CEAG Peg }	1 6	1 6
MINES DEPARTMENT Category 2							
Cap Lamp	..	..	2.0	0.85	E.10	1 10ac	—
Cap „	..	..	2.0	0.85	E.14	1 6	1 6
Cap „	..	..	2.5	0.5	E.10	1 8	—
Cap „	..	..	2.5	1.0	{ E.10 953 }	1 10e	1 10e
Cap „	..	..	2.5	1.0	{ E.14 953 }	1 8	1 8
Cap „	..	..	2.5	{ 1.0 & 0.75 }	BA.15d	2 6	2 6
Cap „	..	..	2.5	1.25	E.10	1 10	—
Cap „	..	..	4.0	0.65	E.10	1 8a	—

E.14 = E.14/23 + 15 = S.E.S.

953 = S.C.C.

E.10 = E.10/13 = M.E.S.

BA.15d/21 = S.B.C.

(a) May be supplied  $\frac{1}{2}$  externally frosted without extra charge.

(b) With pip. (c) Squat bulb. (e) Round bulb. (f) Krypton filled  
with E.14 or 953 cap only, 1/11 each.



## **BTH LIGHT METER**

**FOR DOMESTIC, INDUSTRIAL AND GENERAL LIGHTING.**

In these days when the importance of good illumination is becoming generally recognised, the possession of a reliable instrument for the more common measurements in connection with lighting is a first necessity to all who are responsible for the design or upkeep of lighting installations.

The BTH Light Meter has been designed as a high quality instrument at the lowest price compatible with good performance. It consists of a micro-ammeter so calibrated as to give direct readings of the illumination falling on the cell face, in terms of foot-candles.

Up to 75 foot-candles may be taken direct, but by the use of the special plate supplied, readings up to 750 foot-candles may be obtained.

The instrument (which weighs only seven ounces) may be carried in the pocket. A special pigskin case is provided with each instrument.

The smallness and compactness of this light-meter, in fact, suggests that it should form part of the equipment of all lighting engineers, contractors, etc., who will find it invaluable, not only for direct measurement of illumination levels but for ascertaining reflection and transmission factors, brightness, etc.

For the majority of illuminants, this instrument may be used for taking direct readings. For sodium lighting, however, it is necessary to *add* one-third to scale reading, and for daylight to *subtract* one-third.

### **PRICE :**

BTH Light Meter—complete with  
special Pigskin case . . . . . **£4 : 17 : 6**



**THEY STAY BRIGHTER LONGER**

## LAMP CAPS

The illustrations are approximately one-third full size, and the dimensions are in millimetres.

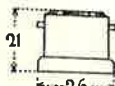
### Bayonet Caps Double Contact (B.C.)



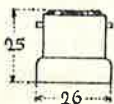
Plan of Caps



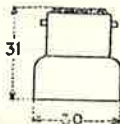
No. B22/21.



No. B22/21 x 26.



No. B22/25 x 26.

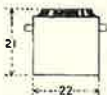


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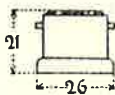
### Centre Contact (C.C.)



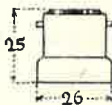
Plan of Caps



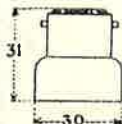
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No. B22s/21 x 26.



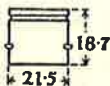
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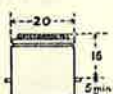
No. B22s/31 x 30.

### 3-pin Centre Contact

### Hollow Tubular



### Bosch



No. BA 20d.

No. BA 20a.

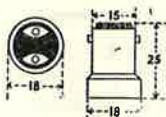


## LAMP CAPS—(Continued)

### Small Bayonet Caps

Double Contact (S.B.C.)

Centre Contact (S.C.C.)



No. B15/25 x 18



No. BA 15d/17



No. BA 15s/17

American S.B.C. and American S.C.C. have shorter pins, and slightly longer barrel.

### Edison Screw Caps

Standard (E.S.)

Miniature (M.E.S.)



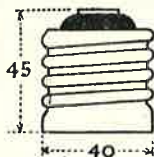
No. E 27/25



No. E 10/13



### Goliath (G.E.S.)



No. E 40/45



### Miners' Hand-Lamp Caps



No. E 14/23 x 15



CEAG



### Festoon Lamp Caps



No. S7/8



No. 8.5/8



No. 9/10 x 12





**THEY STAY BRIGHTER LONGER**

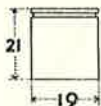
**LAMP CAPS—(Continued)**  
**Caps for Double Ended Tubular Caps**  
**Centre Contacts**



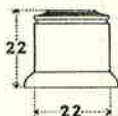
No. S. 15s.



No. S. 19s.



No. S. 22s.



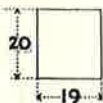
**Clip Contacts**



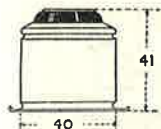
No. S. 15



No. S. 19



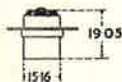
**Pre-focus Caps.**



No. P. 40/41



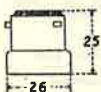
No. P. 28/25



No. P. 15/19



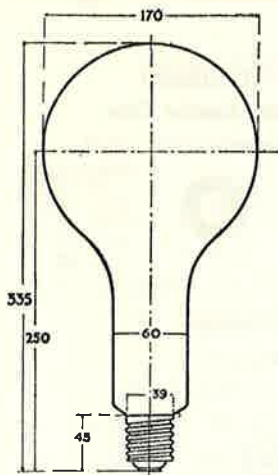
**3-pin Bayonet Cap—No. B 22/25 × 26 (3-pin)**  
**For 80 w. and 125 w. Mercru Lamps.**



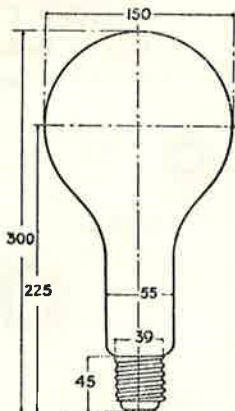


# OUTLINES—MAZDA ELECTRIC LAMPS

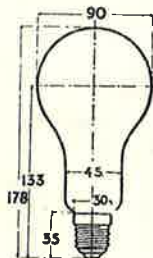
Dimensions in Millimetres



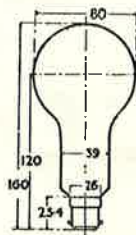
1500 w. G.E.S. Cap.  
G.F. Clear.



1000 & 750 w. G.E.S. Cap.  
G.F. Clear.



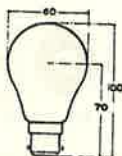
200 w. E.S. Cap.  
G.F. Clear.



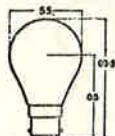
150 w. B.C. Cap.  
G.F. Clear.



40 w. B.C. Cap.  
Pearl, G.F. Clear,  
G.F. Traction.  
Coiled-Coil, Type "O"  
and BTH Type "B"



25 w. B.C. Cap.  
Pearl, G.F. Clear,  
Vac. Clear, and  
Type "O."



15 w. B.C. Cap  
Pearl & Vac. Clear,  
and Type "O."

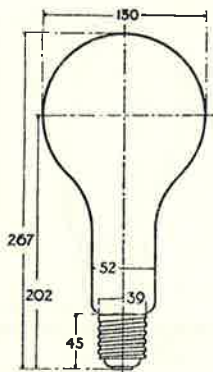
*Illustrations approximately one-sixth full size.*

*All dimensions given above are subject to manufacturing tolerances.*

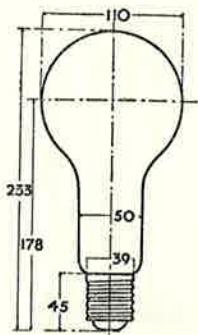


# OUTLINES—MAZDA ELECTRIC LAMPS

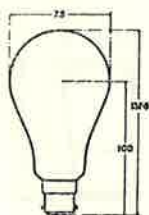
Dimensions in Millimetres



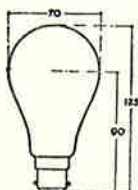
500 w. G.E.S. Cap.  
G.F. Clear.



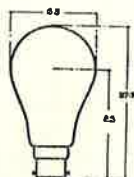
300 w. G.E.S. Cap.  
G.F. Clear.



100 w. B.C. Cap.  
Pearl, G.F. Clear,  
Coiled-Coil, Type "O,"  
and BTH Type "B."



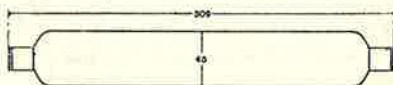
75 w. B.C. Cap.  
Pearl, G.F. Clear,  
Coiled-Coil, and  
Type "O."



60 w. B.C. Cap.  
Pearl, G.F. Clear,  
G.F. Traction,  
Coiled-Coil, Type "O,"  
and BTH Type "B."



40 & 60 w. E.S. Cap. Longlite.



100 w. C.C. Cap. Double Ended Tubular.

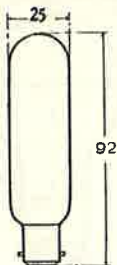
*Illustrations approximately one-sixth full size*

*All dimensions given above are subject to manufacturing tolerances*

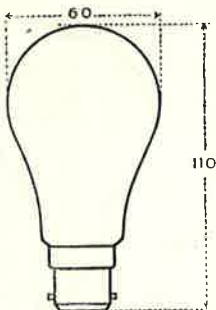


# OUTLINES—MAZDA ELECTRIC LAMPS

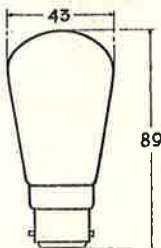
Dimensions in Millimetres



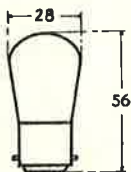
25 w. S.B.C. Cap.  
Single Ended Tubular.



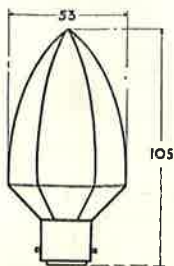
30 & 40 w. B.C. Cap. Vac. Traction.



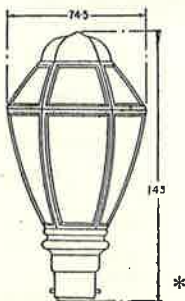
10, 15 & 20 w. B.C. Cap. Sign  
and 25w. BTH Type "B."



15 w. B.C. Cap.  
Pygmy Bulb. Sign.



25 w. B.C. Cap. Gothic.



40 w. B.C. Cap. Newel.

*Illustrations approximately one-third full size*

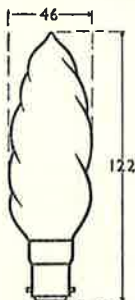
*\* This illustration is approximately one-quarter full size.*

*All dimensions given above are subject to manufacturing tolerances.*

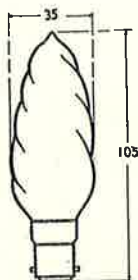


# OUTLINES—MAZDA ELECTRIC LAMPS

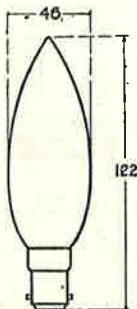
Dimensions in Millimetres



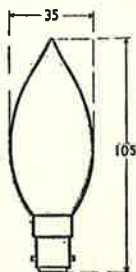
Twisted Candle.  
40 w. S.B.C. Cap.



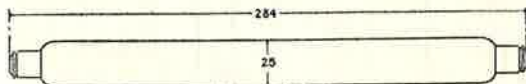
Twisted Candle.  
25 w. S.B.C. Cap.



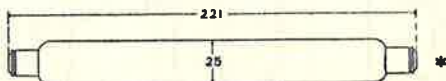
40 w. S.B.C. Cap. Plain Candle.



25 w. S.B.C. Cap. Plain Candle.



30 & 60 w. S.C.C. Cap. Double Ended Tubular.



30 w. S.C.C. Cap. Double Ended Tubular.

*Illustrations approximately one-third full size.*

\* *These illustrations are approximately one-quarter full size.*

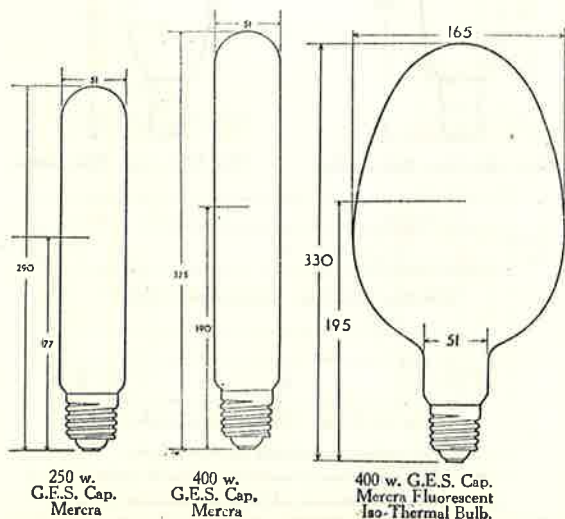
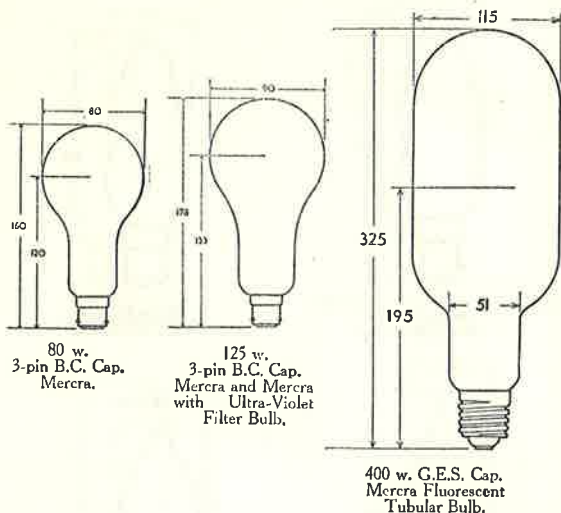
*All dimensions given above are subject to manufacturing tolerances.*

**NOTE—MAZDA LIGHT TUBES:** Dimensioned outlines are given on page 15.



# OUTLINES—MERCRA ELECTRIC LAMPS

Dimensions in Millimetres



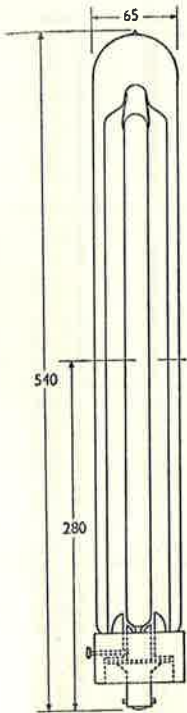
*Illustrations approximately one-sixth full size.*

*All dimensions given above are subject to manufacturing tolerances.*



# OUTLINES—SODRA ELECTRIC LAMPS

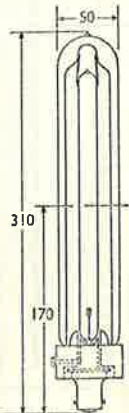
Dimensions in Millimetres



150 w. B.C.  
Ceramic Cap.  
Sodra.



50 w. B.C.  
Ceramic Cap.  
Sodra.



65 w. B.C.  
Ceramic Cap.  
Sodra.



100 w. B.C.  
Ceramic Cap.  
Sodra.

*Illustrations approximately one-sixth full size.*

*All dimensions given above are subject to manufacturing tolerances.*



## CONVERSION TABLE

MILLIMETRES INTO INCHES (to  $\frac{1}{32}$  of an inch).

m/m	Inches	m/m	Inches	m/m	Inches
1	0 1/25	40	1 9/16	80	3 5/32
2	0 1/12	41	1 5/8	81	3 3/16
3	0 1/8	42	1 21/32	82	3 7/32
4	0 5/32	43	1 11/16	83	3 9/32
5	0 3/16	44	1 23/32	84	3 5/16
6	0 1/4	45	1 25/32	85	3 11/32
7	0 9/32	46	1 13/16	86	3 3/8
8	0 5/16	47	1 27/32	87	3 7/16
9	0 11/32	48	1 7/8	88	3 15/32
		49	1 15/16	89	3 1/3
10	0 13/32	50	1 31/32	90	3 17/32
11	0 7/16	51	2	91	3 19/32
12	0 15/32	52	2 1/16	92	3 5/8
13	0 1/2	53	2 3/32	93	3 21/32
14	0 9/16	54	2 1/8	94	3 11/16
15	0 19/32	55	2 5/32	95	3 3/4
16	0 5/8	56	2 7/32	96	3 25/32
17	0 21/32	57	2 1/4	97	3 13/16
18	0 23/32	58	2 9/32	98	3 27/32
19	0 3/4	59	2 5/16	99	3 29/32
20	0 25/32	60	2 3/8	100	3 15/16
21	0 13/16	61	2 13/32	101	3 31/32
22	0 7/8	62	2 7/16	102	4 1/32
23	0 29/32	63	2 15/32	103	4 1/16
24	0 15/16	64	2 17/32	104	4 3/32
25	0 31/32	65	2 9/16	105	4 1/8
26	1 1/32	66	2 19/32	106	4 3/16
27	1 1/16	67	2 5/8	107	4 7/32
28	1 3/32	68	2 11/16	108	4 1/4
29	1 5/32	69	2 23/32	109	4 9/32
30	1 3/16	70	2 3/4	110	4 11/32
31	1 7/32	71	2 25/32	111	4 3/8
32	1 1/4	72	2 27/32	112	4 13/32
33	1 5/16	73	2 7/8	113	4 7/16
34	1 11/32	74	2 29/32	114	4 1/2
35	1 3/8	75	2 15/16	115	4 17/32
36	1 13/32	76	3	116	4 9/16
37	1 15/32	77	3 1/32	117	4 19/32
38	1 1/2	78	3 1/16	118	4 21/32
39	1 17/32	79	3 1/8	119	4 11/16



THEY STAY BRIGHTER LONGER

## DISCOUNT TABLES

		2%	2½%	3%
	d.	£ s. d.	£ s. d.	£ s. d.
Pence	1	—	—	—
	2	—	—	—
	3	—	—	—
	4	—	—	—
	5	—	—	—
	6	—	—	—
	7	—	—	—
	8	—	—	—
	9	—	—	—
	10	—	—	—
	11	—	—	—
Shillings	1	—	—	—
	2	—	—	—
	3	—	—	—
	4	—	—	—
	5	—	—	—
	6	—	—	—
	7	—	—	—
	8	—	—	—
	9	—	—	—
	10	—	—	—
	11	—	—	—
	12	—	—	—
	13	—	—	—
	14	—	—	—
	15	—	—	—
	16	—	—	—
	17	—	—	—
	18	—	—	—
	19	—	—	—
Pounds	£ 1	4½	6	7½
	2	9½	11	14½
	3	14½	16½	21½
	4	19½	21½	28½
	5	24½	26½	35½
	6	29½	31½	42½
	7	34½	36½	49½
	8	39½	41½	56½
	9	44½	46½	63½
	10	49½	51½	70½
	20	99	102	140
	30	148½	151½	210
	40	198	201	280
	50	247½	250½	350
	60	297	300	420
	70	346½	349½	490
	80	396	399	560
	90	445½	448½	630
	100	495	498	700
	200	990	996	1400



## DISCOUNT TABLES

		5%	10%	15%
Pence	d.	£ s. d.	£ s. d.	£ s. d.
	1			$\frac{1}{4}$
	2			$\frac{1}{2}$
	3	$\frac{1}{4}$	$\frac{1}{4}$	$\frac{1}{2}$
	4	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{3}{4}$
	5	$\frac{3}{4}$	$\frac{3}{4}$	$1\frac{1}{4}$
	6	$1\frac{1}{4}$	$1\frac{1}{4}$	$1\frac{1}{2}$
	7	$1\frac{3}{4}$	$1\frac{3}{4}$	$1\frac{3}{4}$
	8	$2\frac{1}{4}$	$2\frac{1}{4}$	$2\frac{1}{4}$
	9	$2\frac{3}{4}$	$2\frac{3}{4}$	$2\frac{3}{4}$
	10	$3\frac{1}{4}$	$3\frac{1}{4}$	$3\frac{1}{4}$
	11	$3\frac{3}{4}$	$3\frac{3}{4}$	$3\frac{3}{4}$
Shillings	s.	£ s. d.	£ s. d.	£ s. d.
	1	$\frac{1}{4}$	$1\frac{1}{4}$	$1\frac{3}{4}$
	2	$\frac{1}{2}$	$2\frac{1}{4}$	$3\frac{1}{4}$
	3	$\frac{3}{4}$	$3\frac{1}{4}$	$5\frac{1}{4}$
	4	$1\frac{1}{4}$	$4\frac{1}{4}$	$7\frac{1}{4}$
	5	$1\frac{3}{4}$	$6\frac{1}{4}$	$9\frac{1}{4}$
	6	$2\frac{1}{4}$	$7\frac{1}{4}$	$10\frac{1}{4}$
	7	$2\frac{3}{4}$	$8\frac{1}{4}$	$11\frac{1}{4}$
	8	$3\frac{1}{4}$	$9\frac{1}{4}$	$12\frac{1}{4}$
	9	$3\frac{3}{4}$	$10\frac{1}{4}$	$13\frac{1}{4}$
	10	$4\frac{1}{4}$	$11\frac{1}{4}$	$14\frac{1}{4}$
	11	$4\frac{3}{4}$	$12\frac{1}{4}$	$15\frac{1}{4}$
	12	$5\frac{1}{4}$	$13\frac{1}{4}$	$16\frac{1}{4}$
	13	$5\frac{3}{4}$	$14\frac{1}{4}$	$17\frac{1}{4}$
	14	$6\frac{1}{4}$	$15\frac{1}{4}$	$18\frac{1}{4}$
	15	$6\frac{3}{4}$	$16\frac{1}{4}$	$19\frac{1}{4}$
	16	$7\frac{1}{4}$	$17\frac{1}{4}$	$20\frac{1}{4}$
	17	$7\frac{3}{4}$	$18\frac{1}{4}$	$21\frac{1}{4}$
	18	$8\frac{1}{4}$	$19\frac{1}{4}$	$22\frac{1}{4}$
	19	$8\frac{3}{4}$	$20\frac{1}{4}$	$23\frac{1}{4}$
Pounds	£	£ s. d.	£ s. d.	£ s. d.
	1	1 0 0	2 0 0	3 0 0
	2	2 0 0	4 0 0	6 0 0
	3	3 0 0	6 0 0	9 0 0
	4	4 0 0	8 0 0	12 0 0
	5	5 0 0	10 0 0	15 0 0
	6	6 0 0	12 0 0	18 0 0
	7	7 0 0	14 0 0	21 0 0
	8	8 0 0	16 0 0	24 0 0
	9	9 0 0	18 0 0	27 0 0
	10	10 0 0	20 0 0	30 0 0
	20	1 0 0 0	2 0 0 0	3 0 0 0
	30	1 10 0 0	3 0 0 0	4 10 0 0
	40	2 0 0 0	4 0 0 0	6 0 0 0
	50	2 10 0 0	5 0 0 0	7 10 0 0
	60	3 0 0 0	6 0 0 0	9 0 0 0
	70	3 10 0 0	7 0 0 0	10 10 0 0
	80	4 0 0 0	8 0 0 0	12 0 0 0
	90	4 10 0 0	9 0 0 0	13 10 0 0
	100	5 0 0 0	10 0 0 0	15 0 0 0
	200	10 0 0 0	20 0 0 0	30 0 0 0



## DISCOUNT TABLES

		17½%	20%	21%
Pence	d.	£ s. d.	£ s. d.	£ s. d.
	1	$\frac{1}{4}$	$\frac{1}{4}$	$\frac{1}{4}$
	2	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$
	3	$\frac{3}{4}$	$\frac{3}{4}$	$\frac{3}{4}$
	4	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$
	5	1	1	1
	6	1	1½	1½
	7	1½	1½	1½
	8	1½	1½	1½
	9	1½	1½	2
	10	1½	2	2
	11	2	2½	2½
Shillings	s.	£ s. d.	£ s. d.	£ s. d.
	1	2	2½	2½
	2	4½	5	5
	3	6½	7½	7½
	4	8½	9½	10
	5	10½	11	11
	6	12	12½	13½
	7	14	14½	15½
	8	16	16½	17½
	9	18	18½	19½
	10	20	20½	21½
	11	22	22½	23½
	12	24	24½	25½
	13	26	26½	27½
	14	28	28½	29½
	15	30	30½	31½
	16	32	32½	33½
	17	34	34½	35½
	18	36	36½	37½
	19	38	38½	39½
Pounds	£	£ s. d.	£ s. d.	£ s. d.
	1	3 6	4 0	4 2½
	2	7 0	8 0	8 4½
	3	10 6	12 0	12 7½
	4	14 0	16 0	16 9½
	5	17 6	19 0	19 0
	6	21 0	22 0	22 2½
	7	24 6	25 0	25 4½
	8	28 0	28 0	28 7½
	9	31 6	31 0	31 9½
	10	35 0	34 0	34 0
	20	70 0	68 0	68 0
	30	105 0	102 0	102 0
	40	140 0	136 0	136 0
	50	175 0	170 0	170 0
	60	210 0	204 0	204 0
	70	245 0	238 0	238 0
	80	280 0	272 0	272 0
	90	315 0	306 0	306 0
	100	350 0	340 0	340 0
	200	700 0	680 0	680 0



## DISCOUNT TABLES

		22%	22½%	23%
		£ s. d.	£ s. d.	£ s. d.
Pence	d. 1			
	2			
	3			
	4			
	5	1	1	1
	6	1½	1½	1½
	7	1½	1½	1½
	8	1½	1½	1½
	9	2	2	2
	10	2½	2½	2½
	11	2½	2½	2½
Shillings	s. 1	2½	2½	2½
	2	5½	5½	5½
	3	8	8	8½
	4	10½	10½	11
	5	1 1½	1 ½	1 ½
	6	1 3½	1 4½	1 4½
	7	1 6½	1 7	1 7½
	8	1 9	1 9½	1 10
	9	1 11½	2 0½	2 0½
	10	2 2½	2 3	2 3½
	11	2 5½	2 5½	2 6½
	12	2 7½	2 8½	2 9
	13	2 10½	2 11	2 11
	14	3 1	3 1½	3 2½
	15	3 3½	3 4½	3 5½
	16	3 6½	3 7½	3 8½
	17	3 9	3 10	3 11
	18	3 11½	4 0½	4 1½
	19	4 2½	4 3½	4 4½
Pounds	£ 1	4 4½	4 6	4 7½
	2	8 9½	9 0	9 2½
	3	13 2½	13 6	13 9½
	4	17 7½	18 0	18 4½
	5	1 2 0	1 2 6	1 3 0
	6	1 6 4½	1 7 0	1 7 7½
	7	1 10 9½	1 11 6	1 12 2½
	8	1 15 2½	1 16 0	1 16 9½
	9	1 19 7½	2 0 6	2 1 4½
	10	2 4 0	2 5 0	2 6 0
	20	4 8 0	4 10 0	4 12 0
	30	6 12 0	6 15 0	6 18 0
	40	8 16 9	9 0 0	9 4 0
	50	11 0 0	11 5 0	11 10 0
	60	13 4 0	13 10 0	13 16 0
	70	15 8 0	15 15 0	16 2 9
	80	17 12 0	18 0 0	18 8 0
	90	19 16 0	20 5 0	20 14 0
	100	22 0 0	22 10 0	23 0 0
	200	44 0 0	45 0 0	46 0 0



THEY STAY BRIGHTER LONGER

## DISCOUNT TABLES

		24%	25%	26%
Pence	d.	£ s. d.	£ s. d.	£ s. d.
	1	$\frac{1}{4}$	$\frac{1}{4}$	$\frac{1}{4}$
	2	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$
	3	$\frac{3}{4}$	$\frac{3}{4}$	$\frac{3}{4}$
	4	1	1	1
	5	$1\frac{1}{4}$	$1\frac{1}{4}$	$1\frac{1}{4}$
	6	$1\frac{1}{2}$	$1\frac{1}{2}$	$1\frac{1}{2}$
	7	$1\frac{3}{4}$	$1\frac{3}{4}$	$1\frac{3}{4}$
	8	2	2	2
	9	$2\frac{1}{4}$	$2\frac{1}{4}$	$2\frac{1}{4}$
	10	$2\frac{1}{2}$	$2\frac{1}{2}$	$2\frac{1}{2}$
	11	$2\frac{3}{4}$	$2\frac{3}{4}$	$2\frac{3}{4}$
Shillings	s.	£ s. d.	£ s. d.	£ s. d.
	1	3	3	3
	2	$5\frac{1}{2}$	$6\frac{1}{2}$	$6\frac{1}{2}$
	3	$8\frac{1}{2}$	$9\frac{1}{2}$	$9\frac{1}{2}$
	4	$11\frac{1}{2}$	1 0	1 0
	5	1 2	1 3	1 3
	6	$1\frac{1}{2}$	1 6	$1\frac{1}{2}$
	7	$1\frac{1}{2}$	1 9	$1\frac{1}{2}$
	8	1 11	2 0	2 1
	9	2 2	2 3	2 4
	10	2 4	2 6	2 7
	11	2 7	2 9	$2\frac{1}{2}$
	12	$2\frac{1}{2}$	3 0	$2\frac{1}{2}$
	13	3 1	3 3	3 4
	14	3 4	3 6	3 7
	15	3 7	3 9	$3\frac{1}{2}$
	16	$3\frac{1}{2}$	4 0	4 2
	17	4 1	4 3	4 5
	18	4 3	4 6	$4\frac{1}{2}$
	19	4 6	4 9	4 11
Pounds	£	£ s. d.	£ s. d.	£ s. d.
	1	4 9	5 0	5 2
	2	9 7	10 0	10 4
	3	14 4	15 0	15 7
	4	19 2	1 0	1 9
	5	1 4 0	1 5 0	1 6 0
	6	1 8 9	1 10 0	1 11 2
	7	1 13 7	1 15 0	1 16 4
	8	1 18 4	2 0 0	2 1 7
	9	2 3 2	2 5 0	2 6 9
	10	2 8 0	2 10 0	2 12 0
	20	4 16 0	5 0 0	5 4 0
	30	7 4 0	7 10 0	7 16 0
	40	9 12 0	10 0 0	10 8 0
	50	12 0 0	12 10 0	13 0 0
	60	14 8 0	15 0 0	15 12 0
	70	16 16 0	17 10 0	18 4 0
	80	19 4 0	20 0 0	20 16 0
	90	21 12 0	22 10 0	23 8 0
	100	24 0 0	25 0 0	26 0 0
	200	48 0 0	50 0 0	52 0 0



## DISCOUNT TABLES

		26½%	27%	27½%
Pence	d.	£ s. d.	£ s. d.	£ s. d.
	1			
	2			
	3			
	4			
	5	1	1	1
	6	1½	1½	1½
	7	1½	1½	1½
	8	2	2½	2½
	9	2½	2½	2½
	10	2½	2½	2½
	11	2½	3	3
Shillings	s.	£ s. d.	£ s. d.	£ s. d.
	1	2	3½	3½
	2	6½	6½	6½
	3	9½	9½	10
	4	10½	11	11½
	5	11	11½	12
	6	11½	12	12½
	7	12	12½	13
	8	12½	13	13½
	9	13	13½	14
	10	13½	14	14½
	11	14	14½	15
	12	14½	15	15½
	13	15	15½	16
	14	15½	16	16½
	15	16	16½	17
	16	16½	17	17½
	17	17	17½	18
	18	17½	18	18½
	19	18	18½	19
Pounds	£	£ s. d.	£ s. d.	£ s. d.
	1	5 3½	5 4½	5 6
	2	10 7½	10 9½	11 0
	3	15 10½	16 2½	16 6
	4	1 1 2½	1 1 7½	1 2 0
	5	1 6 6	1 7 0	1 7 6
	6	1 11 9½	1 12 4½	1 13 0
	7	1 17 1½	1 17 9½	1 18 6
	8	2 2 5	2 3 2½	2 4 0
	9	2 7 8½	2 8 7½	2 9 6
	10	2 13 0	2 14 0	2 15 0
	20	5 6 0	5 8 0	5 10 0
	30	7 19 0	8 2 0	8 5 0
	40	10 12 0	10 16 0	11 0 0
	50	13 5 0	13 10 0	13 15 0
	60	15 18 0	16 4 0	16 10 0
	70	18 11 0	18 18 0	19 5 0
	80	21 4 0	21 12 0	22 0 0
	90	23 17 0	24 6 0	24 15 0
	100	26 10 0	27 0 0	27 10 0
	200	53 0 0	54 0 0	55 0 0



THEY STAY BRIGHTER LONGER

## DISCOUNT TABLES

		28%	29%	29½%
Pence	d.	£ s. d.	£ s. d.	£ s. d.
	1			
	2			
	3			
	4	1½	1½	1½
	5	1½	1½	1½
	6	1½	1½	1½
	7	2	2	2
	8	2½	2½	2½
	9	2½	2½	2½
	10	2½	3	3
	11	3	3½	3½
Shillings	s.	£ s. d.	£ s. d.	£ s. d.
	1	3½	3½	3½
	2	6½	7	7
	3	10	10½	10½
	4	1 1½	1 2	1 2
	5	1 4½	1 5½	1 5½
	6	1 8½	1 9	1 9½
	7	1 11½	2 0½	2 0½
	8	2 3	2 3½	2 4½
	9	2 6½	2 7½	2 8
	10	2 9½	2 10½	2 11½
	11	3 1	3 2½	3 3
	12	3 4½	3 5½	3 6½
	13	3 7½	3 9	3 10
	14	3 11	4 0½	4 1½
	15	4 2½	4 4½	4 5
	16	4 5½	4 7½	4 8½
	17	4 9	4 11½	5 0½
	18	5 0½	4 2½	5 3½
	19	5 3½	5 6	5 7½
Pounds	£	£ s. d.	£ s. d.	£ s. d.
	1	5 7½	5 9½	5 10½
	2	11 2½	11 7½	11 9½
	3	16 9½	17 4½	17 8½
	4	1 2 4½	1 3 2½	1 3 7½
	5	1 8 0	1 9 0	1 9 6
	6	1 13 7½	1 14 9½	1 15 4½
	7	1 19 2½	2 0 7½	2 1 3½
	8	2 4 9½	2 6 4½	2 7 2½
	9	2 10 4½	2 12 2½	2 13 1½
	10	2 16 0	2 18 0	2 19 0
	20	5 12 0	5 16 0	5 18 0
	30	8 8 0	8 14 0	8 17 0
	40	11 4 0	11 12 0	11 18 0
	50	14 0 0	14 10 0	14 15 0
	60	16 16 0	17 8 0	17 14 0
	70	19 12 0	20 6 0	20 13 0
	80	22 8 0	23 4 0	23 12 0
	90	24 4 0	26 2 0	26 11 0
	100	28 0 0	29 0 0	29 10 0
	200	56 0 0	58 0 0	59 0 0



## DISCOUNT TABLES

		30%	31½%	32%
Pence	d.	£ s. d.	£ s. d.	£ s. d.
	1			
	2			
	3			
	4			
	5			
	6			
	7			
	8			
	9			
	10			
	11			
Shillings	s.	£ s. d.	£ s. d.	£ s. d.
	1			
	2			
	3			
	4			
	5			
	6			
	7			
	8			
	9			
	10			
	11			
	12			
	13			
	14			
	15			
	16			
	17			
	18			
	19			
Pounds	£	£ s. d.	£ s. d.	£ s. d.
	1			
	2			
	3			
	4			
	5			
	6			
	7			
	8			
	9			
	10			
	20			
	30			
	40			
	50			
	60			
	70			
	80			
	90			
	100			
	200			



# DISCOUNT TABLES

		33½%	34½%	35%
Pence	d.	£ s. d.	£ s. d.	£ s. d.
	1			
	2			
	3	1	1	1
	4	1½	1½	1½
	5	1¾	1¾	1¾
	6	2	2	2
	7	2½	2½	2½
	8	2¾	2¾	2¾
	9	3	3½	3½
	10	3½	3½	3½
	11	3½	3½	3½
Shillings	s.	£ s. d.	£ s. d.	£ s. d.
	1	4	4½	4½
	2	8	8½	8½
	3	1 0	1 0½	1 0½
	4	1 1	1 1½	1 1½
	5	1 1	1 1½	1 1½
	6	1 2	1 2½	1 2½
	7	2 0	2 0½	2 0½
	8	2 4	2 4½	2 4½
	9	2 8	2 8½	2 8½
	10	3 0	3 1½	3 1½
	11	3 4	3 5½	3 6
	12	3 8	3 9½	3 10½
	13	4 0	4 1½	4 2½
	14	4 4	4 5½	4 6½
	15	4 8	4 9½	4 10½
	16	5 0	5 2	5 3
	17	5 4	5 6	5 7½
	18	5 8	5 10½	5 11½
	19	6 0	6 2½	6 3½
Pounds	£	£ s. d.	£ s. d.	£ s. d.
	1	6 8	6 10½	7 0
	2	13 4	13 9½	14 0
	3	1 0 0	1 0 8½	1 1 0
	4	1 6 8	1 7 7½	1 8 0
	5	1 13 4	1 14 6	1 15 0
	6	2 0 0	2 1 4½	2 2 0
	7	2 6 8	2 8 3½	2 9 0
	8	2 13 4	2 15 2½	2 16 0
	9	3 0 0	3 2 1½	3 3 0
	10	3 6 8	3 9 0	3 10 0
	20	6 13 4	6 18 0	7 0 0
	30	10 0 0	10 7 0	10 10 0
	40	13 6 8	13 16 9	14 0 0
	50	16 13 4	17 5 0	17 10 0
	60	20 0 0	20 14 0	21 0 0
	70	23 6 8	24 3 0	24 10 0
	80	26 13 4	27 12 0	28 0 0
	90	30 0 0	31 1 0	31 10 0
	100	33 6 8	34 10 0	35 0 0
	200	66 13 4	69 0 0	70 0 0



## DISCOUNT TABLES

		35½%	36%	37%
Pence	d.	£ s. d.	£ s. d.	£ s. d.
	1			
	2			
	3			
	4			
	5			
	6			
	7			
	8			
	9			
	10			
	11			
Shillings	s.	£ s. d.	£ s. d.	£ s. d.
	1			
	2			
	3			
	4			
	5			
	6			
	7			
	8			
	9			
	10			
	11			
	12			
	13			
	14			
	15			
	16			
	17			
	18			
	19			
Pounds	£	£ s. d.	£ s. d.	£ s. d.
	1			
	2			
	3			
	4			
	5			
	6			
	7			
	8			
	9			
	10			
	20			
	30			
	40			
	50			
	60			
	70			
	80			
	90			
	100			
	200			



## DISCOUNT TABLES

		38%	40%	42½%
Pence	d.	£ s. d.	£ s. d.	£ s. d.
	1			
	2			
	3	1½	1½	1½
	4	1½	1½	1½
	5	2	2	2½
	6	2½	2½	2½
	7	2½	2½	3
	8	3	3½	3½
	9	3½	3½	3½
	10	3½	4	4½
	11	4½	4½	4½
Shillings	s.	£ s. d.	£ s. d.	£ s. d.
	1	4½	4½	5
	2	9½	9½	10½
	3	1 1½	1 2½	1 3½
	4	1 6½	1 7½	1 8½
	5	1 10½	2 0	2 1½
	6	2 3½	2 4½	2 6½
	7	2 8	2 9½	2 11½
	8	3 0½	3 2½	3 4½
	9	3 5	3 7½	3 10
	10	3 9½	4 0	4 3
	11	4 2½	4 4½	4 8
	12	4 6½	4 8½	5 1½
	13	4 11½	5 2½	5 6½
	14	5 3½	5 7½	5 11½
	15	5 8½	6 0	6 4½
	16	6 1	6 4½	6 9½
	17	6 5½	6 9½	7 2½
	18	6 10	7 2½	7 7½
	19	7 2½	7 7½	8 1
Pounds	£	£ s. d.	£ s. d.	£ s. d.
	1	7 7½	8 0	8 6
	2	15 2½	16 0	17 0
	3	1 2 9½	1 4 0	1 5 6
	4	1 10 5	1 12 0	1 14 0
	5	1 18 0	2 0 0	2 2 6
	6	2 5 7½	2 8 0	2 11 0
	7	2 13 2½	2 16 0	2 19 6
	8	3 0 8½	3 4 0	3 8 0
	9	3 8 5	3 12 0	3 16 0
	10	3 16 0	4 0 0	4 5 0
	20	7 12 0	8 0 0	8 10 0
	30	11 8 0	12 0 0	12 15 0
	40	15 4 0	16 0 0	17 0 0
	50	19 0 0	20 0 0	21 5 0
	60	22 16 0	24 0 0	25 10 0
	70	26 12 0	28 0 0	29 15 0
	80	30 8 0	32 0 0	34 0 0
	90	34 4 0	36 0 0	38 5 0
	100	38 0 0	40 0 0	42 10 0
	200	76 0 0	80 0 0	85 0 0



## DISCOUNT TABLES

		50%		
		£	s.	d.
Pence	d.			
	1			$\frac{1}{2}$
	2			1
	3			$1\frac{1}{2}$
	4			2
	5			$2\frac{1}{2}$
	6			3
	7			$3\frac{1}{2}$
	8			4
	9			$4\frac{1}{2}$
	10			5
	11			$5\frac{1}{2}$
Shillings	s.			
	1			6
	2	1		0
	3	1		6
	4	2		0
	5	2		6
	6	3		0
	7	3		6
	8	4		0
	9	4		6
	10	5		0
	11	5		6
	12	6		0
	13	6		6
	14	7		0
	15	7		6
	16	8		0
	17	8		6
	18	9		0
	19	9		6
Pounds	£			
	1	10		0
	2	1	0	0
	3	1	10	0
	4	2	0	0
	5	2	10	0
	6	3	0	0
	7	3	10	0
	8	4	0	0
	9	4	10	0
	10	5	0	0
	20	10	0	0
	30	15	0	0
	40	20	0	0
	50	25	0	0
	60	30	0	0
	70	35	0	0
	80	40	0	0
	90	45	0	0
	100	50	0	0
	200	100	0	0

The foregoing discount tables have been compiled for the convenience not only of lamp re-sellers, but of the electrical trade generally, for which reason all the discount percentages commonly used are included.

In order to find the total discount on an amount such as £163 16s. 11d., it is necessary to add together the discounts on the following separate amounts :

£100  
£60  
£3  
16/-  
11d.

These tables have been very carefully checked and it is believed that they are entirely accurate. It is not, however, possible to guarantee the correctness of every figure.



# PATENT NOTICE

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## MAZDA LAMPS

Mazda Lamps are made in England by The British Thomson-Houston Co., Ltd., under one or more of the following British Patents :—

212938	247923
223204	250974
226215	272934
226455	289478
228189	298351
228907	352063
231449	425653

and others.

## MERCRA LAMPS

Mercra Lamps are manufactured in England by The British Thomson-Houston Co., Ltd., under one or more of the following British Patents :—

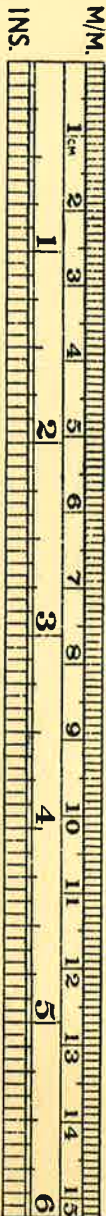
228907	401846
344497	410787
384067	422364
391971	434720
397162	467432

and others.

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**THE**  
**BRITISH THOMSON-HOUSTON**  
**CO., LTD.**

Electrical  
Engineers  
*and*  
Manufacturers



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<b>COVENTRY</b>	<b>BIRMINGHAM</b>
<b>CHESTERFIELD</b>	<b>SHEFFIELD</b>