

THORN EMI Auto Lamps



■ THORN EMI Lamps and Components

THORN EMI

Lamps and Components

THORN EMI Lamps and Components Limited are the leading British supplier of automobile lamps to the U.K. truck and car industry. The company also supplies automobile lamps to the European manufacturers.

The international position of the company is supported by a number of associated overseas companies.

Highly automated lamp manufacturing equipment produces an extensive range of auto lamps to high standards of design and quality.

Lamp manufacture is backed up by extensive research and development facilities and the company's policy of continuous development is actively demonstrated by the number of new lamp types produced, e.g. glass halogen lamps, krypton filled lamps. Wedge base lamps were developed and patented by THORN EMI and are now used all the world over and their use is being extended by incorporating them in integral holders.

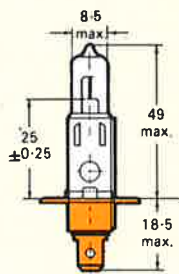
Halogen lamps are now the predominant light source for car headlamps throughout Europe and the THORN EMI lamp, with its exclusive frame mount, ensures long life under the most arduous conditions.

The design and engineering laboratories are also active in other wide-ranging aspects of automobile lamp design and, as an instance, investigation over the last few years into vehicle and lamp vibration has enabled THORN EMI to make a major contribution to the current European study of this subject. The company is represented on the principal European standardising bodies drafting regulations concerning vehicle lighting. All THORN EMI lamps, where applicable, are made to conform to the European Standard Regulation 37, and are appropriately marked.

The contents of this catalogue are representative of the THORN EMI automobile lamp range. Enquiries for lamps other than those listed are welcomed and the company is ready to discuss development and quantity manufacture of lamps to meet specific requirements.

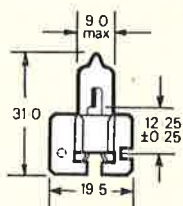
THORN EMI is constantly developing and improving its products. All descriptions, illustrations, drawings and specifications in this publication present only general particulars and shall not form part of any contract. The right is reserved to change specifications without prior notification or public announcement. The majority of the products described herein are manufactured in the United Kingdom, products not so manufactured will bear an appropriate indication. All goods supplied by the Company are supplied subject to the Company's General Conditions of Sale, a copy of which is available on request.

Tungsten halogen lamps



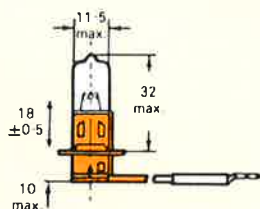
H1

Lamp Number	volts	watts	Cap	ECE Number
448	12	55	P14.5s	H1
466	24	70	P14.5s	H1



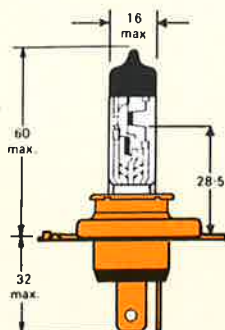
H2

479	12	55	X511	H2
482	24	70	X511	H2



H3

453	12	55	PK22s	H3
460	24	70	PK22s	H3

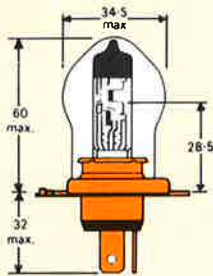


H4

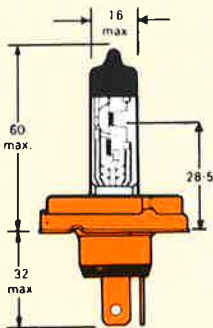
472	12	55/60	P43t	H4
475	24	70/75	P43t	H4

Tungsten halogen lamps

H4 Yellow

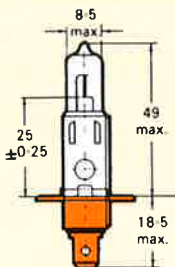


Lamp Number	volts	watts	Cap	ECE Number
476	12	55/60	P43t	H4 Yellow
478	24	70/75	P43t	H4 Yellow

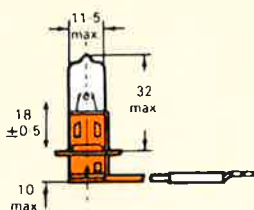


2983	12	55/60	P45t	—
2984	24	70/75	P45t	—

Halogen rally lamps

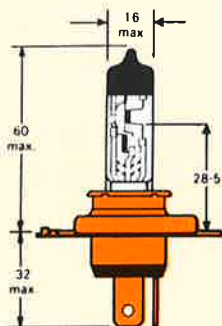


Lamp Number	volts	watts	Cap
485	12	100	P14.5s

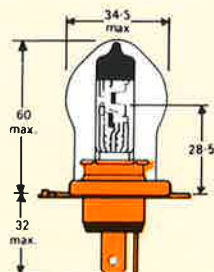


486	12	100	PK22s
-----	----	-----	-------

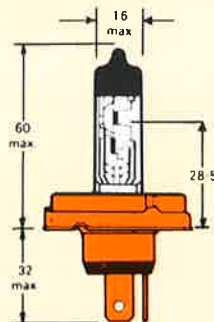
Halogen rally lamps cont'd



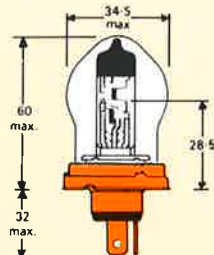
Lamp Number	volts	watts	Cap	ECE Number
2970	12	100/80		P43t



2971	12	100/80	P43t Yellow
------	----	--------	-------------

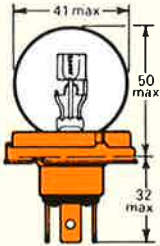


2972	12	100/80	P45t
------	----	--------	------

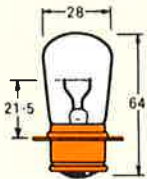


2973	12	100/80	P45t Yellow
------	----	--------	-------------

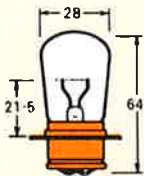
European and ordinary headlamps



Lamp Number	volts	watts	Cap	ECE Number
410	12	45/40	P45t	R2
429	24	55/50	P45t	R2

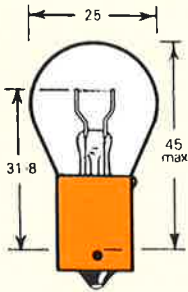


323	12	48	P36s	F1
-----	----	----	------	----



330	24	44	P36d	F1
-----	----	----	------	----

Flasher, stop and stop/tail lamps

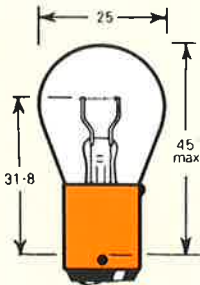


Stop and flasher

Lamp Number	volts	watts	Cap	ECE Number
382	12	21	BA15s	P25-1
241	24	21	BA15s	P25-1

Heavy duty

290	24	21	BA15s	P25-1
-----	----	----	-------	-------

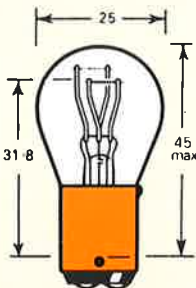


335	12	21	BA15d	P25-1
-----	----	----	-------	-------

346	24	21	BA15d	P25-1
-----	----	----	-------	-------

Heavy duty

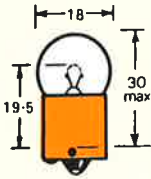
291	24	21	BA15d	P25-1
-----	----	----	-------	-------



Stop/tail

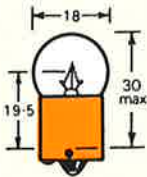
380	12	5/21	BAY15d	P25-2
334	24	6/24	BAY15d	—

Side and tail lamps



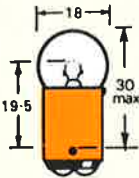
R19

Lamp Number	volts	watts	Cap	ECE Number
207	12	5	BA15s	R19/5
245	12	10	BA15s	R19/10
246	24	10	BA15s	R19/10
149	24	5	BA15s	R19/5

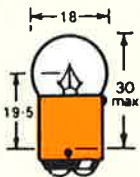


Heavy duty

248	24	5	BA15s	R19/5
-----	----	---	-------	-------



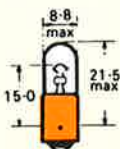
209	12	5	BA15d	R19/5
-----	----	---	-------	-------



150	24	5	BA15d	R19/5
-----	----	---	-------	-------

Heavy duty

247	24	5	BA15d	R19/5
-----	----	---	-------	-------

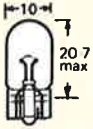


T8

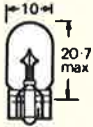
233	12	4	BA9s	T8/4
249	24	4	BA9s	T8/4

Wedge base lamps

T10



Lamp Number	volts	watts	Cap	ECE Number
501	12	5	W2.1×9.5d	W10/5

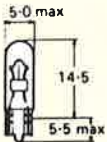


507	24	5	W2.1×9.5d	W10/5
504	12	3	W2.1×9.5d	W10/3
505	24	3	W2.1×9.5d	W10/3
297	12	2	W2.1×9.5d	W10/2
298	24	2	W2.1×9.5d	W10/2

T5

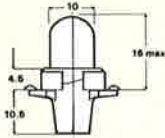
286	12	1.2	W2×4.6d	W5/1.2
508	24	1.2	W2×4.6d	W5/1.2
924	12	2	W2×4.6d	—

T5 Coloured



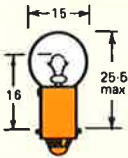
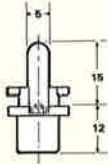
Lamp Number	volts	watts	Cap	Colour
1505	12	1.2	W2×4.6d	Blue
1506	12	1.2	W2×4.6d	Green
1507	12	1.2	W2×4.6d	Red
1508	12	1.2	W2×4.6d	Amber

Panel and indicator lamps



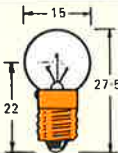
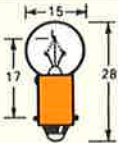
Integral lamp and holder

Lamp Number	volts	watts	Cap
935	12	3	—
933	12	2	—
931	12	1.2	—
932	24	1.2	—

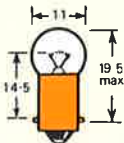


R15

989	12	5	BA9s
227	24	5	BA9s
651	24	2.8	BA9s

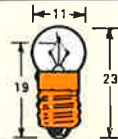
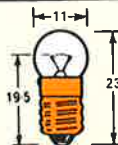


993	24	2.8	E10/13
-----	----	-----	--------



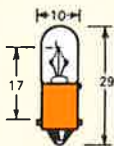
R11

643	12	2.2	BA9s
865	24	2.8	BA9s
987	12	2.2	E10/13



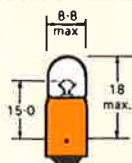
650	24	2.8	E10/13
-----	----	-----	--------

Panel and indicator lamps



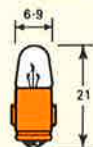
T10

Lamp Number	volts	watts	Cap
867	24	2.8	BA9s
695	24	2.8	E10/13



T8

288	12	2	BA9s
289	24	2	BA9s



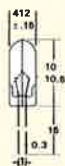
T7

281	12	2	BA7s
-----	----	---	------



Sub miniature

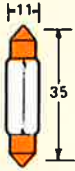
280	12	1.5	E5/8
285	24	1.5	E5/8



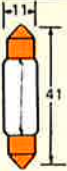
Micro miniature

Lamp Number	volts	amps	Ret
370570	12	.065	T1¼

Festoon lamps



Lamp Number	volts	watts	Cap	ECE Number
239	12	5	S8.5	C11
242	24	5	S8.5	C11

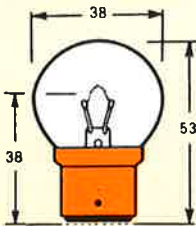


260	24	5	S8.5	—
265	12	10	S8.5	—

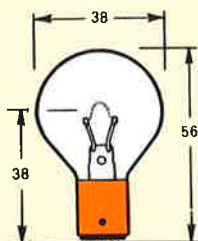


270	12	18	S8.5	—
273	12	21	S8.5	C15

Bus lamps

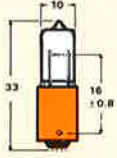


Lamp Number	volts	watts	Cap	Finish
804	12	12	B22d	Pearl
809	12	24	B22d	Pearl
816	24	12	B22d	Pearl
821	24	20	B22d	Pearl



805	12	12	BA15d	Pearl
810	12	24	BA15d	Pearl
817	24	12	BA15d	Pearl
822	24	20	BA15d	Pearl

Auto glass halogen



Lamp Number	volts	watts	Cap
GH 120	12	5	BA9s
GH 67	12	10	BA9s
GH 33	12	20	BA9s

Index and cross-references

Abbreviations

Hd	Head	F	Festoon
Sd/T	Side and Tail	IP	Instrumental Panel
St/T	Stop/Tail	WB	Wedge Base
St/F	Stop and Flasher	TH	Tungsten halogen
Pf	Pre-focus	Aux	Auxiliary
		Rev	Reversing

Reference Numbers

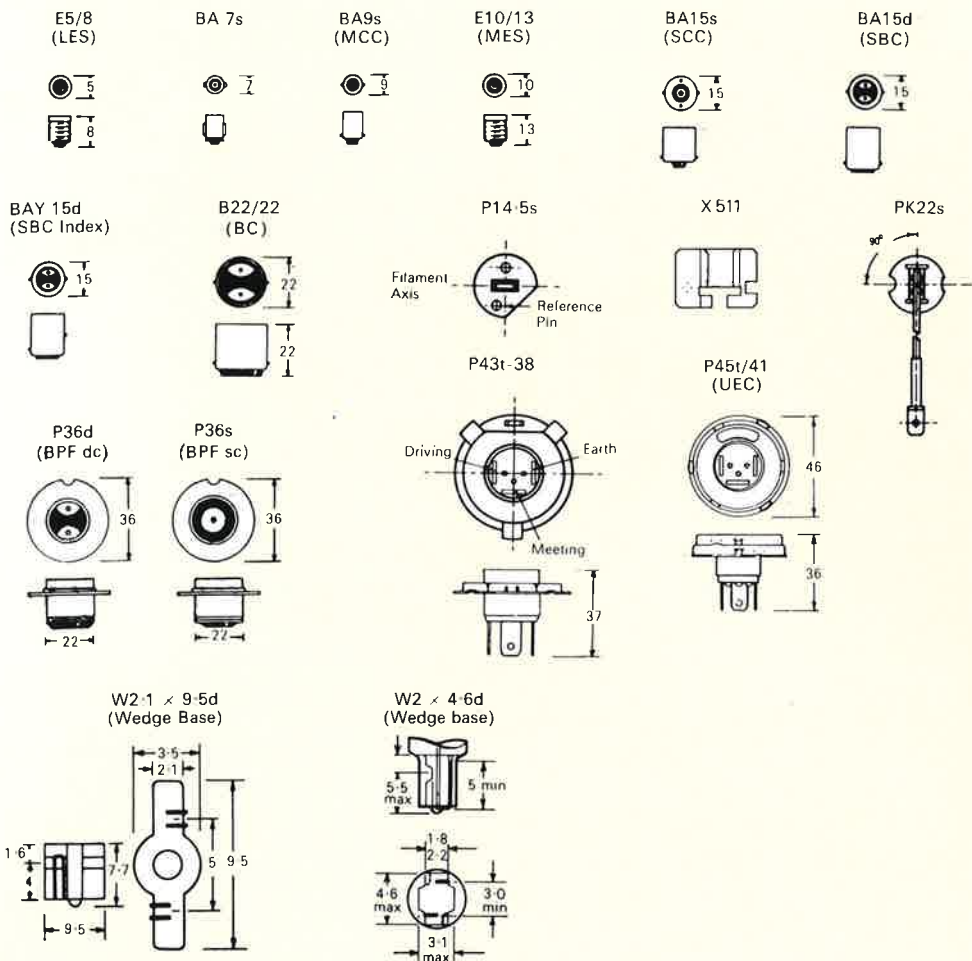
The THORN EMI vehicle lamp reference is shown in the form of the UK Trade reference number. Thus a lamp number 382 defines the lamp completely in dimension, rating and cap.

Lamp Number	Osram	Philips	ECE Number	Volts	Watts	Cap	Type	Page	Lamp Number	Osram	Philips	ECE Number	Volts	Watts	Cap	Type	Page
149	5627	13821	R19/5	24	5	BA15s	SD/T	6	479	64173	12311	H2	12	55	X511	TH	1
150	5626	13822	R19/5	24	5	BA15d	SD/T	6	480	64175	13311	H2	24	70	X511	TH	1
207	5007	12821	R19/5	12	5	BA15s	SD/T	6	485	—	12454	—	12	100	P14.5s	TH	3
209	5407	12822	R19/5	12	5	BA15d	SD/T	6	486	—	12455	—	12	100	Pk22s	TH	3
227	—	13819	—	24	5	BA9s	SD/T	8	501	2825	12961	W10/5	12	5	W2.1×9.5d	SD/T	7
233	3893	12929	T8/4	12	4	BA9s	SD/T	6	504	2821	12256	W10/3	12	3	W2.1×9.5d	IP	7
239	6418	12844	C11	12	5	S8.5	F	10	505	2841	13256	W10/3	24	3	W2.1×9.5d	IP	7
241	7511	13498	P25-1	24	21	BA15s	ST/F	5	507	2845	13961	W10/5	24	5	W2.1×9.5d	SD/T	7
242	6423	13844	C11	24	5	S8.5	F	10	508	2741	13516	W5/1.2	24	1.2	W2×4.6d	IP	7
245	5008	12814	R19/10	12	10	BA15s	SD/T	6	643	3796	—	—	12	2.2	BA9s	IP	8
246	5637	13814	R19/10	24	10	BA15s	SD/T	6	650	3967	13875	—	24	2.8	E10/13	IP	8
247	—	—	R19/5	24	5	BA15d	SD/T	6	651	—	13910	—	24	2.8	BA9s	IP	8
248	5627HD	—	R19/5	24	5	BA15s	SD/T	6	695	3456	—	—	24	2.8	E10/13	IP	9
249	3930	13929	T8/4	24	4	BA9s	SD/T	6	804	—	—	—	12	12	B22d	BUS	10
260	6424	13864	—	24	5	S8.5	F	10	805	—	—	—	12	12	BA15d	BUS	10
265	6411	12854	—	12	10	S8.5	F	10	809	—	—	—	12	24	B22d	BUS	10
270	6475	12807	—	12	18	S8.5	F	10	810	—	—	—	12	24	BA15d	BUS	10
273	6476	9236	C15	12	21	S8.5	F	10	816	—	—	—	24	12	B22d	BUS	10
280	—	12926	—	12	1.5	E5/8	IP	9	817	—	—	—	24	12	BA15d	BUS	10
281	3898	12829	—	12	2	BA7s	IP	9	821	—	—	—	24	20	B22d	BUS	10
285	—	—	—	24	1.5	E5/8	IP	9	822	—	—	—	24	20	BA15d	BUS	10
286	2721	12516	W5/1.2	12	1.2	W2×4.6d	IP	7	865	—	—	—	24	2.8	BA9s	IP	8
288	3796	12913	T8/2	12	2	BA9s	IP	9	867	—	—	—	24	2.8	BA9s	IP	9
289	3797	13913	T8/2	24	2	BA9s	IP	9	924	2772	—	—	12	2	W2×4.6d	IP	7
290	7511HD	—	P25-1	24	21	BA15s	ST/F	5	931	2721MF	—	—	12	1.2	—	IP	8
291	—	—	P25-1	24	21	BA15d	ST/F	5	932	2741MF	—	—	24	1.2	—	IP	8
297	2820	12960	T10/2	12	2	W2.1×9.5d	IP	7	933	2722MF	—	—	12	2	—	IP	8
298	2840	13960	T10/2	24	2	W2.1×9.5d	IP	7	935	—	—	—	12	3	—	IP	8
323	7447	12228	F1	12	48	P36s	HD	4	987	3966	12875	—	12	2.2	E10/13	IP	8
330	—	13293	F1	24	44	P36d	HD	4	989	6253	—	—	12	5	BA9s	SD/T	8
334	7537	13499	—	24	24/6	BAY15d	ST/T	5	993	3967	13875	—	24	2.8	E10/13	IP	8
335	7505	12422	P25-1	12	21	BA15d	ST/F	5	1505	—	—	—	12	1.2	W2×4.6d	IP	7
346	7512	13422	P25-1	24	21	BA15d	ST/F	5	1506	—	—	—	12	1.2	W2×4.6d	IP	7
380	7528	12499	P25-2	12	21/5	BAY15d	ST/T	5	1507	—	—	—	12	1.2	W2×4.6d	IP	7
382	7506	12498	P25-1	12	21	BA15s	ST/F	5	1508	—	—	—	12	1.2	W2×4.6d	IP	7
410	7951	12620	R2	12	45/40	P45t	HD	4	2970	—	—	—	12	100/80	P43t	TH	3
429	7952	13620	R2	24	55/50	P45t	HD	4	2971	—	—	—	12	100/80	P43t	TH	3
448	64150	12258	H1	12	55	P14.5s	TH	1	2972	—	—	—	12	100/80	P45t	TH	3
453	64151	12336	H3	12	55	PK22s	TH	1	2973	—	—	—	12	100/80	P45t	TH	3
460	64156	13336	H3	24	70	PK22s	TH	1	2983	—	—	—	12	60/55	P45t	TH	2
466	64155	13258	H1	24	70	P14.5s	TH	1	2984	—	—	—	24	75/70	P45t	TH	2
472	64193	12342	H4	12	60/55	P43t	TH	2	370570	—	—	—	12	.065A	T1¼	IP	9
475	64196	13342	H4	24	75/70	P43t	TH	2	GH33	64114	—	—	12	20	BA9s	TH	11
476	G64193	12342/86	H4	12	60/55	P43t	TH	2	GH67	64113	—	—	12	10	BA9s	TH	11
478	—	13342/86	H4	24	75/70	P43t	TH	2	GH120	64111	—	—	12	5	BA9s	TH	11

Most exterior vehicle lamps are now included in the European regulation ECE Regulation no. 37 which uses the symbol . Where applicable, the lamp category is shown eg. P25-1, R19/5, T8/4, W0/5, which describes the shape, diameter and wattage. The voltage and cap are added to complete the type designation.

Types in use

THORN EMI lamps are supplied to the major European vehicle manufacturers for initial embodiment and the same high quality should be used for lamps for replacement purposes. The standard types shown by ECE or International references are those embodied and therefore most usually required for the replacement lamp range.



THORN EMI Lamps and Components

THORN EMI Lamps and Components Limited

Miles Road
Mitcham, Surrey CR4 3YX
Telephone 01-640 1221
Telex 25534 TELC G

Auto Lamp Division

Melton Road
Leicester LE4 7PD
Telephone 0533 61531
Telex 34553 THLITE G

European Division Administration

THORN EMI Lighting Limited
Jules Thorn Lighting Laboratory
Great Cambridge Road
Enfield, Middlesex EN1 1UL

THORN EMI Lighting Limited Subsidiaries

EUROPEAN

Austria

THORN EMI Licht GmbH
Erzherzog-Karl-Strasse 57
A-1220 Wien

Denmark

THORN Lampe A/S
Brogrenen 8, DK-2635 Ishøj

France

THORN EMI Eclairage S.a.
61 Rue Emile Zola, 69150 Decines

Germany

THORN EMI Beleuchtungsges mbH
Möhnestraße 55
Postfach 2580, 5760 Arnsberg 1

Italy

S.I.V.I. Illuminazione Spa
Casella Postale 604, 36100 Vicenza

Norway

THORN EMI Belysning A/S
Brobekkveien 107, Oslo 5

Sweden

THORN EMI Belysning AB
Anderstorpavägen 4, Box 4203
S-17104 Solna

OVERSEAS

Australia

THORN EMI Lighting Limited
210 Silverwater Road, Lidcombe
New South Wales 2141

Canada

THORN EMI Lighting Canada Limited
1400 Meyerside Drive, Mississauga
Ontario L5T 1H2

Ireland

THORN EMI Lighting Ireland Limited
320 Harolds Cross Road, Dublin 6

New Zealand

THORN EMI Lighting (NZ) Limited
PO Box 15150, 13a Veronica Street
New Lynn, Auckland 7

South Africa

THORN EMI Lighting (Pty) Limited
PO Box 43075
corner Watt and Edison Streets
Industria 2042, Transvaal

Publication No TELC 840404

