



SELUM®

Quality Lighting

SEF

STEUA ELECTRICA FIENI S.A.



Miniature lamps catalogue





SELUM®
Quality Lighting

S.E.F.

STEAUA ELECTRICA FIENI S.A.

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Minilamps catalogue



Incandescent lamps and bulbs
Decorative lamps
Miniature lamps
Autolamps





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R Steaua Electrică S.A. a fost înființată în anul 1936. Societatea noastră, situată în Fieni, s-a dezvoltat continuu încă din primul an de la înființare când a început producerea tuturor semifabricatelor necesare. În prezent ea funcționează ca o fabrică integrată. Liniile noastre de fabricație sunt foarte flexibile, fapt demonstrat de adaptabilitatea capacităților de producție la cerințele pieței. Steaua Electrică S.A. exportă o gamă largă de lămpi incandescente speciale sub mărcile Selum® și Selfi®. Piețele noastre principale sunt țările vest-europene.

F Steaua Electrica a été fondée en 1936. Notre entreprise, qui est établie à Fieni et qui s'est continuellement développée, a commencé la production de toutes les composantes dans la première année après sa fondation déjà. Aujourd'hui, elle fonctionne comme usine intégrée. Nos chaînes d'assemblage sont très flexibles: la production peut toujours être adaptée aux exigences du marché. Sous les marques de Selum® et de Selfi®, Steaua Electrica S.A. exporte un grand assortiment de lampes à incandescence spéciales. Nos marchés principaux sont les pays de l'Europe de l'Ouest.



UK Steaua Electrica was founded in 1936. Our company, established in Fieni, was continuously developed beginning the production of all components since the first year after its foundation. Now functioning as an integrated plant. Our assembly lines are very flexible, shown in the adaptability of the productive capacities to the requires of the market. Under Selum® and Selfi® brand Steaua Electrica S.A. exports a wide range of special incandescent lamps, our main markets being the West European countries.

D Steaua Electrica wurde im Jahr 1936 gegründet. Unser in Fieni niedergelassenes Unternehmen hat sich in den Jahren nach der Gründung kontinuierlich im Bereich der Herstellung sämtlicher Komponenten entwickelt. Der Betrieb präsentiert sich heute als eine integrierte Fabrik. Unsere Montagelinien zeigen einen sehr flexiblen Aufbau, was sich in der Fähigkeit, auf die Anforderungen des Marktes ausgerichtete Produkte zu produzieren, widerspiegelt. Unter den Markennamen Selum® und Selfi® exportiert Electrica S.A. ein breites Produktangebot an Glühlampen. Unser Hauptabsatzgebiet liegt in den Ländern Westeuropas.



Mini-lampen

Op deze speciale bladzijden staan de meest populaire mini lampen, die vooral gebruikt worden in spanningsmeters en lichtschakelaars. SELUM® is ook bekend met alle typenummers en kan u helpen het beste SELUM® alternatief te vinden. Op deze pagina's staan alleen de meest gebruikte mini lampen maar wij kunnen ook de meeste andere mini lampen leveren ook al worden ze niet in deze catalogus vermeld.

Kwaliteit

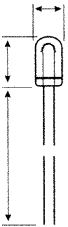
Mini lampen kunnen op zeer veel verschillende manieren worden toegepast. Iedere toepassing heeft speciale vereisten. Hieronder geven wij u enige informatie die u in overweging kunt nemen bij het uitzoeken van de voor u beste lamp.

Lampgrootte

Er is een tendens om de grootte van het materiaal te verkleinen en dus ook de lampgrootte te verkleinen. SELUM® heeft dit gedaan en kan lampen leveren met een diameter van slechts 1mm. Heel populair en geproduceerd in grotere aantallen en daarom ook goedkoper zijn lampen met een T1 maat. Deze lampen hebben een diameter van 3,17mm.

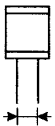
De internationale handel gebruikt codes zoals T1. De T is de buisvorm en 1 is 1/8 inch d.w.z.

1/8x25,4=3,17mm. T2 is dus een lamp met een diameter van 6,34. U moet er wel aan denken dat hoe kleiner de lamp hoe kleiner het vermogen van de lamp is. Als u een lamp zoekt die veel licht uitstraalt, dan hebt u een grotere lamp nodig en/of de levensduur moet korter zijn. Halogeenlampen geven meer licht zelfs in een kleine uitvoering. Sommige modellen vindt u in onze catalogus. U kunt ons raadplegen als u niet weet welke lamp u moet gebruiken.



Lampvoeten

In de bestaande toepassingen moet u natuurlijk de juiste lampvoet nemen, anders past de lamp niet in uw materiaal. Voor nieuwe toepassingen is het het goedkoopste om een lamp zonder voet te gebruiken met alleen de draadverbinding die gesoldeerd kan worden. De levensduur van deze types is tot 100.000 uur en vaak langer dan de levensduur van uw materiaal. Als de lamp vervangen moet worden, zorg dan voor een gewone voet zodat de gebruikers zonder veel moeite nieuwe lampen kunnen vinden.



Levensduur

De kwaliteit van een lamp wordt niet bepaald door zijn levensduur. Lampen hebben een bepaalde levensduur en geven een bepaalde hoeveelheid licht tijdens hun levensduur. In sommige toepassingen hebt u in een paar uur veel licht nodig en in sommige gevallen hebt u liever een hele lange levensduur met weinig licht. SELUM® kan u speciale lampen leveren met een maximale hoeveelheid licht tijdens de levensduur die u nodig hebt. U kunt ons raadplegen als u vragen hierover heeft.

Voltage

Lampen kunnen minder zwaar en zwaarder belast worden. Als u een 24V lamp gebruikt bij 22V zal de levensduur met 300% toenemen. Als u een 24V lamp gebruikt bij 26V zal de levensduur met 40% afnemen, maar u heeft 30% meer licht.

Gloeidraad

Gebruik altijd lampen met extra ondersteuning in de gloeidraad als u materiaal gebruikt dat kan trillen. Als u het materiaal uitkiest, probeer dan altijd lampen uit te zoeken met een laag voltage en een hoog wattage want deze lampen zijn sterk en hebben een lange levensduur.



Alle lampen leverbaar

Als u lampen zoekt, die niet in deze catalogus staan, kunt u ons altijd raadplegen.

Lampes miniatures

Ces pages spécifiques reprennent les lampes miniatures les plus courantes, principalement utilisées dans les appareils de mesures et les interrupteurs lumineux. SELUM® a connaissance de tous les numéros de code et peut vous aider à trouver la meilleure alternative. Nous pouvons également vous trouver les lampes miniatures qui ne seraient pas reprises au catalogue.

Qualité

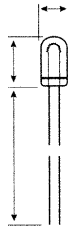
Les lampes miniatures ont des applications diverses. Chaque utilisation a ses exigences propres. Les informations ci-après sont à prendre en considération dans la recherche de la lampe idéale.

Dimensions

Il y a une tendance à la miniaturisation, et la lampe n'y échappe pas. SELUM® peut livrer des lampes d'un diamètre d'à peine 1 mm. Très courantes et produites en grandes quantités sont les lampes de taille T1. Ces lampes ont un diamètre de 3,17 mm. Sur le plan international, on utilise des codes comme par exemple T1. La lettre T représente la forme de la lampe et le chiffre 1 signifie 1/8 inch, donc 1/8x25,4=3,17mm. T2 est donc une lampe d'un

diamètre de 6,34mm. La puissance d'une lampe est d'autant plus faible que sa taille diminue. Si l'on désire une lampe donnant beaucoup de lumière, sa taille sera plus importante et/ou sa durée de vie sera plus courte. Les lampes halogènes donnent plus de lumière, même dans des exécutions plus petites; vous trouverez certains modèles dans le catalogue.

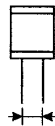
N'hésitez pas à nous consulter si vous avez des doutes quant à la lampe recherchée.



Culot

Pour le remplacement de la lampe dans une application existante, il faut bien sûr respecter le même culot. Pour des applications nouvelles, il est souvent moins onéreux de sélectionner une lampe

sans culot et de ne souder que les deux fils. La durée de vie de ce type de lampes atteint les 100.000 heures, et excède donc souvent la durée de vie du matériel lui-même. Il est important de choisir des culots les plus courantes, afin que les utilisateurs puissent aisément trouver les lampes de remplacement.



Durée de vie

La qualité d'une lampe ne se juge pas sur sa durée de vie. Les lampes ont une durée de vie déterminée et émettent une certaine quantité de lumière au cours de cette durée. Dans certains applications vous pouvez avoir besoin de beaucoup de lumière pendant quelques heures, et dans d'autres cas une durée de vie exceptionnellement longue avec très peu de lumière. SELUM® peut donc vous livrer une lampe donnant le maximum de lumière pour la durée de vie désirée. Nous sommes là pour vous conseiller.

Voltage

Les lampes peuvent être sous- ou suralimentées. Une lampe de 24V alimentée en 22V verra sa durée de vie augmentée de 300%. La même lampe alimentée en 26V écourtera sa durée de vie de 40% mais donnera 30% de lumière en plus.

Filament

Il est conseillé d'utiliser un filament ayant plusieurs points de fixation dans les applications soumises aux vibrations. En cas d'applications nouvelles, portez votre choix sur des lampes à bas voltage et à haut wattage, caractéristiques qui allient solidité et durée de vie.



Disponibilité

Veillez nous consulter si vous recherchez une lampe qui ne serait pas reprise dans le catalogue.



Small lamps

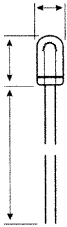
These particular pages show you the most popular small lamps that are mainly used in indicators and illuminated switches. SELUM® is also familiar with typenumbers of many makers and can help you in finding the correct SELUM® alternative. These pages only show the most commonly used small lamps and we can also supply most of other specifications even when they are not listed in this catalogue.

Quality

Small lamps are used for hundreds of different applications each with very specific requirements. Here below we give you some considerations in selecting the correct lamp for your application.

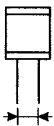
Lampsize

There is a tendency to reduce the size of equipments and thus also reducing lamp sizes. SELUM® has followed this need and is able to supply lamps even with a diameter of 1mm only. Very popular and produced in higher volumes and therefore cheaper are lamps with a T1 size which is 3,17 mm in diameter. The international trade uses codes such as T-1 indicating T for tubular shape and 1 being 1/8 of an inch i.e. $1/8 \times 25,4 = 3,17$ mm. T2 thus stands for a lamp of about 6,34mm in diameter. One has to remember that the smaller the lamp the less power it can have. If you are looking for a powerful lamp giving a lot of light then the size has to be larger and/or life has to be shortened. Lamps with halogengas will give much more light even in small sizes. Some of the models are listed in this catalogue. Consult us if you hesitate which lamp to use.



The Base

In existing applications you, of course have to select the correct base as otherwise the lamp will not fit your equipment. For new applications very often it is the cheapest to use a lamp without base but just with wire-leads which can be soldered. Lamplife for these types is available upto 100.000 hours and often longer than the life of your equipment. If the lamp has to be replace-able make sure you select a popular base to secure that users can find new lamps in the market without too much difficulty.



Life

The quality of a lamp is not determined by its life. Lamps have designed lifes and give a certain amount of light during their lifetime. In some applications you need a lot of light during a few hours only and in some other you may prefer an almost endless life even with very little luminosity. SELUM® can design special lamps for you giving you maximum luminosity during the lifetime you need. Please consult us if you have any questions.

Voltage

Lamps can be used at an under-voltage or at an over-voltage. If you use a 24V lamp at 22V you will improve life with 300% but on the contrary if the 24V lamp is used at 26V the life will be reduced to 40% and you will have 30% more brightness.

Filament

Always use lamps with extra supports in the filament when your equipment is used with shocks or vibrations. When designing equipment always try to select lamps with the lowest possible voltage and the highest possible wattage since these will be the real robust and long life lamptypes.



All lamps available

Please consult us for information with other lamptypes if you cannot find the lamp you are looking for in this catalogue.

Miniaturlampen

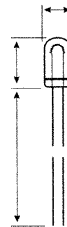
Diese Seiten zeigen die gebräuchlichsten Miniaturlampen welche hauptsächlich als Anzeigelampen und in beleuchteten Schaltern verwendet werden. SELUM® ist informiert über die Typennummern vieler Erzeuger und hilft Ihnen gerne bei der Bestimmung der richtigen SELUM®-Alternative. Diese Seiten beinhalten nur die meistverwendeten Miniaturlampen. Wir liefern auch andere Ausführungen - auch wenn Sie nicht in diesem Katalog enthalten sind.

Lampenspezifikation

Miniaturlampen werden für hunderte verschiedene Anwendungen eingesetzt und müssen verschiedenen Anforderungen entsprechen. Im folgenden stehen einige Überlegungen für die Auswahl der richtigen Lampe.

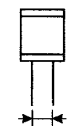
Lampengröße

Es besteht die Tendenz die Größe von Geräten zu reduzieren und damit auch die Abmessungen der Lampen. SELUM® folgt diesen Anforderungen und ist in der Lage Lampen mit einem Durchmesser von nur 1mm zu liefern. Meist verwendet werden Lampen in der Größe T1, was einem Durchmesser von 3,17mm entspricht. Der internationale Markt verwendet Codierungen wie T1, wobei T für Röhrenform (Tubular) und 1 für 1/8 Zoll steht, daher $1/8 \times 25,4 = 3,17$ mm. T2 ist daher eine Lampe von etwa 6,34 Durchmesser. Man muß berücksichtigen, daß je kleiner die Lampe ist umso geringer auch die Betriebsleistung sein muß. Wenn Sie eine leistungsstarke Lampe suchen die viel Licht gibt, dann müssen auch die Abmessungen größer sein und/oder die Lebensdauer wird verkürzt. Lampen mit Halogengas geben viel mehr Licht, auch bei kleineren Abmessungen. Einige davon sind in dem Katalog enthalten. Bitte kontaktieren Sie uns, wenn Sie bei der Lampenwahl nicht ganz sicher sind!



Socket

Für bestehende Anwendungen muß natürlich der richtige Sockel gewählt werden, andernfalls wurde die Lampe nicht in das Gerät passen. Für einen Neueinsatz ist es oft am kostengünstigsten Lampen ohne Sockel zu verwenden welche nur Drahtzuführungen haben, die gelötet werden können. Es sind Lampen im Programm, die eine



Lebensdauer von bis zu 100.000 Stunden aufweisen; oftmals länger als die Lebensdauer des Gerätes in dem sie eingesetzt sind. Wenn die Lampe austauschbar sein soll stellen Sie sicher, daß ein üblicher Sockel gewählt wird der für den Verwender ohne Komplikationen erhältlich ist.

Lebensdauer

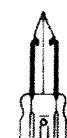
Die Qualität einer Lampe wird nicht nur von ihrer Lebensdauer bestimmt. Lampen sind für eine gewisse Lebensdauer konzipiert und geben eine gewisse Menge Licht während dieser Lebensdauer. In einigen Fällen benötigt man viel Licht während nur einiger weniger Stunden; in anderen Fällen soll die Lebensdauer nahezu unbegrenzt sein mit sehr geringem Lichtbedarf. SELUM® konzipiert für Sie Lampen die Ihnen maximale Lichtausbeute für die gewünschte Lebensdauer liefern. Bitte kontaktieren Sie uns wenn Sie irgendwelche Fragen haben.

Spannung

Lampen können auch an Unter- wie am Überspannung betrieben werden. Wenn Sie ein Gerät konzipieren versuchen Sie Lampen mit der geringst möglichen Spannung und der höchst möglichen Leistung zu wählen, da dies die robustesten Lampen mit langer Lebensdauer sind.

Wendel

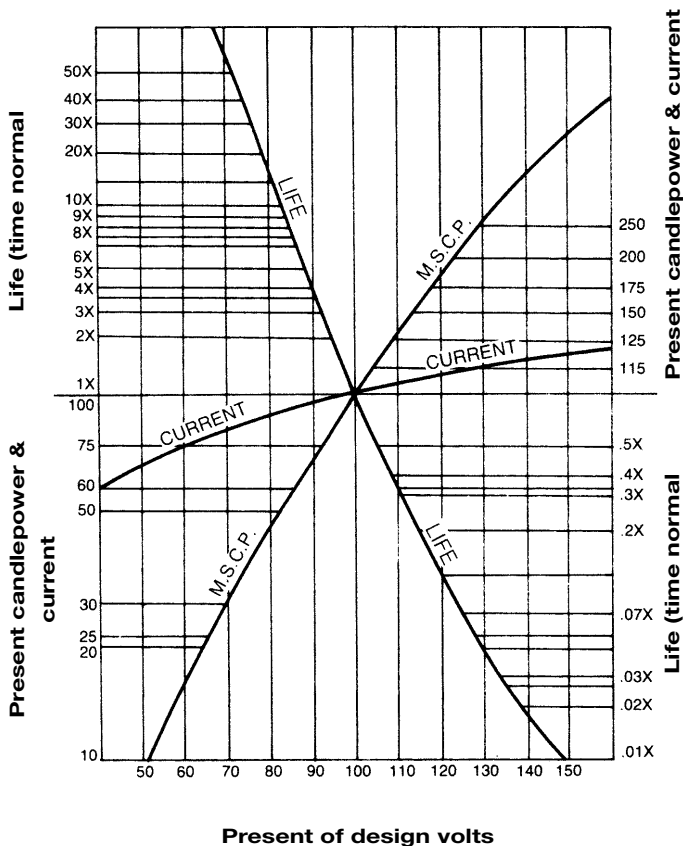
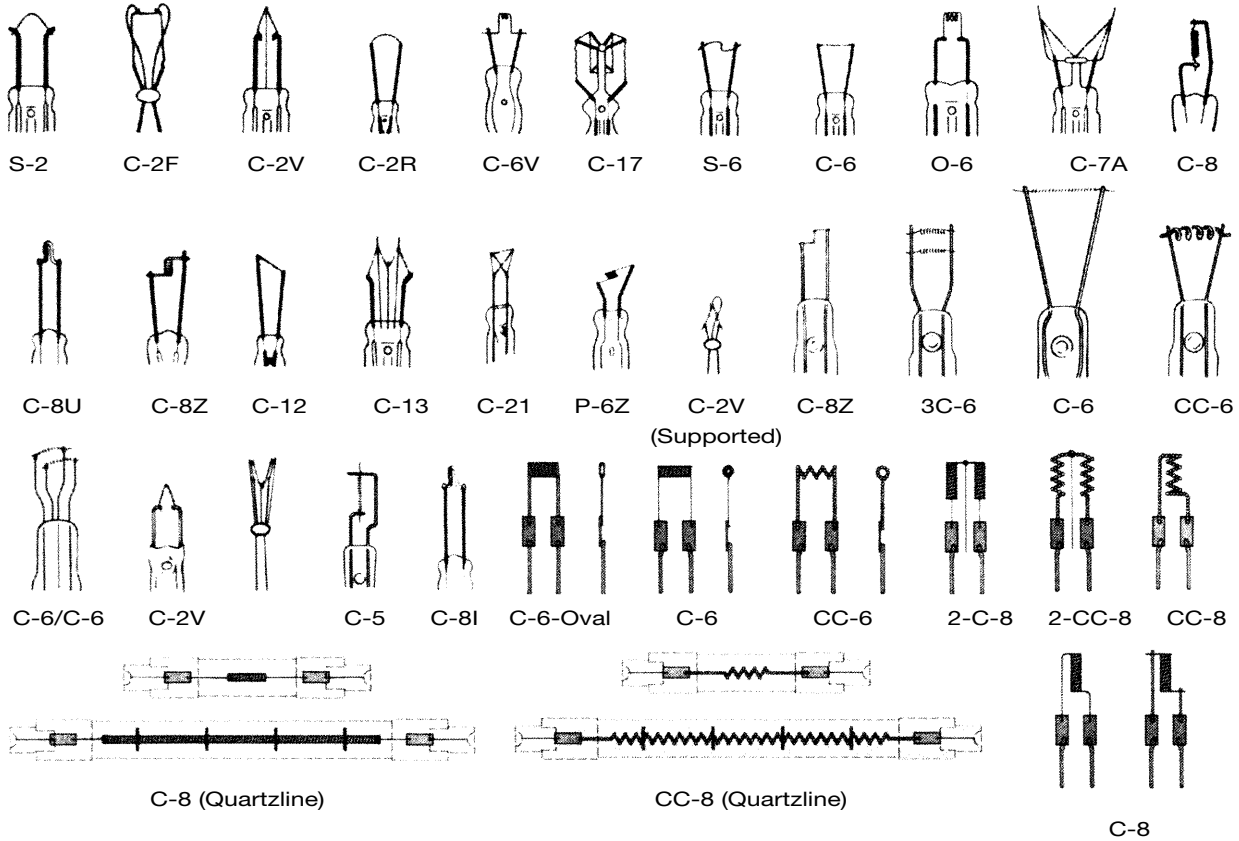
Wenn das Gerät Erschütterungen oder Vibrationen ausgesetzt ist, verwenden Sie Lampen mit zusätzlichen Wendelhalterungen.



Wenn Sie ein Gerät konzipieren versuchen Sie Lampen mit der geringst möglichen Spannung und der höchst möglichen Leistung zu wählen, da dies die robustesten Lampen mit langer Lebensdauer sind.

Lampenprogramm

Bitte nehmen Sie mit uns Kontakt auf wenn Sie Informationen über Lamptypen suchen die Sie nicht in diesem Katalog finden.



Small lamp relating

$$\text{RELATED M.S.C.P.} = \left(\frac{\text{RELATED V}}{\text{DESIGN V}} \right)^{3.5} \times \text{DESIGN M.S.C.P.}$$

$$\text{RELATED LIFE} = \left(\frac{\text{RELATED V}}{\text{DESIGN V}} \right)^{12} \times \text{DESIGN LIFE}$$

$$\text{RELATED CURRENT} = \left(\frac{\text{RELATED V}}{\text{DESIGN V}} \right)^{.55} \times \text{DESIGN CURRENT}$$

Conversion of M.S.C.P. to and from lumen

$$\text{M.S.C.P.} = \frac{\text{LUMEN}}{12.57} \quad \text{LUMEN} = 4\pi (12.57) \times \text{M.S.C.P.}$$

Design voltage Design voltage shows the voltage at which a lamp is operated for current, brightness and life hours required.

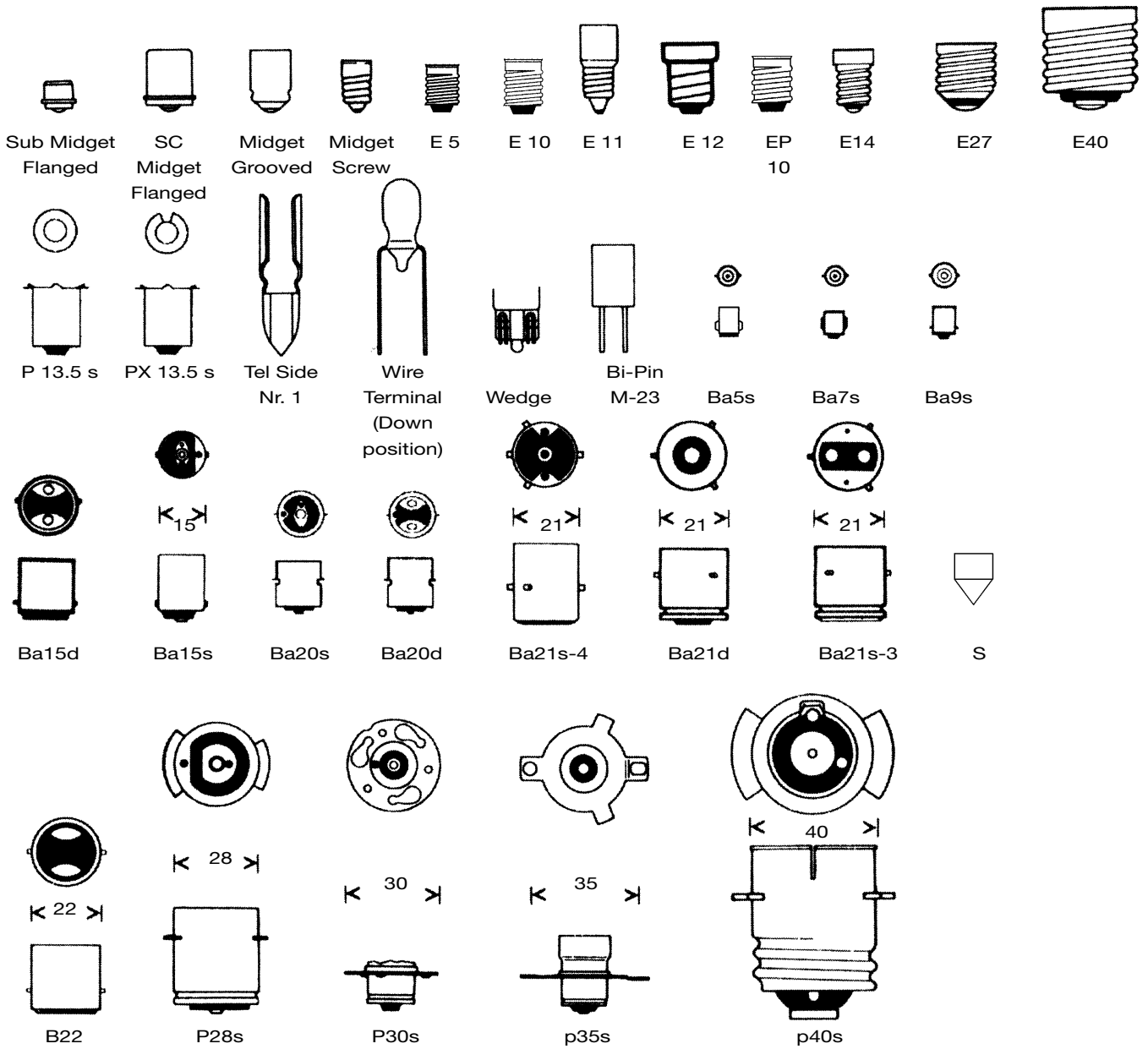
Design amperage The value shown in the catalogue is value of current flowing through a lamp when operated at its design voltage.

M.S.C.P. MSCP is mean spherical candle power which is the average of the total output of the lamp as measured in a photometric reflectance sphere at design voltage. Small lamps are aged and selected to ± 25% or ± 15%.

Life hours Average life hours obtained at static laboratory conditions when the lamp is operated at design voltage. Actual life may differ from laboratory life due to the effects of shock vibration, voltage, and environmental conditions encountered in lamp applications. **M.O.D.** Maximum overall length is the largest total diameter of glass envelope, base or lead wires.

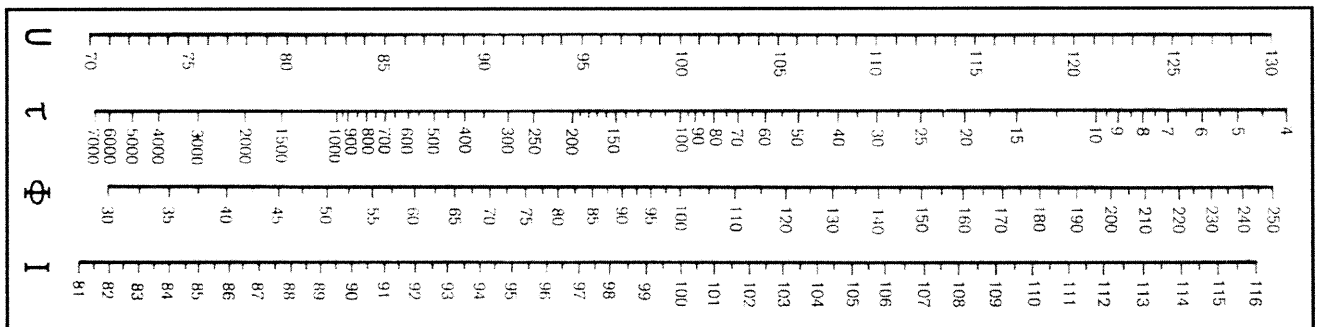
M.O.L. Maximum overall length is the largest total length which the lamp or base and lamp will not exceed. **Lead wires** Unbased lamp leads are dument wire, leads are available with unplated, tin, or gold plated for solderability.

Filament shapes The filament is the light emitting portion of lamp. Prefix letter indicates: (S) Straight, (C) coiled or (CC) coiled coil. A number designates the geometric style of filament support wires.

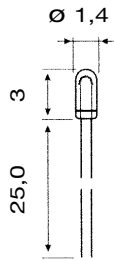


Undervoltage

Overvoltage

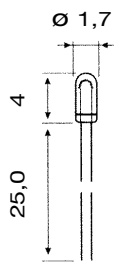


U in % of design-voltage τ in % of design-lifetime Φ in % of design-candle power I in % of design-current



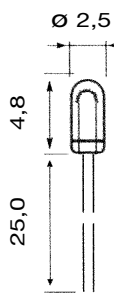
Ultra Subminiature Lamps T 1/2 tubular 1,4 x 3 mm wires 20/25 mm

0107401	1,5	15	0.015	15000	C-2R
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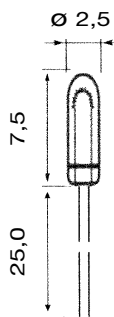
Ultra Subminiature Lamps T 1/2 tubular 1,7 x 4 mm wires 20/25 mm

0327401	1,5	40	0.005	15000	C-2R
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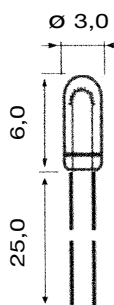
Subminiature Lamps T 3/4 tubular 2,5 x 4,8 mm wires 20/25 mm

1227501	5	80	0,150	15000	C-2R
1297501	5	115	0,150	20000	C-2R
2767501	12	50	0,070	15000	CC-2V
3807501	24	20	0,035	10000	CC-2V



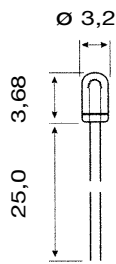
Subminiature Lamps T 3/4 tubular 2,5 x 7,5 mm wires 20/25 mm

0217501	1,5	20	0,025	15000	C-2R
0367501	2	50	0,030	15000	C-2R



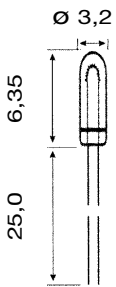
Subminiature Lamps T 7/8 tubular 3 x 6 mm wires 20/25 mm

1197825	5	115	0,150	40000	C-2R
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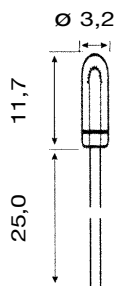
Subminiature Lamps T 1 tubular 3,2 x 3,68 mm wires 20/25 mm

Art. nr.	Volt	mA	Watt	MSCP \pm 25%	Life hours	Filament
1197801	5	60		0,050	25000	C-2R



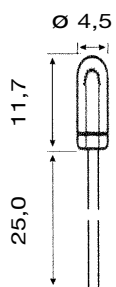
Miniature Lamps T 1 Wire Ended tubular 3,2 x 6,35 mm wires 20/25 mm

Art. nr.	Volt	mA	Watt	MSCP \pm 25%	Life hours	Filament
1137900	5	21		0,034	10000	C-2R
1147901	5	30		0,024	15000	C-2R
1167900	5	40		0,022	60000	C-2R
1197900	5	60		0,050	25000	C-2R
1197910	5	60		LENS	10000	C-2R
1207900	5	60		0,030	60000	C-2R
1237901	5	75		0,090	20000	C-2R
1257900	5	115		0,150	30000	C-2R
1267901	5	125		0,220	15000	C-2R
1467901	6	50		0,024	15000	C-2F
1507901	6	70		0,120	10000	C-2R
1887900	7	50		0,030	16000	C-2R
2547901	10	27		0,100	10000	C-2F
2707901	12	30		0,100	10000	C-2F
2797900	12	60		0,160	16000	C-2V
3047900	14	65		0,180	16000	C-2F
3467900	18	26		0,200	16000	C-2F
4847900	24-30	24		0,200	14000	CC-2F



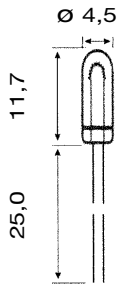
Miniature Lamps T1 FR Wire Ended tubular 3,2 x 11,7 mm wires 20/25 mm

Art. nr.	Volt	mA	Watt	MSCP \pm 25%	Life hours	Filament
2728001	12	20		0,040	12000	C-2V
2798001	12	60		0,150	10000	C-2V



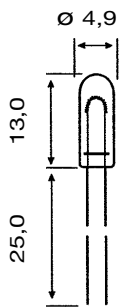
Miniature Lamps T1 1/4 Wire Ended tubular 4,5 x 11,7 mm wires 20/25 mm

Art. nr.	Volt	mA	Watt	MSCP \pm 25%	Life hours	Filament
0388501	1,5	70		0,016	12000	C-2R
0258502	2	120		LENS	5000	C-2R
0708501	3	190		0,250	12000	C-2R
0958501	4,5	40		0,032	15000	C-2R
1128500	5	20		0,034	12000	C-2R
1198500	5	60		0,050	10000	C-2R
1258501	5	115		0,150	20000	C-2R
1448500	6	40		0,030	10000	C-2V
1488500	6	60		0,130	10000	C-2R
1578501	6	200		0,630	10000	C-2R



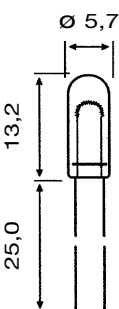
Miniature Lamps T1 1/4 Wire Ended tubular 4,5 x 11,7 mm wires 20/25 mm

1948501	6,3	75	0,120	20000	C-2R
2528501	10	15	0,003	10000	C-2F
2648500	12	20	0,040	10000	C-2F
2698500	12	35	0,050	25000	C-2F
2748500	12	40	0,090	10000	C-2V
2798500	12	60	0,160	15000	C-2V
2818500	12	80	0,400	10000	C-2V
2838500	12	100	0,250	10000	C-2F
2868501	13,5	30	0,180	10000	C-2F
3048500	14	65	0,160	15000	C-2F
3058500	14	67	0,150	10000	C-2F
3088500	14	80	0,300	10000	C-2F
3198501	14	100	0,480	10000	C-2F
3518500	19	40	0,250	15000	C-2F
3948500	24-30	35	0,100	25000	C-2F
4888501	24-30	25	0,080	15000	C-2F
4968500	24-30	40	0,300	10000	C-2F
6748501	48-60	25	0,200	10000	CC-2F



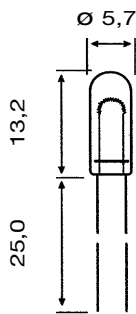
Miniature Lamps T1 1/2 Wire Ended tubular 4,9 x 13 mm wires 20/25 mm

0208901	1,35	60	0,030	10000	C-2R
0998901	4,5	60	0,100	14000	C-2R
1448901	6	40	0,040	10000	C-2V
1528920	6	80	0,070	10000	C-2R
1578901	6	200	0,600	10000	C-2R
2038900	6,3	200	0,318	10000	C-2F
2628901	10	120	0,285	10000	C-2V
2678901	12	30	0,100	10000	C-2V
2748901	12	40	0,090	10000	C-2F
2768901	12	50	0,160	10000	C-2V
2818901	12	80	0,160	15000	C-2V
2838901	12	100	0,270	10000	C-2V
3048900	14	50	0,200	10000	C-2F
3928900	24-30	35	0,150	10000	C-2F
4968901	24-30	40	0,340	10000	C-2F
5928901	32	40	0,325	10000	C-2F



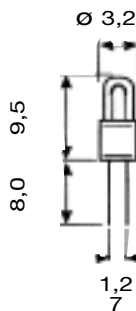
Miniature Lamps T1 3/4 Wire Ended tubular 5,7 x 13,2 mm wires 20/25 mm

0499301	2,5	350	0,200	10000	C-2R
0609301	3	15	0,002	20000	C-2R
0859300	2,5	100	0,080	10000	C-2R
1089300	4,5	120	0,040	25000	C-2F
1199301	5	60	0,050	20000	C-2R
1429300	6	40	0,030	10000	C-2V
1539301	6	100	0,120	20000	C-2V
1579301	6	200	0,340	10000	C-2R
1929300	6,3	40	0,020	10000	C-2V
1949301	6,3	75	0,230	10000	C-2R



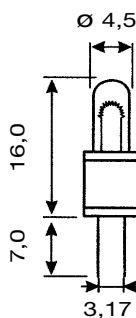
Miniature Lamps T1 3/4 Wire Ended tubular 5,7 x 13,2 mm wires 20/25 mm

Art. nr.	Dimensions mm	Volt	mA	Watt	MSCP _{±25%}	Life hours	Filament
2039300	6,3	200			0,400	20000	C-2F
2529300	10	14			0,003	10000	C-2F
2749300	12	40			0,100	10000	C-2F
2799301	12	60			0,160	10000	C-2V
3119300	14	80			0,300	15000	C-2F
3519301	18	40			0,150	10000	C-2F
3839300	24-30	20			0,150	10000	C-2F
4049301	24-30	50			0,400	10000	C-2F
4969300	24-30	40			0,300	10000	C-2F
5069300	24-30	60			0,340	25000	C-2F
8089301	48-60	20			0,150	15000	CC-2F



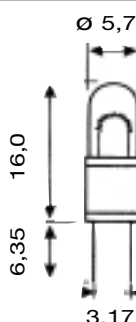
Bi-pin Lamps T1 tubular 3,2 x 9,5 mm Pin-spacing : 1,27 mm

Art. nr.	Dimensions mm	Volt	mA	Watt	MSCP _{±25%}	Life hours	Filament
0658301	3	85			0,040	12000	C-2R
1198301	5	60			0,050	25000	C-2R
1238301	5	75			0,090	60000	C-2R
1258301	5	115			0,150	40000	C-2R
2748302	12	40			0,090	10000	C-2V
2798301	12	60			0,150	16000	C-2V
3078302	14	65			0,145	16000	C-2R
4848301	24-30	24			0,160	14000	CC-2F
4968302	24-30	40			0,360	15000	CC-2F



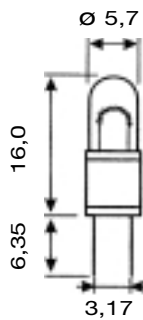
Bi-pin Lamps T1 1/4 tubular 4,5 x 16 mm Pin-spacing : 3,17 mm

Art. nr.	Dimensions mm	Volt	mA	Watt	MSCP _{±25%}	Life hours	Filament
1208702	5	60			0,050	20000	C-2R
1498702	6	60			0,120	14000	C-2V
2028702	6,3	200			0,550	10000	C-2R
2748702	12	340			0,090	16000	C-2V
3098702	14	80			0,530	10000	C-2F
3118702	14	80			0,300	15000	C-2F
4928702	24-30	40			0,340	14000	C-2F



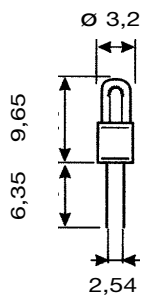
Bi-Pin Lamps T1 3/4 tubular 5,7 x 16 mm Pin-spacing : 3,17 mm

Art. nr.	Dimensions mm	Volt	mA	Watt	MSCP _{±25%}	Life hours	Filament
0459702	2,5	200			0,250	10000	C-2R
0609702	3	15			0,002	20000	C-2R
1199702	5	60			0,050	20000	C-2R
1449702	6	40			0,040	10000	C-2V
1579702	6	200			0,340	10000	C-2R
1929702	6,3	40			0,030	20000	C-2V
1939702	6,3	75			0,150	10000	C-2V
2029702	6,3	200			0,030	20000	C-2V
2749701	12	40			0,880	10000	C-2F
2799701	12	60			0,160	10000	C-2F
3119701	14	80			0,300	15000	C-2F



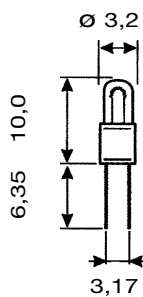
Bi-Pin Lamps T1 3/4 tubular 5,7 x 16 mm Pin-spacing : 3,17 mm

Art. nr.	Dimensions mm	Volt	mA	Watt	MSCP \pm 25%	Life hours	Filament
3519701	18	40			0,150	10000	C-2F
4889701	24-30	25			0,220	10000	C-2F
4929701	24-30	35			0,100	30000	C-2F
4969701	24-30	40			0,300	10000	C-2F
5149701	24-30	80			0,600	10000	C-2F
8089701	48-60	20			0,150	15000	CC-2F



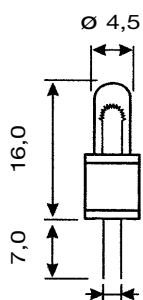
Bi-pin Lamps T1 tubular 3,2 x 9,65 mm Pin-spacing : 2,54 mm

Art. nr.	Dimensions mm	Volt	mA	Watt	MSCP \pm 25%	Life hours	Filament
1198311	5	60			0,050	25000	C-2R
1238311	5	75			0,090	25000	C-2R
1448312	6	40			0,300	20000	C-2V
1658311	6	115			0,150	40000	C-2R
2768312	12	50			0,150	10000	C-2V
2798311	12	60			0,150	16000	C-2F
3468311	18	26			0,145	16000	C-2F
4848311	24-30	24			0,165	16000	CC-2F
6038311	36	20			0,103	10000	CC-2F



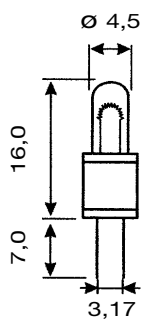
Bi-pin Lamps T1 tubular 3,2 x 10 mm Pin-spacing : 3,17 mm

Art. nr.	Dimensions mm	Volt	mA	Watt	MSCP \pm 25%	Life hours	Filament
1198322	5	60			0,050	20000	C-2R
1238322	5	75			0,090	20000	C-2R
2728322	12	40			0,100	10000	C-2V
2798322	12	60			0,150	16000	C-2V
3468322	18	26			0,145	16000	C-2F
4848322	24-30	24			0,165	16000	CC-2F



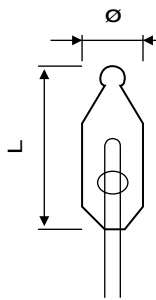
Bi-pin Lamps T1 1/4 tubular 4,5 x 16 mm Pin-spacing : 2,54 mm

Art. nr.	Dimensions mm	Volt	mA	Watt	MSCP \pm 25%	Life hours	Filament
1198712	5	60			0,050	25000	C-2R
1938722	6,3	75			0,220	15000	C-2V
3338712	16	30			0,034	10000	C-2F
9258772	24	35			0,100	10000	C-2F



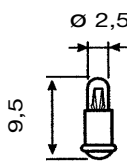
Bi-pin Lamps T1 1/4 tubular 4,5 x 16 mm Pin-spacing : 3,17 mm

Art. nr.	Dimensions mm	Volt	mA	Watt	MSCP \pm 25%	Life hours	Filament
1208701	5	60			0,050	40000	C-2R
2728702	12	40			0,150	16000	C-2V
2768702	12	50			0,160	12000	C-2V
2798701	12	60			0,145	15000	C-2F
3098701	14	80			0,500	10000	C-2F
3518702	18	40			0,150	10000	C-2F
9258702	24-30	35			0,100	25000	C-2F
9558702	24-30	25			0,080	15000	C-2F
6028702	36	20			0,080	10000	CC-2F
6758702	48-60	25			0,200	10000	CC-2F



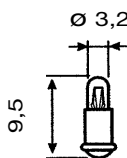
Pisello Lamps

0147300	3 x 10	1,5	50		2000	C-2R
0757310	3 x 10	3,5	100		2000	C-2R
1027300	3,5 x 12	4,5	100		2000	C-2R
3407310	3,5 x 12	16	50		2000	C-2V
2837320	4,2 x 12	12	100		2000	C-2R
0447340	5,2 x 13	2,5	200		2000	C-2R
0747340	5,2 x 13	3,5	80		2000	C-2R
0777340	5,2 x 13	3,5	200		2000	C-2R
1017340	5,2 x 13	3,5	80		2000	C-2R
2757340	5,2 x 16	12	50		2000	C-2R
2797340	5,2 x 16	12	60		2000	C-2V
4037340	5,8 x 18	24	50		2000	C-2V
1537350	5,2 x 20	6	100		2000	C-2R
2837350	5,5 x 18	12	100		2000	C-2V
0777360	6,0 x 21	3,5	150		2000	C-2R



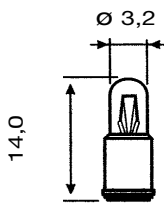
Midget Flanged M.F. Lamps T 3/4 tubular 2,5 x 9,5 mm

0367636		2	50	0,030	10000	C-2R
1197636		5	60	0,050	25000	C-2R
1257636		5	115	0,150	40000	C-2R
1467636		6	50	0,050	15000	C-2V
2757636		12	50	0,120	15000	CC-2V
2767636		12	50	0,075	15000	CC-2V
3047636		14	30	0,020	10000	CC-2V
3337636		16	30	0,025	12000	CC-2V
4787636		24-30	20	0,040	15000	CC-2V



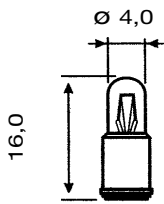
Midget Flanged M.F. Lamps T1 USA tubular 3,2 x 9,5 mm

0608143		3	19	0.018	12000	C-2R
1138144		5	21	0.034	12000	C-2R
1198143		5	60	0,050	25000	C-2R
1238144		5	75	0,090	20000	C-2R
1258144		5	115	0,150	20000	C-2R
1438144		6	40	0,040	25000	C-2R
1508144		6	70	0,120	20000	C-2R
2718144		12	30	0,030	15000	C-2V
2798144		12	60	0,150	16000	C-2V
3078144		14	65	0,200	10000	C-2F
3468144		18	26	0,150	20000	C-2F
4848143		24-30	20	0,160	25000	CC-2F



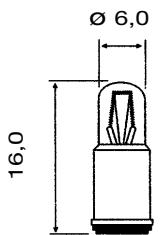
Midget Flanged M.F. T1 FR tubular 3,2 x 14 mm

1218247	5	60	0,050	40000	C-2V
1288247	5	115	0,150	20000	C-2V
1388247	6	70	0,090	15000	C-2V
1578247	6	200	0,500	10000	C-2V
2728247	12	20	0,040	10000	C-2F
2798247	12	60	0,150	10000	C-2V
2838247	12	100	0,300	10000	C-2F
4838247	24-30	24	0,080	20000	CC-2F
4928247	24-30	40	0,340	20000	CC-2F



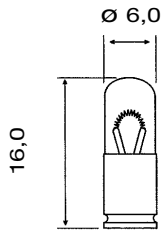
Midget Flanged M.F. T1 1/4 tubular 4,0 x 16 mm

0708658	3	190	0,250	10000	C-2R
1448658	6	40	0,040	10000	C-2V
1488658	6	60	0,130	14000	C-2R
2748658	12	40	0,090	16000	C-2V
3098658	14	40	0,500	10000	C-2F
4928658	24-30	80	0,340	14000	C-2F



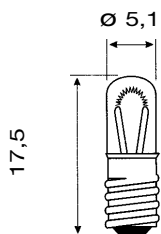
Midget Flanged M.F. T1 3/4 tubular 6 x 16 mm

0209468	1,35	60	0,010	5000	C-2R
0499468	2,5	350	0,200	10000	C-2R
1199468	5	60	0,050	20000	C-2R
1259468	5	115	0,150	20000	C-2R
1439467	6	40	0,040	5000	C-2R
1509468	6	70	0,080	15000	C-2V
1539467	6	100	0,160	5000	C-2V
1579467	6	200	0,340	5000	C-2R
1929468	6,3	40	0,020	20000	C-2V
1949468	6,3	75	0,230	20000	C-2R
2029468	6,3	200	0,550	20000	C-2R
2489467	10	15	0,002	10000	C-2F
2749467	12	40	0,100	10000	C-2F
2799468	12	60	0,160	10000	C-2F
2839467	12	100	0,300	5000	C-2V
2849467	12	100	0,320	25000	C-2F
3049467	14	40	0,150	5000	C-2F
3089467	14	80	0,480	5000	C-2V
3099467	14	100	0,300	15000	C-2F
3509467	18	40	0,150	5000	C-2F
4849467	24-30	25	0,150	5000	C-2F
4989467	24-30	40	0,200	10000	C-2F
6069467	24-30	60	0,340	25000	C-2F
5149467	24-30	80	0,800	10000	C-2F
6049467	36	20	0,080	10000	CC-2F
6849467	48-60	40	0,500	10000	CC-2F
8069467	48-60	20	0,300	10000	CC-2F
8129468	48-60	30	0,600	10000	CC-2F



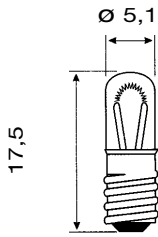
Midget Grooved M.G. T1 3/4 tubular 6 x 16 mm

0499557	2.5	350	0,200	10000	C-2R
0709557	3	190	0,200	5000	C-2R
1119557	5	15	0,020	10000	C-2R
1159557	5	30	0,020	10000	C-2R
1199557	5	60	0,050	25000	C-2R
1449557	6	40	0,040	10000	C-2V
1579556	6	200	0,340	5000	C-2R
1669556	6	125	0,350	10000	C-2R
1929557	6,3	40	0,030	10000	C-2V
1949557	6,3	75	0,230	5000	C-2R
2029557	6,3	200	0,550	10000	C-2R
2489557	10	15	0,006	10000	C-2F
2579557	10	40	0,080	5000	C-2F
2729557	12	40	0,150	5000	C-2V
2749556	12	40	0,088	10000	C-2F
2809556	12	75	0,200	10000	C-2F
3089556	14	80	0,500	5000	C-2V
3119556	14	80	0,300	15000	C-2F
3519556	18	40	0,150	10000	C-2F
4849556	24-30	25	0,080	15000	C-2F
4989556	24-30	40	0,200	10000	C-2F
5069556	24-30	65	0,340	25000	C-2F
6049556	36	20	0,103	10000	CC-2F
6069556	36	30	0,125	5000	CC-2F
8069556	48-60	20	0,150	5000	CC-2F
8129556	48-60	30	0,600	5000	CC-2F
8559556	70	20	0,580	5000	CC-2F



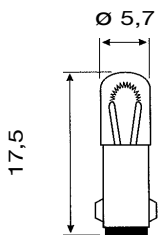
E-5 T1 3/4 tubular 5,1 x 17,5 mm

0209108	1,35	60	0,010	5000	C-2R
0139107	1,5	75	0,040	5000	C-2R
0219107	1,5	110	0,020	5000	C-2R
0429008	2	120	LENS	5000	C-2R
0529008	2,2	250	LENS	5000	C-2R
0499108	2,5	350	0,200	15000	C-2R
0609108	3	15	0,003	10000	C-2R
0979107	4,5	60	0,070	5000	C-2R
1199108	5	60	0,050	25000	C-2R
1259108	5	115	0,150	40000	C-2R
1439107	6	40	0,040	5000	C-2R
1489107	6	60	0,080	5000	C-2R
1539107	6	100	0,125	5000	C-2R
1579108	6	200	0,340	5000	C-2R
1949108	6,3	75	0,220	5000	C-2R
2029108	6,3	200	0,550	10000	C-2R
2159107	6,5	150	0,500	5000	C-2R
2439107	8	150	0,088	5000	C-2R
2489108	10	15	0,006	10000	C-2F
2719107	12	40	0,088	10000	C-2F
2799107	12	60	0,150	5000	C-2V
2819107	12	80	0,160	5000	C-2V



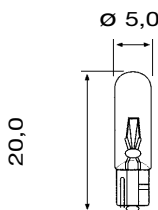
E-5 T1 3/4 tubular 5,1 x 17,5 mm

Art. nr.	Dimensions mm	Volt	mA	Watt	MSCP _{±25%}	Life hours	Filament
2839107	12	100			0,300	5000	C-2V
2849107	12	120			0,385	5000	C-2V
3049107	14	40			0,160	5000	C-2F
3059107	14	50			0,240	5000	C-2F
3089107	14	80			0,300	5000	C-2F
3169107	14	100			0,600	5000	C-2F
3509107	18	40			0,150	5000	C-2F
3569107	19	50			0,200	5000	C-2F
4969108	24-30	40			0,300	7000	C-2F
5149107	24-30	80			0,500	7000	C-2F
6049107	36	20			0,080	5000	C-2F
8069107	48-60	20			0,150	5000	CC-2F



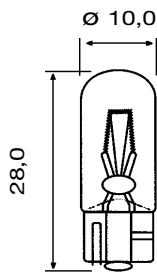
Ba5s T1 3/4 tubular 5,7 x 17,5 mm

Art. nr.	Dimensions mm	Volt	mA	Watt	MSCP _{±25%}	Life hours	Filament
3119805	14	80			0,300	15000	C-2F
4968505	24-30	40			0,300	7000	C-2F
5689805	32	33			0,100	5000	C-2F
8089805	48-60	20			0,150	5000	CC-2F



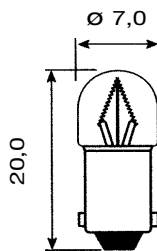
Wedgebase Lamps T5 W2x4,6d tubular 5 x 20 mm

Art. nr.	Dimensions mm	Volt	mA	Watt	MSCP _{±25%}	Life hours	Filament
1402246	6-7	30			0,020	5000	C-2V
1412246	6-7	80			0,120	5000	C-2V
1462246	6	50			0,045	5000	C-2V
1572246	6-7	170			0,280	5000	C-2R
1592246	6	80			0,012	5000	C-2V
1912246	6,3	40			0,030	10000	C-2V
2672246	12-15	30			0,058	5000	C-2V
2812246	12-15	85			0,080	10000	C-2V
2832246	12-15	100			0,320	10000	C-2V
5272246	24-30	30			0,160	5000	C-2F
5282246	24-30	40			0,280	5000	C-2F



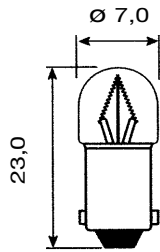
Wedgebase Lamps T10 W2,1x9,5d tubular 10 x 28 mm

1532295	6-7	100	0,65	10000	C-2V
1592295	6-7	300	1,95	10000	C-2V
1972295	6,3	150	1,00	10000	C-2V
2042295	6,3	250	1,60	10000	C-2V
2812295	12-15	83	1,00	5000	C-2V
2832295	12	100	1,20	5000	C-2V
2852295	12	125	1,50	5000	C-2V
2862295	12	183	2,20	5000	C-2V
2872295	12-15	170	2,00	5000	C-2V
2892295	12	220	2,60	5000	C-2F
2912295	12-15	220	3,00	5000	C-2F
2932295	12-15	370	5,00	5000	C-2F
4002295	24-30	40	1,00	5000	C-2V
4132295	24-30	80	2,00	5000	C-2F
4302295	24-30	125	3,00	5000	C-2F
4362295	24-30	208	5,00	5000	C-2F
4442295	24-30	415	10,00	5000	C-2F
5102295	24-30	60	1,68	10000	C-2F
5602295	32	64	2,00	5000	C-2F
6822295	48-30	40	2,00	10000	C-2F



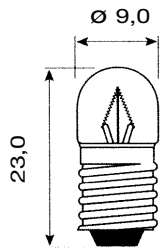
Ba7s tubular T 7 x 20 mm

1072007	4,5	200	0,90	2000	C-2V
1432007	6	40	0,24	2000	C-2V
1462007	6	50	0,30	2000	C-2V
1522007	6	80	0,48	2000	C-2V
1532007	6	100	0,60	2000	C-2V
1572007	6	200	1,20	2000	C-2R
1602007	6	333	2,00	2000	C-2R
2272007	7	100	0,70	2000	C-2R
2752007	12	50	0,60	2000	C-2V
2832007	12	100	1,20	2000	C-2V
2872007	12	170	2,00	2000	C-2V
3112007	14	80	1,12	2000	C-2V
3162007	14	100	1,40	2000	C-2V
4222007	24-30	100	2,40	2000	C-2F
4302007	24-30	125	3,00	2000	C-2F
5362007	24-30	20	0,60	2000	C-2F
5402007	24-30	50	1,50	2000	C-2F
5462007	24-30	70	2,10	2000	C-2F
6042007	36	20	0,72	2000	C-2F
6102007	36	50	1,80	2000	C-2F
8062007	48-60	20	1,20	2000	C-2F
8102007	48-60	30	1,50	2000	C-2F
8182007	48-60	40	2,40	2000	C-2F



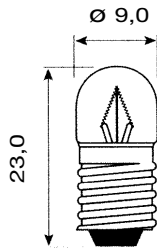
Ba7s tubular T 7 x 23 mm

1432307	6	40	0,24	2000	C-2V
1462307	6	50	0,30	2000	C-2V
1522307	6	80	0,48	2000	C-2V
1532307	6	100	0,60	2000	C-2V
1572307	6	200	1,20	2000	C-2R
2272307	7	100	0,70	2000	C-2V
2752307	12	50	0,60	2000	C-2V
2832307	12	100	1,20	2000	C-2V
2872307	12	165	2,00	2000	C-2V
3112307	14	80	1,12	2000	C-2F
3862307	24-30	25	0,60	2000	C-2F
4222307	24-30	100	2,40	2000	C-2F
4302307	24-30	125	3,00	2000	C-2F
5402307	24-30	50	1,50	2000	C-2F
5462307	24-30	70	2,10	2000	C-2F
6042307	36	20	0,72	2000	C-2F
6102307	36	50	1,80	2000	CC-2F
8062307	48-60	20	1,20	2000	C-2F
8102307	48-60	30	1,50	2000	C-2F
8182307	48-60	40	2,40	2000	C-2F
8552307	70	20	1,40	2000	C-3A



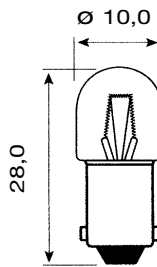
Ba9s tubular T 9 x 23 mm

0250909	2	200	0,40	2000	C-2R
0500909	2.4	1500	3,60	2000	C-2R
0800909	4	250	1,00	2000	C-2R
1460909	6	50	0,30	2000	C-2V
1530909	6	100	0,60	2000	C-2V
1550909	6	180	1,10	2000	C-2V
1570909	6	200	1,20	2000	C-2V
1610909	6	350	2,00	2000	C-2R
1640909	6	500	3,00	2000	C-2R
1690909	6	665	4,00	2000	C-2R
1720909	6	1000	6,00	2000	C-2R
1960909	6.3	150	0,95	2000	C-2V
2040909	6.3	250	1,60	2000	C-2R
2660909	12-15	20	0,24	2000	C-2V
2750909	12-15	50	0,60	2000	C-2V
2830909	12-15	100	1,20	2000	C-2F
2840909	12-15	120	1,40	2000	C-2V
2870909	12-15	165	2,00	2000	C-2V
2910909	12-15	250	3,00	2000	C-2R
3600909	18	100	1,80	2000	C-2V
4330909	24-30	165	4,00	2000	C-2F
4360909	24-30	210	5,00	2000	C-2F
5380909	24-30	40	1,20	2000	C-2F
5400909	24-30	50	1,50	2000	C-2F
5440909	24-30	70	2,00	2000	C-2F
5540909	24-30	100	3,00	2000	C-2F
6040909	36	33	1,20	2000	C-2F
6100909	36	50	1,80	2000	C-2F
6120909	36	56	2,00	2000	C-2F
6150909	36	85	3,00	2000	C-2F
6400909	42	45	2,00	2000	C-2F
6470909	42	70	3,00	2000	C-2F
8060909	48-60	25	1,20	2000	C-2F
8140909	48-60	40	2,40	2000	C-2F



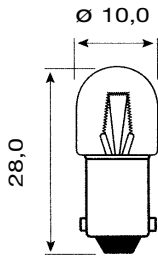
Ba9s tubular T 9 x 23 mm

8200909	48-60	60	3,00	2000	C-2F
8630909	80	20	1,60	2000	C-3A
9110909	110	20	2,20	2000	CC-6A
9270909	130	15	2,00	2000	C-5A
9310909	130	20	2,60	2000	C-5A
9430909	160	19	3,00	2000	C-5A
9580909	220	14	3,00	2000	CC-7A
9790909	240	10	2,40	2000	CC-7A



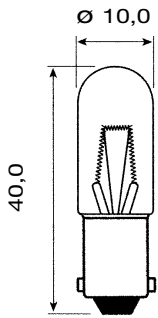
Ba9s tubular T 10 x 28 mm

0371009	2	60	0,12	2000	C-2R	
0471009	2,5	300	0,75	2000	C-2R	
0531009	2,5	500	1,25	2000	C-2R	
0601009	3	660	2,00	2000	C-2R	
0771009	3,5	200	0,70	2000	C-2R	
0881009	4	250	1,00	2000	C-2R	
0901009	4	500	2,00	2000	C-2R	
0951009	4,5	300	1,35	2000	C-2R	
1231009	5	90	0,45	2000	C-2R	
1461009	6	50	0,30	2000	C-2V	
1491009	6	75	0,45	2000	C-2R	
1531009	6	100	0,60	2000	C-2V	
1551009	6	180	1,10	2000	C-2V	
1571009	6	200	1,20	2000	C-2V	
1611009	6	350	2,00	2000	C-2R	
1641009	6	500	3,00	2000	C-2R	
1671009	6	666	4,00	2000	C-2R	
1701009	6	830	5,00	2000	C-2R	
1721009	6	1000	6,00	2000	C-2R	
1961009	6,3	150	1,00	2000	C-2R	
2041009	6,3	250	1,60	2000	C-2R	
2071009	6,3	320	2,00	2000	C-2R	
2271009	7	100	0,70	2000	C-2R	
2311009	7	300	2,10	2000	C-2R	
2401009	8	100	0,80	2000	C-2V	
2751009	12-15	50	0,60	2000	C-2V	
2831009	12-15	100	1,20	2000	C-2V	
2841009	12-15	120	1,40	2000	C-2V	
2871009	12-15	165	2,00	2000	C-2V	
2911009	12-15	250	3,00	2000	C-2R	
2921009	12-15	330	4,00	2000	C-2R	
3601009	18	100	1,80	2000	C-2V	
3621009	18	170	3,00	2000	C-2V	
3861009	24-30	25	0,60	2000	C-2F	
4331009	24-30	165	4,00	2000	C-2F	
5381009	24-30	40	1,20	2000	C-2F	
5401009	24-30	50	1,50	2000	C-2F	
5441009	24-30	80	2,00	normal quality	2000	C-2F
5481009	24-30	80	2,00	superior quality	5000	C-2F
5541009	24-30	100	3,00	2000	C-2F	
5791009	32	31	1,00	2000	C-2F	
6101009	36	50	1,80	2000	C-2F	
6161009	36	85	3,00	2000	C-2F	
6181009	36	100	3,60	2000	C-2F	
6371009	42	25	1,00	2000	C-2F	
6401009	42	45	2,00	2000	C-2F	
6941009	48-60	80	4,00	2000	C-2F	



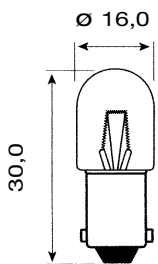
Ba9s tubular T 10 x 28 mm

7161009	50	50	2,50		2000	C-2F
8061009	48-60	20	1,20		2000	C-2F
8121009	48-60	30	1,80		2000	C-2F
8141009	48-60	40	2,40		2000	C-2F
8201009	48-60	50	3,00		2000	C-2F
8261009	48-60	85	5,00		2000	C-2F
8701009	80	25	2,00		2000	C-3A
9111009	110	20	2,20		2000	CC-6A
9271009	110	18	2,00		2000	C-5A
9311009	130	20	2,60	normal quality	2000	C-3A
9321009	130	20	2,60	superior quality	5000	C-5A
9331009	130	13	1,50		2000	CC-5A
9451009	160	20	3,20		2000	C-5A
9571009	220-260	10	2-3		2000	CC-7A
9581009	220	14	3,00		2000	CC-7A
9601009	220	23	5,00		2000	CC-7A
9791009	240	10	2,40		2000	CC-7A
9821009	240	16	4,00		2000	CC-7A



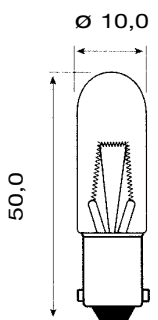
Ba9s tubular T 10 x 40 mm

5541109	24-30	100	3,00		2000	C-2F
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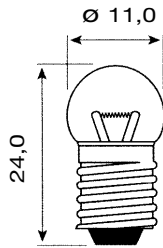
Ba9s tubular T 16 x 30 mm

9361109	110-130	50	6,00		2000	C-3A
9611109	220-240	25	6,00		2000	C-3A



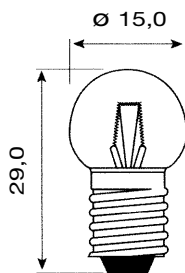
Ba9s tubular T 10 x 50 mm

9581119	220-240	14	3,00		2000	C-7A
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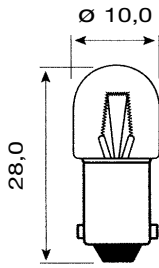
Ba9s ball lamps G 11 x 24 mm

0382409	2,4	1250	3,00	2000	C-2R
0442929	2,5	200	0,50	2000	C-2R
0472409	2,5	300	0,75	2000	C-2R
0772409	3,5	200	0,70	2000	C-2R
0892409	4	300	1,20	2000	C-2R
1042409	4,8	300	1,44	2000	C-2R
1462409	6	50	0,30	2000	C-2V
1522409	6	150	0,90	10000	C-2V
1532409	6	100	0,60	10000	C-2V
1552409	6	180	1,10	2000	C-2V
1612409	6	350	2,00	2000	C-2R
1642409	6	500	3,00	2000	C-2R
1702409	6	830	5,00	2000	C-2R
1722409	6	1000	6,00	2000	C-2R
2172409	6,5	300	2,00	2000	C-2R
2262409	7,5	220	1,70	2000	C-2R
2272409	7	100	0,70	2000	C-2V
2592409	8-10	50	0,45	2000	C-2V
2752409	12-15	50	0,60	2000	C-2V
2832409	12-15	100	1,20	2000	C-2V
2862409	12-15	185	2,20	2000	C-2R
2912409	12-15	250	3,00	2000	C-2R
3592409	18	100	1,80	2000	C-2V
4122409	24-30	80	2,00	2000	C-2F
4222409	24-30	100	2,40	2000	C-2F
5382409	24-30	40	1,20	2000	C-2F
5542409	24-30	100	3,00	2000	C-2F



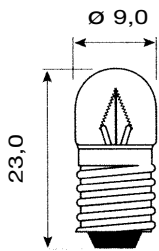
Ba9s ball lamps G 15 x 29 mm

0342909	2,4	500	1,20	2000	C-2R
0352909	2,4	1000	2,40	2000	C-2R
0382909	2,4	1250	3,00	2000	C-2R
0442909	2,5	500	1,25	2000	C-2R
1552909	6	180	1,10	2000	C-2V
1642909	6	500	3,00	2000	C-2R
1702909	6	830	5,00	2000	C-2R
1722909	6	1000	6,00	2000	C-2R
2072909	6,3	320	2,00	2000	C-2R
2280909	7	410	3,00	2000	C-2R
3202909	12-15	240	3,40	2000	C-2R
3222909	12-15	120	1,70	2000	C-2V
4032909	24-30	50	1,20	2000	C-2F
4302909	24-30	125	3,00	2000	C-2F
4332909	24-30	165	4,00	2000	C-2F
5602909	24-30	165	5,00	2000	C-2F
6962909	48-60	105	5,00	2000	C-2F



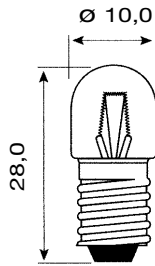
Ba10s lamps tubular T 10 x 28 mm

2911075	12-15	250	3,00	2000	C-2V
5541075	24-30	100	3,00	2000	C-2F
6901075	48-60	60	3,00	2000	CC-2F



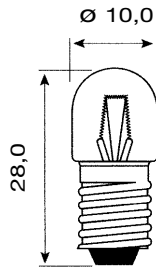
E-10 lamps tubular T 9 x 23 mm

0270910	2,2	400	0,90	2000	C-2R
0440910	2,5	200	0,50	2000	C-2R
0470910	2,5	300	0,75	2000	C-2R
0040910	3,3	300	1,00	2000	C-2R
0050910	3,7	300	1,10	2000	C-2R
0880910	4	250	1,00	2000	C-2R
1460910	6	50	0,30	2000	C-2V
1530910	6	100	0,60	2000	C-2V
1550910	6	180	1,10	2000	C-2V
1570910	6	200	1,20	2000	C-2V
1600910	6	250	1,50	2000	C-2R
1610910	6	350	2,10	2000	C-2R
1640910	6	500	3,00	2000	C-2R
1970910	6,3	160	1,00	2000	C-2V
2660910	12-15	20	0,25	2000	C-2V
2750910	12-15	50	0,60	2000	C-2V
2830910	12-15	100	1,20	2000	C-2V
2840910	12-15	120	1,45	2000	C-2V
2870910	12-15	165	2,00	2000	C-2V
2910910	12-15	250	3,00	2000	C-2R
3600910	18	100	1,80	2000	C-2V
5380910	24-30	50	1,20	2000	C-2F
5440910	24-30	80	2,00	2000	C-2F
5540910	24-30	100	3,00	2000	C-2F
6100910	36	50	1,80	2000	C-2F
6140910	36	85	3,00	2000	C-2F
8060910	48-60	20	1,20	2000	C-2F
8130910	48-60	33	2,00	2000	C-2F
8140910	48-60	40	2,40	2000	C-2F
8200910	48-60	60	3,00	2000	C-2F
8630910	80	20	1,60	2000	C-3A
9100910	110	18	2,00	2000	C-5A
9320910	130	20	2,60	2000	CC-6A
9580910	220	14	3,00	2000	CC-7A
9780910	240	17	4,00	2000	CC-7A



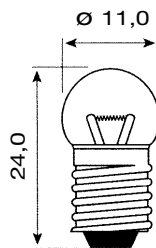
E-10 lamps tubular T 10 x 28 mm

0331010	1,5	500	0,75	2000	C-2R
0471010	2,5	300	0,75	2000	C-2R
0531010	2,5	500	1,25	2000	C-2R
0541010	2,5	1000	2,50	2000	C-2R
0771010	3,5	200	0,70	2000	C-2R
0781010	3,5	230	0,80	2000	C-2R
0881010	4	250	1,00	2000	C-2R
0891010	4	300	1,20	2000	C-2R
0901010	4	500	2,00	2000	C-2R
0951010	4,5	300	1,35	2000	C-2R
1241010	5	90	0,45	2000	C-2R
1461010	6	50	0,30	2000	C-2V
1531010	6	100	0,60	2000	C-2V
1551010	6	180	1,10	2000	C-2V
1611010	6	350	2,10	2000	C-2R
1641010	6	500	3,00	2000	C-2R
1671010	6	700	4,20	2000	C-2R
1701010	6	830	5,00	2000	C-2R
1721010	6	1000	6,00	2000	C-2R
1851010	6,3	44	0,28	2000	C-2V
1951010	6,3	100	0,63	2000	C-2V
1961010	6,3	150	0,95	5000	C-2V
2041010	6,3	250	1,58	5000	C-2R
2061010	6,3	300	1,89	2000	C-2R
2071010	6,3	320	2,00	5000	C-2R
2151010	6,5	300	1,95	4000	C-2R
2271010	7	100	0,70	3000	C-2V
2311010	7	300	2,10	5000	C-2R
2401010	8	100	0,80	2000	C-2V
2431010	8	150	1,20	2000	C-2R
2451010	8	250	2,00	2000	C-2V
2461010	8	375	3,00	2000	C-2R
2601010	10	50	0,50	2000	C-2V
2621010	10	200	2,00	5000	C-2V
2661010	12-15	20	0,25	2000	C-2V
2751010	12-15	50	0,60	2000	C-2V
2831010	12-15	100	1,20	5000	C-2V
2841010	12-15	120	1,45	2000	C-2V
2871010	12-15	165	2,00	3000	C-2V
2911010	12-15	250	3,00	2000	C-2R
2931010	12-15	415	5,00	2000	C-2R
3601010	18	100	1,80	5000	C-2V
3621010	18	170	3,00	2000	C-2V
3671010	19	40	0,75	2000	C-2V
5381010	24-30	50	1,20	2000	C-2F
5401010	24-30	60	1,50	2000	C-2F
5441010	24-30	80	2,00	2000	C-2F
5541010	24-30	100	3,00	2000	C-2F
5601010	24-30	165	5,00	2000	C-2F
6041010	36	33	1,20	2000	C-2F
6101010	36	50	1,80	2000	C-2F
6161010	36	85	3,00	2000	C-2F
6401010	42	45	2,00	2000	C-2F
6471010	42	70	3,00	2000	C-2F
6511010	42	120	5,00	2000	C-2F
6961010	48-60	105	5,00	2000	C-2F
8061010	48-60	20	1,20	2000	C-2F
8121010	48-60	30	1,80	2000	C-2F



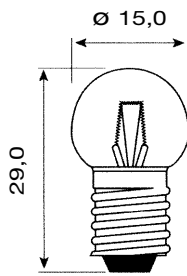
E-10 lamps tubular T 10 x 28 mm

8141010	48-60	40	2,40	2000	C-2F
8201010	48-60	50	3,00	2000	C-2F
8241010	48-60	70	4,20	2000	C-2F
8261010	48-60	85	5,00	2000	C-2F
8551010	70	20	1,40	2000	C-2F
8621010	80	35	3,00	2000	C-3A
9271010	110	18	2,00	2000	C-5A
9281010	130	15	2,00	2000	C-5A
9311010	130	20	2,60	2000	C-5A
9321010	130	20	2,60	2000	CC-6A
9461010	160	20	3,20	2000	CC-6A
9571010	220-260	10	2-3	2000	CC-7A
9581010	220	14	3,00	2000	CC-7A
9601010	220	23	5,00	2000	CC-6A
9791010	240	10	2,40	2000	CC-7A



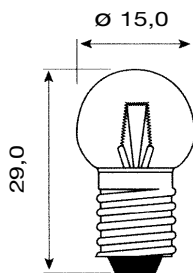
E-10 ball lamps G 11 x 24 mm

0152410	1,3	100	0,13	2000	C-2R
0092410	1,5	300	0,45	2000	C-2R
0172410	1,5	150	0,23	2000	C-2R
0212410	1,5	90	0,13	2000	C-2R
0412410	2,5	100	0,25	2000	C-2R
0432410	2,5	60	0,15	2000	C-2R
0442410	2,5	200	0,50	2000	C-2R
0472410	2,5	300	0,75	2000	C-2R
0772410	3,5	200	0,70	2000	C-2R
0782410	3,5	300	1,05	2000	C-2R
0792410	3,8	70	0,27	2000	C-2R
0802410	3,8	300	1,14	2000	C-2R
0862410	4	40	0,16	2000	C-2R
0892410	4	300	1,20	2000	C-2R
0902410	4	500	2,00	2000	C-2R
1432410	6	40	0,24	2000	C-2R
1472410	6	50	0,30	2000	C-2V
1482410	6	60	0,36	2000	C-2R
1532410	6	100	0,60	2000	C-2V
1552410	6	180	1,08	2000	C-2V
1612410	6	350	2,10	2000	C-2R
1642410	6	500	3,00	2000	C-2R
1832410	6,2	300	1,85	2000	C-2R
1922410	6,3	44	0,28	2000	C-2V
1962410	6,3	150	0,94	2000	C-2V
2042410	6,3	250	1,60	2000	C-2R
2172410	6,5	300	1,95	2000	C-2R
2592410	8-10	40	0,48	2000	C-2V
2642410	8	50	0,45	2000	C-2V
2472410	12-15	250	2,00	2000	C-2V
2752410	12-15	50	0,60	2000	C-2V
2832410	12-15	100	1,20	2000	C-2V
2862410	12-15	185	2,20	2000	C-2V
2912410	12-15	250	3,00	2000	C-2R
2932410	12-15	400	4,80	2000	C-2R
3602410	18	100	1,80	2000	C-2V
4032410	24-30	50	1,20	2000	C-2F
4122410	24-30	80	2,00	2000	C-2F
4222410	24-30	100	2,40	2000	C-2F
4362410	24-30	210	5,00	2000	C-2F
5542410	24-30	100	3,00	2000	C-2F



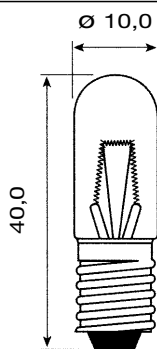
E-10 ball lamps G 15 x 29 mm

0312910	2,4	800	1,92	2000	C-2R
0322910	2,4	625	1,50	2000	C-2R
0352910	2,4	1000	2,40	2000	C-2R
0372910	2,4	1250	2,50	2000	C-2R
0362910	2,5	1000	3,00	2000	C-2R
0532910	2,5	500	1,25	2000	C-2R
0562910	2,6	270	0,70	2000	C-2R
0932910	4	700	2,80	2000	C-2R
1062910	4,9	300	1,50	2000	C-2R
1082910	5	150	0,75	2000	C-2R
1622910	6	450	2,70	2000	C-2R
1642910	6	500	3,00	2000	C-2R
1702910	6	830	5,00	2000	C-2R
1722910	6	1000	6,00	2000	C-2R
2042910	6,3	250	1,60	2000	C-2R
2472910	8	450	3,60	2000	C-2R
2782910	10	360	3,60	2000	C-2R
2802910	10	450	4,50	2000	C-2V
2832910	12-15	100	1,20	2000	C-2V
2932910	12-15	410	5,00	2000	C-2R
2942910	12-15	450	5,40	2000	C-2R
2952910	12-15	500	6,00	2000	C-2R
3672910	19	40	0,76	2000	C-2V
4302910	24-30	125	3,00	2000	C-2F
5602910	24-30	165	5,00	2000	C-2F
6472910	42	70	3,00	2000	C-2F
8262910	48-60	85	5,00	2000	C-2F



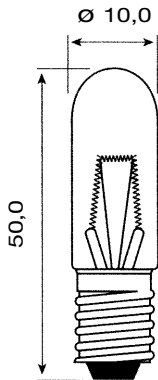
E-10 ball lamps XENON gas filled G 15 x 29 mm

0382990	2,4	1250	3,00	2000	C-2R
0732990	3,6	600	2,16	2000	C-2R
0752990	3,6	1000	3,60	2000	C-2R
0792990	3,75	900	3,37	2000	C-2R
0942990	4	550	2,20	2000	C-2R
0962990	4	800	3,20	2000	C-2R
1632990	6	450	2,70	2000	C-2R
1692990	6	900	5,40	2000	C-2R



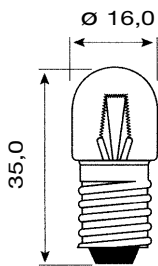
E-10 tubular lamps T 10 x 40 mm

5541110	24-30	3,00	2000	C-2F
8121110	48-60	1,80	2000	C-2F
8201110	48-60	3,00	2000	C-2F
8261110	48-60	5,00	2000	C-2F
9471110	110-160	4,00	2000	C-5A
9591110	220-240	4,00	2000	C-7A
9611110	220-240	6,00	2000	C-7A



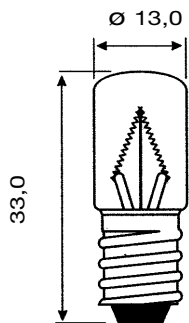
E-10 tubular lamps T 10 x 50 mm

Art. nr.	Dimensions mm	Volt	mA	Watt	MSCP _{±25%}	Life hours	Filament
5541120	24-30	100	3,00		2000	C-2F	
8201120	48-60	50	3,00		2000	C-2F	
9471120	110-160	25	4,00		2000	C-5A	
9591120	220-240	18	4,00		2000	C-7A	



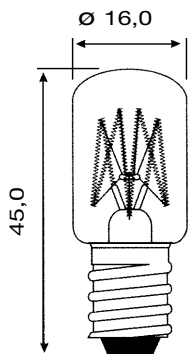
E-10 tubular lamps T 16 x 35 mm

Art. nr.	Dimensions mm	Volt	mA	Watt	MSCP _{±25%}	Life hours	Filament
9621510	220-260	25	5-7		2000	CC-7A	



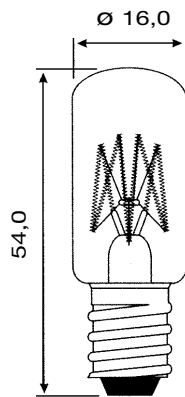
E-12 tubular lamps T 13 x 33 mm

Art. nr.	Dimensions mm	Volt	mA	Watt	MSCP _{±25%}	Life hours	Filament
3611312	18	110	2,00		2000	C-2V	
5101312	24-30	70	2,00		2000	C-2V	
5161312	24-30	107	3,00		2000	C-2V	
9101312	110-130	45	5,00		2000	C-5A	
9201312	110-130	27	3,00		2000	C-5A	
9581312	220-240	23	5,00		2000	C-5A	



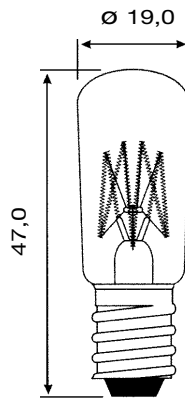
E-12 tubular lamps T 16 x 45 mm

Art. nr.	Dimensions mm	Volt	mA	Watt	MSCP _{±25%}	Life hours	Filament
1641712	6	500	3,00		2000	C-2R	
5601712	24-30	166	5,00		2000	C-2V	
8261712	48-60	83	5,00		2000	C-3A	
9181712	110-140	64	6-10		2000	C-5A	
9351712	110-130	38	5,00		2000	C-5A	
9621712	220-260	25	5-7		2000	C-7A	
9641712	220-260	33	6-10		2000	C-7A	



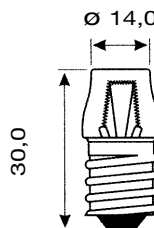
E-12 tubular lamps T 16 x 54 mm

4701612	24-30	300	6-10	2000	C-2V
8401612	65-95	100	6-10	2000	C-3A
9181612	110-140	64	6-10	2000	C-5A
9601612	220-260	21	3-5	2000	C-7A
9621612	220-260	25	5-7	2000	C-7A
9641612	220-260	33	6-10	2000	C-7A



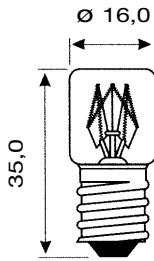
E-12 tubular lamps T 19 x 47 mm

5141812	110-130		6,00	2000	C-7A
5201812	220-260		6,00	2000	C-7A
9661812	220-260		10,00	2000	C-7A



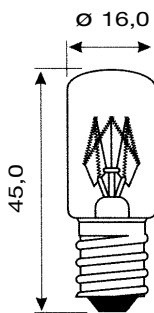
E-14 tubular lamps T 14 x 30 mm

0871414	4	250	1,00	2000	C-2R
1551414	6	180	1,08	2000	C-2V
1641414	6	500	3,00	2000	C-2R
1701414	6	850	5,00	2000	C-2R
2841414	12-15	120	1,44	2000	C-2V
2871414	12-15	165	2,00	2000	C-2V
2911414	12-15	250	3,00	2000	C-2V
2931414	12-15	410	5,00	2000	C-2R
4001414	24-30	40	1,00	2000	C-2F
4321414	24-30	165	4,00	2000	C-2F
4361414	24-30	210	5,00	2000	C-2F
5501414	24-30	80	2,40	2000	C-2F
5541414	24-30	100	3,00	2000	C-2F
6101414	36	55	2,00	2000	C-2F
6161414	36	80	3,00	2000	C-2F
6241414	36	140	5,00	2000	C-2F
6461414	42	70	3,00	2000	C-2F
6511414	42	120	5,00	2000	C-2F
6961414	48-60	105	5,00	2000	C-2F
8061414	48-60	20	1,20	2000	C-2F
8141414	48-60	40	2,40	2000	C-2F
8201414	48-60	50	3,00	2000	C-2F
8261414	48-60	85	5,00	2000	C-2F
8621414	80	35	3,00	2000	C-3A
9311414	130	20	2,60	2000	C-5A
9361414	110-130	40	5,00	2000	C-5A
9591414	220-260	13	3-5	2000	C-7A
9621414	220-260	25	5-7	2000	C-7A



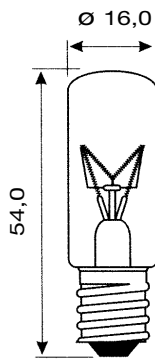
E-14 tubular lamps T 16 x 35 mm

1551514	6	166	1,00	2000	C-2R
1701514	6	833	5,00	2000	C-2R
2871514	12-15	166	2,00	2000	C-2V
2911514	12-15	250	3,00	2000	C-2R
2931514	12-15	416	5,00	2000	C-2R
4121514	24-30	83	2,00	2000	C-2V
4331514	24-30	166	4,00	2000	C-2V
5541514	24-30	100	3,00	2000	C-2V
5601514	24-30	186	5,00	2000	C-2V
6161514	36	83	3,00	2000	C-2F
6391514	36	138	5,00	2000	C-2F
6511514	42	120	5,00	2000	C-2F
6901514	48-60	62	3,00	2000	C-3A
8141514	48-60	33	2,00	2000	C-3A
8261514	48-60	83	5,00	2000	C-3A
9301514	110-130	20	2,60	2000	C-5A
9351514	110-130	38	5,00	2000	C-5A
9391514	110-130	115	15,00	2000	C-5A
9421514	110-140	50	7,00	2000	C-5A
9441514	110-160	31	5,00	2000	C-5A
9581514	220-260	16	3-5	2000	C-7A
9621514	220-260	25	5-7	2000	C-7A
9651514	220-260	33	6-10	2000	C-7A
9821514	300	16	5,00	2000	CC-7A
9841514	300	33	10,00	2000	CC-7A



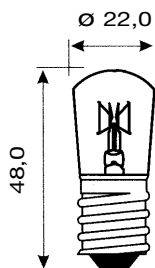
E-14 tubular lamps T 16 x 45 mm

1701714	6	5,00	2000	C-2R
4301714	24-30	3,00	2000	C-2V
4431714	24-30	10,00	2000	C-2V
4481714	24-30	15,00	2000	C-2V
4701714	24-30	6-10	2000	C-2V
5601714	24-30	5,00	2000	C-2V
6231714	36	5,00	2000	C-2F
6501714	42	5,00	2000	C-2F
8261714	48-60	5,00	2000	C-3A
8301714	48-60	8,00	2000	C-3A
8321714	48-60	10,00	2000	C-3A
9441714	110-160	6-10	2000	C-5A
9521714	110-160	10-15	2000	C-5A
9621714	220-260	5-7	2000	C-7A
9641714	220-260	6-10	2000	C-7A
9681714	220-260	10-15	2000	C-7A
9821714	300	6-10	2000	CC-7A
9841714	300	10-15	2000	CC-7A
9881714	380	10,00	2000	CC-7A



E-14 tubular lamps T 16 x 54 mm

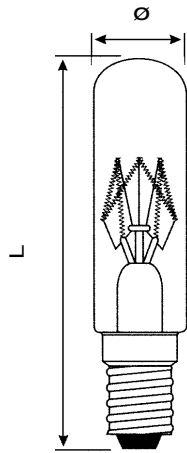
0921614	4	5,00	2000	C-2R
1631614	6	3,00	2000	C-2R
1701614	6	5,00	2000	C-2R
2921614	12-15	4,00	2000	C-2R
2931614	12-15	5,00	2000	C-2R
2961614	12-15	10,00	2000	C-2R
2981614	12-15	15,00	2000	C-2R
4121614	24-30	2,00	2000	C-2V
4331614	24-30	4,00	2000	C-2V
4431614	24-30	10,00	2000	C-2V
4481614	24-30	15,00	2000	C-2V
4701614	24-30	6-10	2000	C-2V
5541614	24-30	3,00	2000	C-2V
5601614	24-30	5,00	2000	C-2V
6241614	36	5,00	2000	C-2F
6471614	42	3,00	2000	C-2F
6511614	42	5,00	2000	C-2F
6591614	42	15,00	2000	C-2F
8241614	48-60	4,00	2000	C-3A
8261614	48-60	5,00	2000	C-3A
8321614	48-60	10,00	2000	C-3A
8401614	65-95	6-10	2000	C-3A
8451614	65-95	10-15	2000	C-3A
9151614	110-140	5-7	2000	C-5A
9181614	110-140	6-10	2000	C-5A
9351614	110-130	5,00	2000	C-5A
9411614	110-130	15,00	2000	C-5A
9461614	160	3,00	2000	C-5A
9581614	220-260	3-5	2000	C-7A
9621614	220-260	5-7	2000	C-7A
9641614	220-260	6-10	2000	C-7A
9681614	220-260	10-15	2000	C-7A
9721614	220	15,00	2000	C-7A
9881614	380	10,00	2000	CC-7A



E-14 tubular lamps Pigmy shaped T 22 x 48 mm

2932114	12	5,00	2000	C-2R
2962114	12	10,00	2000	C-2R
2982114	12	15,00	2000	C-2V
4362114	24-30	5,00	2000	C-2V
4432114	24-30	10,00	2000	C-2V
4482114	24-30	15,00	2000	C-2V
6512114	42	5,00	2000	C-3A
8342114	48-60	15,00	2000	C-3A
9352114	110-130	5,00	2000	C-5A
9392114	110-130	10,00	2000	C-5A
9412114	110-130	15,00	2000	C-5A
9602114	230-240	10,00	2000	C-7A
9622114	220-260	5-7	2000	C-7A
9642114	220-260	6-10	2000	C-7A
9682114	220-260	10-15	2000	C-7A
9752114	220-260	15-25	2000	C-7A
9902114	Ovenlamp 235*	15,00	2000	C-7A

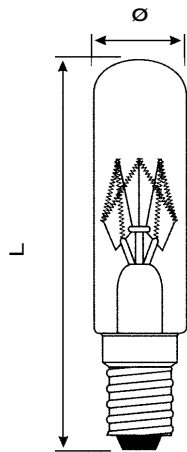
* Lamp made for high temperature resistance, i.c. 300° Celsius



E-14 tubular lamps different specific sizes

9762746	25 x 65	220-260	40,00	2000	C-7A
9742748	28 x 72	220-260	25,00	2000	C-5A
9752748*	28 x 72	220-260	25,00	2000	C-5A
1002761	27 x 70	110-160	40,00	2000	C-5A
1102787	30 x 90	220-260	40,00	2000	C-7A

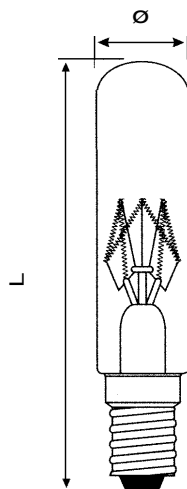
* frosted lamptype



E-14 tubular lamps T 20/25 x 80/85 mm

0082782	20 x 80	24-30	15,00	2000	C-2V
0092782	25 x 85	24-30	25,00	2000	C-2V
0102782	25 x 80	24-30	40,00	2000	C-2V
0202782	25 x 85	110-130	25,00	2000	C-3A
0802783	25 x 85	110-130	40,00	2000	C-3A
0502745	20 x 80	110-130	15,00	2000	C-3A
9722781	20 x 80	220-260	15,00	2000	C-5A
9712783*	25 x 85	220-260	15,00	2000	C-5A
9742783	25 x 85	220-260	25,00	2000	C-5A
9752783*	25 x 85	220-260	25,00	2000	C-5A

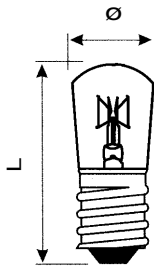
* frosted lamptype



E-14 tubular lamps T 20/28 x 110/115 mm

0502771	28 x 115	110-130	25,00	2000	C-5A
0502775*	28 x 110	110-130	25,00	2000	C-5A
0602775	28 x 110	110-130	40,00	2000	C-5A
9742772	20 x 115	220-260	25,00	2000	C-5A
0992775	28 x 110	220-260	25,00	2000	C-7A
1002775*	28 x 110	220-260	25,00	2000	C-7A

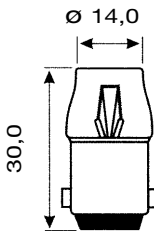
* frosted lamptype



E-14 tubular lamps Pigmy shaped T 26/28 x 58/64/66 mm

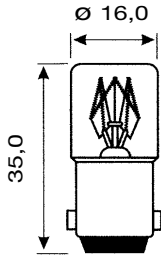
2982814	28 x 64	12	5,00	2000	C-2V
3002814	28 x 64	12	5,00	2000	C-2V
3202814	28 x 66	12	0,00	2000	C-2V
4432814	28 x 64	24-30	0,00	2000	C-2F
0202814	28 x 66	24-30	5,00	2000	C-2V
0252814	28 x 66	24-30	25,00	2000	C-2V
0602814	26 x 58	110-130	25,00	2000	C-3A
0652814	26 x 58	110-130	40,00	2000	C-5A
9652814	26 x 58	220-260	6-10	2000	C-5A
9722814	26 x 58	230-240	15,00	2000	C-7A
9742814	26 x 58	230-240	25,00	2000	C-7A
9762814*	28 x 64	230-240	15,00	2000	C-7A
9782814*	28 x 64	230-240	25,00	2000	C-7A

* frosted lamptype



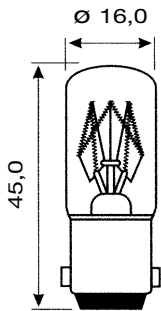
Ba15d tubular lamps T 14 x 30 mm

1551415	6	180	1,08	2000	C-2V
2841415	12	120	1,44	2000	C-2V
2911415	12	250	3,00	2000	C-2V
2931415	12	410	5,00	2000	C-2R
4121415	24-30	80	2,00	2000	C-2F
5541415	24-30	100	3,00	2000	C-2F
5601415	24-30	83	5,00	2000	C-2V
6821415	48-60	40	2,00	2000	C-2F
8061415	48-60	20	1,20	2000	C-2F
8201415	48-60	50	3,00	2000	C-2F
9311415	110-130	20	2,60	2000	C-5A
9361415	110-130	40	5,00	2000	C-5A
9591415	220-260	13	3-5	2000	C-7A
9611415	220-260	23	5-7	2000	C-7A



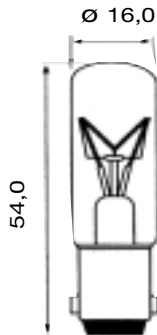
Ba15d tubular lamps T 16 x 35 mm

1641515	6	3,00	2000	C-2R
1701515	6	5,00	2000	C-2R
2871515	12	2,00	2000	C-2V
2911515	12	3,00	2000	C-2R
2931515	12	5,00	2000	C-2R
4121515	24-30	2,00	2000	C-2V
5541515	24-30	3,00	2000	C-2V
5601515	24-30	5,00	2000	C-2V
6161515	36	3,00	2000	C-2F
6391515	36	5,00	2000	C-2F
8141515	48-60	2,00	2000	C-3A
8201515	48-60	3,00	2000	C-3A
8261515	48-60	5,00	2000	C-3A
9421515	110-160	7-10	2000	C-5A
9441515	110-160	5,00	2000	C-5A
9581515	220-260	3-5	2000	C-7A
9621515	220-260	5-7	2000	C-7A
9651515	220-260	6-10	2000	C-7A
9821515	300	6-10	2000	CC-7A
9841515	300	10-15	2000	CC-7A



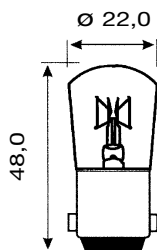
Ba15d tubular lamps T 16 x 45 mm

1641715	6	3,00	2000	C-2R
1701715	6	5,00	2000	C-2R
2921715	12	4,00	2000	C-2R
2931715	12	5,00	2000	C-2R
2981715	12	15,00	2000	C-2R
4301715	24-30	3-5	2000	C-2V
4431715	24-30	10-15	2000	C-2V
4481715	24-30	15,00	2000	C-2V
4701715	24-30	6-10	2000	C-2V
5601715	24-30	5-7	2000	C-2V
6511715	42	5,00	2000	C-2F
7041715	48-60	10,00	2000	C-3A
8261715	48-60	5,00	2000	C-3A
8401715	65-95	6-10	2000	C-3A
9401715	110-160	10-15	2000	C-5A
9421715	110-160	5-7	2000	C-5A
9441715	110-160	3-5	2000	C-5A
9521715	110-160	6-10	2000	C-5A
9621715	220-260	5-7	2000	C-7A
9641715	220-260	6-10	2000	C-7A
9821715	300	6-10	2000	CC-7A
9841715	300	10-15	2000	CC-7A
9881715	380	10,00	2000	CC-7A



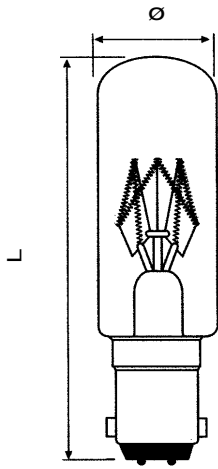
Ba15d tubular lamps T 16 x 54 mm

1641615	6	3,00	2000	C-2R
1701615	6	5,00	2000	C-2R
2921615	12	4,00	2000	C-2R
2931615	12	5,00	2000	C-2R
2961615	12	10,00	2000	C-2R
2981615	12	15,00	2000	C-2R
4121615	24-30	2,00	2000	C-2V
4301615	24-30	3-5	2000	C-2V
4431615	24-30	10-15	2000	C-2V
4481615	24-30	15,00	2000	C-2V
4701615	24-30	6-10	2000	C-2V
5601615	24-30	5-7	2000	C-2V
6241615	36	5,00	2000	C-2F
6471615	42	3,00	2000	C-2F
6511615	42	5,00	2000	C-2F
7061615	48-60	15,00	2000	C-3A
8261615	48-60	6-10	2000	C-3A
8321615	48-60	10-15	2000	C-3A
8401615	65-95	6-10	2000	C-5A
9181615	110-140	6-10	2000	C-5A
9351615	110-140	5-7	2000	C-5A
9521615	160	10-15	2000	C-7A
9581615	220-260	3-5	2000	C-7A
9621615	220-260	5-7	2000	C-7A
9641615	220-260	6-10	2000	C-7A
9681615	220-260	10-15	2000	C-7A
9721615	220-260	15,00	2000	C-7A
9881615	380	10,00	2000	CC-7A



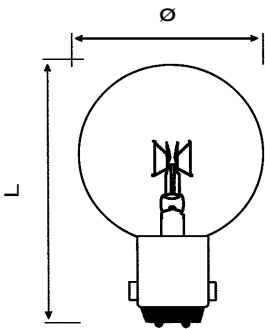
Ba15d tubular lamps Pigmy shaped T 22 x 48 mm

2932115	12	5,00	2000	C-2R
2962115	12	10,00	2000	C-2R
2982115	12	15,00	2000	C-2R
4362115	24-30	5,00	2000	C-2V
4392115	24-30	7,00	2000	C-2V
4432115	24-30	10,00	2000	C-2V
4482115	24-30	15,00	2000	C-2V
6512115	42	5,00	2000	C-2V
7162115	48-60	10,00	2000	C-3A
8262115	48-60	5,00	2000	C-3A
9352115	110-130	5,00	2000	C-5A
9392115	110-130	10,00	2000	C-5A
9412115	110-130	15,00	2000	C-5A
9622115	220-260	5-7	2000	C-7A
9642115	220-260	6-10	2000	C-7A



Ba15d tubular lamps T 25 x 80/85 mm

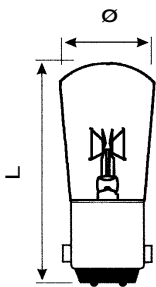
0052783	25 x 80	24-30	25,00	2000	C-2V
0702784	25 x 80	110-130	20,00	2000	C-5A
0952784	25 x 85	220-240	15,00	2000	C-5A
1002784	25 x 85	220-240	25,00	2000	C-2F



Ba15d ball lamps G 40/45 x 62/72 mm

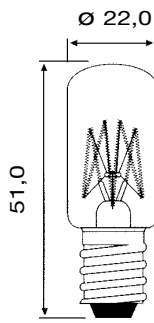
4365915	40 x 62	24-30	5,00	2000	C-2V
4485915	45 x 72	24-30	15,00	2000	C-2V
8875915*	45 x 72	220-260	40,00	2000	CC-7A
8865915	45 x 72	220-260	40,00	2000	CC-7A

* frosted lamptype



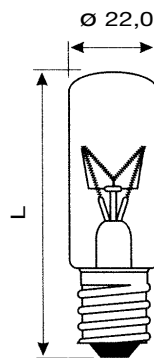
Ba15d tubular lamps Pigmy shaped T 26/28 x 58/62/64 mm

0202815	28 x 64	24-30	15,00	2000	C-2V
0802815	28 x 62	230-240	15,00	2000	C-7A
9752815	26 x 58	230-240	25,00	2000	C-7A



E-12 Sewing Machine Lamps Tubular 22 x 51 mm

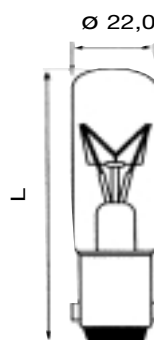
Art. nr.	Dimensions mm	Volt	mA	Watt	MSCP±25%	Life hours	Filament
5901912	110-130			15,00		3000	C-5A
6411912	230-240			15,00		3000	C-7A



E-14 Sewing Machine Lamps Tubular 22 x 58/62 mm

Art. nr.	Dimensions mm	Volt	mA	Watt	MSCP±25%	Life hours	Filament
4501924*	22 x 62	24-30		15,00		3000	C-2F
6411924	22 x 62	230-240		15,00		3000	C-7A
6421924*	22 x 62	230-240		15,00		3000	C-7A
6441924*	22 x 62	230-240		20,00		3000	C-7A
6461924*	22 x 62	230-240		25,00		3000	C-5A
6451924	22 x 58	230-240		25,00		3000	C-7A
6481924*	22 x 62	240-260		15,00		3000	C-7A

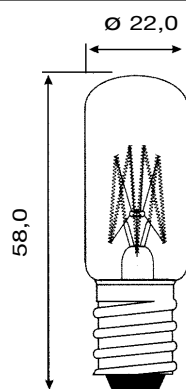
* frosted lamptypes



Ba15d Sewing Machine Lamps Tubular 22 x 51/57 mm

Art. nr.	Dimensions mm	Volt	mA	Watt	MSCP±25%	Life hours	Filament
2981955*	22 x 57	12		15,00		3000	C-2V
5941955*	22 x 57	110-130		15,00		3000	C-5A
5991955*	22 x 51	110-130		15,00		3000	C-7A
6391955*	22 x 51	230-240		15,00		3000	C-7A
6401955*	22 x 51	230-240		15,00		3000	C-7A
6411955	22 x 57	230-240		15,00		3000	C-7A
6421955*	22 x 57	230-240		15,00		3000	C-7A
6431955*	22 x 57	230-240		15,00		3000	C-7A
6441955*	22 x 57	230-240		20,00		3000	C-7A
6451955	22 x 57	230-240		25,00		3000	C-7A
6461955*	22 x 57	230-240		25,00		3000	C-7A
6481955*	22 x 57	230-240		15,00		3000	C-7A
6491955*	22 x 51	230-240		15,00		3000	C-7A

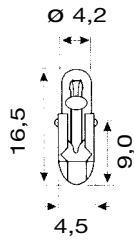
* frosted lamptypes



E-16 Sewing Machine Lamps Tubular T 22 x 58 mm

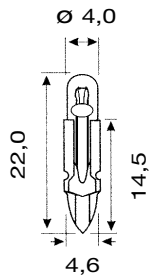
Art. nr.	Dimensions mm	Volt	mA	Watt	MSCP±25%	Life hours	Filament
5901916*	110-130			15,00		3000	C-5A
6421916*	220-240			15,00		3000	C-7A

* frosted lamptype



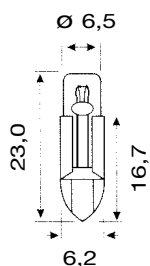
Telephone Lamps T 4.5 4,2 x 16,5 mm

Art. nr.	Dimensions mm	Volt	mA	Watt	MSCP \pm 25%	Life hours	Filament
0204506	6	20			0,020	10000	C-2V
0404506	6	40			0,020	10000	C-2V
0504506	6	50			0,080	10000	C-2R
2004506	6	200			0,340	10000	C-2R
0204512	12	20			0,030	10000	C-2V
0404512	12	40			0,090	10000	C-2V
0504512	12	50			0,130	10000	C-2V
1004512	12	100			0,250	10000	C-2V
0304530	24-30	30			0,160	10000	C-2F
0504530	24-30	50			0,270	10000	C-2F
0204530	24-30	20			0,100	10000	C-2F
0404530	24-30	40			0,290	10000	C-2F
0334532	32	33			0,330	10000	C-2F
0204536	36	20			0,100	10000	CC-2F
0204560	48-60	20			0,140	10000	CC-2F



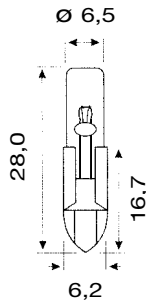
Telephone Lamps T 4.6 4,0 x 22 mm

Art. nr.	Dimensions mm	Volt	mA	Watt	MSCP \pm 25%	Life hours	Filament
0204606	6	20			0,024	10000	C-2V
0404606	6	40			0,048	10000	C-2V
0504606	6	50			0,080	10000	C-2V
2004606	6	200			0,340	10000	C-2R
0204612	12	20			0,032	10000	C-2V
0404612	12	40			0,088	10000	C-2V
0504612	12	50			0,127	10000	C-2V
1004612	12	100			0,250	10000	C-2V
0504630	24-30	50			0,270	10000	C-2F
0204630	24-30	20			0,104	10000	C-2F
0304630	24-30	30			0,225	10000	C-2F
0404630	24-30	40			0,287	10000	C-2F
0204636	36	20			0,103	10000	CC-2F
0304660	48-60	30			0,279	10000	CC-2F
0204660	48-60	20			0,140	10000	CC-2F



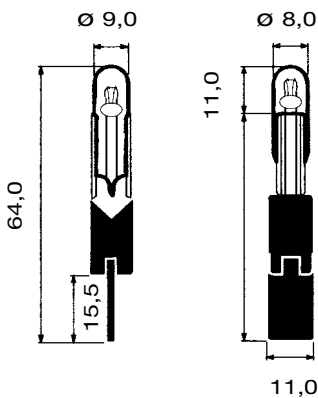
Telephone Lamps ESB 6,5 x 23 mm

Art. nr.	Dimensions mm	Volt	mA	Watt	MSCP \pm 25%	Life hours	Filament
0204710	5	40			0,040	10000	C-2F
0304710	6	40			0,025	10000	C-2F
0604710	10	40			0,062	10000	C-2F
0704710	12	40			0,088	10000	C-2V
0904710	16	40			0,170	10000	C-2F
1004710	18	40			0,140	10000	C-2F
1154710	24-30	30			0,135	10000	C-2F
1304710	24-30	40			0,300	10000	C-2F
1404710	48-60	40			0,440	10000	CC-2F



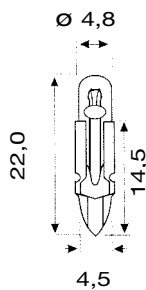
Telephone Lamps PSB 6,5 x 28 mm

Art. nr.	Volt	mA	Watt	MSCP \pm 25%	Life hours	Filament
0104720	6	140		0,120	10000	C-2V
0204720	12	170		0,350	10000	C-2R
0304720	24	73		0,500	10000	C-2R
0404720	28	40		0,290	10000	C-2F
0504720	48	53		0,700	10000	CC-2F
0604720	60	50		0,730	10000	CC-2F
0704720	120	25		0,360	10000	CC-3A
0804720	155	25		0,260	10000	CC-3A



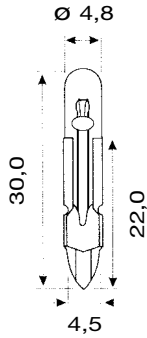
Telephone Lamps T 9 9 x 64 mm

Art. nr.	Volt	mA	Watt	MSCP \pm 25%	Life hours	Filament
0204730	12	250		3,00	5000	C-2V
0304730	24	80		2,00	5000	C-2F
0404730	24	125		3,00	5000	C-2F
1004730	48	42		2,00	5000	CC-2F
1104730	48	63		3,00	5000	CC-2F
1204730	50	60		3,00	5000	CC-2F
1404730	60	33		2,00	5000	CC-2F
0404735	24	125		3,00	10000	CC-2F
0454735	28	107		3,00	10000	CC-2F
1104735	48	63		3,00	10000	CC-2F
1504735	60	50		3,00	10000	CC-2F



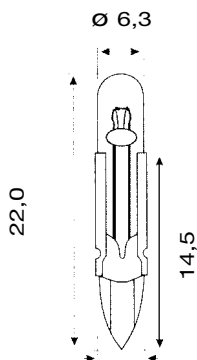
Telephone Lamps T 5.5 K 4,8 x 22 mm

Art. nr.	Volt	mA	Watt	MSCP \pm 25%	Life hours	Filament
0205406	6	20		0,024	10000	C-2V
0405406	6	40		0,048	10000	C-2V
0505406	6	50		0,058	10000	C-2V
2005406	6	200		0,048	10000	C-2R
0205412	12	20		0,032	10000	C-2V
0405412	12	40		0,088	10000	C-2V
0505412	12	50		0,127	10000	C-2V
1005412	12	100		0,260	10000	C-2V
0205430	24-30	20		0,104	10000	C-2F
0405430	24-30	40		0,287	10000	C-2F
0505430	24-30	50		0,350	10000	C-2F
0335432	32	33		0,334	10000	C-2F
0205436	36	20		0,103	10000	CC-2F
0305460	48-60	30		0,279	10000	CC-2F
0205460	48-60	20		0,191	10000	CC-2F
0205470	70	20		0,191	10000	CC-2F



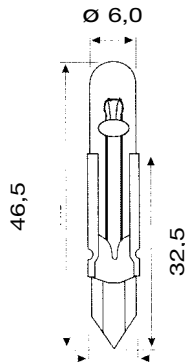
Telephone Lamps T 5.5 4,8 x 30 mm

Art. nr.	Dimensions mm	Volt	mA	Watt	MSCP _{±25%}	Life hours	Filament
0205506	6	20			0,024	10000	C-2V
0405506	6	40			0,048	10000	C-2V
0505506	6	50			0,080	10000	C-2V
1005506	6	100			0,143	10000	C-2R
2005506	6	200			0,477	10000	C-2R
0205512	12	20			0,032	10000	C-2V
0405512	12	40			0,088	10000	C-2V
0505512	12	50			0,127	10000	C-2V
0805512	12	80			0,239	10000	C-2V
1005512	12	100			0,260	10000	C-2V
0805530	24-30	80			0,373	10000	C-2F
0205530	24-30	20			0,104	10000	C-2F
0305530	24-30	30			0,167	10000	C-2F
0405530	24-30	40			0,287	10000	C-2F
0505530	24-30	50			0,350	10000	C-2F
0335532	32	33			0,334	10000	C-2F
0205536	36	20			0,103	10000	CC-2F
0335536	36	33			0,318	10000	CC-2F
0405536	36	40			0,358	10000	CC-2F
0505536	36	50			0,462	10000	CC-2F
0505560	48-60	50			0,260	10000	CC-2F
0205560	48-60	20			0,191	10000	CC-2F
0305560	48-60	30			0,398	10000	CC-2F
0405560	48-60	40			0,222	10000	CC-2F
0205570	70	20			0,191	10000	CC-2F
0405570	70	40			0,160	10000	CC-2F
0205580	80	20			0,195	10000	CC-2F



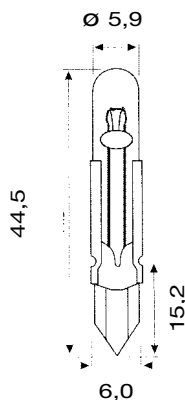
Telephone Lamps T 6.8 K 6,3 x 22 mm

Art. nr.	Dimensions mm	Volt	mA	Watt	MSCP _{±25%}	Life hours	Filament
1434750	6	40			0,240	10000	C-2V
8064750	48-60	20			0,191	10000	CC-2F



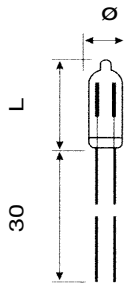
Telephone Lamps T 6.8 6,0 x 46,5 mm

0206806	6	20	0,024	10000	C-2V
0406806	6	40	0,048	10000	C-2V
0506806	6	50	0,053	10000	C-2V
2006806	6	200	0,334	10000	C-2V
0206812	12	20	0,032	10000	C-2V
0306812	12	30	0,042	10000	C-2V
0406812	12	40	0,088	10000	C-2V
0506812	12	50	0,127	10000	C-2V
1006812	12	100	0,260	10000	C-2V
0806830	24-30	80	0,374	10000	C-2F
1006830	24-30	100	0,438	10000	C-2F
0206830	24-30	20	0,104	10000	C-2F
0406830	24-30	40	0,287	10000	C-2F
0506830	24-30	50	0,350	10000	C-2F
0206836	36	20	0,103	10000	CC-2F
0336836	36	33	0,318	10000	CC-2F
0406836	36	40	0,358	10000	CC-2F
0506836	36	50	0,390	10000	CC-2F
0206860	48-60	20	0,183	10000	CC-2F
0306860	48-60	30	0,342	10000	CC-2F
0406860	48-60	40	0,518	10000	CC-2F
0506860	48-60	50	0,557	10000	CC-2F
0606860	48-60	60	0,590	10000	CC-2F
0206870	70	20	0,191	10000	CC-2F
0406870	70	40	0,557	10000	CC-2F



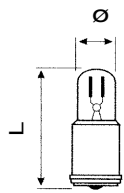
Telephone Lamps T 6.8 F 5,9 x 44,5 mm

0206906	6	20	0,024	10000	C-2V
0406906	6	40	0,048	10000	C-2V
2006906	6	200	0,334	10000	C-2R
0206912	12	20	0,032	10000	C-2V
0506912	12	50	0,127	10000	C-2V
1006912	12	100	0,255	10000	C-2V
1206912	12	120	0,310	10000	C-2V
0506930	24-30	50	0,270	10000	C-2F
1006930	24-30	100	0,438	10000	C-2F
0206930	24-30	20	0,104	10000	C-2F
0406930	24-30	40	0,287	10000	C-2F
0206936	36	20	0,103	10000	CC-2F
0606936	36	60	0,125	10000	CC-2F
0506948	48-60	50	0,422	10000	CC-2F
0206960	48-60	20	0,183	10000	CC-2F
0406960	48-60	40	0,518	10000	CC-2F
0606960	48-60	60	0,590	10000	CC-2F
0206970	70	20	0,191	10000	CC-2F



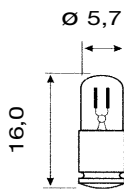
Neon Lamps Wire Ended

Art. nr.	Dimensions mm	Volt	mA	Watt	MSCP _{±25%}	Life hours	Filament
0207005	4 x 10	65-95				10000	
0257005	4 x 12	65-95				10000	
0507005	6 x 16	65-96				10000	
0527005	6 x 19	65-97				10000	
0547005	6 x 16	65-98			Green colour	10000	
0567005*	6 x 16	220			* with resistor	10000	
0577005	6 x 16	60-80				10000	
0607005	5,8 x 20	80-85				10000	
0707005	10 x 19	110-130				10000	



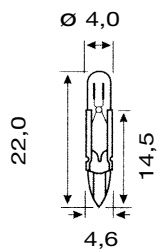
Neon Lamps Midget Flanged M.F.

Art. nr.	Dimensions mm	Volt	mA	Watt	MSCP _{±25%}	Life hours	Filament
8007008	4 x 10	65-95			w/o resistor	10000	
8007010	6 x 16	65-95			w/o resistor	10000	
9007010	6 x 16	110-130			Lensend with resistor	10000	
9507010	6 x 16	220-240			Lensend with resistor	10000	
9547010	6 x 16	220-240			Lensend green with resistor	10000	



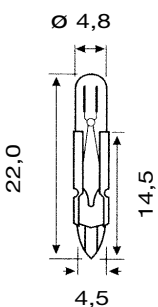
Neon Lamps Midget Grooved M.G. 5,7 x 16 mm

Art. nr.	Dimensions mm	Volt	mA	Watt	MSCP _{±25%}	Life hours	Filament
8007015	5,7 x 16	65-95			w/o resistor	10000	
9007015	5,7 x 16	110-130			Lensend with resistor	10000	
9507015	5,7 x 16	220-240			Lensend with resistor	10000	
9547015	5,7 x 16	220-240			Lensend green with resistor	10000	



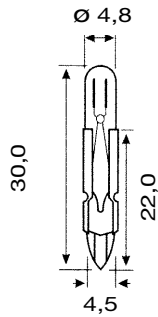
Neon Lamps Telephone type T 4.6 4,0 x 22 mm

Art. nr.	Dimensions mm	Volt	mA	Watt	MSCP _{±25%}	Life hours	Filament
9007020	4,0 x 22	110-130			Glass lensend High bright	10000	
9507020	4,0 x 22	220-240			Glass lensend High bright	10000	



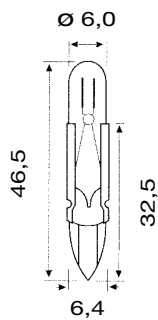
Neon Lamps Telephone type T 5.5K 4,8 x 22 mm

Art. nr.	Dimensions mm	Volt	mA	Watt	MSCP _{±25%}	Life hours	Filament
9007025	4,8 x 22	110-130			Glass lensend High bright	10000	
9507025	4,8 x 22	220-240			Glass lensend High bright	10000	



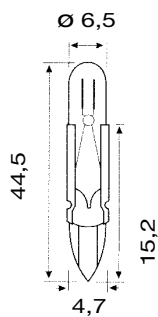
Neon Lamps Telephone type T 5.5 4,8 x 30 mm

8007030	60-65	Glass lensend	High bright	10000
9007030	110-130	Glass lensend	High bright	10000
9047030	110-130	Glass		10000
9507030	220-240	Glass lensend	High bright	10000
9547030	220-240	Glass green light output		10000



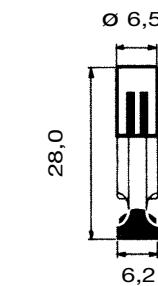
Neon Lamps Telephone type T 6.8 6,0 x 46,5 mm

8007035	60-65	Glass lensend	High bright	10000
9007035	110-130	Glass lensend	High bright	10000
9047035	110-130	Glass		10000
9507035	220-240	Glass lensend	High bright	10000
9547035	220-240	Glass green light output		10000



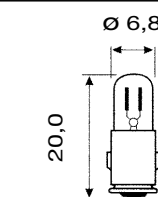
Neon Lamps Telephone type T 6.8F 6,5 x 44,5 mm

8007036	60-65	Glass lensend	High bright	10000
9007036	110-130	Glass lensend	High bright	10000



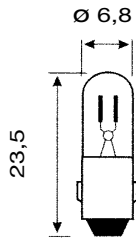
Neon Lamps Telephone type 120 PSB 6,5 x 28 mm

9007038	120		ANSI #5	10000
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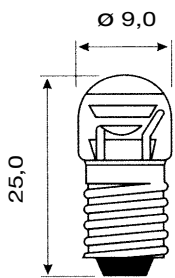
Neon Lamps Ba7s tubular 6,8 x 20 mm

9007039	110-130	Glass lensend	High bright	10000
9507039	220-240	Glass lensend	High bright	10000



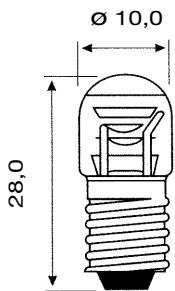
Neon Lamps Ba7s tubular 6,8 x 23,5 mm

Art. nr.	Dimensions mm	Volt	mA	Watt	MSCP _{±25%}	Life hours	Filament
9007040	110-130	Glass lensend	High bright	10000			
9507040	220-240	Glass lensend	High bright	10000			



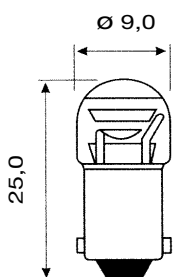
Neon Lamps E-10 tubular 9 x 25 mm

9007045	110-130	Glass lensend	High bright	10000			
8997045	Long life 110-130	Glass lensend	High bright	10000			
9017045	110-130	PVC lensend		10000			
9047045	110-130	Glass lensend	High bright	10000	green		
9507045	220-240	Glass lensend	High bright	10000			
9497045	Long life 220-240	Glass lensend	High bright	10000			
9547045	220-240	Glass lensend	High bright	10000	green		
9807045	380-400	Glass lensend	High bright	10000			
9797045	Long life 380-400	Glass lensend	High bright	10000			



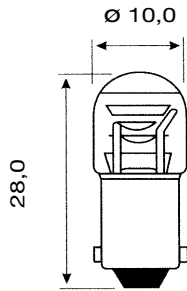
Neon Lamps E-10 tubular 10 x 28 mm

8007046	65-90		w/o resistor	10000			
9007046	110-130	Glass lensend	High bright	10000			
8997046	Long life 110-130	Glass lensend	High bright	10000			
9017046	110-130	PVC lensend		10000			
9047046	110-130	Glass lensend	High bright	10000	green		
9057046	110-130	PVC lensend		10000	green		
9507046	220-240	Glass lensend	High bright	10000			
9497046	Long life 220-240	Glass lensend	High bright	10000			
9517046	220-240	PVC lensend		10000			
9547046	220-240	Glass lensend	High bright	10000	green		
9537046	Long life 220-240	Glass lensend	High bright	10000	green		
9557046	220-240	PVC lensend		10000	green		
9807046	380-400	Glass lensend	High bright	10000			
9797046	Long life 380-400	Glass lensend	High bright	10000			
9817046	380-400	PVC lensend		10000			
9847046	380-400	Glass lensend	High bright	10000	green		



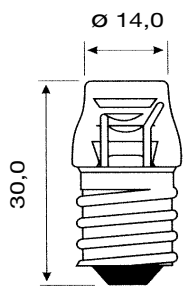
Neon Lamps Ba9s tubular 9 x 25 mm

8997050	Long life 110-130	Glass lensend	High bright	10000			
9007050	110-130	Glass lensend	High bright	10000			
9017050	110-130	PVC lensend		10000			
9047050	110-130	Glass lensend	High bright	10000	green		
9507050	220-240	Glass lensend	High bright	10000			
9497050	Long life 220-240	Glass lensend	High bright	10000			
9547050	220-240	Glass lensend	High bright	10000	green		
9537050	Long life 220-240	Glass lensend	High bright	10000	green		
9807050	380-400	Glass lensend	High bright	10000			
9797050	Long life 380-400	Glass lensend	High bright	10000			
9847050	380-400	Glass lensend	High bright	10000	green		



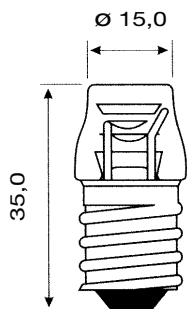
Neon Lamps Ba9s tubular 10 x 28 mm

7607051		65-90		w/o resistor	10000
9007051		110-130	Glass lensend	High bright	10000
8997051	Long life	110-130	Glass lensend	High bright	10000
9017051		110-130	PVC lensend		10000
9047051		110-130	Glass lensend	High bright	10000 green
9057051		110-130	PVC lensend		10000 green
9507051		220-240	Glass lensend	High bright	10000
9497051	Long life	220-240	Glass lensend	High bright	10000
9517051		220-240	PVC lensend		10000
9547051		220-240	Glass lensend	High bright	10000 green
9537051	Long life	220-240	Glass lensend	High bright	10000 green
9557051		220-240	PVC lensend		10000 green
9807051		380-400	Glass lensend	High bright	10000
9797051	Long life	380-400	Glass lensend	High bright	10000
9817051		380-400	PVC lensend		10000
9847051		380-400	Glass lensend	High bright	10000 green



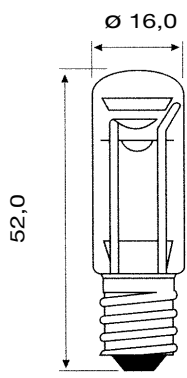
Neon Lamps E-14 tubular 14 x 30 mm

9007055		110-130	Glass lensend	High bright	10000
9047055		110-130	Glass lensend	High bright	10000
9507055		220-240	Glass lensend	High bright	10000
9517055		220-240	PVC lensend		10000
9807055		380-400	Glass lensend	High bright	10000



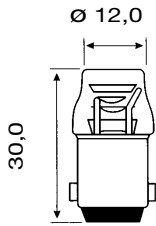
Neon Lamps E-14 tubular 15 x 35 mm

9007056		110-130	Glass lensend	High bright	10000
9507056		220-240	Glass lensend	High bright	10000
9807056		380-400	Glass lensend	High bright	10000



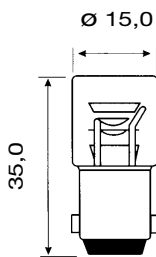
Neon Lamps E-14 tubular 16 x 52 mm

9007057		110-130	Glass lensend	High bright	10000
9507057		220-240	Glass lensend	High bright	10000
9807057		380-400	Glass lensend	High bright	10000



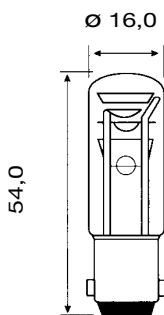
Neon Lamps Ba15d tubular 12 x 30 mm

Art. nr.	Dimensions mm	Volt	mA	Watt	MSCP _{±25%}	Life hours	Filament
9007060	110-130	Glass lensend		High bright	10000		
9507060	220-240	Glass lensend		High bright	10000		
9807060	380-400	Glass lensend		High bright	10000		



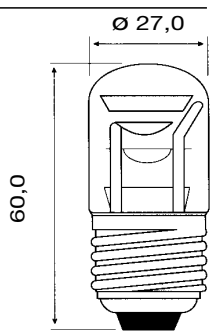
Neon Lamps Ba15d tubular 15 x 35 mm

Art. nr.	Dimensions mm	Volt	mA	Watt	MSCP _{±25%}	Life hours	Filament
9007061	110-130	Glass lensend		High bright	10000		
9507061	220-240	Glass lensend		High bright	10000		
9807061	380-400	Glass lensend		High bright	10000		



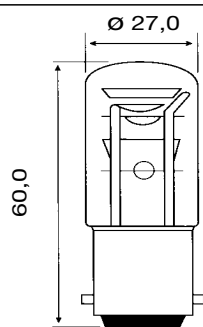
Neon Lamps Ba15d tubular 16 x 54 mm

Art. nr.	Dimensions mm	Volt	mA	Watt	MSCP _{±25%}	Life hours	Filament
9007062	110-130	Glass lensend		High bright	10000		
9507062	220-240	Glass lensend		High bright	10000		
9547062	220-240	Glass lensend		High bright	10000	green	
9807062	380-400	Glass lensend		High bright	10000		



Neon Lamps E-27 tubular 27 x 60 mm

Art. nr.	Dimensions mm	Volt	mA	Watt	MSCP _{±25%}	Life hours	Filament
9007065	110-130	Glass		High bright	10000		
9507065	220-240	Glass		High bright	10000		



Neon Lamps Ba22d tubular 27 x 60 mm

Art. nr.	Dimensions mm	Volt	mA	Watt	MSCP _{±25%}	Life hours	Filament
9507070	220-240	Glass		High bright	10000		
9807070	380-400	Glass		High bright	10000		



SELUM[®]
Quality Lighting

Art. nr.

Dimensions
mm

Volt

mA

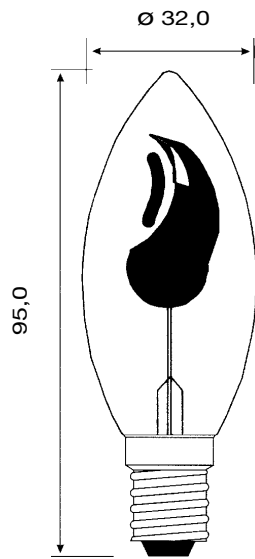
Watt

MSCP±25%

Life hours

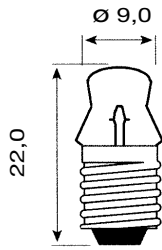
Filament

Small lamps



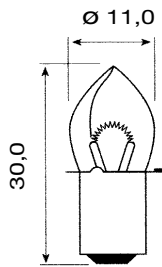
Neon Lamp E14 Flicker Flame 32 x 95 mm

9507075	220-240	10000
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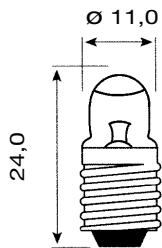
Torchlamps E-10 (Torpedo shaped) 9 x 22 mm

Art. nr.	Dimensions (mm)	Volt	mA	Watt	MSCP _{±25%}	Life hours	Filament
0013334	1,20	220				500	C-2R
0033334	2,20	180				500	C-2R
0053334	2,20	300				500	C-2R
0073334	2,20	250				500	C-2R
0093334	2,33	270				500	C-2R
0113334	2,50	200				500	C-2R
0133334	2,50	300				500	C-2R
0153334	3,30	300				500	C-2R
0173334	3,70	300				500	C-2R



Prefocus Lamps P 13,5s 11 x 30 mm

Art. nr.	Dimensions (mm)	Volt	mA	Watt	MSCP _{±25%}	Life hours	Filament
0023333	PR 2	2.38	500		0.875	500	C-2R
0033333	PR 3	3.57	500		1,670	500	C-2R
0043333	PR 4	2.33	270		0,470	500	C-2R
0053333	PR 5	2.35	350		0,400	500	C-2R
0063333	PR 6	2.47	300		0,550	500	C-2R
0073333	PR 7	3.70	300		0,950	500	C-2R
0083333	PR 8	1.90	600		0,600	500	C-2R
0093333	PR 9	2.70	150		0,200	500	C-2R
0123333	PR 12	5.95	500		3,000	500	C-2R
0133333	PR 13	4.75	500		2,300	500	C-2R
0153333	PR 15	4.82	500		2,300	500	C-2R
0163333	PR 16	12.50	250		2,700	500	C-2R
0173333	PR 17	4.90	300		1,200	500	C-2R
0183333	PR 18	7.20	550		4,855	500	C-2R
0203333	PR 20	8.63	500		5,000	500	C-2R
0293333	PR 29	3.60	200		0,580	500	C-2R
0303333	PR 30	3.75	860		0,100	500	C-2R



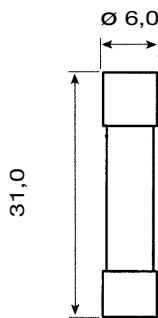
Lensend Lamps E-10 Brillant type 11 x 24 mm

Art. nr.	Dimensions (mm)	Volt	mA	Watt	MSCP _{±25%}	Life hours	Filament
0023324	2,2	250	0,55			500	C-2R
0053324	2,2	300	0,66			500	C-2R
0063324	2,2	400	0,88			500	C-2R
0153324	3,3	300	0,99			500	C-2R
0173324	3,7	300	1,11			500	C-2R
0203324	4,8	300	1,44			500	C-2R



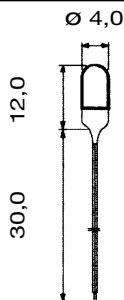
Lensend Lamps P 13,5s Brillant type 11 x 28 mm

Art. nr.	Dimensions (mm)	Volt	mA	Watt	MSCP _{±25%}	Life hours	Filament
0023323	2,2	250	0,55			500	C-2R
0053323	2,2	300	0,66			500	C-2R
0063323	2,2	400	0,88			500	C-2R
0173323	3,7	300	1,11			500	C-2R



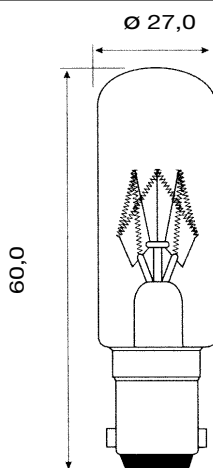
Fuse Lamps SF 6 type (for radio scale lighting) 6 x 31 mm

Art. nr.	Dimensions mm	Volt	mA	Watt	MSCP _{±25%}	Life hours	Filament
0106590	6	100	0,60		0,100	1000	C-8
0166590	6	200	1,20		0,320	1000	C-8
0136590	6,3	150	1,00		0,500	1000	C-8
0156590	6,3	250	1,50		0,640	1000	C-8
0206590	6,3	300	2,00		0,640	1000	C-8
0306590	8	150	1,20		0,400	1000	C-8
0356590	8	250	2,00		0,640	1000	C-8
0406590	8	300	2,40		0,900	1000	C-8
0456590	12	100	1,20		0,640	1000	C-8
0476590	12	150	1,80		0,580	1000	C-8
0496590	12,6	250	3,00		0,500	1000	C-8
0506590	12,6	300	3,80		0,640	1000	C-8



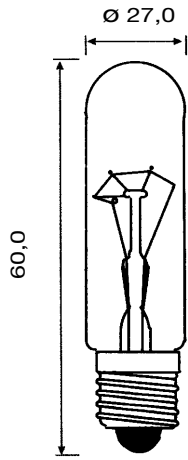
Radio Scale Lighting Lamps (Pantaloons based) 4 x 12 mm wires +/- 25/30 cm

Art. nr.	Dimensions mm	Volt	mA	Watt	MSCP _{±25%}	Life hours	Filament
1006592	6	30		red/green wired		1000	C-2V
1206592	6,3	40		red/green wired		1000	C-2R
1506592	6,3	50		white wired		1000	C-2V
1606592	6,3	150		yellow/red wired		1000	C-2R
1706592	6,3	200		white wired		1000	C-2V
2006592	8	50		red wired		1000	C-2V
2106592	8	150		yellow wired		1000	C-2R
2506592	12	50		blue wired		1000	C-2V
2516592	12	60		blue wired		1000	C-2V
2606592	12	150		green wired		1000	C-2R



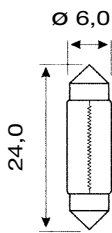
Tubular Lamps Ba22d 27 x 60 mm

Art. nr.	Dimensions mm	Volt	mA	Watt	MSCP _{±25%}	Life hours	Filament
2982722	12-15			15,00		3000	C-2V
4362722	24-30			5,00		3000	C-2V
4432722	24-30			10,00		3000	C-2V
4482722	24-30			15,00		3000	C-2V
4552722	24-30			25,00		3000	C-2V
6262722	36			10,00		3000	C-2V
6282722	36			15,00		3000	C-2V
8262722	48-60			5,00		3000	C-2F
8322722	48-60			10,00		3000	C-2F
8342722	48-60			15,00		3000	C-2F
8482722	65			15,00		3000	C-2F
9182722	110-140			6-10		3000	C-3A
9212722	110-140			15-25		3000	C-3A
9392722	110-140			10-15		3000	C-3A
9622722	220-260			5-7		3000	C-5A
9662722	220-260			6-10		3000	C-5A
9722722	220-260			10-15		3000	C-5A
9762722	220-260			40,00		3000	C-5A



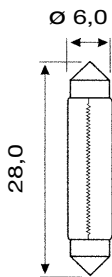
Tubular Lamps E-27 27 x 60 mm

2982727	12-15	15,00	3000	C-2V
4362727	24-30	5,00	3000	C-2V
4432727	24-30	10,00	3000	C-2V
4482727	24-30	15,00	3000	C-2V
5702727	24-30	25,00	3000	C-2V
6262727	36	10,00	3000	C-2V
8262727	48-60	5,00	3000	C-2F
8322727	48-60	10,00	3000	C-2F
8342727	48-60	15,00	3000	C-2F
9182727	110-140	6-10	3000	C-3A
9212727	110-140	15-25	3000	C-3A
9392727	110-140	10-15	3000	C-3A
9622727	220-260	5-7	3000	C-5A
9642727	220-260	6-10	3000	C-5A
9662727	220-260	10-15	3000	C-5A
9742727	220-260	25,00	3000	C-5A
9762727	220-260	40,00	3000	C-5A



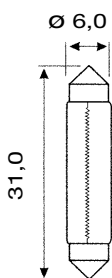
Festoon Lamps S6 6 x 24 mm

1463903	6	50	0,30	2000	C-6
1533902	6	100	0,60	2000	C-6
1543903	6	165	1,00	2000	C-6
2813902	12	100	1,20	2000	C-6
2873903	12	165	2,00	2000	C-6
5103903	24-30	70	2,00	2000	CC-6
5543903	24-30	125	3,00	2000	CC-6



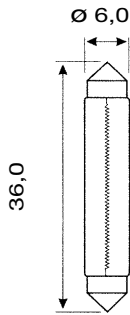
Festoon Lamps S6 6 x 28 mm

1643905	6	500	3,00	2000	C-6
2913905	12	250	3,00	2000	C-6
5543905	24-30	125	3,00	2000	CC-6



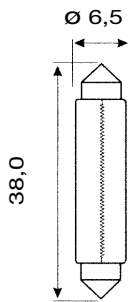
Festoon Lamps S6 6 x 31 mm

1643910	6	500	3,00	2000	C-6
2913910	12	250	3,00	2000	C-6
2963910	12	416	5,00	2000	C-6
4033910	24-30	50	1,20	2000	CC-6
4083910	24-30	63	1,50	2000	CC-6
5543910	24-30	125	3,00	2000	CC-6



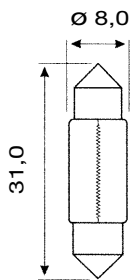
Festoon Lamps S 6 6 x 36 mm

Art. nr.	Dimensions mm	Volt	mA	Watt	MSCP±25%	Life hours	Filament
2913913	12	250	3,00		2000	C-6	
3603913	18	100	1,80		2000	CC-6	
4033913	24-30	50	1,20		2000	CC-6	
4123913	24-30	80	2,00		2000	CC-6	
5543913	24-30	100	3,00		2000	CC-6	



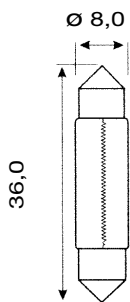
Festoon Lamps S 6 6,5 x 38 mm

Art. nr.	Dimensions mm	Volt	mA	Watt	MSCP±25%	Life hours	Filament
1643914	6	500	3,00		2000	C-6	
2913914	12	250	3,00		2000	CC-6	
4123914	24-30	80	2,00		2000	CC-6	
5543914	24-30	125	3,00		2000	CC-6	



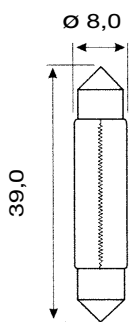
Festoon Lamps S 7 8 x 31 mm

Art. nr.	Dimensions mm	Volt	mA	Watt	MSCP±25%	Life hours	Filament
1703923	6	850	5,00		2000	C-6	
2913923	12	250	3,00		2000	C-6	
2933923	12	410	5,00		2000	C-6	
5543923	24-30	125	3,00		2000	CC-6	
5603923	24-30	210	5,00		2000	CC-6	



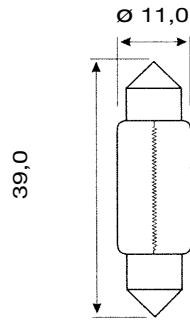
Festoon Lamps S 7 8 x 36 mm

Art. nr.	Dimensions mm	Volt	mA	Watt	MSCP±25%	Life hours	Filament
1643933	6	500	3,00		2000	C-6	
2913933	12	250	3,00		2000	C-6	
4123933	24-30	80	2,00		2000	CC-6	
5543933	24-30	125	3,00		2000	CC-6	



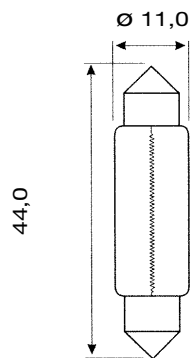
Festoon Lamps S 7 8 x 39 mm

Art. nr.	Dimensions mm	Volt	mA	Watt	MSCP±25%	Life hours	Filament
1643943	6	500	3,00		2000	C-6	
1703943	6	850	5,00		2000	C-6	
2913943	12	250	3,00		2000	C-6	
2933943	12	410	5,00		2000	C-6	
5543943	24-30	125	3,00		2000	CC-6	
5603943	24-30	210	5,00		2000	CC-6	



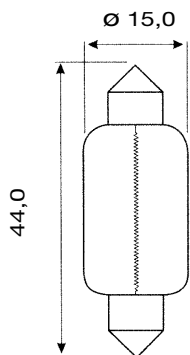
Festoon Lamps S 8,5 11 x 39 mm

Art. nr.	Dimensions mm	Volt	mA	Watt	MSCP \pm 25%	Life hours	Filament
1403953	6	50	0,30		2000	C-6	
1573953	6	200	1,20		2000	C-6	
1743953	6	833	10,00		2000	C-6	
2753953	12	50	0,60		2000	C-6	
2913953	12	250	3,00		2000	C-6	
2933953	12	416	5,00		2000	C-6	
4033953	24-30	50	1,20		2000	CC-6	
5543953	24-30	125	3,00		2000	CC-6	
5603953	24-30	208	5,00		2000	CC-6	



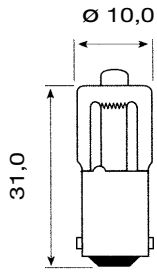
Festoon Lamps S 8,5 11 x 44 mm

Art. nr.	Dimensions mm	Volt	mA	Watt	MSCP \pm 25%	Life hours	Filament
1643963	6	500	3,00		2000	C-6	
1743963	6	1666	10,00		2000	C-6	
1763963	6	2500	15,00		2000	C-6	
2913963	12	250	3,00		2000	C-6	
2943963	12	416	5,00		2000	C-6	
2963963	12	832	10,00		2000	C-6	
2983963	12	1250	15,00		2000	C-6	
4033963	24-30	50	1,20		2000	CC-6	
5543963	24-30	1250	3,00		2000	CC-6	
5603963	24-30	208	5,00		2000	CC-6	
5703963	24-30	416	10,00		2000	CC-6	



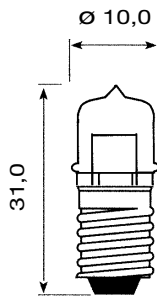
Festoon Lamps S 8,5 15 x 44 mm

Art. nr.	Dimensions mm	Volt	mA	Watt	MSCP \pm 25%	Life hours	Filament
1703973	6	833	5,00		2000	C-6	
1743973	6	1666	10,00		2000	C-6	
2933973	12	416	5,00		2000	C-6	
2963973	12	833	10,00		2000	C-6	
2983973	12	1250	15,00		2000	C-6	
4083973	24-30	62	1,50		2000	CC-6	
5543973	24-30	125	3,00		2000	CC-6	
5603973	24-30	208	5,00		2000	CC-6	
5703973	24-30	416	10,00		2000	CC-6	



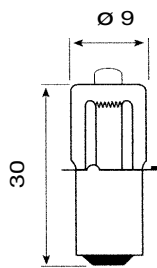
Halogen Miniature Lamps (for torchlamps) Ba9s 10 x 31 mm

Art. nr.	Dimensions mm	Volt	mA	Watt	MSCP _{±25%}	Life hours
0555109	2,4	6,00	36	100		
0625109	3	6,00	45	100		
1725109	6	6,00	86	100		
1765109	6	8,00	120	100		
1805109	6	10,00	200	100		
1855109	6	20,00	420	100		
2935109	12	5,00	80	100		
2965109	12	10,00	200	100		
2985109	12	20,00	500	100		



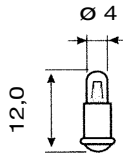
Halogen Miniature Lamps (for torchlamps) E-10 10 x 31 mm

Art. nr.	Dimensions mm	Volt	mA	Watt	MSCP _{±25%}	Life hours
0405134	2,8	2,40	36	100		
0505134	4	2,00	45	100		
0515134	4	3,40	62	100		
0565134	5,2	2,60	50	100		
0615134	5,2	4,40	90	100		
2335134	7,2	5,80	125	100		



Halogen Miniature Lamps (for torchlamps) P 13,5s 9 x 30 mm

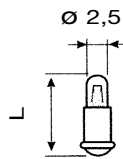
Art. nr.	Dimensions mm	Volt	mA	Watt	MSCP _{±25%}	Life hours
0405133	2,8	1,60	35	100		
0435133	3,75	2,80	45	100		
0455133	4	2,00	48	100		
0515133	4	3,40	60	100		
0525133	4,8	2,40	72	100		
0555133	5,2	2,60	62	100		
0605133	5,2	4,40	85	100		
1185133	4	4,00	50	100		
2005133	2,5	1,50	42	100		
2055133	3,8	3,00	55	100		
2105133	4,8	4,00	65	100		
2155133	6	3,40	95	100		



Toylamps Midget Flanged M.F. 4 x 12 mm

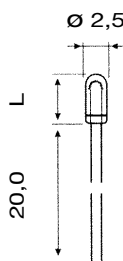
Art. nr.	Dimensions mm	Volt	mA	Watt	MSCP \pm 25%	Life hours	Filament
0830534	4 x 12	14	50			2000	C-2V
0834034*	4 x 12	16	50		clear	2000	C-2V
0834234*	4 x 12	16	50		red	2000	C-2V
0834334	4 x 12	16	50		green	2000	C-2V
0836834	4 x 12	19	50			2000	C-2V

* specially produced for use in toy trains



Toylamps Midget Flanged M.F. tubular 2,5 x 7,8/9,6 mm

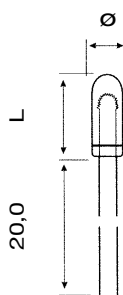
Art. nr.	Dimensions mm	Volt	mA	Watt	MSCP \pm 25%	Life hours	Filament
1224234	2,5 x 9,6	16	35		red	2000	CC-2V
1224334	2,5 x 9,6	16	35		green	2000	CC-2V
1224634	2,5 x 9,6	16	35		orange	2000	CC-2V
1234034	2,5 x 9,6	16	35		clear	2000	CC-2V
1234234	2,5 x 7,8	16	35		red	2000	CC-2V
1234334	2,5 x 7,8	16	35		green	2000	CC-2V
1234634	2,5 x 7,8	16	35		orange	2000	CC-2V
1234834	2,5 x 7,8	16	35		clear	2000	CC-2V



Toylamps Wire Ended tubular 2,5 x 6,35/9,00 mm

Art. nr.	Dimensions mm	Volt	mA	Watt	MSCP \pm 25%	Life hours	Filament
1125434	2,5 x 6,35	10	30			2000	C-2V
1130834*	2,5 x 9,00	16	35			2000	C-2V

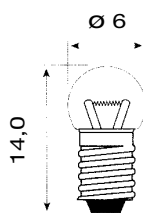
* specially produced for use in toy trains



Toylamps Wire Ended tubular 4,5 x 11,7 mm or 4,0 x 12,0 mm

Art. nr.	Dimensions mm	Volt	mA	Watt	MSCP \pm 25%	Life hours	Filament
0930534	4,5 x 11,7	14	50	0,70		2000	C-2V
0931034*	4,0 x 12,0	16	50	0,80		2000	C-2V

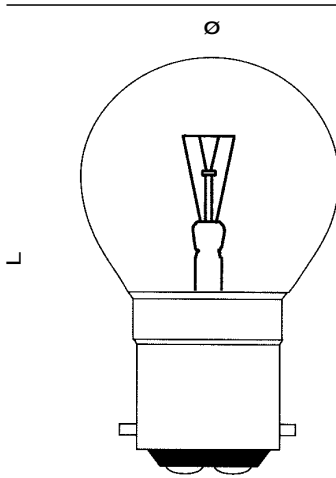
* specially produced for use in toy trains



Toylamps E 5.5 Ball shaped G 6 x 14 mm

Art. nr.	Dimensions mm	Volt	mA	Watt	MSCP \pm 25%	Life hours	Filament
0227534	6 x 14	12	50	0,60		2000	C-2F
0230534	6 x 14	14	50	0,70		2000	C-2F
0234034	6 x 14	16	50	0,80		2000	C-2F
0236834*	6 x 14	19	50	0,95		2000	C-2F
0238834*	6 x 14	19	100	1,90		2000	C-2F

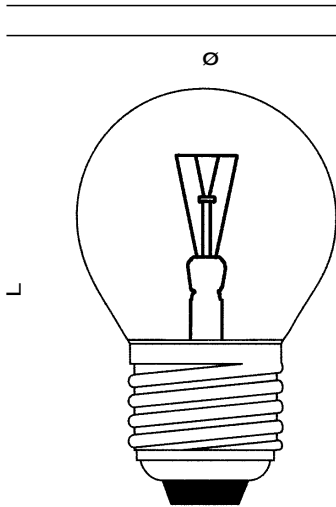
* specially produced for use in toy trains



Ball lamps Ba22d 45 x 70 mm

2935922	12	5	2000	C-6
2965922	12	10	2000	C-6
3005922	12	25	2000	C-6
4365922	24	5	2000	C-6
4435922	24	10	2000	C-6
4485922	24	15	2000	C-6
4555922	24	25	2000	C-6
4555932	24	25	2000	C-6
4565922	24	40	2000	C-6
8345922	60	15	2000	C-6
8335922	65	15	2000	C-6
8485922	65	40	2000	C-6
7265922	110-130	15	2000	C-5A
9145922	110-130	5	2000	C-5A
9175922	110-130	25	2000	C-5A
9185922	110-130	25	2000	C-5A
9705922	220-260	25	2000	CC-7A

Normally all lamp types are frosted. Clear version on special request.



Ball lamps E-27 45 x 70 mm

2965927	12	10	2000	C-6
2985927	12	15	2000	C-6
3015927	12	25	2000	C-6
3025927	12	40	2000	C-6
3105927	12	60	2000	C-6
4355927*	24	5	2000	C-6
4365927	24	5	2000	C-6
4485927	24	15	2000	C-6
4555927	24	25	2000	C-6
4565927	24	40	2000	C-6
4605927	24	60	2000	C-6
6595927	42	15	2000	C-6
8485927	65	15	2000	C-6
8505927	65	25	2000	C-6
7255927	110-130	15	2000	C-5A
7295927	110-130	25	2000	C-5A
8875927	220-260	40	2000	CC-7A

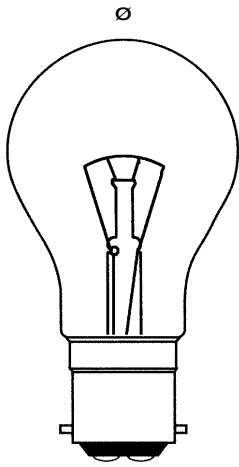
* clear version. All other types are frosted

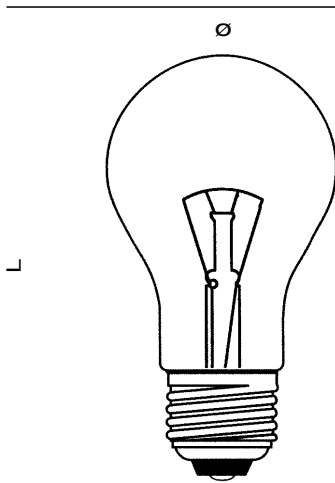


Standard lamps GLS type Ba22d 60 x 110 mm

Art. nr.	Dimensions mm	Volt	mA	Watt	MSCP _{±25%}	Life hours	Filament
2986022	12	15			2000	C-6	
3016022	12	25			2000	C-6	
3026022	12	40			2000	C-6	
3036022	12	60			2000	C-6	
3136022	12	100			2000	C-6	
4436022	24	10			2000	C-6	
4486022	24	15			2000	C-6	
4556022	24	25			2000	C-6	
4566022	24	40			2000	C-6	
4576022	24	60			2000	C-6	
4586022	24	75			2000	C-6	
4596022	24	100			2000	C-6	
4606200*	24	60			2000	C-6	
4626022*	24	40			2000	C-6	
5866022	32	40			2000	C-6	
8576022	32	60			2000	C-6	
6606022	42	25			2000	C-6	
6616022	42	40			2000	C-6	
6626022	42	60			2000	C-6	
6646022	42	100			2000	C-6	
8486022	65	15			2000	C-6	
8506022	65	25			2000	C-6	
8526022	65	40			2000	C-6	
8536022	65	60			2000	C-6	
8556022	65	100			2000	C-6	
8656022	110-130	15			2000	C-5A	
8676022	110-130	25			2000	C-5A	
8696022	110-130	40			2000	C-5A	
8726022	110-130	60			2000	C-5A	
8756022	110-130	100			2000	C-5A	
8856022	220-260	15			2000	CC-7A	
8866022	220-260	25			2000	CC-7A	
8876022	220-260	40			2000	CC-7A	
8886022	220-260	60			2000	CC-7A	
8896022	220-260	75			2000	CC-7A	
8906022	220-260	100			2000	CC-7A	

* clear version. All other types are frosted





Standard lamps GLS type E-27 60 x 110 mm

2966027	12	10	2000	C-6
2986027	12	15	2000	C-6
3016027	12	25	2000	C-6
2996027*	12	40	2000	C-6
3026027	12	40	2000	C-6
3006027*	12	60	2000	C-6
3036027	12	60	2000	C-6
3136027	12	100	2000	C-6
4436027	24	10	2000	C-6
4486027	24	15	2000	C-6
4546027*	24	25	2000	C-6
4556027	24	25	2000	C-6
4566027	24	40	2000	C-6
426027*	24	40	2000	C-6
4576027	24	60	2000	C-6
4606027*	24	60	2000	C-6
4586027	24	75	2000	C-6
4596027	24	100	2000	C-6
4636027*	24	100	2000	C-6
5866027	32	40	2000	C-6
8576027	32	60	2000	C-6
6596027	42	15	2000	C-6
6606027	42	25	2000	C-6
6616027	42	40	2000	C-6
6626027	42	60	2000	C-6
6646027	42	100	2000	C-6
7066027	48-50	15	2000	C-6
7156027	48-50	25	2000	C-6
7996027	48-50	40	2000	C-6
8466027	65	10	2000	C-6
8486027	65	15	2000	C-6
8506027	65	25	2000	C-6
8526027	65	40	2000	C-6
8036027	65	60	2000	C-6
8656027	110-130	15	2000	C-5A
8676027	110-130	25	2000	C-5A
8696027	110-130	40	2000	C-5A
8726027	110-130	60	2000	C-5A
8756027	110-130	100	2000	C-5A
8856027	220-260	15	2000	CC-7A
8866027	220-260	25	2000	CC-7A
8876027	220-260	40	2000	CC-7A
8886027	220-260	60	2000	CC-7A
8926027*	220-260	60	2000	CC-7A
8896027	220-260	75	2000	CC-7A
8906027	220-260	100	2000	CC-7A
8916027*	220-260	100	2000	CC-7A

* clear version. All other types are frosted



SPECIALE OPMERKINGEN VOOR ALLE LAMPEN:

Kleuren voor kleinere hoeveelheden worden handmatig aangebracht in onze fabriek of ons magazijn en kosten dan de normale netto prijs (voor het heldere type) x 2.

Beschikbare kleuren zijn: rood, groen, oranje, blauw, geel, paars. Kleuren voor grotere hoeveelheden: vraag naar onze speciale nettoprijzen voor semi-automatisch kleuren.

Alle afmetingen zijn in mm.

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La coloration pour de petites quantités est réalisée manuellement dans notre usine/entrepot et coute alors le double du prix normal des modèles translucides.

Les couleurs disponibles sont le rouge, le vert, l'orange, le bleu, le jaune et le violet.

Pour de grandes quantités en couleur, renseignez-vous sur nos prix nets spéciaux pour coloration semi-automatique.

Toutes les dimensions sont en mm.

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Colourations for small quantities are manually done in our factory/warehouse and costs then normal nett price (for clear type) x 2.

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All dimensions are in mm.

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Um größere Mengen einzufärben: Bitte erkundigen Sie sich nach unseren besonders günstigen Nettopreisen für halbautomatische ausgeführte Einfärbungen.

Alle Maße sind in mm.

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