



PHILIPS
RADIO

Taschenbuch

der Empfänger-, Gleichrichter- und Regulatorröhren der Konkurrenz.

(2. Auflage. August 1930)

Pocket-book

of competing makes of receiving and rectifying valves and resistance lamps.

(2nd edition. August 1930)

Livret

des lampes réceptrices et des tubes redresseurs et régulateurs de la concurrence.

(2ième édition. Août 1930)

Manual

de las válvulas receptoras y rectificadoras y de las lámparas reguladoras de la competencia.

(2a edición. Agosto de 1930)

Nur für internen Gebrauch!

For use by the staff only!

Exclusivement à l'usage du personnel!

¡ Exclusivamente para el uso de los oficiales!

Dieses Taschenbuch enthält Tabellen für den Vergleich von Empfänger-, Gleichrichter- und Regulatorröhren der Konkurrenz mit unseren Typen.

Die Röhren der Konkurrenz werden in numerischer und alphabetischer Reihenfolge aufgezählt.

This booklet contains tables for comparing the competing makes of receiving and rectifying valves and resistance lamps with our own types.

The competing types are indicated in numerical and alphabetical order.

Ce livret contient des tableaux, pour la comparaison avec nos types, des lampes réceptrices et des tubes redresseurs et régulateurs de la concurrence.

Les types de la concurrence sont mentionnés dans l'ordre numérique et alphabétique.

Esta publicación contiene tablas para la comparación de válvulas receptoras y rectificadoras y de lámparas reguladoras de la competencia con nuestros tipos.

Los tipos de la competencia se mencionan por orden numérico y alfabético.

Sämtliche amerikanischen Röhrenfabrikanten stellen Röhren her, die genau dieselben Daten haben, wie die R.C.A.-Röhren. Auch sind die zwei letzten Ziffern der Typenbezeichnungen für entsprechende Röhren verschiedener Marken gleich, z.B.: Triad T 50 = R.C.A. UX-250.

Darum sollen für amerikanische Röhren immer die Seiten 86 und 87 nachgeschlagen werden, ausgenommen für:

Ceco, Cunningham, De Forest und Sonatron, deren Bezeichnungen mehr oder weniger eine Ausnahme bilden. Diese Marken sind normal aufgenommen.

All the American valve-manufacturers make valves which have exactly the same characteristics as those of the R.C.A. Moreover, in the type designations the two last figures are alike for corresponding types of different makes, e.g.: Triad T-50 = R.C.A. UX-250. Therefore, always refer to pages 86 and 87 for American valves, except for:

Ceco, Cunningham, De Forest and Sonatron, whose designations are more or less exceptions to this rule. These makes figure normally in the book.

Tous les fabricants de tubes américains produisent des tubes dont les caractéristiques sont identiques à celles des tubes R.C.A. De plus les deux derniers chiffres de la désignation sont égaux pour des tubes correspondants de marques différentes, par exemple:

Triad T-50 = R.C.A. UX-250. Pour cette raison, consultez toujours les pages 86 et 87 pour les tubes américains, sauf:

Ceco, Cunningham, De Forest et Sonatron, dont les désignations constituent plus ou moins une exception. Ces marques figurent normalement dans le livre.

Todos los fabricantes americanos de válvulas, producen válvulas cuyas características son idénticas a las de las válvulas R.C.A. Además, las dos últimas cifras de la designación son iguales para las válvulas correspondientes de marcas diferentes; por ejemplo: Triad T-50 = R.C.A. UX-250. Por esta razón, consultat siempre las páginas 86 y 87 para las válvulas americanas, salvo:

Ceco, Cunningham, De Forest y Sonatron, cuyas designaciones constituyen más o menos una excepción. Estas marcas figuran normalmente en el libro.



Beispiel — Example — Exemple — Ejemplo

COSSOR (Gr. Br.)

Empf.-Röhren — Rec. valves — Lampes réc. — Válv. rec.

COSSOR	P H I L I P S		
M. 41 H.F. =	E 438 { 1) E 435 — E 442 2) E 415 — E 424		
M. 41 L.F. = E 415	E 424		
} Genueses Äquivalent Exact equivalent Equivalent exact Equivalente exacto	besser	noch besser	am besten
	better	still better	the best
	meilleur	encore meilleur	le meilleur
	mejor	aún mejor	óptimo

- 1) = Hochfrequ. - High freq. - Haute fréq. - Alta frec.
- 2) = Audion - Detector - Détectrice - Detectora.
- 3) = Niederfrequ. - Low freq. - Basse fréq. - Baja frec.
- 4) = Widerstandskopplung - Resistance capacity coupling - Couplage basse fréq. à résistances - Acoplo baja frec. por resistencia.
- 5) = Endröhre - Power valve - Lampe de sortie - Válvula para altavoz.
- 6) = Zwischenfrequ. - Intermediary freq. - Moyenne fréq. - Media frec.

Namen der Länder - Names of the countries

Noms des pays - Nombres de los países

Čz.	=	Tschechoslowakei - Czecho-Slovakia - Tchécoslovaquie - Checoeslovaquia.
Dld.	=	Deutschland - Germany - Allemagne - Alemania.
Esp.	=	Spanien - Spain - Espagne - España.
Fr.	=	Frankreich - France - Francia.
Gr. Br.	=	England - Great Britain - Angleterre - Inglaterra.
It.	=	Italien - Italy - Italie - Italia.
Mag.	=	Ungarn - Hungary - Hongrie - Hungria.
Holl.	=	Holland - Hollande - Holanda.
Öst.	=	Österreich - Austria - Autriche - Austria.
U.S.A.	=	Vereinigte Staaten - U.S.A. - Etats-Unis - Estados Unidos.

CASTILLA — RADIO SOL (Esp.)

Empf.-Röhren — Rec. valves — Lampes réc. — Válv. rec.

Castilla Radio Sol		P H I L I P S
4 A F.	=	A 409
4 A.A.F.	=	A 435
4 B F.	=	B 406
4 B.F.F.	=	B 405
4 D.	=	A 415
4 D.R.	=	A 441
4 G.A.F.	=	A 442
4 G.B.F.	=	B 443
171	=	C 603
201-A	=	C 509A
A 4 A F.	=	E 438
A 4 B.F.	=	B 405
A 4 D.	=	E 415
A 4 G.A.F.	=	E 442
A 4 G.B.F.	=	C 443
A.F.	=	A 425
A.F. 1	=	—
B F.	=	—
B F F.	=	B 406
C 303B	=	B 403
C 306A	=	—
C 306B	=	B 406
C 309A	=	—
C 325A	=	A 425
CA-171	=	C 603
CA-201-A	=	C 509A
CA-226	=	F 109A
CA-227	=	F 209A
CX-171	=	C 603
CX-201-A	=	C 509A
D	=	A 410
D 1	=	A 410
TA-0	=	—
TA-1	=	—
CA-224	=	F 242
CA-245	=	F 203
CA-250	=	F 704
		A 415
		A 442
		B 409 — B 405 — B 443
		B 443
		C 643
		A 609 — A 615
		B 443
		E 424
		1) A 435 — A 442
		A 425 -1) A 435 — A 442
		A 409 — A 415
		B 409 — B 405 — B 443
		B 405 — B 443
		A 409 — A 415
		2,3) A 415
		5) B 409 — B 405 — B 443
		A 409 — A 415
		C 643
		A 609 — A 615
		C 643
		A 609 — A 615
		1) A 425 — A 435 — A 442
		2,3) A 409 — A 415
		1) A 425 — A 435 — A 442
		2,3) A 409 — A 415
		1) A 425 — A 435 — A 442
		2,3) A 415
		A 209
		D 243

Gleichr.-Röhren - Rect. valves Tubes redr. - Válv. rect.			Reg.-Röhren - Res. lamps Tubes rég. - Lámp. reg.	
Castilla Radio Sol		PHILIPS	Castilla Radio Sol	PHILIPS
R 280	==	1560		
R 1054	==	506		
R 1503	==	1201		
VR 2	==	505		
VR 4	==	506		

CECO (U.S.A.)

Empf.-Röhren — Rec. valves — Lampes réc. — Válv. rec.

Ceco		P H I L I P S	
01-B	==	—	A 609 — A 615
A	==	C 509A	A 609 — A 615
AC-22	==	—	E 442
AC-24	==	F 242	
AX	==	C 509A	A 609 — A 615
B	==	A 306F	
BX	==	A 306	
C	==	A 306	
E	==	A 303	
F	==	—	
F-12	==	C 508	B 605 — C 603 — C 643
F-12-A	==	—	
G	==	—	A 630
H	==	—	A 615
J-71	==	—	C 643
J-71-A	==	C 603	
K	==	—	A 630 — A 635 — A 642
L-10	==	F 708	
L-45	==	F 203	D 243
L-50	==	F 704	
M-26	==	F 109A	
N-27	==	F 209A	
N-409	==	—	A 409 — A 415
RF-22	==	B 342	
S-406	==	—	B 406 — B 409 — B 405 — B 443
T-403	==	—	B 403 — B 405 — B 443
X-410	==	—	A 410 — A 425 — A 435 — A 442

Gleichr.-Röhren - Rect. valves Tubes redr. - Válv. rect.			Reg.-Röhren - Res. lamps Tubes rég. - Lámp. reg.	
Ceco	P H I L I P S		Ceco	P H I L I P S
R-80	==	1560		
R-81	==	1562		

CLEARTRON (Gr. Br.)

Empf.-Röhren — Rec. valves — Lampes réc. — Válv. rec.

Cleartron	P H I L I P S
210 H.F. == —	) 1) A 225 — A 235 — B 242 3) A 209
210 L.F. == A 209	
210 R.C. == —	A 225
215 S.G. == B 242	B 203 — C 243
215 P. == B 205	B 203 — C 243
225 S.P. == —	) 1) A 425 — A 435 — A 442 3) A 409 — A 415
410 H.F. == —	
410 L.F. == —	A 415
410 P. == B 406	B 409 — B 405 — B 443
410 R.C. == —	A 425
410 S.G. == A 442	B 403 — B 405 — B 443
415 S.P. == —	) 1) A 630 — A 635 — A 642 3) A 609 — A 615
610 H.F. == —	
610 L.F. == —	A 615
610 P. == —	B 605 — C 603 — C 643
610 R.C. == —	A 630
610 S.G. == A 642	C 603 — C 643
620 S.P. == B 605	
CT 08 == A 306	A 409 — A 415
CT 08x == A 303	A 425
CT 10 == —	B 406 — B 409 — B 405 — B 443
CT 10h == —	A 209
CT 10x == —	B 203 — C 243
CT 15 == —	A 609 — A 615
CT 15x == B 205	A 630
CT 25 == C 509A	C 603 — C 643
CT 25b == —	
CT 25x == B 605	A 609 — A 615
CT 199 == A 306	A 225
CT 201A == C 509A	
CT 215h == —	

COSMOS — MET-VICKERS (Gr.Br.)

Empf.-Röhren — Rec. valves — Lampes réc. — Válv. rec.

Cosmos Met-Vickers		P H I L I P S	
AC 227	=	F 209A	
AC/G	=	—	E 438 } 1) E 435 — E 442
AC/P2	=	E 408	2,3) E 415 — E 424
AC/R	=	E 409	E 408N - E 443N
AC/S	=	E 442	B 443
AC/X	=	—	E 415 — E 424
DE 11	=	A 106	} 2) A 109
DE 50	=	—	3) B 105
DE 55	=	—	A 609 — A 615
SP 16/B	=	—	A 609 — A 615
SP 16/G	=	—	A 225 -1) A 235 — B 242
SP 16/R	=	—	A 209
SP 18/B	=	—	A 209
SP 18/G	=	—	A 225 -1) A 235 — B 242
SP 18/R	=	—	A 209
SP 18/RR	=	B 205	B 205 — B 203 — C 243
SP 20/PA1	=	—	B 203 — C 243
SP 50/B	=	—	B 203 — C 243
SP 50/R	=	B 605	A 630 -1) A 635 — A 642
SP 55/B	=	—	C 603 — C 643
SP 55/R	=	B 605	A 630 -1) A 635 — A 642
SP 215/S	=	B 242	C 603 — C 643
SP 610/B	=	—	1) A 635 — A 642
SP 610/G	=	—	4) A 630
SP 610/RR	=	—	A 615
SP 625/P1	=	—	C 643
			B 605 — C 603 — C 643

Gleichr.-Röhren - Rect. valves Tubes redr. - Válv. rect.		Reg.-Röhren - Res. lamps Tubes rég. - Lámp. reg.	
Cosmos Met-Vickers	P H I L I P S	Cosmos Met-Vickers	P H I L I P S
SP 41/U	= 373		
SP 42/U	= 506		
SP 43/U	= 505		

COSSOR (Gr.Br.)

Empf.-Röhren — Rec. valves — Lampes réc. — Válv. rec.

Cossor		P H I L I P S
2 G 4	= A 441N	
82 M.D.	= —	C 125
88 M.H.F.	= —	C 125 — C 135 — C 142
88 M.L.F.	= —	C 109
88 M.P.	= —	D 105 — D 143
88 M.R.C.	= —	C 125
88 M.S.G.	= —	C 142
210 H.F.	= —	A 225 — A 235 — B 242
210 L.F.	= —	A 209
210 R.C.	= —	A 225
215 P.	= —	C 243
215 S.G.	= B 242	
220 P.	= —	B 203 — C 243
220 S.G.	= B 242	
230 P.	= B 203	C 243
230 P.T.	= C 243	
230 Q.T.	= C 243	
230 X.P.	= B 203	C 243
410 H.F.	= —	{ 1) A 425 — A 435 — A 442
410 L.F.	= —	{ 2) A 409 — A 415
410 P.	= B 409	A 415
410 R.C.	= —	B 405 — B 443
410 S.G.	= —	A 425
415 P.T.	= —	A 442
415 Q.T.	= —	B 443
415 S.P.	= B 405	B 443
415 X.P.	= B 405	B 443
610 H.F.	= —	{ 1) A 630 — A 635 — A 642
610 L.F.	= —	{ 2) A 609 — A 615
610 P.	= —	A 615
610 R.C.	= —	B 605 — C 603 — C 643
610 S.G.	= A 642	A 630
610 X.P.	= B 605	
615 P.T.	= C 643	C 603 — C 643
M. 41 H.F.	= —	E 438 { 1) E 435 — E 442
M. 41 L.F.	= E 415	{ 2) E 415 — E 424
M. 41 P.	= —	E 424
M. 41 R.C.	= E 438	C 443
M. 41 S.G.	= —	E 442
M. 41 S.P.	= —	B 405 — E 409 — B 443

Cossor	P H I L I P S	
M. 41 X.P. = —	C 405 — C 443	
M.H.F. = —	E 438 } 1) E 435 — E 442 2) E 415 — E 424	
M.L.F. = E 415	E 424	
M.P. = —	C 443	
M.R.C. = E 438	E 442	
M.S.G. = —	C 405 — C 443	
M.X.P. = —	} 1) A 410 — A 425 — A 435 — A 442 2,3) A 409 — A 415 A 609 — A 615	
P 1 = E		
P 3 = C 509A		
41M X P/A = —	E 406	
210 HL = A 225	C 443	
425 XP = —		

Gleichr.-Röhren - Rect. valves
Tubes redr. - Válv. rect.

Reg.-Röhren - Res. lamps
Tubes rég. - Lámp. reg.

Cossor

P H I L I P S

Cossor

P H I L I P S

44 SU = 373

412 BU = 506

412 SU = 505

408 BU = 1801

506 BU = 1821

CUNNINGHAM (U.S.A.)

Empf.-Röhren — Rec. valves — Lampes réc. — Válv. rec.

Cunningham	P H I L I P S	
C-11	=	—
C-299	=	A 306F
C-324	=	F 242
C-327	=	F 209A
CX-12	=	—
CX-112	=	C 508
CX-112-A	=	C 508
CX-220	=	A 303
CX-299	=	A 306
CX-300-A	=	—
CX-301-A	=	C 509A
CX-310	=	F 708
CX-322	=	B 342
CX-326	=	F 109A
CX-340	=	—
CX-345	=	F 203
CX-350	=	F 704
CX-371	=	C 603
CX-371-A	=	C 603
		B 105
		B 105
		B 605 — C 603 — C 643
		B 605 — C 603 — C 643
		A 615
		A 609 — A 615
		A 630
		D 243
		C 643
		C 643

Gleichr.-Röhren - Rect. valves Tubes redr. - Válv. rect.		Reg.-Röhren - Res. lamps Tubes rég. - Lámp. reg.	
Cunning- ham	P H I L I P S	Cunning- ham	P H I L I P S
CX-313	= 1560	C-376	= 1938
CX-316-B	= 1562		
CX-380	= 1560		
CX-381	= 1562		

CYRNOS (Fr.)

Empf.-Röhren — Rec. valves — Lampes réc. — Válv. rec.

Cyrnos		P H I L I P S
A 1005	= A 410	} 1) A 425 — A 435 — A 442 2,3) A 409 — A 415
A 1404	= —	
A 2403	= —	A 425 — A 435 — A 442
A 15008	= A 442	A 435 — A 442
AI 620	= —	C 405 — C 443
AI 1212	= —	} 1) E 438 — E 435 — E 442 2,3) E 415 — E 424
AI 15008	= —	
AL 1025	= E 408	E 442
Ampli	= —	E 408N — E 443N
B 712	= —	A 409 — A 415
B 1209	= —	B 406 — B 409 — B 405 — B 443
Bigrille	= A 441	A 409 — A 415
C 520	= —	E 408N — E 443N
Micro 0.06	= A 410	} 1,6) A 425 — A 435 — A 442 2,3) A 409 — A 415
TM	= E	
TM 1003	= E	A 410 — A 409 — A 415
		} 1,6) A 425 — A 435 — A 442 2,3) A 409 — A 415

Gleichr.-Röhren - Rect. valves Tubes redr. - Válv. rect.			Reg.-Röhren - Res. lamps Tubes rég. - Lámp. reg.		
Cyrnos		P H I L I P S	Cyrnos		P H I L I P S
B 1	=	1801	W 15	=	329
B 2	=	1560	W 20	=	452
B 3	=	1801			
B 80	=	1561			
B 420	=	1801			
B 440	=	506			
B 480	=	1561			
B 520	=	1560			
B 540	=	1560			
B 565	=	1560			
M 440	=	505			
M 465	=	1832			
M 765	=	1562			
Super Valve	=	505			
V 4	=	1800 1801			
V 50	=	1562			
V 125	=	328			
V 210	=	1002			
Valve 4 V	=	1800 1802			

DELTA — SPANNER (Dld.)

Empf.-Röhren — Rec. valves — Lampes réc. — Válv. rec.

Delta Spanner		P H I L I P S
D 05/2	= —	B 203 — C 243
D 05/4	= B 405	B 443
D 10/2	= —	A 209
D 10/4	= B 409	} 2,3) A 415
D 20/2	= —	} 5) B 405 — B 443
D 20/4	= —	1,4) A 225 -1) A 235 — B 242
DV 26	= —	1,4) A 425 -1) A 435 — A 442
DV 26/2	= —	A 109
DV 26/4	= —	A 209
DV 26/W	= —	A 409 — A 415
DV 27	= —	A 125
DV 27/2	= —	} 1,4) A 425 -1) A 435 — A 442
DV 27/2H	= —	} 2,3) A 415
DV 27/4	= —	} 1,4) A 225 -1) A 235 — B 242
DV 27/4H	= —	} 2,3) A 209
DV 52/2	= —	} 1,4) A 425 -1) A 435 — A 442
DV 52/4	= B 406	} 2,3) A 415
Gigant	= B 409	A 409 — A 415
K/AH	= —	} 1,4) A 425 -1) A 435 — A 442
K/N	= —	} 2,3) A 415
L/AH	= —	B 205 — B 203 — C 243
L/N	= —	B 409 — B 405 — B 443
		B 405 — B 443
		C 109
		D 105 — D 143
		E 415 — E 424
		C 405 — C 443

EAGLE (Öst.)

Empf.-Röhren — Rec. valves — Lampes réc. — Válv. rec.

Eagle		P H I L I P S	
A 206	= —	}	1) A 225 — A 235 — B 242
E 2 P	= B 205		2,3) A 209
E 2 PP	= B 203		B 203 — C 243
E 4 P	= B 405		C 243
E 4 PP	= B 403		B 443
E 6 P	= B 605		B 405 — B 443
E 205	= A 209		C 603 — C 643
E 205H	= A 209		A 225 — A 235 — B 242
E 206	= —	}	1) A 225 — A 235 — B 242
E 206RC	= A 225		2,3) A 209
E 210	= A 209		A 409 — A 415
E 404	= —		A 425 — A 435 — A 442
E 404H	= —		A 425
E 404W	= —	}	1) A 425 — A 435 — A 442
E 406	= A 409		2,3) A 415
E 406RC	= A 425		A 415
E 408	= —		A 415
E 410	= A 409		
E 415	= A 415		
E 606	= A 609	}	1) A 630 — A 635 — A 642
E 606RC	= —		2,3) A 615
Fr 12	= —		A 630
He 6	= A 409		A 425 — A 435 — A 442
La 204	= B 406		A 415
La 204c	= —	}	2) A 415
La 230	= —		5) B 409 — B 405 — B 443
La 306	= B 406		A 409 — A 415
La 306c	= A 425		A 209
La 430	= B 403	}	2,3) A 409 — A 415
La 430c	= A 409		5) B 409 — B 405 — B 443
La 430M	= B 403		1) A 435 — A 442
N 406	= A 409		B 405 — B 443
Na 4	= —		A 415
Re 3	= —		A 441
Th 5	= —		A 425
			A 409 — A 415

EAGLE (Üst.)

Empf.-Röhren — Rec. valves — Lampes réc. — Válv. rec.

Eagle		P H I L I P S
130 H	=	C 109
130 W	=	C 125
160 L	=	D 105
210 A	=	A 209
210 H	=	—
210 W	=	A 225
215 L	=	B 205
407 A	=	A 409
407 H	=	—
407 W	=	A 425
408 L	=	B 406
410 A	=	—
410 N	=	A 409
410 W	=	B 425
415 A	=	A 415
415 L	=	B 409
420 LL	=	B 403
430 K	=	—
475 K	=	—
WG 41	=	E 415
WG 42	=	E 424
WG 43	=	E 438
		1) C 125 — C 135 — C 142
		D 143
		1) A 225 — A 235 — B 242
		A 225 -1) A 235 — B 242
		1) A 235 — B 242
		B 203 — C 243
		A 415
		A 409 — A 415
		1) A 435 — A 442
		B 409 — B 405 — B 443
		B 415
		A 415
		A 415
		B 405 — B 443
		C 443
		E 408N — E 443N
		E 424

Gleichr.-Röhren - Rect. valves Tubes redr. - Válv. rect.		Reg.-Röhren - Res. lamps Tubes rég. - Lámp. reg.	
Eagle	P H I L I P S	Eagle	P H I L I P S
EG 407	=	1802	
EG 415	=	1802	
EG 430	=	1802	
EG 460	=	505	
EG 4100	=	505	
PR 2	=	506	
GG 3	=	1702	
GG 4	=	328	
GG 25	=	1701	
VG 215	=	1201	
VG 401	=	2506	
VG 460	=	506	
VG 4100	=	1561	
VG 4200	=	1561	

ECLIPSE — LUTECE LUMIERE (Fr.)

Empf.-Röhren — Rec. valves — Lampes réc. — Válv. rec.

Eclipse Lutèce Lumière		P H I L I P S	
2 G 412	==	A 441N	
E 402	==	C 405	D 404 — E 406
G 412	==	—	A 415
H 430	==	A 425	1) A 435 — A 442
L 408	==	B 409	B 405 — B 443
P 403	==	D 404	E 406
P 405	==	B 405	B 443
S 205	==	F 203	D 243
S 210	==	F 209A	
S 215	==	F 215	

Gleichr.-Röhren - Rect. valves Tubes redr. - Válv. rect.		Reg.-Röhren - Res. lamps Tubes rég. - Lámp. reg.	
Eclipse Lutèce Lumière	P H I L I P S	Eclipse Lutèce Lumière	P H I L I P S
41	= 1800 / 802		
420	= 1801		
B 207	= 1201		
B 507	= 1560		
M 730	= 1562		

EDISWAN (Gr.Br.)

Empf.-Röhren — Rec. valves — Lampes réc. — Válv. rec.

Ediswan		P H I L I P S
•8 G 17	= —	) 1) C 125 — C 135 — C 142 2) C 109 D 105 — D 143
•8 P 5	= —	
5 E 225	= C 243	
5 E 415	= B 443	
AR (HF)	= E	) 1) A 410 — A 425 — A 435 — A 442 2,3) A 409 — A 415
AR 06 HF	= A 410	
AR 06 LF	= A 306	
AR DE (HF)	= —	A 225 — A 235 — B 442
AR DE (LF)	= —	A 209
BS 215	= B 242	
DR 2	= —	A 209
ES 5 HF	= —	A 630 — A 635 — A 642
ES 5 LF	= —	A 609 — A 615
GP 2	= —	) 1) A 235 — B 242 2,3) A 209
GP 4	= A 410	
HF 210	= —	A 425 — A 435 — A 442
HF 410	= A 425	A 225 — A 235 — B 242
HF 610	= A 630	A 435 — A 442
LF 210	= —	1) A 635 — A 642
LF 410	= —	A 209
LF 410a	= B 409	A 415
LF 610	= —	A 415
MI 41 LF	= E 415	A 615
MI 41 RC	= —	E 424
PV 2	= B 205	E 438
PV 4	= A 409	B 203 — C 243
PV 5(DE)	= C 509A	5) B 406 — B 409 — B 405 — B 443
PV 6(DE)	= —	A 609 — A 615
PV 8(DE)	= A 306	B 205 — B 203 — C 243
PV 215	= —	5) A 303
PV 225	= —	B 205 — B 203 — C 243
PV 410	= B 406	B 203 — C 243
PV 425	= —	B 409 — B 405 — B 443
PV 610	= B 605	B 403 — B 405 — B 443
PV 625	= —	C 603 — C 643
PV 625A	= C 603	B 605 — C 603 — C 643
PV 625X	= C 603	C 643
R	= E	C 643
RC 2	= —	) 1) A 410 — A 425 — A 435 — A 442 2,3) A 409 — A 415
		A 225

Ediswan		P H I L I P S	
RC 210	= —	A 225	
RC 410	= —	A 425	
RC 610	= —	A 630	
SG 215	= B 242		
SG 410	= A 442		
SG 610	= A 642		

Gleichr.-Röhren - Rect. valves Tubes redr. - Válv. rect.		Reg.-Röhren - Res. lamps Tubes rég. - Lámp. reg.	
Ediswan		P H I L I P S	
HU 235	= 1701	BU 200	= 329
U 235	= 328		

DE FOREST — AUDION (U.S.A.)

Empf.-Röhren — Rec. valves — Lampes réc. — Válv. rec.

De Forest Audion		P H I L I P S
401-A	= C 509A	A 609 — A 615
410	= F 708	
412-A	= C 508	B 605 — C 603 — C 643
420	= A 303	
420A	= A 303	
422	= B 342	
422-A	= B 342	
424	= F 242	
426	= F 109A	
427	= F 209A	
440	= —	A 630
445	= F 203	D 243
450	= F 704	
471 A	= C 603	C 643
471 B	= C 603	C 643
499	= A 306	
DL 2	= C 509A	A 609 — A 615
DL 3	= A 306	
DL 4	= C 509A	A 609 — A 615
DL 5	= C 509A	A 609 — A 615
DL 7	= C 508	B 605 — C 603 — C 643
DL 9	= TB 04/10	
DL 14	= C 603	C 643
DL 15	= —	A 615
DV 3 A	= A 306F	

Gleichr.-Röhren - Rect. valves Tubes redr. - Válv. rect.		Reg.-Röhren - Res. lamps Tubes rég. - Lámp. reg.	
De Forest Audion	P H I L I P S	De Forest Audion	P H I L I P S
480	= 1560		
481	= 1562		
DR	= 1562		

FOTOS — GRAMMONT (Fr.)

Empf.-Röhren — Rec. valves — Lampes réc. — Válv. rec.

Fotos Grammont		P H I L I P S	
309 = Microtriode			
320 = BF. 0			
406 = Radiofotos			
411 = BF. 1			
A 9	= A 410	}	1) A 425 — A 435 — A 442
A 25	= A 425		2,3) A 409 — A 415
B 9	= A 410 N		1) A 435 — A 442
B 25	= —		A 425
BD 100	= C 243		
BF. 0	= —		A 303
BF.1	= B 406		B 409 — B 405 — B 443
BF.2	= —		B 409 — B 405 — B 443
Bigrille Ampl.	= —		A 441
Bigr. Osc. 40 V	= —		A 441 N
Bigr. Osc. 80 V	= —		A 441 N
C 9	= A 409		A 415
C 25	= A 425		
C 150	= —		A 442
Continu	= —		B 415
D 5	= B 405		B 443
D 9	= B 409		B 405 — B 443
D 15	= A 415		
D 40	= A 425		
D 100	= B 443		
Détection	= —		A 409 — A 415
F 100	= C 443		
HF	= —		A 425 — A 435 — A 442
M 20	= —		A 441
M 40	= —		A 441 N
M 80	= —		A 441 N
MF	= —		A 425 — A 435 — A 442
Microtriode	= A 410		
MX 20	= —		A 441
MX 40	= —		A 441 N
MX 80	= —		A 441 N
P 10	= —		E 406
P 12	= —		C 443
Radiofotos	= A 410	}	1) A 425 — A 435 — A 442
Réseau Altern.	= —		2,3) A 409 — A 415
Réseau Continu	= —		F 109
S 2	= F 209		B 415

Fotos Grammont		P H I L I P S	
S 4	=	—	E 415 — E 424
S 210	=	F 209	
S 410	=	—	E 415 — E 424
S 415	=	E 415	
S 425	=	—	E 438 — E 435 — E 442
S 440	=	E 438	1) E 435 — E 442
S 2150	=	F 242	
S 4150	=	—	E 442
SM 4	=	E 441	
Universel	=	E	1) A 410 — A 425 — A 435 — A 442
			2,3) A 409 — A 415
Universel C	=	A 410	1) A 425 — A 435 — A 442
			2,3) A 409 — A 415
F 5	=	D 404	
F 10	=	—	E 406
S 415N	=	E 415	E 424
S 440N	=	E 438	1) E 435 — E 442
T 425	=	E 424	
T 4150	=	E 442S	
TM 4	=	E 441	

Gleichr.-Röhren - Rect. valves Tubes redr. - Válv. rect.		Reg.-Röhren - Res. lamps Tubes rég. - Lámp. reg.	
Fotos Grammont	P H I L I P S	Fotos Grammont	P H I L I P S
E 0	= 1800 1802	Régulateur 1005	= 452
V 0	= 373	Régulateur 1201	= 1003
V 6	= 506		
V 6N	= 506		
V 12	= 1560		
V 20	= 506		
V 30	= 1560		
Valvgaz 1004	= 451		
Valvgaz 1200	= 1002		
Valvgaz 3006	= 1129		
W 6	= 1561		

HEUSSEN (Holl.)

Empf.-Röhren — Rec. valves — Lampes réc. — Válv. rec.

Heussen		P H I L I P S	
A 2.06	= —	A 209	
A 4.06	= A 409	A 415	
E 2.12	= B 203	C 243	
E 4.10	= B 405	B 443	
H 2.06	= —	A 225 — A 235 — B 242	
H 4.06	= —	A 425 — A 435 — A 442	
HS 4.08	= A 442		
N 2.06	= —	A 209	
N 4.06	= —	A 409 — A 415	
U 4.10	= A 415		
W 2.06	= —	A 225	

Gleichr.-Röhren - Rect. valves Tubes redr. - Válv. rect.		Reg.-Röhren - Res. lamps Tubes rég. - Lámp. reg.	
Heussen	P H I L I P S	Heussen	P H I L I P S
Duplotron	= 506		
Simplotron	= 373		

KREMENEZKY — ORION (Öst.)

Empf.-Röhren — Rec. valves — Lampes réc. — Válv. rec.

Kremenezky Orion		P H I L I P S
A 4	==	A 409
A 10	==	A 410
A 11	==	A 410
A 12	==	A 410
A 14	==	—
A 15	==	—
A 16	==	—
A 18	==	A 409
A 19	==	B 406
A 20 Baby	==	—
A 21	==	A 410
A 22	==	—
A 23	==	—
A 24	==	B 406
A 25	==	B 403
A 41	==	A 410
A 42	==	—
A 43	==	—
A 49	==	A 409
A 57	==	C509A
A199	==	A 410
B 9	==	A 441
B 10	==	A 441
B 11	==	A 441
DG 4	==	A 441
E 4	==	B 409
E 10	==	A 410
E 11	==	A 410
E 14	==	—
E 15	==	—
H 4	==	A 415
L 4	==	B 405
L 24	==	B 406
L 43	==	B 443
L 44	==	B 406
		A 415
		1) A 425 — A 435 — A 442
		2,3) A 409 — A 415
		1) A 425 — A 435 — A 442
		2,3) A 409 — A 415
		1) A 425 — A 435 — A 442
		2,3) A 409 — A 415
		A 425 — A 435 — A 442
		A 409 — A 415
		A 409 — A 415
		5) B 406 — B 409 — B 405 — B 443
		B 409 — B 405 — B 443
		1) A 225 — A 235 — B 242
		2,3) A 209
		1) A 425 — A 435 — A 442
		2,3) A 409 — A 415
		A 425
		2,3) A 409 — A 415
		6) A 410 — A 425 — A 435 — A 442
		B 409 — B 405 — B 443
		B 405 — B 443
		1) A 425 — A 435 — A 442
		2,3) A 409 — A 415
		A 425
		A 425
		A 415
		A 609 — A 615
		A 415
		1) A 425 — A 435 — A 442
		2,3) A 409 — A 415
		1) A 425 — A 435 — A 442
		2,3) A 409 — A 415
		A 425 — A 435 — A 442
		A 409 — A 415
		B 443
		B 409 — B 405 — B 443
		B 409 — B 405 — B 443

Kremenezky
Orion

P H I L I P S

LL 4 = D 404
 LL 25 = B 403
 NA 4 = —
 ND 4 = —

NDG 4 = E 441
 NH 4 = E 415
 NS 4 = E 442
 NW 4 = E 438
 P 4 = E 406

P 205 = A 409

P 207 = B 406

P 209 = A 409

P 211 = —

S 4 = A 442

W 4 = A 425

E 43 = ca. C 443

H 100 = B 415

L 103 = B 543

S 100 = B 442

W 100 = B 425

E 406

B 405 — B 443

E 409 — E 415 — E 424

E 424

E 424

} 3) A 415

} 5) B 406 — B 409 — B 405 — B 443

B 409 — B 405 — B 443

} 3) A 415

} 5) B 406 — B 409 — B 405 — B 443

A 425

Gleichr.-Röhren - Rect. valves Tubes redr. - Válv. rect.		Reg.-Röhren - Res. lamps Tubes rég. - Lámp. reg.	
Kremenezky Orion	P H I L I P S	Kremenezky Orion	P H I L I P S
GL 2.5/1.5	= 1201		
GL 4	= 1561		
GL 4/0.15	= 1801 1802		
GL 4/0.30	= 1801		
GL 4/1	= 506		
GL 4/2	= 1561		
3032	= 1702	3072	= 1001
		3073	= 329

LISSEN (Gr.Br.)

Empf.-Röhren — Rec. valves — Lampes réc. — Válv. rec.

Lissen	P H I L I P S
H 210 = — HL 210 = A 225 L 210 = A 209 P 220 = B 205 PT 225 = C 243 PT 240 = C 243 PX 240 = B 203 SG 215 = B 242	A 225 -1) A 235 — B 242 B 203 — C 243 C 243
H 410 = — HLD 410 = A 425 L 410 = A 415 P 410 = B 409 P 425 = — PT 425 = —	A 435 — A 442 B 405 — B 443 B 443 C 443

Gleichr.-Röhren - Rect. valves Tubes redr. - Válv. rect.		Reg.-Röhren - Res. lamps Tubes rég. - Lámp. reg.	
Lissen	P H I L I P S	Lissen	P H I L I P S
UU 41 = 1821			

LOEWE (Dld.)

Gleichr.-Röhren - Rect. valves Tubes redr. - Válv. rect.		Reg.-Röhren - Res. lamps Tubes rég. - Lámp. reg.	
Loewe	P H I L I P S	Loewe	P H I L I P S
2 NG	= 1201		
4 NG	= 506		
6 NG	= 1562		
8 NG	= 1201		
10 NG	= 373		

LORENZ (Dld.)

Empf.-Röhren — Rec. valvės — Lampes réc. — Válv. rec.

Lorenz		P H I L I P S	
LA 408	=	A 415	
LAJ 4100	=	E 415	E 424.
LH 206	=	—	A 209
LH 406	=	A 409	A 415
LH 406D	=	A 442	
LH 414	=	A 409	} 1) A 425 — A 435 — A 442 2) A 415
LH 415	=	—	
LHJ 4100D	=	—	A 409 — A 415
LL 215	=	B 205	E 442
LL 413	=	B 409	B 203 — C 243
LL 415	=	—	B 405 — B 443
LL 415D	=	B 443	B 409 — B 405 — B 443
LL 435	=	B 406	B 409 — B 405 — B 443
LLK 160	=	—	D 105 — D 143
LU 206	=	—	A 209
LU 406	=	A 410	} 1) A 425 — A 435 — A 442 2,3) A 409 — A 415
LUJ 4110	=	—	
LUK 151	=	—	E 415 — E 424
LV 90	=	A 306	C 109
LV 206	=	A 209	
LV 215	=	—	
LV 250	=	A 303	B 205 — B 203 — C 243
LV 406	=	A 410	} 1) A 425 — A 435 — A 442 2,3) A 409 — A 415
LV 415	=	—	
LW 205	=	A 225	B 406 — B 409 — B 405 — B 443
LW 405	=	—	
LWJ 4100	=	E 438	A 425
LWK 150	=	—	C 125

Gleichr.-Röhren - Rect. valves Tubes redr. - Válv. rect.		Reg.-Röhren - Res. lamps Tubes rég. - Lámp. reg.	
Lorenz	P H I L I P S	Lorenz	P H I L I P S
LG 4150 = 506			

MARCONI — OSRAM — GECO (Gr.Br.)

Empf.-Röhren — Rec. valves — Lampes réc. — Válv. rec.

P H I L I P S	
C 125	A 225 — A 235 — B 242
A 225	A 209
A 409	A 415
A 609	A 615
C 508	B 605 — C 603 — C 643
A 630	A 209
A 241	A 635 — A 642
A 630	A 615
A 235	B 242
A 425-1)	A 435 — A 442
A 630-1)	A 635 — A 642
A 630-1)	A 635 — A 642
A 209	
A 609	B 405 — B 443
B 203	C 603 — C 643
A 209	
C 135	C 142
C 125	
A 225	
A 425	
A 630	
C 125	A 235 — B 242
A 225-1)	A 435 — A 442
A 425-1)	A 635 — A 642
A 630-1)	E 438 — E 442
E 438-1)	E 435 — E 442
E 438	E 424
E 415	
B 443	
A 225	A 235 — B 242
E 435	E 442

Marconi Osram Geco	P H I L I P S
M.H 4c == E 438	1) E 435 — E 442
M.HL 4 == E 415	E 424
M.HL 4c == E 415	E 424
M.L 4 == E 409	B 443
M.S 4 == E 442	
M.S. 4 C == E 442	
P·8 == —	D 105 — D 143
P 2 == —	C 243
P.215 == B 205	B 203 — C 243
P.240 == B 203	C 243
P.410 == B 406	3) A 409 — A 415
P.425 == B 405	5) B 409 — B 405 — B 443
P.610 == B 605	B 443
P.625 == —	3) A 609 — A 615
P.625A == C 603	5) C 603 — C 643
PT·8 == D 143	C 643
PT.235 == C 243	C 643
PT.240 == C 243	
PT.425 == B 443	
PT.625 == C 643	
P.X. 4 == D 404	E 406
P.X. 4C == —	E 406
S·8 == C 142	
S.215 == B 242	
S.410 == A 442	
S.610 == A 642	
S.625 == —	A 642
H 2 == —	
HL 2/c == A 225	A 235 — B 242

Gleichr.-Röhren - Rect. valves Tubes redr. - Válv. rect.		Reg.-Röhren - Res. lamps Tubes rég. - Lámp. reg.	
Marconi Osram Geco	P H I L I P S	Marconi Osram Geco	P H I L I P S
U 5	= 1560		
U 9	= 506		
U 9C	= 506		
U 10	= 1821		

MARS — ELEKTRA (Čz.)

Empf.-Röhren — Rec. valves — Lampes réc. — Válv. rec.

Mars Elektra		P H I L I P S
1J	= B 406	B 409 — B 405 — B 443
Amplio- tron A	= —	A 409 — A 415
Amplio- tron D	= —	A 409 — A 415
AS	= E	} 1) A 410 — A 425 — A 435 — A 442 } 2,3) A 409 — A 415
BS	= E	} 1) A 410 — A 425 — A 435 — A 442 } 2,3) A 409 — A 415
CS	= E	} 1) A 410 — A 425 — A 435 — A 442 } 2,3) A 409 — A 415
D	= E	} 1) A 410 — A 425 — A 435 — A 442 } 2,3) A 409 — A 415
DM	= —	A 441
E 201 A	= C509A	A 609 — A 615
G	= A 410	} 1) A 425 — A 435 — A 442 } 2,3) A 409 — A 415
L M	= A 410	} 1) A 425 — A 435 — A 442 } 2,3) A 409 — A 415
Micro	= —	A 410 } 1) A 425 — A 435 — A 442 } 2,3) A 409 — A 415
O	= A 410	} 1) A 425 — A 435 — A 442 } 2,3) A 409 — A 415
R 14	= —	A 410 } 1) A 425 — A 435 — A 442 } 2,3) A 409 — A 415
R 24	= —	A 425
Radio		} 1) A 425 — A 435 — A 442 } 2,3) A 409 — A 415
Micro	= A 410	A 425
Super	= —	A 409 — A 415
Ultra		B 406 — B 409 — B 405 — B 443
Micro	= —	B 205 — B 203 — C 243
US	= —	A 425
VH 11	= —	E 415 — E 424
X	= —	
ZN 1	= —	

Gleichr.-Röhren - Rect. valves Tubes redr. - Válv. rect.		Reg.-Röhren - Res. lamps Tubes rég. - Lámp. reg.	
Mars Elektra	P H I L I P S	Mars Elektra	P H I L I P S
U 1 = 1560			

MAZDA — B.T.H. (Gr. Br.)

Empf.-Röhren — Rec. valves — Lampes réc. — Válv. rec.

Mazda B.T.H.		P H I L I P S
215 SG	= B 242	
230Pen	= C 243	
425 Pen	= B 443	
AC/HL	= —	1) E 438 — E 425 — E' 442
AC/P	= —	2) E 424
AC/P1	= —	C 443
AC/Pen	= —	C 405 — C 443
AC/SG	= E 442	
B 3	= —	A 209
B 4	= C 508	B 605 — C 603 — C 643
B 4 H	= A 630	
B 5	= A 306	
B 6	= A 306	
B 7	= A 609	A 615
B 8	= —	A 225
B 11	= C 603	C 643
B 12	= —	F 704
B 21	= —	A 235 — B 242
B 22	= —	A 209
B 23	= —	A 209
B 30	= —	C 643
B 210 H	= —	A 235 — B 242
B 210 L	= —	A 209
B 215 P	= B 205	B 203 — C 243
GP 210	= —	A 209
GP 407	= —	1) A 425 — A 435 — A 442
		2,3) A 415
GP 607	= —	1) A 630 — A 635 — A 642
		2,3) A 615
H. 210	= —	A 225 -1) A 235 — B 242
H. 607	= —	A 630
HF 210	= —	A 225 — A 235 — B 242
HF 407	= —	A 425 — A 435 — A 442
HF 607	= —	A 630 — A 635 — A 642
HL. 210	= A 225	1) A 235 — B 242
		2,3) A 209
HL. 607	= —	1) A 630 — A 635 — A 642
		2,3) A 609 — A 615
L. 210	= —	1) A 225 — A 235 — B 242
		2,3) A 209
LF 215	= —	A 209
LF 407	= A 409	A 415

Mazda B.T.H.		P H I L I P S	
LF 607	= A 609	A 615	
P. 220	= —	C 243	
P. 227	= —	B 203 — C 243	
P. 240	= —	C 243	
P. 415	= —	B 405 — B 443	
P. 425	= B 403	B 405 — B 443	
P. 615	= —	B 605 — C 603 — C 643	
P. 625A	= —	C 643	
P. 625B	= —	C 643	
P. 650	= —	C 643	
PP 3/425	= —	F 704	
PX 650	= —	C 643	
RC 210	= —	A 225	
RC 407	= —	A 425	
RC 607	= —	A 630	
SG 207	= —	B 242	
HL 610	= A 630		
HL 610	= —	A 630	
PP 5/400	= E 408N	E 443N	

Gleichr.-Röhren - Rect. valves Tubes redr. - Válv. rect.		Reg.-Röhren - Res. lamps Tubes rég. - Lámp. reg.	
Mazda B.T.H.	P H I L I P S	Mazda B.T.H.	P H I L I P S
U 30/250 = 373			
U 65/550 = 1562			
U 75/300 = 505			
U U 60/250 = 1821			
•RH 1 = 1562			
•U 60/500 = 505			
•UU 2 = 1821			
•UU 30/250 = 1801			
•UU 120/250 = ca. 1561			

METAL — COMPAGNIE DES LAMPES

Empf.-Röhren — Rec. valves — Lampes réc. — Válv. rec.

Métal		P H I L I P S
0.06	= A 410	{ 1) A 425 — A 435 — A 442
		{ 2,3) A 409 — A 415
0.06 D	= A 410	{ 1) A 425 — A 435 — A 442
		{ 2,3) A 409 — A 415
0.06 DG	= A 441	
AZ 920	= A 109	
BW 6	= F 242	
BW 303	= —	B 203 — C 243
BW 1010	= F 209	
BY 1013	= —	A 209
CL 25	= —	A 425
CL 52	= —	A 209
CL 62	= —	{ 1) A 225 — A 235 — B 242
		{ 2,3) A 209
CL 63A	= A 306	
CL 63B	= A 410	
CL 64B	= —	A 425
CL 104	= B 406	B 409 — B 405 — B 443
CL 124	= B 406	B 409 — B 405 — B 443
CL 152	= —	A 225
CL 162	= —	A 209 -5) B 205 — B 203 — C 243
CL 164	= —	A 425
CL 202	= —	{ 1) A 225 — A 235 — B 242
		{ 2,3) A 209
CL 252	= —	{ 1) A 225 — A 235 — B 242
		{ 2,3) A 209
CL 254	= —	A 425
CL 502	= —	A 209 -5) B 205 — B 203 — C 243
CL 504	= —	A 425
CL 505	= —	C 508 — B 605 — C 603 — C 643
CL 1257	= TB 04/10	
DW 1	= E 441	
DW 2	= —	E 442
DW 702	= —	B 443
DW 704	= —	E 409 — B 443
DW 1003	= E 409	B 443
DW 1111	= —	E 415 — E 424
DW 1508	= E 415	E 424
DW 3020	= —	E 438
DW 3559	= E 435	E 442
DX 3	= B 443	
DX 502	= B 405	B 443
DX 804	= B 409	B 405 — B 443

Métal	P H I L I P S	
DY 604	= B 406	B 409 — B 405 — B 443
DZ 1	= A 441	
DZ 2	= A 442	
DZ 908	= A 409	A 415
DZ 813	= —	A 409 — A 415
DZ 1508	= A 415	
DZ 2222	= A 425	
DZ 3529	= A 435	A 442
Ecran	= A 442	
FW 402	= —	C 643
FZ 906	= A 609	A 615
GM	= —	A 441
RM	= —	A 441
TM	= E	1) A 410 — A 425 — A 435 — A 442
TMD	= —	2,3) A 409 — A 415
		B 406 — B 409 — B 405 — B 443
BW 3	= C 243	
BW 602	= —	C 243
BY 1	= A 241	
BY 6	= B 242	
BY 1814	= —	A 225 — A 235 — B 242
BY 2023	= A 225	A 235 — B 242
DW 6	= E 442	
DW 302	= —	D 404 — E 406
DW 4023	= E 438	
GW 402	= F 704	

Gleichr.-Röhren - Rect. valves Tubes redr. - Válv. rect.		Reg.-Röhren - Res. lamps Tubes rég. - Lámp. reg.	
Métal	P H I L I P S	Métal	P H I L I P S
K 15	= 1560		
K 30	= 1562		
KD 02.30	= 1800 1802		
KD 02.30B	= 1801		
D 3-80B	= 1561		
KD 05.125B	= 1561		

MICROLUX — MICRAD — BERTRAND (Fr.)

Empf.-Röhren — Rec. valves — Lampes réc. — Válv. rec.

Microlux Micrad Bertrand		P H I L I P S
A 1	= A 410	{ 1) A 425 — A 435 — A 442 2,3) A 409 — A 415
A 1 D	= A 410	{ 1) A 425 — A 435 — A 442 2,3) A 409 — A 415
A.10	= A 410	A 425 — A 435 — A 442
A.25	= A 425	6) A 435 — A 442
A.42	= A 442	
A 161	= —	{ 1) A 225 — A 235 — B 242 2,3) A 209
BG 7	= A 441N	
C 2	= A 410	{ 1) A 425 — A 435 — A 442 2,3) A 409 — A 415
C 3	= —	B 406 — B 409 — B 405 — B 443
C 4	= A 409	{ 3) A 415 5) B 406 — B 409 — B 405 — B 443
C 183	= —	B 205 — B 203 — C 243
G 7	= —	A 441
Microwelt	= A 410	{ 1) A 425 — A 435 — A 442 2,3) A 409 — A 415
P.5	= B 405	B 443
P.6	= B 406	{ 3) A 415 5) B 409 — B 405 — B 443
P.43	= B 443	
U.9	= A 409	A 415

MULLARD (Gr. Br.)

Empf.-Röhren — Rec. valves — Lampes réc. — Válv. rec.

Mullard		P H I L I P S
102 T	= F 209A	
104 V	= E 409	B 443
144 V	= E 414	
152 T	= F 215	
154 T	= E 415	E 424
164 T	= E 415	E 424
244 V	= E 424	
354 V	= E 438	
AC 3	= F 109A	
AC 4	= C 603	C 643
AC 044	= D 404	E 406
AC 064	= E 406	
AC 084	= E 408	E 408N — E 443N
AC 084N	= E 408N	E 443N
DO/20	= F 704	
DO/24	= F 410	F 443
PM 1 A	= —	A 225
PM 1 HF	= —	A 225 — A 235 — B 242
PM 1 HL	= A 225	
PM 1 LF	= —	A 209
PM 2	= B 205	B 203 — C 243
PM 2 DT	= B 216	
PM 3	= —	1) A 425 — A 435 — A 442
PM 3 A	= —	2,3) A 415
PM 3 D	= B 424	A 435 — A 442
PM 4 DS	= A 414K	
PM 4 DX	= { B 415§)	
	= { A 415	
PM 4 DX*	= A 414	1) A 635 — A 642
PM 5	= —	4) A 630
PM 5 B	= —	A 635 — A 642
PM 5 D	= A 630	1) A 635 — A 642
PM 5 X	= —	1) A 635 — A 642
		4) A 630
PM 6	= B 605	C 603 — C 643
PM 6 D	= A 615	
PM 11	= C 142	
PM 12	= B 242	
PM 13	= B 442	
PM 14	= A 442	

§) Gleichstromnetz. - §) D.C. mains. - §) Réseaux à courant continu. -
§) Redes de corriente continua.

Mullard	P H I L I P S	
PM 14*	=	A 442K
PM 16	=	A 642
PM 21	=	D 143
PM 22	=	C 243
PM 24	=	B 443
PM 24 A	=	C 443
PM 24 B	=	E 443
PM 24 C	=	E 443N
PM 25	=	B 543
PM 26	=	C 643
PM 224	=	F 242
PM 245	=	F 203
PM 252	=	B 203
PM 254	=	B 405
PM 256	=	—
PM 256 A	=	—
S 4 V	=	E 442
PM 24D	=	F 443
PM 24X	=	C 443N

Gleichr.-Röhren - Rect. valves Tubes redr. - Válv. rect.		Reg.-Röhren - Res. lamps Tubes rég. - Lámp. reg.	
Mullard	P H I L I P S	Mullard	P H I L I P S
DU/1	= 1800 1801		
DU/2	= 506		
DU/5	= 373		
DU/10	= 373		
DU/15	= 1562		
DW/1	= 1801		
DW/2	= 1821		

NEUTRON (Gr.Br.)

Empf.-Röhren — Rec. valves — Lampes réc. — Válv. rec.

Neutron			P H I L I P S		
H 220	=	—			A 225
H 406 HF	=	A 410	)	1)	A 425 — A 435 — A 442
HF 2	=	—		2,3)	A 409 — A 415
HF 4	=	—			A 225 — A 235 — B 243
HF 6	=	—			A 425 — A 435 — A 442
L 220 LF	=	—			A 630 — A 635 — A 642
L 406 LF	=	—			A 209
LF 2	=	—			A 409 — A 415
LF 4	=	—			A 209
LF 6	=	—			A 409 — A 415
LP 2	=	—			A 609 — A 615
LP 4	=	B 406			B 205 — B 203 — C 203
LP 6	=	B 605			B 409 — B 405 — B 443
P 430	=	—			C 603 — C 643
P 525	=	—			B 406 — B 409 — B 405 — B 443
					C 508 — B 605 — C 603 — C 643

OXYTRON (Holl.)

Empf.-Röhren — Rec. valves — Lampes réc. — Válv. rec.

Oxytron		P H I L I P S	
K 412	== —	E 408N - E 443N	
K 712	== TB C4/10		
OX 45	== B 405	B 443	
OX 46	== B 406	B 409 — B 405 — B 443	
OX 49	== A 409	A 415	
OX 154	== A 415		
OX 254	== —	A 425 -1) A 435 — A 442	
OX 304	== A 442		
Selector	== A 415		

Gleichr.-Röhren - Rect. valves Tubes redr. - Válv. rect.		Reg.-Röhren - Res. lamps Tubes rég. - Lámp. reg.	
Oxytron	P H I L I P S	Oxytron	P H I L I P S
DR 40	= 1561	Res. 3	= 452
KR 7	= 1562	Res. 6	= 329
L 102	= 1002		
L 152	= 328		
L 216	= 1702		
R 40	= 505		

POWERTONE (Üst.)

Empf.-Röhren — Rec. valves — Lampes réc. — Válv. rec.

Powertone		P H I L I P S
206 U	=	A 209
206 W	=	—
210 L	=	—
210 U	=	—
210 W	=	—
212 SG	=	B 242
215 Bi	=	A 441N
215 L	=	—
215 Pent.	=	C 243
406 H	=	—
406 N	=	—
406 U	=	A 409
406 W	=	A 425
410 L	=	B 406
415 Pent.	=	B 443
415 SG	=	A 442
415 SL	=	B 405
1004/AL	=	E 438
1005/AL	=	—
1104/AL	=	—
B 215	=	A 441N
DS 408	=	—
GP 416	=	—
GPP 446	=	B 443
H 406	=	—
KR 410	=	—
L 410	=	B 406
N 406	=	—
SL 415	=	B 405
Spezial		
Detektor	=	—
U 406	=	—
W 406	=	A 425

1) A 225 — A 235 — B 242

A 225

C 243

} 1) A 225 — A 235 — B 242

} 2,3) A 209

A 225

B 205 — B 203 — C 243

} 1) A 425 — A 435 — A 442

} 2,3) A 409 — A 415

A 409 — A 415

} 1) A 425 — A 435 — A 442

} 2,3) A 415

B 409 — B 405 — B 443

B 443

1) E 435 — E 442

E 415 -5) E 409 — B 443

E 415 — E 424

A 425

B 405 — B 443

A 425 — A 435 — A 442

A 415

B 409 — B 405 — B 443

A 409 — A 415

B 443

A 415

} 1) A 425 — A 435 — A 442

} 2,3) A 409 — A 415

P.R. — PETER RUSSELL (Gr.Br.)

Empf.-Röhren — Rec. valves — Lampes réc. — Válv. rec.

P.R. Peter Russell	P H I L I P S	
GPR 2	==	—
GPR 3	==	—
GPR 4	==	—
GPR 9	==	—
GPR 10	==	—
GPR 11	==	—
GPR 17	==	—
GPR 18	==	—
GPR 19	==	—
GPR 20	==	B 205
GPR 40	==	—
GPR 60	==	—
GPR 120	==	B 203
GPR 140	==	—
PR 1	==	—
PR 2	==	—
PR 3	==	—
PR 4	==	—
PR 8	==	—
PR 9	==	A 410
PR 10	==	—
PR 11	==	—
PR 16	==	—
PR 17	==	—
PR 18	==	—
PR 19	==	—
PR 20	==	—
PR 40	==	—
PR 60	==	—
PR 120	==	B 205
PR 140	==	B 403
SG 25	==	B 242
SG 45	==	A 442
A 225 -1) A 235 — B 242		
A 209		
A 225		
A 425 -1) A 435 — A 442		
A 409 — A 415		
A 425		
A 630 -1) A 635 — A 642		
A 609 — A 615		
A 630		
B 203 — C 243		
B 409 — C 405 — C 443		
B 605 — C 603 — C 643		
C 243		
C 405 — C 443		
A 225 — A 235 — B 242		
A 225 — A 209		
A 209		
A 225		
A 425 — A 435 — A 442		
A 425 — A 409 — A 415		
A 409 — A 415		
A 425		
A 630 — A 635 — A 642		
A 630 — A 609 — A 615		
A 609 — A 615		
A 630		
B 205 — B 203 — C 243		
B 406 — B 409 — B 405 — B 443		
B 605 — C 603 — C 643		
B 203 — C 243		
B 409 — B 405 — B 443		

RADIO-RECORD — RADIUM (Holl.)

Empf.-Röhren — Rec. valves — Lampes réc. — Válv. rec.

Radio-Record Radium		P H I L I P S
2 LO	=	B 403
5 XX	=	A 410
A 2004	=	A 442
DM 15	=	A 241
DM 300	=	A 441
Dn 44	=	E 441
Dn 64	=	E 409
Dn 154	=	E 415
Dn 404	=	E 438
Dn 1004	=	C 443
Dn 2004	=	—
M 15	=	—
M 64	=	C 405
M 72	=	—
M 102	=	A 209
M 104	=	—
M 144	=	A 415
M 212	=	A 225
M 300	=	A 409
M 350	=	—
M 400	=	B 406
M 1004	=	B 443
N 62	=	—
N 114	=	F 209
N 252	=	C 125
T 34	=	D 404
T 104	=	—
		B 405 — B 443
		1) A 425 — A 435 — A 442
		2,3) A 409 — A 415
		B 443
		E 424
		E 442
		1) A 235 — B 242
		2,3) A 209
		C 443
		B 205 — B 203 — C 243
		B 405 — B 443
		A 415
		A 425
		B 409 — B 405 — B 443
		D 105 — D 143
		E 406
		F 410 — F 443

Gleichr.-Röhren - Rect. valves Tubes redr. - Válv. rect.		Reg.-Röhren - Res. lamps Tubes rég. - Lámp. reg.	
Radio- Record Radium	P H I L I P S	Radio- Record Radium	P H I L I P S
R 14	= 1800 1801	W 15	= 329
R 24	= 1801	W 20	= 452
R 78	= 1562	W 1501	= 1011
R 134	= 505		
R 145	= 505		
R 202	= 1002		
R 215	= 328		
R 234	= 506		
R 245	= 1560		
RRR 45	= 1800 1801		
RRR 134	= 505		
RRR 145	= 505		
RRR 234	= 506		
RRR 245	= 506		

RADIOTECHNIQUE — DARIO (Fr.)

Empf.-Röhren — Rec. valves — Lampes réc. — Válv. rec.

Radiotechnique Dario		P H I L I P S	
Hyper Power Bivolt	= —	C 243	
Hyper Power Forvolt	= C 405	C 443	
I. 4043	= E 441		
I. 4076	= E 415	E 424	
I. 4078	= —	E 438	
I. 4081	= —	E 442	
I. 4091	= E 442		
Micro Ampli	= R 50		
Micro Bigril	= R 43		
Pentodion Bivolt	= C 243		
Pentodion Forvolt	= B 443		
R 5	= E	} 1) A 410 — A 425 — A 435 — A 442 2,3) A 409 — A 415	
R 14	= A 410		
R 15	= A 410	} 1) A 425 — A 435 — A 442 2,3) A 409 — A 415	
R 18	= A 441		
R 21	= E	} 1) A 410 — A 425 — A 435 — A 442 2,3) A 409 — A 415	
R 24	= —		
R 29	= C 509A	A 425	
R 31	= —	A 609 — A 615	
R 36	= A 410	B 406 — B 409 — B 405 — B 443	
R 36D	= A 410	} 1,6) A 425 — A 435 — A 442 2,3) A 409 — A 415	
R 41	= —		
R 42	= —	} 1) A 425 — A 435 — A 442 2,3) A 409 — A 415	
R 43	= A 441		
R 43M	= A 441N	A 409 — A 415	
R 43O	= A 441	A 409 — A 415	
R 43P	= A 441	A 409 } 1,6) A 410 — A 425 — A 435 2,3) A 415 — A 442	
R 50	= —	A 409 — A 415	
R 55	= —	A 409 — A 415	
R 56	= B 406	B 409 — B 405 — B 443	
R 62	= A 425	6) A 435 — A 442	
R 63	= —	A 425	
R 64	= B 403	B 405 — B 443	
R 75	= A 409	A 415	
R 76	= A 415		
R 77	= B 405	B 443	

R 78	= A 425	
R 79	= B 443	
R 80	= —	C 443
R 81	= —	A 442
R 83	= A 441N	
R 85	= B 409	B 405 — B 443
R 89	= C 443	
R 636	= —	1) C 135 — C 142
		2) C 109
R 655	= —	C 125 } 1) C 135 — C 142
R 656	= —	D 105 — D 143
R 662	= —	C 125
R 669	= —	C 125
R 675	= —	C 109
R 677	= —	D 105 — D 143
R 678	= —	C 125 -1) C 135 — C 142
R 679	= —	D 143
R 681	= —	C 142
R 1836	= —	A 209
R 1855	= —	A 209
R 1856	= —	B 205 — B 203 — C 243
R 1862	= A 225	
R 1863	= —	A 225 -1) A 235 — B 242
R 3821, R 3836, etc	= R 21,	R 36, etc.
Radio Ampli	= R 5	
Radio Bigril	= R 18	
Radio Micro	= R 36	
Resistron Bivolt	= —	A 225
Resistron Forvolt	= —	A 425
RT....	= R ..	
Screenodion Bivolt	= B 242	
Screenodion Forvolt	= A 442	
Super Ampli	= R 41	
Super H.F. Bivolt	= A 225	A 235 — B 242
Super H.F. Forvolt	= A 425	A 435 — A 442
Super Micro	= R 15	
Super Power Bivolt	= —	C 243
Super Power Forvolt	= B 409	B 405 — B 443
Universal Bivolt	= A 209	1) A 225 — A 235 — B 242
Universal Forvolt	= —	1) A 425 — A 435 — A 442
		2,3) A 409 — A 415
E 165A	= F 704	

Gleichr.-Röhren - Rect. valves Tubes redr. - Válv. rect.	Reg.-Röhren - Res. lamps Tubes rég. - Lámp. reg.
---	---

Radiotechnique Dario	P H I L I P S	Radiotechnique Dario	P H I L I P S
-------------------------	---------------	-------------------------	---------------

V 56	=	1800 1802	
------	---	----------------------	--

V 80	=	506	
------	---	-----	--

V 90	=	1561	
------	---	------	--

V 165	=	1832	
-------	---	------	--

V 4001	=	2506	
--------	---	------	--

R.C.A. — RADIOTRONS (U.S.A.)

Empf.-Röhren — Rec. valves — Lampes réc. — Válv. rec.

R. C. A. Radiotrons		P H I L I P S	
RCA-221	= A 609	A 615	
RCA-230	= A 209		
RCA-231	= B 203	C 243	
RCA-232	= —	B 242	
UV-199	= A 306F		
UX-112	= C 508	B 605 — C 603 — C 643	
UX-112-A	= C 508	B 605 — C 603 — C 643	
UX-120	= A 303		
UX-171	= C 603	C 643	
UX-171-A	= C 603	C 643	
UX-199	= A 306		
UX-200	= —	A 615	
UX-200-A	= —	A 615	
UX-201-A	= C 509A	A 609 — A 615	
UX-210	= F 708		
UX-222	= B 342		
UX-226	= F 109A		
UX-240	= —	A 630	
UX-245	= F 203	D 243	
UX-250	= F 704		
UX-864	= A 109		
UY-224	= F 242		
UY-227	= F 209A		
WD-t1	= —	B 105	
WX-12	= —	B 105	

Gleichr.-Röhren - Rect. valves Tubes redr. - Válv. rect.		Reg.-Röhren - Res. lamps Tubes rég. - Lámp. reg.	
R. C. A. Radiotrons	P H I L I P S	R. C. A. Radiotrons	P H I L I P S
UX-213	= 1560	UV-876	= 1938
UX-216-B	= 1562	UV-886	= 1943
UX-280	= 1560		
UX-281	= 1562		

RECTRON (Dld.)

Gleichr.-Röhren - Rect. valves Tubes redr. - Válv. rect.		Reg.-Röhren - Res. lamps Tubes rég. - Lámp. rég.	
Rectron	P H I L I P S	Rectron	P H I L I P S
R 22	= 1010	WE 15	= 1904
R 24/6	= 367	WE 22	= 501
R 33	= 1010	WE 33	= 452
R 44	= 328—451	WE 34	= 1011
R 45	= 1326	WE 44	= 329
R 110/1/II	= 1325	WE 45	= 1331
R 200/1,3/III	= 1060	WE 46	= 1130
R 220	= 1702	WE 55	= 452
R 250	= 1701		
R 0337	= 1201		
R 0423	= 1801		
R 0424	= 1802		
R 0431	= 1561		
R 0433	= 1817		
R 0437	= 506		
R 0446	= 505		
R 0452	= 1815		
R 0481	= 1832		
R 500	= 1072		
R 0531	= 1560		
R 0771	= 1562		
R 1000	= 1074		
R 2000	= 1762		
R 3000	= 1077		
R 4000	= 1062		

SEIBT (Dld.)

Empf.-Röhren — Rec. valves — Lampes réc. — Válv. rec.

Seibt		P H I L I P S	
H 407	== —	}	A 425 -1) A 435 — A 442
L 418	== B 406		B 409 — B 405 — B 443
L 419	== B 405		B 443
U 41C	== A 409		1) A 425 — A 435 — A 442
W 404	== —		2,3) A 415
			A 425

Gleichr.-Röhren - Rect. valves Tubes redr. - Válv. rect.		Reg.-Röhren - Res. lamps Tubes rég. - Lámp. reg.	
Seibt	P H I L I P S	Seibt	P H I L I P S
B 200	= 1092		
EG 200	= 1000 1802		
VG 240	= 506		
VG 250	= 1201		

SIEMENS (Dld.)

Gleichr.-Röhren - Rect. valves Tubes redr. - Válv. rect.		Reg.-Röhren - Res. lamps Tubes rég. - Lámp. reg.	
Siemens	P H I L I P S	Siemens	P H I L I P S
Gl 0,1 b	= 1010		
Gl 2	= 328		
Gl 1,5	= ca. 1326		
Gl 1,5 b	= 1325		
Gl 3 b	= ca. 1129		
Gl 3 c	= ca. 1119		
Gl 3 e	= ca. 1119		
Gl 6 b	= ca. 1029		
Gl 6 c	= ca. 367		
Gl 6 e	= ca. 367		
Gl 10 a	= ca. 1089		
Gl 10 b	= ca. 1089		
Gl 10 c	= ca. 1089		
Gl 10 e	= ca. 1089		
Gl 20 b	= ca. 1749		

SIX-SIXTY — ELECTRON (Gr. Br.)

Empf.-Röhren — Rec. valves — Lampes réc. — Válv. rec.

Six Sixty Electron	P H I L I P S	
SS 4 Det AC	=	E 415
SS 4 GP AC	=	—
SS 4 P AC	=	E 409
SS 4 Pen	=	C 443
SS 4 SG AC	=	E 442
SS 5 SP AC	=	C 603
SS 210 HF	=	—
SS 210 LF	=	—
SS 210 RC	=	—
SS 215 P	=	—
SS 215 SG	=	B 242
SS 220 P	=	B 205
SS 230 PP	=	C 243
SS 230 SP	=	—
SS 410 D	=	§ B 415§
SS 410 P	=	§ A 415
SS 415 PP	=	B 406
SS 420 SP	=	B 443
SS 425 SP	=	—
SS 610 D	=	A 615
SS 610 P	=	—
SS 617 PP	=	—
SS 625 SP	=	—
SS 625 SPA	=	C 603
SS 1414	=	—
SS 4075 HF	=	—
SS 4075 RC	=	—
SS 4075 SG	=	A 442
SS 6075 SG	=	A 642
SS HV 6/1	=	—
SS 4 Pent SP	=	C 443
SS HV 4/1	=	—
SS HV 4/2	=	D 404
		1) E 438 — E 435 — E 442
		2,3) E 424
		B 443
		C 643
		A 225 -1) A 235 — B 242
		A 209
		A 225
		B 205 — B 203 — C 243
		B 203 — C 243
		B 203 — C 243
		B 409 — B 405 — B 443
		B 405 — B 443
		B 403 — B 405 — B 443
		B 605 — C 603 — C 643
		C 643
		C 643
		C 643
		A 209
		A 435 — A 442
		A 425
		C 643
		E 406
		E 406

§) Gleichstromnetze. - §) D.C. mains. - §) Réseaux à courant continu. -
§) Redes de corriente continua.

Gleichr.-Röhren - Rect. valves Tubes redr. - Válv. rect.		Reg.-Röhren - Res. lamps Tubes rég. - Lámp. reg.	
Six Sixty Electron	P H I L I P S	Six Sixty Electron	P H I L I P S
SSU 465	= 505		
SSU 765	= 1562		
SSW 432	= 1801		
SSW 462	= 1821		

SONATRON (U.S.A.)

Empf.-Röhren — Rec. valves — Lampes réc. — Válv. rec.

Sonatron		P H I L I P S	
11	= —	B 105	
171-AC	= C 603	C 643	
222-AC	=		
(X-base)	= C 142		
222-AC	=		
(Y-base)	= F 242		
A 120	= A 303		
A 199	= A 306		
V 120	= A 303		
V 199	= A 306F		
X 6	= —	C 508 — B 605 — C 603 — C 643	
X 9	= —	B 406 — B 409 — B 405 — B 443	
X 12	= —	B 105	
X 19	= —	A 425	
X 20	= —	A 630	
X 29	= —	A 425	
X 30	= —	A 630	
X 112	= C 508	B 605 — C 603 — C 643	
X 112A	= C 508	B 605 — C 603 — C 643	
X 120	= A 303		
X 171	= C 603	C 643	
X 171A	= C 603	C 643	
X 199	= A 306		
X 200	= —	A 615	
X 200A	= —	A 615	
X 201A	= C 509A	A 609 — A 615	
X 201B	= —	A 609 — A 615	
X-210	= F 708		
X-222	= B 342		
X-226	= F 109A		
X 240	= —		
X 245	= F 203	D 243	
X 250	= F 704		
Y 224 AC	= F 242		
Y 227	= F 209A		

Gleichr.-Röhren - Rect. valves Tubes redr. - Válv. rect.		Reg.-Röhren - Res. lamps Tubes rég. - Lámp. reg.	
Sonatron	P H I L I P S	Sonatron	P H I L I P S
213	== 1560		
216-B	== 1562		
X 213	== 1560		
X 216-B	== 1562		
X 280	== 1560		
X 281	== 1562		

SPLENDOR (Nld.)

Empf.-Röhren — Rec. valves — Lampes réc. — Válv. rec.

Splendor		P H I L I P S	
S 83	==	B 409	B 405 — B 443
V 62	==	B 405	B 443
V 65	==	B 406	B 409 — B 405 — B 443
V 72	==	—	E 408N - E 443N
V 82	==	B 405	B 443
V 1010	==	A 409	A 415
V 1508	==	A 415	
V 1520	==	A 410	} 1) A 425 — A 435 — A 442 2,3) A 409 — A 415
V 3030	==	A 425	
V 3050	==	—	1) A 435 — A 442
VH 40	==	—	A 425
VH 300	==	A 442	A 425 -1) A 435 — A 442
W.S. 62	==	—	C 405 — C 443
W.S. 300	==	—	E 442
W.S. 1507	==	E 415	E 424
W.S. 3030	==	—	E 438

Gleichr.-Röhren - Rect. valves Tubes redr. - Válv. rect.			Reg.-Röhren - Res. lamps Tubes rég. - Lámp. reg.		
Splendor		P H I L I P S	Splendor		P H I L I P S
G 140	=	505	W 13	=	452
G 335	=	373	W 14	=	329
G 435	=	373			
G 450	=	506			
G 530	=	505			
G 1060	=	1561			
L 13	=	451			
L 14	=	328			

TEKADE (Dld.)

Empf.-Röhren — Rec. valves — Lampes réc. — Válv. rec.

Tekade		P H I L I P S	
1 L 61	== —		D 105 — D 143
1 N 51	== —	{	1) C 125 — C 135 — C 142
1 W 50	== —	{	2,3) C 109
2 L 20	== B 205		C 125
2 U 15	== —		B 203 — C 243
4 A 07	== —	{	1) A 235 — B 242
4 A 08	== A 415	{	2,3) A 209
4 A 10	== —		A 415
4 A 15	== A 415		A 415 -1) A 435 — A 442
4 A 80	== E 415		1) A 435 — A 442
4 A 120	== —		E 415 — E 424
4 B 06	== —		A 409 — A 415
4 F 06	== —		A 409 — A 415
4 H 07	== A 409		A 415
4 H 08	== —	{	1) A 425 — A 435 — A 442
4 H 80	== E 415	{	2,3) A 409 — A 415
4 H 130	== —		E 424
4 K 30	== —		E 409 — B 443
4 K 50	== D 404		B 443
4 K 60	== D 404		E 406
4 L 11	== —		E 406
4 L 12	== B 405		B 403 — B 405 — B 443
4 L 13	== B 409		B 443
4 L 14	== B 409		B 405 — B 443
4 L 15	== B 405		B 405 — B 443
4 L 29	== —		B 443
4 L 31	== —		B 443
4 N 08	== A 409		E 406
4 U 130	== E 409		A 415
4 W 03	== A 425	{	1) E 438 — E 435 — E 442
4 W 08	== A 425	{	2,3) E 415 — E 424
4 W 120	== —	{	5) B 443
ES 100	== E 442		E 438
HA 130	== —		E 415 — E 424
Tekadon	== A 415		
VT 107	== —	{	1,6) A 225 — A 235 — B 242
		{	2,3) A 209

Tekade	P H I L I P S	
VT 110	= —	{ 1) A 235 — B 242 { 2,3) A 209
VT 111	= B 406	{ 2,3,5) B 409 - 5) B 405 — B 443 { 6) A 409 } A 425 — A 435 — A 442 { 6) A 410 }
VT 112	= —	{ 2,3,6) A 409 -2,3) A 415
VT 121	= B 205	{ 6) A 410 — A 425 — A 435 — A 442 B 203 — C 243
VT 122	= —	A 225 -1) A 235 — B 242
VT 124	= —	A 425
VT 128	= A 409	{ 1) A 425 — A 435 — A 442 { 2,3) A 415 { 6) A 410 — A 425 — A 435 — A 442
VT 129	= B 409	{ 2,3) A 415 { 5) B 405 — B 443 { 6) A 409 } A 425 — A 435 — A 442 { 6) A 410 } E 409 — B 443
VT 141	= —	
4 A 08n	= A 415	
4 A 80n	= E 415	E 424
4 A 90	= E 424	
4 H 07n	= —	A 409 — A 415
4 K 32	= —	E 406
4 N 110	= —	E 415 — E 424
4 S 09	= —	A 442
4 S 120	= —	E 442S
4 W 03n	= A 425	
4 W 100	= E 438	

Gleichr.-Röhren - Rect. valves Tubes redr. - Válv. rect.		Reg.-Röhren - Res. lamps Tubes rég. - Lámp. reg.	
Tekade	P H I L I P S	Tekade	P H I L I P S
3 G 130	= 1201		
4 G 15	= 1800		
4 G 30	= 1801		
4 G 200	= 1561		
GT 130	= 506		
GT 138	= 505		
4 G 35	= 1810		
4 G 105	= 506		

TELEFUNKEN (Dld.)

Empf.-Röhren — Rec. valves — Lampes réc. — Válv. rec.

Telefunken		P H I L I P S
RE 034	= A 425	
RE 052	= —	A 225
RE 054	= —	} 1) A 435 — A 442
		} 4) A 425
RE 061	= —	} 1) A 135
		} 2,3) A 109
RE 062	= —	} 1) A 235 — B 242
		} 2,3) A 209
RE 064	= A 410	} 1) A 425 — A 435 — A 442
		} 2,3) A 409 — A 415
RE 072d	= A 241	
RE 073d	= A 441	
RE 074	= A 409	A 415
RE 074d	= A 441	
RE 076	= A 609	A 615
RE 084	= A 415	
RE 114	= B 406	B 409 — B 405 — B 443
RE 122	= B 205	B 203 — C 243
RE 124	= B 405	B 443
RE 134	= B 409	B 405 — B 443
RE 144	= —	} 1) A 425 — A 435 — A 442
		} 2,3) A 409 — A 415
RE 144	= —	} A 409
super	= —	} A 410
RE 152	= B 205	} B 203 — C 243
RE 154	= —	B 406 — B 409 — B 405 — B 443
RE 304	= C 405	C 443
RE 352	= —	B 205 — B 203 — C 243
RE 354	= —	} 3) A 415
		} 5) B 403 — B 405 — B 443
RE 504	= —	} 3) B 406 — A 409 — A 415
		} 5) B 406 — B 409 — B 405 — B 443
RE 604	= D 404	E 406
REN 501	= —	C 125
REN 511	= —	} 1) C 125 — C 135 — C 142
		} 2,3) C 109
REN 601	= —	D 105 — D 143
REN 704d	= E 441	
REN 804	= E 415	E 424
REN 904	= E 424	
REN 1004	= E 438	

Telefunken	P H I L I P S	
REN 1104 == — REN 2204 == — RENS 1204 == E 442S RES C44 == —	E 415 — E 424 E 409 — B 443 A 442	
RES 094 == A 442 RES 105 == B 543 RES 164 == — RES 164d == — RES 664d == E 443N RV 218 == —	B 443 B 443 F 704	

Gleichr.-Röhren - Rect. valves Tubes redr. - Válv. rect.		Reg.-Röhren - Res. lamps Tubes rég. - Lámp. reg.	
Telefunken	P H I L I P S	Telefunken	P H I L I P S
RGL 4002	= 328		
RGN 354	= 1832 1802		
RGN 504	= 1801		
RGN 1054	= 506		
RGN 1404	= 1832		
RGN 1503	= 1201		
RGN 1504	= 506		
RGN 2004	= 1561		

TRIOTRON — SCHRACK (Üst)

Empf.-Röhren — Rec. valves — Lampes réc. — Válv. rec.

Triotron Schrack			P H I L I P S	
AD 4	=	—		A 409 — A 415
AD 510	=	—	{ 1)	A 425 — A 435 — A 442
AN 4	=	—	{ 2,3)	A 409 — A 415
AS 4	=	—		E 438
HD 2	=	—		A 425
OD 4	=	—		A 225 -1) A 235 — B 242
OE 4	=	—		A 425
RD 4	=	A 409		A 425
RD 509	=	—		A 415
RS 2	=	—	{ 1)	A 409 — A 415
RS 4	=	—	{ 2,3)	A 225 — A 235 — B 242
S 201A	=	C 509A	{ 1)	A 209
SC 2	=	B 242	{ 2,3)	A 425 — A 435 — A 442
SC 4	=	A 442	{ 2,3)	A 409 — A 415
SCN 4	=	E 442		A 609 — A 615
SD 2	=	A 225		
SD 4	=	A 415		1) A 235 — B 242
SD 515	=	A 415		
SN 4	=	—		E 424 -1) E 438 — E 435 — E 442
T 10	=	—	{ 1)	A 225 — A 235 — B 242
TD 2	=	—	{ 2,3)	A 209
TS 1	=	A 109		A 209
TS 4	=	A 410		A 125 — A 135
UD 2	=	—	{ 1)	A 425 — A 435 — A 442
UD 4	=	B 406	{ 2,3)	A 409 — A 415
UD 506	=	B 406		B 203
WD 2	=	A 225		B 409 — B 405 — B 443
WD 4	=	A 425	{ 3)	A 409 — A 415
WD 525	=	A 425	{ 5)	B 409 — B 405 — B 443
WN 4	=	—		
XD 4	=	B 405		E 438
XD 505	=	B 405		B 443
YD 4	=	B 409		B 443
YN 4	=	—	{ 3)	A 415
ZD 2	=	—	{ 5)	B 405 — B 443
ZD 4	=	—		E 409 — B 443
ZD 503	=	—		B 205 — B 203 — C 243
ZE 4	=	A 409		B 403 — B 405 — B 443
				B 403 — B 405 — B 443
				A 415

TRIOTRON - SCHRACK (Üst.)

Empf.-Röhren — Rec. Valves — Lampes réc. — Válv. rec.

Triotron Schrack	P H I L I P S
CWN 4 = E 442S MD 4 = A 441N PB 2 = C 243 PB 4 = B 443 PD 4 = C 443 PG 5 = B 543 SCG 4 = B 442 SG 4 = B 415 SP 2 = B 203 WG 4 = B 425	C 243

Gleichr.-Röhren - Rect. valves Tubes redr. - Válv. rect.			Reg.-Röhren - Res. lamps Tubes rég. - Lámp. rég.		
Triotron Schrack		P H I L I P S	Triotron Schrack		P H I L I P S
GA 24	=	506			
GD 24	=	506			
GE	=	506			
GE 15	=	373			
GE 25	=	506			
GN 14	=	1800 1802			
GN 24	=	1801			
			V 85	=	1904

TUNGSRAM (Mag.)

Empf.-Röhren — Rec. valves — Lampes réc. — Válv. rec.

Tungsram		P H I L I P S	
AG 4100	= E 415		
AR 4100	= —		E 438 -1) E 435 — E 442
AS 4100	= E 442		
DG 107	= A 141		
DG 210	= A 241		
DG 407	= A 441		
DG 4100	= E 441		
G 115	= —	}	1) C 125 — C 135 — C 142
			2,3) C 109
G 150	= —	}	1) C 125 — C 135 — C 142
			2,3) C 109
G 210	= A 209		1,6) A 225 — A 235 — B 242
G 215	= —		B 203 — C 243
G 405	{		1,6) A 425 — A 435 — A 442
G 406			2,3) A 409 — A 415
G 407	{		2,3) A 415
G 408			6) A 410 — A 425 — A 435 — A 442
G 409	= A 415		1) A 425 — A 435 — A 442
G 410	= —		A 415
G 411	= A 415		A 415
G 412	= B 409		A 615
G 607	= —		
G 615	= A 615		
H 210	= A 225		1) A 235 — B 242
H 407	= A 425		1) A 435 — A 442
HR 607	= A 630		1) A 635 — A 642
L 190	= —		5) D 143
L 414	= B 409	}	3) A 415
			5) B 405 — B 443
LG 210	= A 209		
LG 607	= —		A 615
MR 2	= —		A 409 — A 415
MR 3	= A 410	}	1,6) A 425 — A 435 — A 442
MR 4	= C 509A		2,3) A 409 — A 415
MR 5	= —		A 609 — A 615
MR 6	= —		A 241
		}	1) A 225 — A 235 — B 242
			2,3) A 209
MR 11	= —		2) A 409 — A 415
MR 51	= —	}	5) B 406 — B 409 — B 405 — B 443
MRW	= —		A 441
MRW 1	= —		A 425
			A 425

Gleichr.-Röhren - Rect. valves Tubes redr. - Válv. rect.		Reg.-Röhren - Res. lamps Tubes rég. - Lámp. reg.	
Tungsram	P H I L I P S	Tungsram	P H I L I P S
PV 450	= 1801		
PV 475	= 506		
PV 480	= 373		
PV 495	= 1561		
V 430	= 1800 1802		
V 495	= 505		
V 2350	= 1010		

ULTRA (Dld.)

Empf.-Röhren — Rec. valves — Lampes réc. — Válv. rec.

Ultra		P H I L I P S
A 409	=	A 409
BG 408	=	A 441N
Dreiring 1.	=	—
Dreiring 2.	=	—
Dreiring 3.	=	—
H 410	=	A 410N
Megatron 2	=	B 203
Megatron 4	=	B 405
N 443	=	B 443
O 4	=	B 405
Orchestron 2	=	—
Orchestron 4	=	—
Resisto 2	=	—
Resisto 4	=	—
Sinus 4A	=	E 415
Sinus 4E	=	—
Sinus A	=	—
Sinus W	=	—
Universal 2A	=	—
Universal 2E	=	—
Universal 2HO	=	—
Universal 4A	=	—
Universal 4E	=	B 406
Universal 4HO	=	—
UL 208A	=	A 209
UL 209E	=	B 205
UL 405W	=	—
UL 407W	=	—
UL 408H	=	—
UL 409A	=	—
UL 410A	=	—
UL 411A	=	—
UL 412E	=	B 406
UL 423A	=	B 409
UL 430L	=	C 405
UL 440L	=	D 404
Zwerg I2	=	—
Zwerg II2	=	—
Zwerg III4	=	B 205
		A 415
		A 425
		A 425
		B 406 — B 409 — B 405 — B 443
		C 243
		B 443
		B 443
		B 203 — C 243
		B 403 — B 405 — B 443
		A 225
		A 425
		E 424
		E 409 — B 443
		E 415 — E 424
		E 438
		A 209
		B 205 } 3) A 209
		5) B 203 — C 243
		1,6) A 425 — A 435 — A 442
		A 409 — A 415
		B 409 — B 405 — B 443
		1,6) A 425 — A 435 — A 442
		1) A 225 — A 235 — B 242
		B 203 — C 243
		A 425
		A 425
		A 425 — A 435 — A 442
		A 415
		A 409 — A 415
		A 415
		3,5) B 409 } 3) A 415
		5) B 405 — B 443
		2) A 415
		C 443
		E 406
		A 225 -1) A 235 — B 242
		A 225
		3) A 209
		5) R 203 — C 243

Gleichr.-Röhren - Rect. valves Tubes redr. - Válv. rect.		Reg.-Röhren - Res. lamps Tubes rég. - Lámp. reg.	
Ultra	P H I L I P S	Ultra	P H I L I P S
V 207	= 506	W 329	= 329
V 222	= 1110		
V 310	= 1560		
V 328	= 328		
V 1119	= 1119		
V 2020	= 1702		
V 3030	= 1701		

VALVO (Dld.)

Empf.-Röhren — Rec. valves — Lampes réc. — Válv. rev.

Valvo		P H I L I P S
A 206	==	—
A 408	==	A 415
A 410	==	B 415
A 2200W	==	F 215
A 4090	==	E 414
A 4100	==	E 415
A 4110	==	E 424
H 107	==	A 109
H 125	==	C 109
H 125D	==	C 142
H 125Spez.	==	C 135
H 205	==	A 209
H 206Spez.	==	A 235
H 406	==	A 409
H 406D	==	A 442
H 406Spez.	==	A 435
H 410D	==	B 442
H 606	==	A 609
H 4080D	==	E 442S
H 4100	==	E 415
H 4100D	==	E 442
H 4100Spez.	==	E 435
L 160	==	D 105
L 160D	==	D 143
L 215	==	B 205
L 410	==	B 406
L 413	==	B 409
L 414	==	B 405
L 415	==	B 403
L 415D	==	B 443
L 425D	==	C 443
L 490D	==	E 443
L 510D	==	B 543
L 610	==	B 605
L 4100	==	E 409
LK 430	==	C 405
LK 460	==	D 404
LK 4100	==	E 408
LK 8100	==	TB 04/10
N 406	==	—
U 208D	==	A 241
U 209D	==	A 241
U 408D	==	A 441
		A 209
		E 424
		C 142
		B 242
		A 415
		A 442
		A 615
		E 424
		E 442
		D 143
		B 203 — C 243
		B 409 — B 405 — B 443
		B 405 — B 443
		B 443
		B 405 — B 443
		E 443N
		C 603 — C 643
		B 443
		C 443
		E 406
		E 408N - E 443N
		A 409 — A 415

Valvo	P H I L I P S	
U 409D == A 441 U 525 == C 509A U 4100D == E 441 W 125 == C 125 W 206 == A 225 W 406 == A 425 W 410 == B 425 W 606 == A 630 W 4080 == E 438 W 4100 == —	A 609 — A 615	
HX 1200 == F 109A HY 2200 == F 209A HY 2200D == F 242 L 491D == E 443N L 495D == F 443 LK 4110 == E 408N LK 4200 == F 410 LX 525 == C 509A LX 625 == C 603 LX 2200 == F 203 LX 7200 == F 704 LX 8100 == F 708 NX 306 == A 306	E 438 E 443N F 443 A 609 — A 615 C 643 D 243	

Gleichr.-Röhren - Rect. valves Tubes redr. - Válv. rect.		Reg.-Röhren - Res. lamps Tubes rég. - Lámp. reg.	
Valvo	P H I L I P S	Valvo	P H I L I P S
G 415	= 1800		
G 425	= 1800 1802		
G 430	= 1801		
G 460	= 1801		
G 490	= 506		
G 495	= 505		
G 715	= 1562		
G 2200	= 1702		
G 2340	= 1701		
G 3140	= 1201		
G 4200	= 1561		
MG 2	= 1800 1801		
Mikrotron	= 506		
G 4205	= 1832	Wi 100	= 1904
G 5200	= 1560	Wi 150	= 1911
GX 715	= 1562	Wi V 1700	= 1938
GX 5200	= 1560	Wi V 2000	= 1943

VARTA (Dld.)

Gleichr.-Röhren - Rect. valves Tubes redr. - Válv. rect.		Reg.-Röhren - Res. lamps Tubes rég. - Lámp. reg.	
Varta	P H I L I P S	Varta	P H I L I P S
Accunodax = 1702			
Accurex = 367			
Complex = 451			
Duplex			
1,3 A = 509			
Simplex			
1,3 A = 328			
Simplex			
2 A = 1110			

VATEA (Mag.)

Empf.-Röhren — Rec. valves — Lampes réc. — Válv. rev.

Vatea		P H I L I P S
DGP 3	= —	A 441
DGP 4	= —	A 241
DV 4100	= E 441	
DX 106	= A 141	
H 406	= —	A 425 — A 435 — A 442
HV 4100	= —	E 424
HX 210	= —	A 209
HX 406	= —	A 415
L 312	= B 406	B 409 — B 405 — B 443
L 430	= —	B 406 — B 409 — B 405 — B 443
LX 230	= —	C 243
LX 414	= B 405	B 443
N 215	= —	A 209
N 306	= —	A 409 — A 415
N 406	= —	A 409 — A 415
R 215	= —	A 225
R 306	= —	A 425
RV 150	= C 125	
RV 4100	= E 424	4) E 438
RX 210	= A 225	
RX 406	= A 425	
SV 4100	= E 442	
SX 406	= A 442	
TL 414	= B 443	
TP 4	= —	{ 1) A 235 — B 242
TV 425	= C 443	{ 2,3) A 209
U 215	= —	{ 1) A 235 — B 242
U 406	= —	{ 2,3) A 209
U 412	= A 409	A 409 — A 415
UV 150	= C 109	{ 1) A 425 — A 435 — A 442
UV 4100	= E 409	{ 2,3) A 415
UX 210	= A 209	2,3) E 415 — E 424
UX 406	= B 409	{ 2,3) A 415
		{ 5) B 405 — B 443
DX 414	= A 441	
NX 216	= B 205	B 203 — C 243
PX 460	= D 404	E 406
SX 210	= B 242	
TL 230	= C 243	

Gleichr.-Röhren - Rect. valves Tubes redr. - Válv. rect.		Reg.-Röhren - Res. lamps Tubes rég. - Lámp. reg.	
Vatea	P H I L I P S	Vatea	P H I L I P S
Re 4100	= 506		
Re 425	= 1802		
Re 450	= 1801		
Re 4200	= 1561		

VISSEAUX (Fr.)

Empf.-Röhren — Rec. valves — Lampes réc. — Válv. rev.

Visseaux		P H I L I P S
RH 4010	= A 410	} 1,6) A 425 — A 435 — A 442 } 2,3) A 409 — A 415
RH 4041	= A 441N	
RO 4010	= A 410	} 1,6) A 425 — A 435 — A 442 } 2,3) A 409 — A 415
RO 4109	= A 409	
RO 4125	= A 425	A 415
RO 4141	= A 441	6) A 435 — A 442
RO 4142	= A 442	
RO 4206	= B 406	B 409 — B 405 — B 443
RO 4215	= A 415	
RO 4243	= B 443	
RO 4305	= B 405	B 443
RO 4309	= B 409	B 405 — B 443
RO 4320	= —	B 424
RS 4141	= E 441	
RS 4142	= E 442	
RS 4215	= E 415	E 424
RS 4230	= E 438	1) E 435 — E 442
RS 4343	= C 443	

Gleichr.-Röhren - Rect. valves Tubes redr. - Válv. rect.		Reg.-Röhren - Res. lamps Tubes rég. - Lámp. reg.	
Visseaux	P H I L I P S	Visseaux	P H I L I P S
V 1	= 505		
V 2	= 506		

VOLTRON — NEO-BARIO (Üst.)

Empf.-Röhren — Rec. valves — Lampes réc. — Válv. rev.

Voltron Neo-Bario		P H I L I P S	
206	= —	}	1,6) A 225 — A 235 — B 242
215	= —		2,3) A 209
403	= —		B 205 — B 203 — C 243
406	= —		B 409 — B 405 — B 443
415	= B 406	}	1,6) A 425 — A 435 — A 442
425	= —		2,3) A 409 — A 415
AZ 409	= A 409		B 409 — B 405 — B 443
KR 203	= B 203		A 425
KR 403	= B 405		A 415
Kurzwellen			C 243
410	= —		B 443
UN 206	= —		A 415
UN 406	= —	}	A 209
WH 225	= —		1) A 425 — A 435 — A 442
WH 425	= A 425		2,3) A 415
			A 225 -1) A 235 — B 242
			1) A 435 — A 442

ZENITH (It.)

Empf.-Röhren — Rec. valves — Lampes réc. — Válv. rev.

Zenith		P H I L I P S	
A 2	= —	A 225	
A 4	= —	A 425	
B 1050	= C 125		
C 2	= —	} 1) A 225 — A 235 — B 242	
		} 2,3) A 209	
C 106	= A 109	} 1) A 135	
C 208	= A 209	} 2,3) B 105	
C 226	= F 109A		
C 406	= —	A 415	
C 412	= —	} 1) A 425 — A 435 — 442	
		} 2,3) A 415	
C 512	= —	} 1) A 630 — A 635 — A 642	
		} 2,3) A 615	
C 1100	= C 109	E 424	
CI 4090	= E 415		
CY 227	= F 209A		
D 2	= A 241		
D 4	= A 441		
DA 406	= A 442		
DA 412	= —	A 442	
DA 1050	= C 142		
DI 4090	= E 441		
DU 415	= B 443		
L 4	= —	A 425 — A 435 — A 442	
L 438	= A 415		
L 412	= A 425	} 1) A 435 — A 442	
		} 1) A 225 — A 235 — B 242	
M 240	= —	} 3) A 209	
P 720	= F 704		
U 115	= B 105		
U 171	= C 603	C 643	
U 215	= —	B 203 — C 243	
U 230	= —	} 2,3) A 209	
		} 5) B 205 — B 203 — C 243	
U 412	= B 406	B 409 — B 405 — B 443	
U 415	= B 409	B 405 — B 443	
U 418	= —	B 443	
U 420	= B 403	B 405 — B 443	
U 425	= B 406	B 409 — B 405 — B 443	
U 440	= B 403	B 405 — B 443	
U 525	= —	B 605 — C 603 — C 643	
U 580	= —	B 605 — C 603 — C 643	

Zenith		P H I L I P S	
V 425	= B 406	B 409 — B 405 — B 443 E 406	
W 10M	= TB 04/10		
W 150	= D 404		
BI 4090	= E 438	E 406	
P 450	= D 404		
SI 4090	= E 442S	D 243	
SY 224	= F 242		
U 210	= F 708		
U 245	= F 203		
U 250	= F 704		

Gleichr.-Röhren - Rect. valves Tubes redr. - Válv. rect.		Reg.-Röhren - Res. lamps Tubes rég. - Lámp. reg.	
Zenith	P H I L I P S	Zenith	P H I L I P S
2 R 100	= 506		
R 10M	= 1562		
R 100	= 1800 1802		
R 4050	= 1000 1802		
R 4100	= 506		
R 5100	= 1560		
ZR 100	= 506		
R 280	= 1560		
R 281	= 1562		
R 4100/a	= 506		

INDEX

Audion	32
Bertrand	64
B. T. H.	56
Castilla	8
Ceco	10
Clecartron	12
Compagnie des Lampes.....	60
Cosmos	14
Cossor	16
Cunningham	20
Cyynos	22
Dario	82
Delta	24
Eagle	26
Eclipse	28
Ediswan	30
Electron	94
Elektra	54
Forest	32
Fotos	34
Geco	50
Grammont	34
Heussen	38
Kremenezky	40
Lissen	44
Loewe	46
Lorenz	48
Lutèce Lumière	28
Marconi	50
Mars	54
Mazda (England).....	56
Mazda (France)	60
Métal	60
Met-Vickers	14
Micrad	64
Microlux	64

Mullard	66
Neo-Bario	130
Neutron	70
Orion	40
Osram	50
Oxytron	72
Peter Russell	76
Powertone	74
P. R.	76
Radio Record	78
Radio Sol	8
Radiotechnique	82
Radiotrons	86
Radium	78
R. C. A.	86
Rectron	88
Schrack	108
Seibt	90
Siemens	92
Six-Sixty	94
Sonatron	96
Spanner	24
Splendor	98
Tekade	100
Telefunken	104
Triotron	108
Tungsram	112
Ultra	116
Valvo	120
Varta	124
Vatea	126
Visseaux	128
Voltron	130
Zenith	132