

T8 & T8HO

No. of Lamps	Lamp	Input Volts	Catalog Nbr	Ballast Family	Start Type	Line Current (Amps)	Input Power (Watts)	Ballast Factor	Also Operates		
									F96T8ES	F72T8	F28T8
Nbr. de lampes	Lampe	Tension (V)	No de catalogue	Famille de ballasts	Type d'amorçage	Indice de tension (A)	Puissance (W)	Facteur ballast	Options d'utilisation		
									F96T8ES	F72T8	F28T8
<b>F96T8</b>											
1	F96T8	120	B4321120LA	Std Electronic	IS	0.52	58	0.88			
2	F96T8	120	B4321120RHA	Std Electronic	IS	0.95	112	0.88			
			B432120EL	High Light	IS	1.30	150	1.18	X		
			B4321120HE	HP Low Power	IS	0.84	100	0.78			
			B4321347L	ULTim8	IS	0.92	111	0.88	X	X	X
			347	B4321347RH	HP Electronic	IS	0.33	113	0.89		
		120-277	B4321347HPL	HP Electronic	IS	0.95 - 0.40	113 - 110	0.88			
<b>T8HO</b>									<b>F48T8HO</b>	<b>F60T8HO</b>	<b>F72T8HO</b>
1	F96T8HO	120	B2861120RH	Std Electronic	IS	0.79	92	0.96	X	X	X
		277	B2861277RH	Std Electronic	IS	0.32	87	0.93	X	X	X
2	F96T8HO	120	B2861120RH	Std Electronic	IS	1.30	151	0.81	X	X	X
		277	B2861277RH	Std Electronic	IS	0.53	144	0.81	X	X	X

T12

No. of Lamps	Lamp	Input Volts	Catalog Nbr	Ballast Family	Start Type	Standard Lamps			Energy Saving Lamps		
						Line Current (Amps)	Input Power (Watts)	Ballast Factor	Line Current (Amps)	Input Power (Watts)	Ballast Factor
Nbr. de lampes	Lampe	Tension (V)	No de catalogue	Famille de ballasts	Type d'amorçage	Indice de tension (A)	Puissance (W)	Facteur ballast	Indice de tension (A)	Puissance (W)	Facteur ballast
<b>F40T12 &amp; F40T12/U</b>											
1	F40T12	120	B140R120HP	HP Electronic	RS	0.33	39	0.88	0.28	33	0.86
1	F40T12/U	347	B140R120HP	HP Electronic	RS	0.33	39	0.88	0.28	33	0.86
2	F40T12	120	B234SR120M-A	Basic-12 Electronic	RS	0.63	71	0.90	0.49	59	0.86
			B240R120HP	HP Electronic	RS	0.65	75	0.88	0.54	64	0.86
<b>F40T12 &amp; F40T12/U</b>											
1	F48T12	120-277	B260IUNVHP	HP Electronic	IS	0.39	47	1.10	0.32	38	1.10
2	F48T12	120-277	B260IUNV	HP Electronic	IS	0.61	0.75	0.95	0.57	67	0.93
1	F96T12	120-277	B260IUNV	HP Electronic	IS	0.70	85	1.05	0.59	72	1.03
2	F96T12	120-277	B260IUNV	HP Electronic	IS	1.16	139	0.88	0.96	112	0.88

T5: STD & HO

No. of Lamps	Lamp	Input Volts	Catalog Nbr	Ballast Family	Start Type	Standard Lamps			Also Operates		
						Line Current (Amps)	Input Power (Watts)	Ballast Factor	F54T5HO	F24T5HO	F39T5HO
Nbr. de lampes	Lampe	Tension (V)	No de catalogue	Famille de ballasts	Type d'amorçage	Indice de tension (A)	Puissance (W)	Facteur ballast	F54T5HO	F24T5HO	F39T5HO
<b>F28T5</b>											
1	F28T5	120-277	B228PUNV-C	Accustart T5	PRS	0.28 - 0.12	33	1.00	X	X	X
2	F28T5	120-277	B228PUNV-C	Accustart T5	PRS	0.55 - 0.23	66 - 64	1.00	X	X	X
<b>F54T5HO</b>									<b>F24T5HO</b>	<b>FT36W/2G11</b>	
1	F54T5HO	120-277	B254PUNV-D	Accustart T5	PRS	0.32 - 0.18	47	1.02	X		X
		347	B254P347-D	Accustart T6	PRS	0.75 - 0.39	89 - 88	1.00	X		X
		347-480	B254PHRVHB-E	Accustart T5	PRS	0.19 - 0.15	66	1.02	X		X
2	F54T5HO	120-277	B254PUNV-D	Accustart T5	PRS	1.03 - 0.43	120 - 117	1.00	X		X
		347	B254P347-D	Accustart T6	PRS	0.35	120	1.00	X		X
		347-480	B254PHRVHB-E	Accustart T5	PRS	0.35 - 0.26	120 - 119	1.00	X		X
4	F54T5HO	120 - 277	B454PUNV-E	Accustart T5	PRS	2.01 - 0.86	240 - 234	1.00	X		X
			B228PUNV95-D								
			B228PUNV115-D								

HID IGNITORS (IGNITEURS DHI)

High Pressure Sodium Ignitors		Catalog Numbers	
For Lamps of 150W or less except 150W S56		HPS 150-3A	
For lamps from 200W - 400W and 150W S56 w/ CWA Ballasts		HPS 400-3A	
For 1000W HPS and Pulse Start Metal Halide Lamps		HPS 1000-4B	
Igniteurs à haute pression sodium		No de catalogue	
Pour lampes de 150W ou moins, sauf pour 150W S56		HPS 150-3A	
Pour lampes de 200W à 400W et de 150W S56 et/ ballasts CWA		HPS 400-3A	
Pour lampes de 1000W HPS et aux halogénures métalliques à impulsion		HPS 1000-4B	
Metal Halide Ignitors			
For 35W to 150W, M130, M110, M98, M90, M92, and M102 Lamps		MH 100-3A	
For 175W to 400W, M137, M136, M138, M132, M131, and M135 Lamps		MH 350-1A	
Igniteurs aux halogénures métalliques			
Pour lampes de 35W à 150W, M130, M110, M98, M90, M92, et M102		MH 100-3A	
Pour lampes de 175W à 400W, M137, M136, M138 M132, M131 et M135		MH 350-1A	

UNIVERSAL SIGN (ENSEIGNE UNIVERSAL)			
No. of Lamps	Total Lamp Footage (T12HO Style Lamps)		Catalog Number
	Minimum	Maximum	
Nbr. de lampes	Longueur total lampe (Lampes style T12HO)		No de catalogue
	Minimum	Maximum	
1 - 2	4'	12'	USB-0412-12
1 - 4	8'	16'	USB-0816-14
1 - 4	10'	24'	USB-1024-14
2 - 4	16'	32'	USB-1632-24
4 - 6	20'	36'	USB-2036-46
4 - 6	20'	48'	USB-2048-46

MAX-3 SERIES UNIVERSAL SIGN (ENSEIGNE UNIVERSAL SERIE MAX-3)			
No. of Lamps	Total Lamp Footage (T12HO Style Lamps)		Catalog Number
	Minimum	Maximum	
Nbr. de lampes	Longueur total lampe (Lampes style T12HO)		No de catalogue
	Minimum	Maximum	
1 - 6	2'	18'	USB-0218-16
1 - 6	12'	32'	USB-1232-16
1 - 6	10'	48'	USB-1048-16

ELECTRONIC SIGN (ENSEIGNE ÉLECTRONIQUE)			
No. of Lamps	Total Lamp Footage (T12HO & T8HO Style Lamps)		Catalog Number
	Minimum	Maximum	
Nbr. de lampes	Longueur total lampe (Lampes style T12HO & T8HO)		No de catalogue
	Minimum	Maximum	
1 - 2	2'	16'	ESB216-12
1 - 4	4'	32'	ESB432-14
4 - 6	8'	48'	ESB848-46
1 - 4	10'	40'	ESB1040-14

# Canadian Ballast Quick Reference Guide

## GUIDE CANADIEN POUR SÉLECTION RAPIDE DE BALLASTS

Lit#CANREF0409

T8	No. of Lamps	Lamp	Input Volts	Catalog Nbr	Ballast Family	Start Type	Line Current (Amps)	Input Power (Watts)	Ballast Factor	Also Operates							
	Nbr. de lampes	Lampe	Tension (V)	No de catalogue	Famille de ballasts	Type d'amorçage	Indice de tension (A)	Puissance (W)	Facteur ballast	F25T8	F17T8	F40T8	F32T8ES	F28T8			
										Options d'utilisation							
F32T8 & F32T8/U																	
1	F32T8 & F32T8/U	120-277	120	B132I120RHA	Std Electronic	IS	0.26	31	0.88	X	X	X					
			347	B132I347RH	Std Electronic	IS	0.09	31	0.88	X	X	X	X	X			
			120-277	B132IUNVHP-B	HP Electronic	IS	0.26 - 0.12	31	0.88	X	X	X					
				B132IUNVEL-A	ULTim8	IS	0.22 - 0.11	25	0.77	X	X	X	X	X			
				B132IUNVHE-A	ULTim8	IS	0.24 - 0.12	28	0.87	X	X	X	X	X			
B132PUNVHP-A	Accustart T8	PRS		0.26 - 0.11	31 - 30	0.88	X	X			X						
2	F32T8 & F32T8/U	120	B232I120L-A	Low Power	IS	0.44	51	0.78	X	X	X						
			B232I120RHA	Std Electronic	IS	0.49	58	0.88	X	X	X						
			B232I120RHH-A	High Light	IS	0.66	77	1.18					X				
			B232I120EL	ULTim8	IS	0.40	47	0.77	X	X			X	X			
			B232I120HE	ULTim8	IS	0.45	54	0.87	X	X			X	X			
			347	B232I347L-A	Low Power	IS	0.51	51	0.78	X	X	X	X	X			
				B232I347RHA	Std Electronic	IS	0.17	58	0.88	X	X	X	X	X	X		
				B232I347HPL	HP Low Power	IS	0.14	50	0.78	X	X	X					
				B232I347HP-A	HP Electronic	IS	0.17	58	0.88	X	X	X	X	X			
				B232IUNVHEHA	ULTim8	IS	0.62 - 0.26	74 - 73	1.18	X	X	X	X	X	X		
			3	F32T8 & F32T8/U	120-277	B232PUNVHE-A	ULTim8	PRS	0.47 - 0.20	56 - 55	0.88	X	X	X	X	X	
						B232PUNVEL-A	ULTim8	PRS	0.40 - 0.17	47 - 46	0.71	X	X	X	X	X	X
						120	B332I120L-A	Low Power	IS	0.65	76	0.78	X	X	X		
							B332I120RHA	Std Electronic	IS	0.75	86	0.88	X	X	X		
							B332I120RHH	High Light	IS	0.98	113	1.18					
B332I120EL	ULTim8	IS					0.59	70	0.77	X	X			X	X		
B332I120HE	ULTim8	IS					0.67	80	0.87	X	X			X	X		
347	B332I347	Low Power				IS	0.21	75	0.79	X	X	X					
	B332I347RH	Std Electronic				IS	0.25	85	0.88	X	X						
	B332I347HPL	HP Low Power				IS	0.21	75	0.79	X	X	X					
	B332I347HP	HP Electronic				IS	0.25	88	0.88	X	X						
	B332IUNVHP-A	HP Electronic				IS	0.72 - 0.31	86 - 84	0.88	X	X	X					
120-277	B332IUNVHE-A	ULTim8				IS	0.70 - 0.30	83 - 81	0.87	X	X	X	X	X			
	B332IUNVEL-A	ULTim8				IS	0.61 - 0.26	74 - 73	0.77	X	X	X	X	X	X		
	B332PUNHP-A	Accustart T8				PRS	0.77 - 0.34	92 - 90	0.88	X	X			X			
	B332IUNVHEHA	ULTim8	IS	0.91 - 0.39	111 - 108	1.18	X	X	X	X	X						
	B332IHRVHB-E	ULTim8	HB	0.32 - 0.24	110 - 109	1.18					X	X					

T8 & T8HO	No. of Lamps	Lamp	Input Volts	Catalog Nbr	Ballast Family	Start Type	Line Current (Amps)	Input Power (Watts)	Ballast Factor	Also Operates					
	Nbr. de lampes	Lampe	Tension (V)	No de catalogue	Famille de ballasts	Type d'amorçage	Indice de tension (A)	Puissance (W)	Facteur ballast	F25T8	F17T8	F40T8	F32T8ES	F28T8	
										Options d'utilisation					
F32T8 & F32T8/U															
4	F32T8 & F32T8/U	120-277	120	B432I120L-A	Low Power	IS	0.85	100	0.78	X	X	X			
				B432I120RHA	Std Electronic	IS	0.93	112	0.88	X	X	X			
				B432I120EL	ULTim8	IS	0.81	95	0.77	X	X			X	X
				B432I120HE	ULTim8	IS	0.90	106	0.87	X	X			X	X
				B432I347L	Low Power	IS	0.29	101	0.78	X	X	X			
			347	B432I347RH	Std Electronic	IS	0.33	114	0.88	X	X				
				B432I347HPL	HP Low Power	IS	0.29	101	0.78	X	X	X			
				B432I347HP	HP Electronic	IS	0.33	114	0.88	X	X				
				B432IUNVHP-A	HP Electronic	IS	0.93 - 0.40	112 - 100	0.88	X	X	X			
				B432IUNVEL-A	ULTim8	IS	0.80 - 0.34	97 - 96	0.77	X	X	X	X	X	X
			120-277	B432IUNVHE-A	ULTim8	IS	0.91 - 0.38	109 - 106	0.87	X	X	X	X	X	X
				B432PUNVHP-A	Accustart T8	PRS	1.00 - 0.42	119 - 115	0.88	X	X			X	X

LONG TWIN T5	No. of Lamps	Lamp	Input Volts	Catalog Nbr	Ballast Family	Start Type	Standard Lamps			Also Operates		
	Nbr. de lampes	Lampe	Tension (V)	No de catalogue	Famille de ballasts	Type d'amorçage	Line Current (Amps)	Input Power (Watts)	Ballast Factor	F54T5HO	F24T5HO	F39T5HO
							Lampes Standard			Options d'utilisation		
1/2	FT24W/2G11	120-277	B224PUNV-C	Accustart T5	PRS	0.23 - 0.10	27	1.02		X	X	
			B224PUNV-D	Accustart T5	PRS	0.30 - 0.13	36	0.90			X	X
			B254PUNV-D	Accustart T5	PRS	0.37 - 0.18	45	1.22	X			
1	FT36W/2G11	120-277	B239PUNV-D	Accustart T5	PRS	0.59 - 0.26	71 - 70	0.94				
			B254PUNV-D	Accustart T5	PRS	0.73 - 0.30	87	1.20				
1	FT40W/2G11	120-277	C240SH120RH	Std Electronic	IS	0.40	40	1.02				
			C240PUNVHP-B	HP Electronic	PRS	0.34 - 0.15	41 - 40	1.00				
			C240SH120RH	Std Electronic	IS	0.61	67	0.88				
2	FT40W/2G11	120-277	C240PUNVHP-B	HP Electronic	PRS	0.63 - 0.27	76 - 73	0.90				
			C340SH120RH	Std Electronic	IS	0.88	98	0.88				
			C340SI277RH	Std Electronic	IS	0.39	98	0.88				

COMPACT	Lamp	Input Volts	Catalog Nbr	Ballast Family	Start Type	One Lamp			Two Lamp		
	Lampe	Tension (V)	No de catalogue	Famille de ballasts	Type d'amorçage	Line Current (Amps)	Input Power (Watts)	Ballast Factor	Line Current (Amps)	Input Power (Watts)	Ballast Factor
						Une Lampe			Deux Lampes		
13W 4-Pin	120-277	347	C213UNVME/BE/SE/BES	CF Electronic	PRS	0.15 - 0.07	18	1.00	0.26 - 0.11	30	1.00
			C213/347SE/BE/BES	CF Electronic	PRS	0.06	18	1.00	0.10	33	0.98
18W 4-Pin	120-277	347	C218UNVME/BE/SE/BES	CF Electronic	PRS	0.16 - 0.07	19	1.00	0.30 - 0.13	35	0.95
			C218/347SE/BE/BES	CF Electronic	PRS	0.06	21	1.00	0.11	38	0.98
26W 4-Pin	120-277	347	C242UNVBE/SE/BES	CF Electronic	PRS	-	-	-	0.46 - 0.20	56 - 55	1.02
			C2642UNVME/BE/SE/BES	CF Electronic	PRS	0.25 - 0.11	28	1.02	0.47 - 0.21	56	0.98
			C242/347BE/SE/BES	CF Electronic	PRS	-	-	-	0.14	44	1.02
			C2642/347BE/SE/BES	CF Electronic	PRS	0.09	31	1.02	0.17	57	0.98
			C242UNVBE/SE/BES	CF Electronic	PRS	-	-	-	0.58 - 0.26	69 - 67	1.00
32W	120-277	347	C2642UNVME/BE/SE/BES	CF Electronic	PRS	0.30 - 0.13	36	1.00	-	-	-
			C242/347BE/SE/BES	CF Electronic	PRS	-	-	-	0.19	62	1.00
			C2642/347BE/SE/BES	CF Electronic	PRS	0.11	36	0.98	-	-	-
			C242UNVBE/SE/BES	CF Electronic	PRS	0.40 - 0.18	45	1.00	0.76 - 0.32	91 - 90	0.98
			C2642/347BE/SE/BES	CF Electronic	PRS	0.13	42	1.00	0.25	80	0.98
42W	120-277	347	C2642/347BE/SE/BES	CF Electronic	PRS	0.15	50	1.00	-	-	-
			C242UNVBE/SE/BES	CF Electronic	PRS	0.52 - 0.21	58 - 57	1.00	-	-	-
			C242/347BE/SE/BES	CF Electronic	PRS	0.18	61.00	1.00	-	-	-
57W	120-277	347	C242UNVBE/SE/BES	CF Electronic	PRS	0.61 - 0.27	73 - 72	1.00	-	-	-
			C242/347BE/SE/BES	CF Electronic	PRS	0.21	74.00	1.00	-	-	-
70W	120-277	347	C242UNVBE/SE/BES	CF Electronic	PRS	-	-	-	-	-	-
			C242/347BE/SE/BES	CF Electronic	PRS	-	-	-	-	-	-

Suffix: P - Side Lead Exit SE - Side Exit Terminals BE - Bottom Exit Terminal PBES - Bottom Lead Exit with Studs BES - Bottom Exit with Studs ME - Side and Bottom Exit Terminals

Suffixes: P - Fils de sortie latérale SE - Bornes de sortie latérale BE - Bornes de sortie inférieure PBES - Fils de sortie inférieure avec vis BES - Bornes pour fils de sortie inférieure avec vis ME - Bornes de sortie latérale et inférieure

**CFL Multi-E Kit**

Fits virtually every j-box cover and fixture application. The Multi-Exit ballast lead wire connection accommodates side and bottom lead exit requirements, and the Snap mount adapter plate adds bottom-exit studs and additional flexibility for replacement of older magnetic ballasts.

**Multi-E Kit Products:**  
 - C213UNVME000K  
 - C218UNVME000K  
 - C2642UNVME000K

**Trousses Multi-E:**  
 - C213UNVME000K  
 - C218UNVME000K  
 - C2642UNVME000K

**Multi-E Kits Contain:**  
 - Multi-Exit Ballast  
 - Snap-mount adapter plate  
 - Lead wire set  
 - Wire extraction tool  
 - Instructions

**Contenu de la trousse Multi-E:**  
 - Ballast à sorties multiples  
 - Plaque de raccord montée par enclenchement  
 - Jeu de fils de sortie  
 - Outil pour l'extraction des fils  
 - Fiche d'instructions

S'ajuste à virtuellement à tous les couvercles des boîtes de jonction et les luminaires. Le jeu de fils pour ballasts à sorties multiples s'utilise aussi bien par le côté que par le dessous, tandis que la plaque de raccord montée par enclenchement est munie de vis de sorties par le dessous offrant ainsi plus de flexibilité lors du changement des ballasts magnétiques moins récents.

HID	Lamp Type	Lamp Watts	ANSI Code	Input Volts	Catalog Nbr	Circuit Type	Input Power (Watts)	Max. Input Current	
	Type de Lampe	Puissance lampe (W)	Code ANSI	Tension (V)	No de catalogue	Type de circuit	Puissance (W)	Courant d'entrée max.	
	High Pressure Sodium								
High Pressure Sodium	Sodium à haute pression	35W	S76	120	S35120RCCEM000K	Reactor	44	0.85/0.63	
		50W	S68	120	S50120RCCEM000K	Reactor	60	1.12/0.90	
				120/208/240/277	S50MLTLC3M500K	HX-HPF	66	1.24/0.60/0.52/0.45	
		70W	S62	120	S70120RCCEM000K	Reactor	80	1.60/0.90/1.30	
				120/277/347	S70TRILC3M502K	HX-HPF	94	1.50/0.65/0.50	
		100W	S54	120	S100120RCCEM000K	Reactor	115	2.24/1.81	
				120/277/347	S100TRILC3M502K	HX-HPF	130	2.20/0.95/0.69	
		150W	S55	120	S150120RCCEM000K	Reactor	168	4.40/2.35	
				120/277/347	S150TRILC3M502K	HX-HPF	188	3.00/1.35/1.00	
		200W	S66	120/277/347	S200TRAC4M500K	CWA	233	2.00/0.86/0.68	
		250W	S50	120/277/347	S250TRAC4M502K	CWA	300	2.50/1.20/1.00	
		400W	S51	120/277/347	S400TRAC4M502K	CWA	465	3.98/1.30/1.35	
		1000W	S52	120/277/347	S400TRAC5M502K	CWA	467	3.90/1.70/1.35	
				120/277/347	S1000TRAC5M502K	CWA	1100	9.60/4.30/3.40	
		Metal Halide	Halogénures métalliques	39W	M130	120/277/347	M35TRILC3M502K	HX-HPF	54
50W	M110			120/277	11210-236C-TC	F-Can	70	0.64/0.65	
				120/277/347	M50TRILC3M502K				
70W	M85			120/277	11210-277C-TC	F-Can	98	2.00/0.90	
				M85 (double ended)	120/208/240/277	M70MLTL3D500K	HX-HPF	95	1.70/1.04/0.87/0.78
				120/347	11210-554C-TC	F-Can	90	2.00/0.80	