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POCKET GUIDE



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Tamco have over 50 years of experience in distributing spare parts, leading to excellent relationships with top lighting component manufacturing brands.

We can supply any part so be sure to contact us as soon as you need to, with no order too small. This brochure contains the most commonly required lighting components, but we can source anything you require, no matter how rare, to supply your project usually by the next day.

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HF BALLASTS

T8
& T5



PRO TIP: High Frequency ballasts don't require a starter or capacitor in circuit



TAMCO RANGE
EXPANDING DAILY

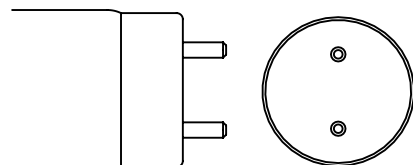


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100+ LIGHTING
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KEY	DESCRIPTION
PC	Non-Dimmable Tridonic
PCA	Dimmable Tridonic (DSI)
EL	Non-Dimmable Helvar
HF-P	Non-Dimmable Philips
HF-R	1-10V Dimmable Philips
SC	1-10V Dimmable Helvar
QT	Osram Non-Dimmable



NOTES

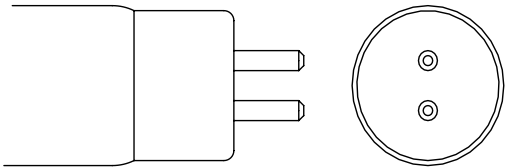
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T5 LAMPS



PRO TIP: T5 is a more energy efficient alternative to T8

KEY	DESCRIPTION
PC	Non-Dimmable Tridonic
PCA	Dimmable Tridonic (DSI)
EL	Non-Dimmable Helvar
HF-P	Non-Dimmable Philips
HF-R	1-10V Dimmable Philips
SC	1-10V Dimmable Helvar
QT	Osram Non-Dimmable



	WATTAGE	FIXED BALLAST		DIMMABLE BALLAST (HFD)	EMERGENCY COMBO	CELLS	OTHER FIXED BALLAST	OTHER DIMMABLE (1-10V)
G5	4w	PC1X4-13W BASIC		N/A	N/A		QT-ECO 1X4-16W S	N/A
		PC1X4-13W BASIC SL					QT-ECO 1X4-16W L	
G5	6w	PC1X4-13W BASIC		N/A	SD208+	(2 cell)	QT-ECO 1X4-16W S	N/A
		PC1X4-13W BASIC SL					QT-ECO 1X4-16W L	
G5	8w	PC1X4-13W BASIC		N/A	SD308+	(3 cell)		
		PC1X4-13W BASIC SL					QT-ECO 1X4-16W S	N/A
		PC1/2X9-13TCPRO					QT-ECO 1X4-16W L	
G5	13w	PC1X4-13W BASIC		N/A	N/A		QT-ECO 1X4-16W S	N/A
		PC1X4-13W BASIC SL					QT-ECO 1X4-16W L	
							HF-M 114 LH	
							HF-M 114 SH	
G5	14w	PC1X14-35TSPROLP	✓	PCA1X14/24T5ECO	PC1X14-3T5 COMBO	(3 cell)	HF-P 1 14-35 TL5 HE EII	HF-R 1 14-35 TL5 EII
	(2ft)	PC2X14-35TSPROLP	✓	PCA1X14/24T5 EXCEL	PC1X14-3T5 COMBO	(3 cell)	HF-P 2 14-35 TL5 HE EII	HF-R 2 14-35 TL5 EII
		PC1X14-35T5TOPLP		PCA2X14/24T5ECO	PC3/4X14-33 T5 COMBO	(3 cell)	QTP5 1X14-35	HF-R 3X14 TL5 EII
		PC2X14-28T5TOPLP		PCA2X14/24T5 EXCEL			QTP5 2X14-35	HF-R 4X14 TL5 EII
		PC1X14-21W BASIC SL					QTP5 3X14, 4X14	EL4X14SC
		PC3/4X14T5PROLP	✓				QTP5 3X14, 4X14	EL1X14SC
		PC3/4X14T5TOPLP					HF-M 114 SH	EL2X14SC
							HF-M 114 LH	
							QT-ECO 1X4-16W S	
							QT-ECO 1X4-16W L	

G5	21w	PC1X14-35TSPROLP	✓	PCA1X21/39T5ECO	PC1X21/28-5 T5 COMBO	(5 cell)	HF-P 1 14-35 TL5 HE EII	HF-R 1 14-35 TL5 EII
	(2ft)	PC2X14-35TSPROLP	✓	PCA2X21/39T5ECO	PC2X21/28-5 T5 COMBO	(5 cell)	HF-P 2 14-35 TL5 HE EII	HF-R 2 14-35 TL5 EII
		PC1X14-35T5TOPLP		PCA1X21/39T5 EXCEL			QTP5 1X14-35	EL1X21SC
		PC2X14-28T5TOPLP		PCA2X21/39T5 EXCEL			QTP5 2X14-35	EL2X21SC
		PC1X14-21W BASIC SL					HF-M 121 LH	
							QT-ECO 21 S	
G5	24w	PC1X24T5PROLP		PCA1X14/24T5ECO	PC1X24-4 T5 COMBO	(4 cell)	HF-P 1 24/39 TL5 III	HF-R 124 TL5/PL-L EII
	(2ft)	PC2X24T5PROLP		PCA1X14/24T5 EXCEL	PC2X24-4 T5 COMBO	(4 cell)	HF-P 2 24/39 TL5 III	HF-R 124 TL5/PL-L EII
		PC1X24T5TOPLP		PCA2X14/24T5ECO			HF-M 124 SH	HF-R 424 TL5 EII
		PC2X24T5TOPLP		PCA2X14/24T5 EXCEL			HF-M RED 124 SH	HF-R 324 TL5 EII
		PC1X18-24WBASICSL					QTP-OPTIMAL 1X18-40	EL1X24SC
		PC3/4X24T5PRO					QTP-OPTIMAL 2X18-40	EL2X24SC
		PC3/4X24T5TOP					QT-ECO 24 L	
G5	28w	PC1X14-35TSPROLP	✓	PCA1X28/54T5ECO	PC1X21/28-5 T5 COMBO	(5 cell)	HF-P 1 14-35 TL5 HE EII	HF-R 1 14-35 TL5 EII
	(4ft)	PC2X14-35TSPROLP	✓	PCA1X28/54T5 EXCEL	PC2X21/28-5 T5 COMBO	(5 cell)	HF-P 2 14-35 TL5 HE EII	HF-R 2 14-35 TL5 EII
		PC1X14-35T5TOPLP		PCA2X28/54T5ECO			HF-M 128 LH	EL1X28SC
		PC2X14-28T5TOPLP		PCA2X28/54T5 EXCEL			QTP5 1X14-35	EL2X28SC
							QTP5 2X14-35	
G5	35w	PC1X14-35TSPROLP	✓	PCA1X35/49/80T5ECO	PC1X35-6 T5 COMBO	(6 cell)	HF-P 1 14-35 TL5 HE EII	HF-R 1 14-35 TL5 EII
	(5ft)	PC2X14-35TSPROLP	✓	PCA1X35/49/80T5 EXCEL	PC2X35-6 T5 COMBO	(6 cell)	HF-P 2 14-35 TL5 HE EII	HF-R 2 14-35 TL5 EII
		PC1X14-35T5TOPLP		PCA2X35/49T5ECO			QTP5 1X14-35	EL1X35SC
		PC2X35T5TOPLP		PCA2X35/49T5 EXCEL			QTP5 2X14-35	EL2X35SC
G5	39w	PC1X39T5PROLP		PCA1X21/39T5ECO	PC1X39-5 T5 COMBO	(5 cell)	HF-P 1 24/39 TL5 III	HF-R 139 TL5 EII
	(3ft)	PC2X39T5PROLP		PCA2X21/39T5ECO	PC2X39-5 T5 COMBO	(5 cell)	HF-P 2 24/39 TL5 III	HF-R 239 TL5 EII
		PC1X39T5TOPLP		PCA1X21/39T5 EXCEL			QTP-OPTIMAL 1X18-40	EL1X39SC
		PC2X39T5TOPLP		PCA2X21/39T5 EXCEL			QTP-OPTIMAL 2X18-40	EL2X39SC
G5	49w	PC1X49T5PROLP	✓	PCA1X35/49/80T5ECO	PC1X49-5 T5 COMBO	(5 cell)	HF-P 149 TL5 HO III	HF-R 149 TL5 EII
	(5ft)	PC2X49T5PROLP	✓	PCA1X35/49/80T5 EXCEL	PC2X49-5 T5 COMBO	(5 cell)	HF-P 249 TL5 HO III	HF-R 249 TL5 EII
		PC1X49T5TOPLP		PCA2X35/49T5ECO			QT-FIT 1X49	EL1X49SC
		PC2X49T5TOPLP		PCA2X35/49T5 EXCEL			QT-FIT 2X49	EL2X49SC
G5	54w	PC1X54T5PROLP	✓	PCA1X28/54T5ECO	PC1X54-6 T5 COMBO	(6 cell)	HF-P 154/155 TL5HO/PLL III	HF-R 154 TL5 EII
	(4ft)	PC2X54T5PROLP	✓	PCA2X28/54T5ECO	PC2X54-6 T5 COMBO	(6 cell)	HF-P 254/255 TL5HO/PLL III	HF-R 254 TL5 EII
		PC1X54T5TOP		PCA1X28/54T5 EXCEL			QTP-OPTIMAL 1X54-58	EL1X54SC
		PC2X54T5TOP		PCA2X28/54T5 EXCEL			QTP-OPTIMAL 2X54-58	EL2X54SC
G5	80w	PC1X80T5PRO		PCA1X35/49/80T5ECO	PC1X80-6 T5 COMBO	(6 cell)	HF-P 180 TL5 III	HF-R 180 TL5/PL-L EII
	(5ft)	PC2X80T5PRO	✓	PCA1X35/49/80T5 EXCEL			HF-P 280 TL5/PL-L III	HF-R 280 TL5/PL-L EII
				PC2X80T5ECO			QTP5 1X80	EL1X80SC
				PCA2X80T5 EXCEL			QT-FQ 2X80	



HF BALLASTS

PL LAMPS



PRO TIP: There are 4 main types of PL lamps:

TC-SEL
(pg. 11)

TC-L
(pg. 12 - 13)

TC-DEL
(pg. 14)

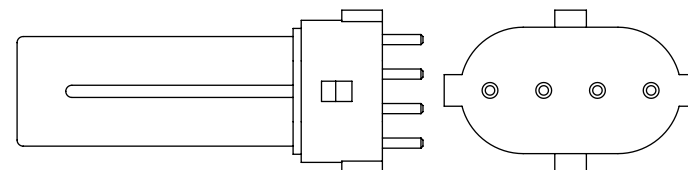
TC-F
(pg. 14)

TC-SEL LAMPS



PRO TIP: Non-emergency 2 pin PL lamps need to be used with a Switch Start choke. Non-emergency 4 pin PL lamps need to be used with High Frequency ballasts

KEY	DESCRIPTION
PC	Non-Dimmable Tridonic
PCA	Dimmable Tridonic (DSI)
EL	Non-Dimmable Helvar
HF-P	Non-Dimmable Philips
HF-R	1-10V Dimmable Philips
SC	1-10V Dimmable Helvar
QT	Osram Non-Dimmable

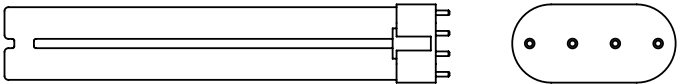


	WATTAGE	FIXED BALLAST	DIMMABLE BALLAST (HFD)	EMERGENCY COMBO	CELLS	OTHER FIXED BALLAST	OTHER DIMMABLE (1-10V)
2G7	5w	PC1X5-16W BASIC	N/A	N/A		N/A	N/A
		PC1X5-16W BASIC SL					
2G7	7w	PC1X5-16W BASIC	N/A	N/A		HF-M 109 SH	N/A
		PC1X5-16W BASIC SL				HF-M 109 LH	
						QT-ECO 1X4-16W S	
						QT-ECO 1X4-16W L	
2G7	9w	PC1/2X9-13TCPRO	N/A	D113	(3 cell)	HF-M 109 SH	N/A
		PC1X5-16W BASIC SL				HF-M 109 LH	
		PC1X5-16W BASIC				QT-ECO 1X4-16W S	
						QT-ECO 1X4-16W L	
2G7	11w	PC1X5-16W BASIC	PCA1/11/13TCECO	D113	(3 cell)	HF-M 109 SH	N/A
		PC1X5-16W BASIC SL	PCA1/11/13TCEXCEL			HF-M 109 LH	
		PC1/2X9-13TCPRO	PCA2/11/13TCECO			HF-M 114 LH	
			PCA2/11/13TCEXCEL			HF-M 114 SH	
						QT-ECO 1X4-16W S	
						QT-ECO 1X4-16W L	



TC-L LAMPS

KEY	DESCRIPTION
PC	Non-Dimmable Tridonic
PCA	Dimmable Tridonic (DSI)
EL	Non-Dimmable Helvar
HF-P	Non-Dimmable Philips
HF-R	1-10V Dimmable Philips
SC	1-10V Dimmable Helvar
QT	Osram Non-Dimmable



	WATTAGE	FIXED BALLAST	DIMMABLE BALLAST (HFD)	EMERGENCY COMBO	CELLS	OTHER FIXED BALLAST	OTHER DIMMABLE (1-10V)
26X11	16w	PC 1/14-35/24/39 T5 PRO-M Ip	N/A	N/A		N/A	N/A
2611	18w	QTP-OPTIMAL 1X18-40	PCA1X18/24 TCL ECO	D124	(4 cell)	HF-M 124 SH	N/A
		PC2/18/24 TCLPRO	PCA2X18/24 TCL ECO			HF-M 124 LH	N/A
		PC1/2X26-42TCPRO	PCA2X14/24T5ECO			HF-P 1 22-42 PL-T/C/TL5C	
		PC2X26-42TCPRO	PCA2X14/24T5 EXCEL			HF-P 2 22-42 PL-T/C/TL5C	
		PC1X18T8PROLP	PCA1X18/24 TCL EXCEL			QTP-M 1X26-42	
		PC2X18T8PROLP	PCA2X18/24 TCL EXCEL			QTP-M 2X26-42	
		PC1X18T8TOP				QTP-M 2X26-32	
		PC2X18T8TOP				QT-ECO 18 L	
						QT-ECO 24 S	
						QTP-DL 1X18/24	
						QTP-DL 2X18/24	
26X11	22w	PC1X14-35T5PROLP	N/A	N/A		N/A	N/A
		PC2X14-35T5PROLP					
2611	24w	PC1/18/24 TCLPRO	N/A	D124	(4 cell)	HF-M 124 SH	HF-R 124 TL5/PL-L EII
		PC1X24T5PROLP				HF-M 124 LH	HF-R 224 TL5/PL-L EII
		PC2X24T5PROLP				HF-P 1 22-42 PL-T/C/TL5C	ELIX24SC
		PC1X24T5TOPLP				HF-P 2 22-42 PL-T/C/TL5C	EL2X24SC
		PC2/18/24 TCLPRO				QTP-M 2X26-32	
		PC3/4X24T5TOP				QTP-M 2X26-42	
		PC2X24T5TOPLP				QTP-M 1X26-42	
		PC1/2X26-42TCPRO				QT-ECO 24 L	
		PC2X26-42TCPRO				QT-ECO 24 S	
						QTP-DL 1X18/24	

	WATTAGE	FIXED BALLAST	DIMMABLE BALLAST (HFD)	EMERGENCY COMBO	CELLS	OTHER FIXED BALLAST	OTHER DIMMABLE (1-10V)
2611	34w	PC1/36TCLPRO		N/A	N/A	N/A	N/A
		PC2/36TCLPRO					
2611	36w	PC1/36TCLPRO		PCA1X21/39T5ECO	PC1X36-33 TCL COMBO	(3 cell)	HF-P 118/136 TLD EII
		PC2/36TCLPRO		PCA2X21/39T5ECO	PC2X36-33 TCL COMBO	(3 cell)	HF-P 218/236 TLD EII
		HF-P 336 TLD III		PCA1X21/39T5 EXCEL			QTP-DL 1X36/40
		PC1X36T8PROLP		PCA2X21/39T5 EXCEL			QTP-DL 2X36/40
		PC2X36T8PROSL					QTP-OPTIMAL 1X18-40
		PC1X36T8TOP					QTP-OPTIMAL 2X18-40
		PC2X36T8TOP					
2611	40w	PC1/40TCLPRO		PCA1X21/39T5ECO	PC1X40-4 TCL COMBO	(4 cell)	HF-P1 14/21/24/39 TL5 EII
		PC2/40TCLPRO		PCA2X21/39T5ECO	PC2X40-4 TCL COMBO	(4 cell)	HF-P2 14/21/24/39 TL5 EII
				PCA1X21/39T5 EXCEL			QTP-DL 1X36/40
				PCA2X21/39T5 EXCEL			QTP-DL 2X36/40
				PCA1X26-57TCECO			QTP-OPTIMAL 1X18-40
				PCA1X26-57TC EXCEL			QTP-OPTIMAL 2X18-40
2611	55w	PC1/55TCLPRO		PCA1X35/49/80T5ECO	PC1X55-5 TCL COMBO	(5 cell)	HF-P 154/155 TL5 HQ/PLL III
		PC2/55TCLPRO		PCA1X35/49/80T5 EXCEL	PC2X55-5 TCL COMBO	(5 cell)	HF-P 254/155 TL5 HQ/PLL III
		PC1X80T5PRO		PC2X80T5ECO			QTP-DL 1X55 GII
		PC1X58T8PROLP		PCA2X80T5 EXCEL			QTP-DL 2X55 GII
		PC2X58T8PROSL					
		PC1X58T8TOP					
		PC2X58T8TOP					
2611	80w	PC1X80T5PRO		PCA1X35/49/80T5ECO	N/A		HF-P 180 TL5/PL-L III
		PC2X80T5PRO		PCA1X35/49/80T5 EXCEL			HF-P 280 TL5/PL-L III



PRO TIP: For TC-DEL lamps, using a universal lamp holder base can avoid using the wrong key

The image displays four orthographic views of a mechanical part. The top three views are top-down projections showing a square component with rounded corners, a central square feature, and four circular holes. The bottom view is a side elevation showing the component's profile, including a central rectangular block and two elongated, rounded features on the right side.

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C E F YOUR ELECTRICAL EXPERTS



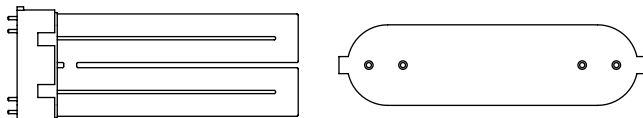
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TC-F LAMPS



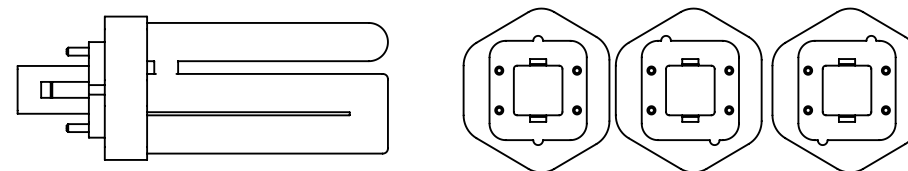
PRO TIP: High frequency ballasts for compact PL lamps are normally compact in size and square in shape

KEY	DESCRIPTION
PC	Non-Dimmable Tridonic
PCA	Dimmable Tridonic (DSI)
EL	Non-Dimmable Helvar
HF-P	Non-Dimmable Philips
HF-R	1-10V Dimmable Philips
SC	1-10V Dimmable Helvar
QT	Osram Non-Dimmable



	WATTAGE	FIXED BALLAST		DIMMABLE BALLAST (HFD)	EMERGENCY COMBO	CELLS	OTHER FIXED BALLAST	OTHER DIMMABLE (1-10V)
2G10	18w	PC1X18-24WBASISL		PCA1X18/24 TCL ECO	N/A		QTP-DL 1X18/24	N/A
		PC1/2X26-42TCPRO	✓	PCA2X18/24 TCL ECO			QTP-DL 2X18/24	
		PC2X26-42TCPRO	✓	PCA1X18/24 TCL EXCEL				
				PCA2X18/24 TCL EXCEL				
2G10	24w	PC1X18-24WBASISL		PCA1X18/24 TCL ECO	N/A		QTP-DL 1X18/24	N/A
		PC1/2X26-42TCPRO	✓	PCA2X18/24 TCL ECO			QTP-DL 2X18/24	
		PC2X26-42TCPRO	✓	PCA1X18/24 TCL EXCEL				
				PCA2X18/24 TCL EXCEL				
2G10	36w	PC1/36TCLPRO	✓	N/A	N/A		QTP-M 2X26-42	N/A
		PC2/36TCLPRO	✓					
		PC1X36T8PROSL	✓					

TC-TEL LAMPS

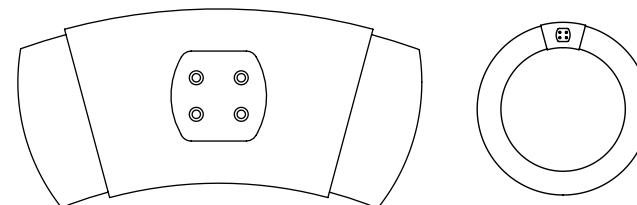


	WATTAGE	FIXED BALLAST		DIMMABLE BALLAST (HFD)	EMERGENCY COMBO	CELLS	OTHER FIXED BALLAST	OTHER DIMMABLE (1-10V)
GR14Q-1	11w	PC1/2X11-17TCPRO		PCA1/11/13TCECO	N/A			N/A
	14w			PCA1/11/13TCEXCEL				
	17w			PCA2/11/13TCECO				
				PCA2/11/13TCEXCEL				
GX24q-1	13w	PC1/2X9-13TCPRO		PCA2/11/13TCECO			QTP-D/E 1X10-13	
		PC1X5-16W BASIC		PCA1/11/13TCECO	N/A			N/A
		PC1X5-16W BASIC SL		PCA1/11/13TCEXCEL				
				PCA2/11/13TCEXCEL			QTP-D/E 2X10-13	
							QT-ECO 1X4-16W S	
							QT-ECO 2X4-16W S	
GX24q-2	18W	PC1/2X18TCPRO		PCA2X18TC ECO			HF-P 218 PL-T/C III	
		PC1X18W BASIC		PCA1X18TC ECO	D118	(4 cell)	HF-M 118 SH	HF-R 118 PL-T/C EII
		PC1X18W BASIC SL		PCA1X18TC EXCEL			HF-P 118 PL-T/C III	HF-R 218 PL-T/C EII
				PCA2X18TC EXCEL			QT-T/E 1X18,2X18	
GX24q-3	26w	PC1/2X26-42TCPRO	✓	PCA2X26/32/42TC ECO	PC1X26/32-5 TC COMBO	(5 cell)	QTP-M 1X26-42	
		PC2X26-42TCPRO	✓	PCA2X26/32/42TC EXCEL	PC1X26/32/42-6 TC COMBO	(6 cell)	QTP-M 2X26-32	
		PC1X26W BASIC		PCA1X26-57TCECO	PC1X26-3 TC COMBO	(3 cell)	HF-P 122-42 PL-T/C/TL5C	HF-R 126-42 PL-T/C EII
		PC1X26W BASIC SL		PCA1X26-57TC EXCEL	PC1X26-4 TC COMBO	(4 cell)	HF-P 222-42 PL-T/C/TL5C	HF-R 226-42 PL-T/C EII
					PC2X26-3 TC COMBO	(3 cell)	QTP-M 2X26-42	
					PC2X26-4 TC COMBO	(4 cell)	QT-ECO 1X26	
					PC2X26/32-5 TC COMBO	(5 cell)		
					PC2X26/32/42-6 TC COMBO	(6 cell)		



2D & CIRCULAR

KEY	DESCRIPTION
PC	Non-Dimmable Tridonic
PCA	Dimmable Tridonic (DSI)
EL	Non-Dimmable Helvar
HF-P	Non-Dimmable Philips
HF-R	1-10V Dimmable Philips
SC	1-10V Dimmable Helvar
QT	Osram Non-Dimmable



PRO TIP: Emergency combo ballasts are commonly used for fluorescent 2D lamps



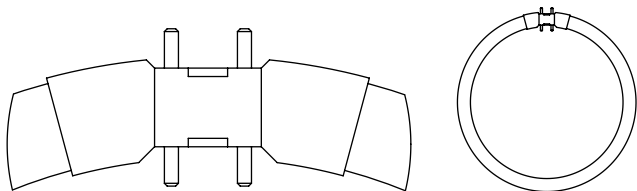
	WATTAGE	FIXED BALLAST	DIMMABLE BALLAST (HFD)	EMERGENCY COMBO	CELLS	OTHER FIXED BALLAST	OTHER DIMMABLE (1-10V)
G10q	22W	PC1X18-24WBASCSL	N/A	N/A		N/A	N/A
(T9)		PC1/2X26-42TCPRO	☑				
	32w	PC1/36TCLPRO	☑	N/A		N/A	N/A
	40w	PC1/36TCLPRO	☑	N/A		N/A	N/A
		PC2/36TCI PRO	☑				

NOTES



T5C LAMPS

KEY	DESCRIPTION
PC	Non-Dimmable Tridonic
PCA	Dimmable Tridonic (DSI)
EL	Non-Dimmable Helvar
HF-P	Non-Dimmable Philips
HF-R	1-10V Dimmable Philips
SC	1-10V Dimmable Helvar
QT	Osram Non-Dimmable

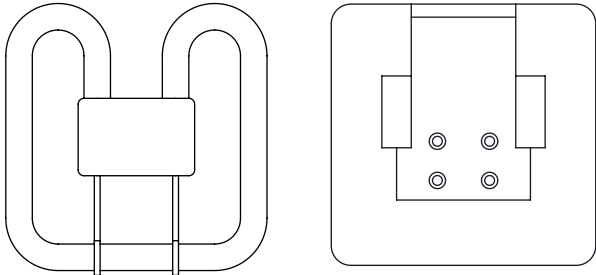


	WATTAGE	FIXED BALLAST		DIMMABLE BALLAST (HFD)	EMERGENCY COMBO	CELLS	OTHER FIXED BALLAST	OTHER DIMMABLE (1-10V)
26X13	22w	PC1/2X26-42TCPRO	✓	PCA1X18/24 TCL ECO	N/A		HF-M 124 SH	N/A
		PC2X26-42TCPRO	✓	PCA1X18/24 TCL EXCEL			HF-M 124 LH	
		PC1X18-24WBASCSL					HF-P 1 22-42 PL-T/C/TL5C	
							HF-P 2 22-42 PL-T/C/TL5C	
							QTP-M 1X26-42	
26X13	40w	PC1/2X26-42TCPRO	✓	PCA1X26-57TCECO	N/A		QTP-M 1X26-42	N/A
		PC2X26-42TCPRO	✓	PCA1X26-57TC EXCEL				
		PC1X39T5PROLP						
		PC2X39T5PROLP						
		PC1X39T5TOPLP						
		PC2X39T5TOPLP						
26X13	55w	PC1/55TCLPRO	✓	PCA1X55T5CECO	N/A		BCQ 155	N/A
		PC2/55TCLPRO	✓	PCA1X55T5C EXCEL			ELXC 155.378	
		PC1X54T5PROLP	✓					
		PC2X54T5PROLP	✓					
26X13	60w	PC1X70T8PRO	✓	N/A			MBQ 155/2	N/A
							ELXC 155.378	

4 PIN 2D LAMPS

**PRO TIP:** 4 Pin 2D lamps can be used in switch start emergency or HF fittings

KEY	DESCRIPTION
PC	Non-Dimmable Tridonic
PCA	Dimmable Tridonic (DSI)
EL	Non-Dimmable Helvar
HF-P	Non-Dimmable Philips
HF-R	1-10V Dimmable Philips
SC	1-10V Dimmable Helvar
QT	Osram Non-Dimmable



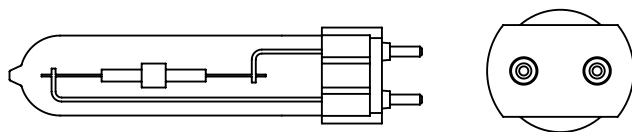
	WATTAGE	FIXED BALLAST		DIMMABLE BALLAST (HFD)	EMERGENCY COMBO	CELLS	OTHER FIXED BALLAST	OTHER DIMMABLE (1-10V)
GR10q	10w	PC1/2X9-13TCPRO		PCA1/11/13TCECO	N/A		BCC 116	N/A
				PCA1/11/13TCEXCEL				
GR10q	16w	PC1X5-16W BASIC		PCA1/11/13TCECO	PC1X16-33 HO DD COMBO	(3 cell)	BCC 116	N/A
		PC1X5-16W BASIC SL		PCA1/11/13TCEXCEL				
		PC1/2X9-13TCPRO						
GR10q	21w	PC1/2X18TCPRO		N/A	D121	(3 cell)	BCC 122	N/A
GR10q	28w	DK28	✓	PCA1X28TC-DDECO	PC1X28-33 HO DD COMBO	(3 cell)	BCC 122	N/A
				PCA1X28TC-DD EXCEL	PC1X28-33 LO DD COMBO	(3 cell)	BE 230-4-UN	
					PC1X28-33 LO E DD COMBO	(3 cell)		
					PC1X28-34 HO DD COMBO	(4 cell)		
					PC1X28-34 LO DD COMBO	(4 cell)		
GR10q	38w	DK38	✓	N/A	PC1X38-34 HO DD COMBO	(4 cell)	MBQ 138/2	N/A
					PC1X38-34 LO DD COMBO	(4 cell)		
					PC1X38-35 HO DD COMBO	(5 cell)		
	55w	PC1/55DDPRO	✓	N/A	N/A		N/A	N/A

CDM-T BALLASTS



PRO TIP: CDM-T HF ballasts with terminal covers/clamps are for the use outside the luminaire

KEY	DESCRIPTION
PC	Non-Dimmable Tridonic
PCA	Dimmable Tridonic (DSI)
EL	Non-Dimmable Helvar
HF-P	Non-Dimmable Philips
HF-R	1-10V Dimmable Philips
SC	1-10V Dimmable Helvar
QT	Osram Non-Dimmable
*	External Use



	WATTAGE	FIXED BALLAST	WATTAGE	FIXED BALLAST
			50w	HID-PV 50 S
	20w	HID-PV C 20 S		PTI 50 I*
		PTI 20 S		PTI 50 S
		PTI 20 I*		
		HID-PV M 20 I*	70w	HID-PV 70 S
		HID-PV M 20 S		HID-PV 70 I*
				HID-PV C 2X70 I*
				HID-PV C 2X70 S
				PTI 70 I*
	35w	HID-PV 35 S		PTI 70 S
		HID-PV C 35 S		PTI 2X70 S
		HID-PV C 2X35 S		PTI 2X70 I*
		HID-PV C 2X35 I*		
		PTI 35 I*		
		PTI 2X35 I*	100w	HID-PV C 100 S
		PTI 35 S		PTI 100 S
		PTI 2X35 S		HID-PV C 100 I*
			150w	HID-PV 150 S
				HID-PV 150 I*
				PTI 150 I*
				PTI 150 S

WIRE WOUND MAGNETIC BALLASTS

T8, T5
& TL



PRO TIP: Wire wound Magnetic ballasts can also be referred to as switch start gear or chokes

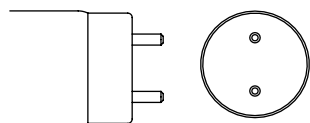


T8 & T5 SWITCH START

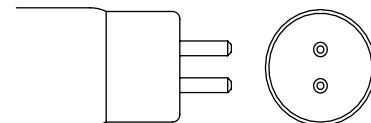


PRO TIP: Switch start gear is used in conjunction with a starter and capacitor

KEY	DESCRIPTION
PC	Non-Dimmable Tridonic
PCA	Dimmable Tridonic (DSI)
EL	Non-Dimmable Helvar
HF-P	Non-Dimmable Philips
HF-R	1-10V Dimmable Philips
SC	1-10V Dimmable Helvar
QT	Osram Non-Dimmable



	WATTAGE	PRODUCT	NO. OF LAMPS
G13	15w	LN 15.329	1
G13	18w	18/20w	1
	(2ft)	36/40w	2
G13	30w	LN 30.801	1
	(3ft)		
	36w	36/40w	1
G13	58w	58/65w	1
	(5ft)		
G13	70w	70w	1
	(6ft)		

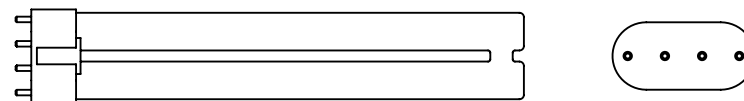


	WATTAGE	PRODUCT	NO. OF LAMPS
G5	4w	L4/6/8.404	1&2
G5	6w	L4/6/8.404	1
		LN 13.134	2
		LN 13.313	2
		LN 13.413	2
G5	8w	L4/6/8.404	1
		LN 13.134	2
		LN 13.313	2
		LN 13.413	2
G5	13w		
		LN 13.413	1
		LN 13.313	1

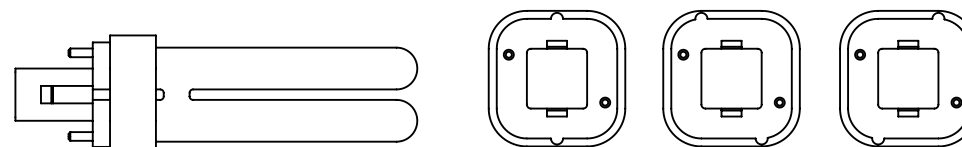
SWITCH START PL LAMPS



PRO TIP: 2 pin PL lamps need to be used with Switch start gear

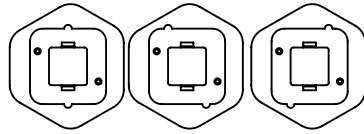
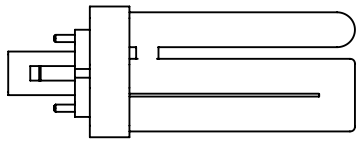


	WATTAGE	PRODUCT	NO. OF LAMPS
2G11	18w	LN 18.507	1
2G11	24w	LN 18.507	1
2G11	36w	LN 36.505	1

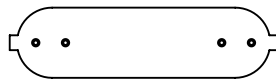
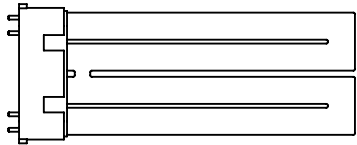


	WATTAGE	PRODUCT	NO. OF LAMPS
G24d-1	10w	LN 13.134	1
		LN 13.313	1
		LN 13.413	1
G24d-1	13w	LN 13.134	1
		LN 13.413	1
G24d-2	18w	LN18.147	1
		LN18.148	1
G24d-3	26w	LN 18.146	1
		LN 18.162	1

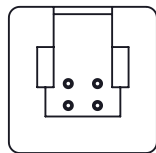
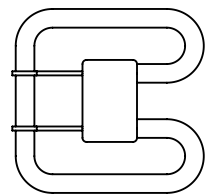




	WATTAGE	PRODUCT	NO. OF LAMPS
GX24d-1	13w	LN 13.413	1
GX24d-2	18W	LN 18.418	1
GX24d-3	26w	LN 18.162	1



	WATTAGE	PRODUCT	NO. OF LAMPS
2G10	18w	LN 18.162	1
2G10	24w	LN 18.162	1
2G10	36w	LN 36.201	1



	WATTAGE	PRODUCT	NO. OF LAMPS
GR10q	10w	LN 13.805	1
GR10q	16w	16W 2D BALLAST LN 16.316	1
GR10q	21w	LN 21.293	1
GR10q	28W	LN 18.131	1
GR10q	38w	LN 36.201	1

EMERGENCY LIGHTING

EMERGENCY MODULE FINDER



PRO TIP: Ballast Lumen Factor (BLF): the ratio of the light output of the lamp in emergency operation compared to the light output of the lamp in normal mains mode.



TRIDONIC (EBLF%)						MACKWELL (EBLF%)		
LAMP	WATT	3 CELL	4 CELL	5 CELL	6 CELL	3 CELL	4 CELL	5 CELL
T5	4					S3CHE (30) / S3C (27)	S4CHE (22) / S4C (34)	SSCHE (36) / SSC (34)
	6	EM 33A BASIC (18.5)	EM 34A BASIC (23)	EM 35A BASIC (30)	EM 36A BASIC (33.5)	S3CHE (32) / S3C (30)	S4CHE (25) / S4C (36)	SSCHE (37) / SSC (59)
	8	EM 33A BASIC (20.5)	EM 34A BASIC (25)	EM 35A BASIC (32.5)	EM 36A BASIC (35)	S3CHE (33) / S3C (30)	S4CHE (21) / S4C (35)	SSCHE (38) / SSC (63)
	13	EM 33A BASIC (17.5)	EM 34A BASIC (23)	EM 35A BASIC (30.5)	EM 36A BASIC (34)	S3CHE (19) / S3C (19)	S4CHE (22) / S4C (35)	SSCHE (36) / SSC (33)
	14	EM 33A BASIC (13.3)	EM 34A BASIC (21)	EM 35A BASIC (25.6)		S3CHE (18) / S3C (19)	S4CHE (22) / S4C (26)	SSCHE (36) / SSC (26)
	21				EM 36C BASIC (12.4)		S4CHE (19) / S4C (18)	SSCHE (18) / SSC (24)
	24						S4CHE (11)	
	28				EM 36C BASIC (11)		ST4C (8)	SSCHE (12) / ST504 (8)
	35		EM 34C BASIC (12.2)		EM 36C BASIC (10.3)			
	39							
	49				EM 36C BASIC (8.2)			
	54				EM 36C HO BASIC (6.4)			
	80				EM 36C HO BASIC (4.5)			
T5C	22		EM 34A MINI BASIC (15.3)				S4C (15)	SSC (20)
	40				EM 06 BASIC LP G2 (7.4)			
	55				EM 06 BASIC LP G2 (5.1)			
T8	15					S3CHE (19)	S4CHE (14) / S4C (16)	SSCHE (27) / SSC (17)
	18	EM 33B BASIC (9.4)	EM 34B BASIC (10.9)	EM 35A BASIC (16.8)		S3CHE (19)	S4CHE (14) / S4C (16)	SSCHE (27) / SSC (17)
	30	EM 33B BASIC (7.6)	EM 34B BASIC (10.3)	EM 35A BASIC (16.7)			S4CHE (10) / S4C (10)	SSCHE (10) / SSC (14)
	36	EM 33B BASIC (6.9)	EM 34B BASIC (7.8)	EM 35A BASIC (13.9)			S4CHE (7) / S4C (9)	
	58		EM 34B BASIC (6.1)	EM 35B BASIC (6.7)			SR665 (6) / S4CHE (7)	SSCHE (9)
	70			EM 35B BASIC (6.3)				SR666 (7) / SSCHE (9)
SEL	5					S3CHE (8) / S3C (26)	S4CHE (10) / S4C (30)	SSCHE (14) / SSC (44)
	7	EM 33C BASIC (12.7)				S3CHE (12) / S3C (24)	S4CHE (12) / S4C (30)	SSCHE (18) / SSC (51)
	9	EM 33C BASIC (14)				S3CHE (19) / S3C (32)	S4CHE (8) / S4C (36)	SSCHE (20) / SSC (54)
	11	EM 33C BASIC (15)				S3CHE (15) / S3C (22)	S4CHE (9) / S4C (24)	SSCHE (19) / SSC (32)

EXISTALITE (ABB) (EBLF%)					LITE PLAN (EBLF%)			
6 CELL	3 CELL	4 CELL	5 CELL	6 CELL	3 CELL	4 CELL	5 CELL	6 CELL
	ZT.3E/A (17)				HRN3 (28)	HRN4 (33)	HRN5 (39)	
	ZT.3E/A (15)							
	ZT.3E/A (22)				HRN3 (18)	HRN4 (21)	HRN5 (25)	
	ZT.3E/A (13)							
	ZT.3E/B (9)				HRN/T5/3/14 (15)	HRN/T5/4/14+24 (21)	LLS/5 (29)	LLS/6 (34)
	ZT.3F/B (9)					HRN/T5/4/21+22 (15)	LLS/5 (19)	LLS/6 (23)
SR654 (10) / ST506 (13)		ZT.3F/B (9)				HRN/T5/4/14+24 (15)	LLS/5 (17)	LLS/6 (20)
ST505 (12)			ZT.3G/B (8)					HRN/T5/6/28+54 (20) / LLS/6 (20)
SR654 (10) / ST505 (11) / ST515 (12)				ZT.3H/C (11)				HRN/T5/6/35+49 (17) / LLS/6 (14)
ST6C (12) / ST506 (12) / ST516 (12)			ZT.3G/C (5)				LLS/5 (10)	LLS/6 (12)
ST6C (6) / SR654 (7) / ST516 (8)			ZT.3G/B (5)	ZT.3H/B (7)				HRN/T5/6/35+49 (13) / LLS/6 (10)
SR654 (5) / ST506 (6) / ST516 (8)			ZT.3G/C (3)	ZT.3H/B (5)				HRN/T5/6/28+54 (12) / LLS/6 (9)
ST6C (4) / ST680 (4) / ST681 (3)				ZT.3H/B (5)				LLS/6 (5)
ST506 (13) / ST516 (13)		ZT.3F/B (10)				HRN/T5/4/21+22 (15)	LLS/5 (19)	LLS/6 (23)
ST6C (5) / ST506 (12) / ST516 (12)			ZT.3G/B (6)				LLS/5 (8)	PRA/6/55 (8) / LLS/6 (9)
ST506 (5) / ST516 (7)				ZT.3H/B (6)			LLS/5 (5)	PRA/6/55 (6) / LLS/6 (7)
	ZT.3E/A (7)							
	ZT.3E/A (7)				HRN3 (12)	HRN4 (14)	HRN5 (14) / LLS/5 (19)	
ST506 (8)		ZT.3F/B (8)						
ST506 (4) / ST516 (5)	ZT.3E/A (8)				HRN3 (8)	HRN4 (9)	HRN5 (11) / LLS/5 (10)	LLS/6 (12)
ST506 (4) / ST516 (5)		ZT.3F/A (6)				HRN4 (7)	HRN5 (8)	LLS/6 (7)
			ZT.3G/A (7)				HRN5 (7)	LLS/6 (6)
	ZT.3E/B (13)				HRN3 (25)	HRN4 (29)	HRN5 (35)	
	ZT.3E/B (15)				HRN3 (20)	HRN4 (24)	HRN5 (28)	
	ZT.3E/B (10)				HRN3 (19)	HRN4 (22)	HRN5 (26)	
	ZT.3E/B (10)				HRN3 (18)	HRN4 (21)	HRN5 (26)	

Preferred Options for Suppliers:

-  = Tridonic
-  = Mackwell
-  = Existalite
-  = Liteplan

TRIDONIC (EBLF%)						MACKWELL (EBLF%)		
LAMP	WATT	3 CELL	4 CELL	5 CELL	6 CELL	3 CELL	4 CELL	5 CELL
DEL	10					S3C (22)	S4C (26)	SSCHE (27) / SSC (55)
	13	EM 33C BASIC (12.7)		EM 35C BASIC (13.2)		S3CHE (15) / S3C (26)	S4CHE (13) / S4C (27)	SSCHE (30) / SSC (32)
	18			EM 35C BASIC (11.9)		S3CHE (9)	S4CHE (10) / S4C (16)	SSCHE (13) / SSC (22)
	26	EM 33B BASIC (5.8)	EM 34A BASIC (6.6)	EM 35C BASIC (10.4)		S3CHE (9)	S4CHE (9) / S4C (18)	SSCHE (13) / SSC (21)
TEL	13	EM 33C BASIC (10.2)		EM 35C BASIC (13.9)		S3CHE (18)	S4CHE (9) / S4C (10)	SSCHE (27) / SSC (28)
	18			EM 35C BASIC (10.4)		S3CHE (12)	S4CHE (9) / S4C (20)	SSCHE (20) / SSC (22)
	26	EM 33B BASIC (6.2)	EM 34B BASIC (6.9)	EM 35C BASIC (9.9)		S3CHE (7)	S4CHE (7) / S4C (14)	SSCHE (19) / SSC (22)
	32			EM 35D BASIC (6.3)			S4CHE (7)	SSCHE (8)
	42			EM 35D BASIC (4.8)				
TC-L	18	EM 33A BASIC (9.2)	EM 34A BASIC (12)	EM 35A BASIC (15.9)	EM 36 C BASIC (17.5)	S3CHE (18) / S3C (15)	S4CHE (10) / S4C (18)	SSCHE (15) / SSC (29)
	24		EM 34A BASIC (11.3)	EM 35A BASIC (15.2)	EM 36 C BASIC (17)	S3CHE (12)	S4CHE (9) / S4C (17)	SSCHE (14) / SSC (18)
	34					S3CHE (8)	S4CHE (10) / S4C (9)	SSCHE (14)
	36		EM 34B BASIC (6.3)	EM 35A BASIC (14.5)	EM 36 C BASIC (16.7)		S4CHE (8) / S4C (11)	SSCHE (7) / SSC (17)
	40		EM 34B BASIC (6.5)				S4CHE (7)	SSCHE (7)
	55		EM 34B BASIC (5.3)					SSCHE (7)
	80							
2D	16	EM 33A BASIC (14)	EM 34A BASIC (18.3)	EM 35A BASIC (23.1)	EM 36A BASIC (27.2)	S3CHE (11) / S3C (18)	S4CHE (13)	SSCHE (24) / SSC (30)
	21	EM 33A BASIC (13.1)	EM 34A BASIC (16.3)	EM 35A BASIC (21)	EM 36A BASIC (24.5)	S3CHE (14)	S4CHE (17) / S4C (23)	SSCHE (30) / SSC (31)
	28		EM 34A BASIC (13.2)	EM 35A BASIC (16.2)	EM 36A BASIC (20.5)	S3CHE (9)	S4CHE (11) / S4C (14)	SSCHE (10) / SSC (19)
	38			EM 35A BASIC (14.5)	EM 36A BASIC (16.5)		S4CHE (9)	SSCHE (9)
	55				EM 36A BASIC (10.1)			SSC (9)
TC-F	18							
	24							
	36		EM 34A MINI BASIC (11.5)					

EXISTALITE (ABB) (EBLF%)					LITE PLAN (EBLF%)			
6 CELL	3 CELL	4 CELL	5 CELL	6 CELL	3 CELL	4 CELL	5 CELL	6 CELL
	ZT.3E/B (9)				HRN3 (15)	HRN4 (18)	HRN5 (21)	
	ZT.3E/B (9)				HRN3 (16)	HRN4 (18)	HRN5 (22)	
	ZT.3E/B (7)				HRN3 (12)	HRN4 (14) / PRA/4 (4)	HRN5 (17) / LLS/5 (15)	PRA/6/55 (9)
		ZT.3F/B (9)			HRN3 (10)	HRN4 (12) / PRA/4 (2)	HRN5 (14) / LLS/5 (11)	PRA/6/55 (8) / LLS/6 (15)
	ZT.3E/B (9)							
		ZT.3F/B (10)			HRN3 (13)	HRN4 (15) / PRA/4 (3)	HRN5 (18) / LLS/5 (14)	PRA/6/55 (9)
		ZT.3F/B (9)	ZT.3G/B (13)		HRN3 (6)	HRN4 (11) / PRA/4 (3)	HRN5 (13) / LLS/5 (10)	PRA/6/55 (9) / LLS/6 (14)
				ZT.3H/B (5)		PRA/4 (3)	LLS/5 (8)	PRA/6/55 (7) / LLS/6 (11)
AS642 (8)				ZT.3H/B (5)			LLS/5 (6)	PRA/6/55 (9) / LLS/6 (9)
	ZT.3E/B (5)				HRN3 (12)	HRN4 (14) / PRA/4 (3)	HRN5 (16) / LLS/5 (19)	PRA/6/55 (5)
		ZT.3F/B (8)			HRN3 (11)	HRN4 (12) / PRA/4 (3)	HRN5 (15) / LLS/5 (15)	PRA/6/55 (7) / LLS/6 (18)
			ZT.3G/C (5)		HRN3 (8)	HRN4 (9)	HRN5 (11) / LLS/5 (10)	PRA/6/55 (5) / LLS/6 (12)
		ZT.3F/C (6)	ZT.3G/C (8)		HRN3 (8)	HRN4 (9)	HRN5 (11) / LLS/5 (10)	PRA/6/55 (5) / LLS/6 (12)
		ZT.3F/C (3)	ZT.3G/C (5)			HRN4 (9)	HRN5 (11) / LLS/5 (6)	PRA/6/55 (9) / LLS/6 (9)
SR655 (14)							LLS/5 (6)	LLS/6 (8)
ST680 (3) / ST681 (3)								LLS/6 (5)
	ZT.3E/B (15)				HRN3 (13)	HRN4 (15)	HRN5 (18) / LLS/5 (22)	
		ZT.3F/B (14)						
		ZT.3F/B (10)			HRN3 (10)	HRN4 (11) / PRA/4 (3)	HRN5 (13) / LLS/5 (13)	PRA/6/55 (10) / LLS/6 (15)
SR642 (11)			ZT.3F/B (5)			HRN4 (8)	HRN5 (10) / LLS/5 (9)	PRA/6/55 (6) / LLS/6 (11)
SR642 (5)				ZT.3H/B (6)			LLS/5 (6)	PRA/6/55 (3) / LLS/6 (8)
	ZT.3E/A (9)				HRN3 (12)	HRN4 (14) / PRA/4 (3)	HRN5 (16) / LLS/5 (19)	PRA/6/55 (5) / LLS/6 (23)
		ZT.3F/B (11)			HRN3 (11)	HRN4 (12) / PRA/4 (3)	HRN5 (15) / LLS/5 (15)	PRA/6/55 (7) / LLS/6 (18)
			ZT.3G/C (3)		HRN3 (8)	HRN4 (9)	HRN5 (11) / LLS/5 (10)	PRA/6/55 (6) / LLS/6 (12)

Preferred Options for Suppliers:

-  = Tridonic
-  = Mackwell
-  = Existalite
-  = Liteplan

EMERGENCY LIGHTING

EMERGENCY BATTERIES



PRO TIP: It is important to choose the correct type of battery. Look out for Codes NiCd or NiMH



NiCd BATTERIES

TYPE	CELLS	AMP	SIZE	PART CODE	FORMATION	CONNECTION
NiCd	1	4.5AH	D	1D BATTERY 45NC70 CON	STICK	AMP PLUG
NiCd	2	4.5AH	D	2D BATTERY 45NC70 CON+CAP ☒	STICK	AMP PLUG
NiCd	2	4AH	D	2D BATTERY 40NC55 CON + CAP	STICK	AMP PLUG
NiCd	2	4AH	D	Accu-NiCd 2A 55	STICK	SPADE
NiCd	2	4AH	D	NCD24SS	STICK	SPADE
NiCd	2	4.5AH	D	2D BATTERY 45NC70 SBS CON ☒	SBS	AMP PLUG
NiCd	2	4AH	D	2D BATTERY 40NC55 SBS CON	SBS	AMP PLUG
NiCd	2	2.5AH	C	2C BATTERY 25NC70 CON	STICK	AMP PLUG
NiCd	2	2.5AH	C	2C BATTERY 25NC70 SBS CON	SBS	AMP PLUG
NiCd	2	1.6AH	SUB C	2SC BATTERY 16NC50 WIRE	STICK	WIRE + SPADE
NiCd	3	4.5AH	D	3D BATTERY 45NC70 CON ☒	STICK	AMP PLUG
NiCd	3	4.5AH	D	2D+1D BATTERY 45NC70 CON	STICK+STICK	AMP PLUG
NiCd	3	4.5AH	D	3D BATTERY 45NC70 CON+CAP ☒	STICK	AMP PLUG
NiCd	3	4AH	D	3D BATTERY 40NC55 CON + C	STICK	AMP PLUG
NiCd	3	4AH	D	ACCU-NiCd 3A	STICK	SPADE
NiCd	3	4AH	D	NCD34SS	STICK	SPADE
NiCd	3	4.5AH	D	3D BATTERY 45NC70 SBS CON ☒	SBS	AMP PLUG
NiCd	3	4AH	D	3D BATTERY 40NC55 SBS CON	SBS	AMP PLUG
NiCd	3	4.5AH	D	2D+1D BATTERY 45NC70 CON	STICK	AMP PLUG
NiCd	3	4AH	D	3D BATTERY (2+1) CON SPEC	SPECIAL	AMP PLUG
NiCd	3	2.5AH	C	3C BATTERY 25NC70 CON	STICK	AMP PLUG
NiCd	3	1.6AH	Sub C	3SC BATTERY 16NC50 WIRE	STICK	WIRE + SPADE
NiCd	3	1.6AH	Sub C	3SC BATTERY 16NC50 SBS	SBS	WIRE + SPADE
NiCd	4	4.5AH	D	4D BATTERY 45NC70 CON+CAP ☒	STICK	AMP PLUG
NiCd	4	4AH	D	4D BATTERY 40NC55 CON + C	STICK	AMP PLUG
NiCd	4	4.5AH	D	4D BATTERY 45NC70 SBS CON ☒	STICK	AMP PLUG
NiCd	4	4AH	D	4D BATTERY 40NC55 SBS CON	STICK	AMP PLUG
NiCd	4	4.5AH	D	2D+2D BATTERY 45NC70 CON	STICK+STICK	AMP PLUG
NiCd	4	4.5AH	D	2D+2D BATTERY 45NC70 SBS	SBS+SBS	AMP PLUG
NiCd	4	4.5AH	D	2D+2D DOUBLE BARREL CON	SPECIAL	AMP PLUG
NiCd	4	4AH	D	ACCU-NiCd 4A	STICK	SPADE



NiCd BATTERIES



PRO TIP:

Lighting batteries are made up of various cells depending on the wattage of the lamp being run. These cells are 1.2V each so a 3 cell battery would be 3.6V, see below:

1 Cell = 1.2V
1.2V x 3 = 3.6V = 3 Cell Battery
1.2V x 5 = 6V = 5 Cell Battery

TYPE	CELLS	AMP	SIZE	PART CODE	FORMATION	CONNECTION
NiCd	4	4AH	D	ACCU-NiCd 4B	SBS	AMP PLUG
NiCd	4	4AH	D	NCD44SS	STICK	SPADE
NiCd	4	2.5AH	C	4C BATTERY 25NC70 CON+CAP	STICK	AMP PLUG
NiCd	4	1.6AH	SUB C	4SC BATTERY 16NC50 WIRE	STICK	WIRE + SPADE
NiCd	4	1.6AH	SUB C	4SC BATTERY 16NC50 CONM+C	STICK	WIRE + SPADE
NiCd	4	7AH	F	4F BATTERY 70NC70 CON+CAP	STICK	AMP PLUG
NiCd	5	4.5AH	D	5D BATTERY 45NC70 CON+CAP	STICK	AMP PLUG
NiCd	5	4AH	D	5D BATTERY 40NC55 CON + C	STICK	AMP PLUG
NiCd	5	4.5AH	D	5D BATTERY 45NC70 SBS CON	SBS	AMP PLUG
NiCd	5	4.5AH	D	3D+2D BATTERY 45NC70 CON	STICK+STICK	AMP PLUG
NiCd	5	4.5AH	D	5D BATTERY SPECIAL	SPECIAL	AMP PLUG
NiCd	5	4AH	D	ACCU-NiCd 5A	STICK	SPADE
NiCd	5	4AH	D	ACCU-NiCd 5C 55	STICK+STICK	SPADE
NiCd	5	4AH	D	NCD54SS	STICK	SPADE
NiCd	5	2.5AH	C	5C BATTERY 25NC70 CON+CAP	STICK	AMP PLUG
NiCd	5	7AH	F	5F BATTERY 70NC70 CON+CAP	STICK	AMP PLUG
NiCd	6	4.5AH	D	6D BATTERY 45NC70 CON+CAP	STICK	AMP PLUG
NiCd	6	4AH	D	6D BATTERY 40NC55 CON + C	STICK	AMP PLUG
NiCd	6	4.5AH	D	6D BATTERY 45NC70 SBS CON	SBS	AMP PLUG
NiCd	6	4AH	D	ACCU-NiCd 6C	STICK+STICK	SPADE
NiCd	6	4AH	D	NCD64SS	STICK	SPADE
NiCd	6	2.5AH	C	6C BATTERY 25NC70 CON+CAP	STICK	AMP PLUG
NiCd	6	4.5AH	D	3D+3D DOUBLE BARREL BATT	SPECIAL	AMP PLUG

NiMH BATTERIES



PRO TIP:

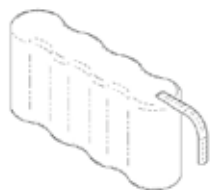
NiMH battery cells are a more advanced option over NiCd. They have better performance ratings, larger capacity capabilities and are more environmentally friendly to produce. It is important to choose the correct type of technology, because this can determine getting the right size cell and compatibility with the emergency gear being used.

TYPE	CELLS	AMP	SIZE	PART CODE	FORMATION	CONNECTION
NiMH	2	2.2Ah	C	ACCU-NiMH 2.2AH 2A	STICK	SPADE
NiMH	2	4AH	C	B902	STICK	SPADE
NiMH	3	2.2AH	C	ACCU-NiMH 2.2AH 3A	STICK	SPADE
NiMH	3	4AH	C	ACCU-NiMH 4AH 3A CON	STICK	AMP PLUG
NiMH	3	2AH	C	B953	STICK	SPADE
NiMH	3	4AH	C	B903	STICK	SPADE
NiMH	4	2.2AH	C	ACCU-NiMH 2.2AH 4A	STICK	SPADE
NiMH	4	4AH	C	ACCU-NiMH 4AH 4A CON	STICK	AMP PLUG
NiMH	4	4AH	C	ACCU-NiMH 4AH 4C CON	STICK+STICK	AMP PLUG
NiMH	4	4	C	B904	STICK+STICK	SPADE
NiMH	5	2.2AH	C	ACCU-NiMH 2.2AH 5A	STICK	SPADE
NiMH	5	2.2AH	C	ACCU-NiMH 2.2AH 5B	SBS	SPADE
NiMH	5	4AH	C	Accu-NiMH 4Ah 5C CON	STICK+STICK	AMP PLUG
NiMH	5	4AH	C	B905	STICK+STICK	SPADE
NiMH	6	2.2AH	C	ACCU-NiMH 2.2AH 6A	STICK	SPADE
NiMH	6	2.2AH	C	ACCU-NiMH 2.2AH 6C	STICK+STICK	SPADE
NiMH	6	4AH	C	ACCU-NiMH 4AH 6C CON	STICK+STICK	AMP PLUG
NiMH	6	4AH	C	B906	STICK+STICK	SPADE



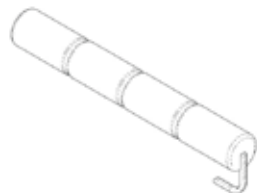
CHOOSING THE CORRECT BATTERY

A



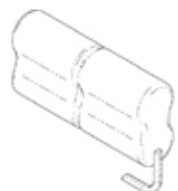
SBS Battery
Connections available
AMP plug
Spade Connections

B



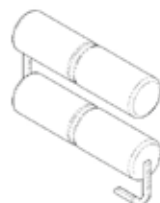
Stick Battery
Connections available
AMP plug
Spade Connections

C



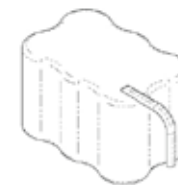
SBS Stick Battery
Connections available
AMP plug
Lead

D



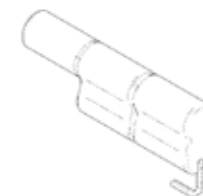
Stick + Stick Battery
Connections available
AMP plug
Lead

E



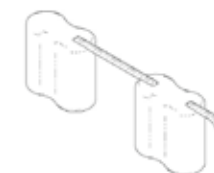
SBS Block
Connections available
AMP plug

F



SBS Special
Connections available
AMP plug

G



SBS & SBS Battery
Connections available
AMP plug

Connections Available:

- AMP Plug
- Spade Connection
- Lead Only
- Various JST Connections

Various connections available on request

Various connections available on request

CHOOSING THE CORRECT LED DRIVER



PRO TIP:

LED Drivers come in two main types, Constant Voltage or Constant Current.

Most common DC Voltages are 12V & 24V.

CONSTANT VOLTAGE

What is the wattage you require?

What is the Voltage you require? E.g. 12V, 24V

What is current range of the driver? E.g. 0 - 3A

Do you require a certain IP rating? E.g. IP67

Do you require a fixed output or dimmable driver?

If dimmable, what type of dimming do you require? E.g. 1 - 10V, Triac, Dali.

Are there any physical size restrictions?

Example : 20W 12V 1.67A IP67

NOTES



PRO TIP:

The Output current determines how bright the LEDs will operate, the higher the output current the brighter the LED.

CONSTANT CURRENT

What is the wattage you require?

What is the output current you require? E.g. 350mA, 700mA

What is the Min-Max Forward Voltage range? E.g. 15 - 40.0V

Do you require a certain IP rating? E.g. IP67

Do you require a fixed output or dimmable driver?

If dimmable, what type of dimming do you require? E.g. 1 - 10V, Triac, Dali.

Are there any physical size restrictions?

Example : 10W 350mA 15-40V IP20

NOTES



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UK & Ireland Stores



Always going above
and beyond