

FLUORESCENT DIMMING BALLAST COMPATIBILITY TABLE¹

LAMP Type: T26 (formally T8)

Wattage	Base Type	Type	Suitable Ballast's	Dimming Range
1 x 18	G13	4-Wire	Osram HF1x18DIM	1 - >100%
		4-Wire	Huco 09 7173	5 - >100%
		4-Wire	Philips HF-R 118 TLD	3 - >100%
		4-Wire	Magnatek DBT118	1 - >100%
		4-Wire	Helvar EL1x18HFC	5 - >100%
		Digital	Tridonic PCA 18 EXCEL	1 - >100%
		2-Wire	Helvar EL1x18FD	10 - >100%
2 x 18	G13	4-Wire	Osram HF2x18DIM	1 - >100%
		4-Wire	Huco 09 7183	5 - >100%
		4-Wire	Philips HF-R 218 TLD	3 - >100%
		4-Wire	Magnatek DBT218	1 - >100%
		4-Wire	Helvar EL2x18HFC	5 - >100%
		Digital	Tridonic PCA 2/18 EXCEL	1 - >100%
		2-Wire	Helvar EL1x36/2x18FD	10 - >100%
1 x 36	G13	4-Wire	Osram HF1x36DIM	1 - >100%
		4-Wire	Huco 09 7174	5 - >100%
		4-Wire	Philips HF-R 136 TLD	3 - >100%
		4-Wire	Magnatek DBT136	1 - >100%
		4-Wire	Helvar EL1x36HFC	10 - >100%
		Digital	Tridonic PCA 36 EXCEL	1 - >100%
		2-Wire	Helvar EL1x36/2x18FD	10 - >100%
2 x 36	G13	4-Wire	Osram HF2x36DIM	1 - >100%
		4-Wire	Huco 09 7184	5 - >100%
		4-Wire	Philips HF-R 236 TLD	3 - >100%
		4-Wire	Magnatek DBT236	1 - >100%
		4-Wire	Helvar EL2x36HFC	5 - >100%
		Digital	Tridonic PCA 2/36 EXCEL	1 - >100%
		2-Wire	Helvar EL2x36FD	10 - >100%
1 x 58	G13	4-Wire	Osram HF1x58DIM	1 - >100%
		4-Wire	Huco 09 7175	5 - >100%
		4-Wire	Philips HF-R 158 TLD	3 - >100%
		4-Wire	Magnatek DBT158	1 - >100%
		4-Wire	Helvar EL1x58HFC	5 - >100%
		Digital	Tridonic PCA 58 EXCEL	1 - >100%
		2-Wire	Helvar EL1x58FD	10 - >100%

¹ The information in this section is taken from manufacturers' literature. Polaron Controls Ltd does not guarantee that the lamp and or ballast manufacturers will not change their specifications

LAMP Type: T26 (formally T8) (cont.)

Wattage	Base Type	Type	Suitable Ballast's	Dimming Range
2 x 58	G13	4-Wire	Osram HF2x58DIM	1 - >100%
		4-Wire	Huco 09 7185	5 - >100%
		4-Wire	Philips HF-R 258 TLD	3->100 %
		4-Wire	Magnatek DBT258	1 - >100%
		4-Wire	Helvar EL2x58HFC	10 - >100%
		Digital	Tridonic PCA 2/58 EXCEL	1 - >100%
		2-Wire	Helvar EL2x58FD	10 - >100%
1 x 70	G13	4-wire	Helvar EL1x70HFC	5 - >100%
		2-wire	Helvar EL1x70FD	10 - >100%
2 x 70	G13	4-wire	Helvar EL2x70HFC	5 - >100%
		2-wire	Helvar EL2x70FD	10 - >100%

Lamp Type: TC-L (Single ended 2 limb)

Wattage	Base Type	Dimmable Type	Suitable Ballast's	Dimming Range
1 x 18	2G11	4-Wire	Huco 09 7015	5 - >100%
		4-Wire	Helvar EL1x18CHFC-L/F	5 - >100%
		Digital	Tridonic PC 16-A011	1 - >100%
		2-Wire	Helvar EL1x18FD2F	10 - >100%
2 x 18	2G11	4-Wire	Huco 09 7025	5 - >100%
		4-Wire	Helvar EL2x18CHFC-L/F	5 - >100%
		Digital	Tridonic PC 2x 16 -A011	1 - >100%
		2-Wire	Helvar EL1x36/2x18FD2F	10 - >100%
1 x 24	2G11	4-Wire	Huco 09 7016	5 - >100%
		4-Wire	Helvar EL1x24CHFC-L/F	5 - >100%
		Digital	Tridonic PC 24TCL-A011	1 - >100%
		2-Wire	Helvar EL1x24FD2F	10 - >100%
2 x 24	2G11	4-Wire	Huco 09 7026	5 - >100%
		4-Wire	Helvar EL2x24CHFC-L/F	5 - >100%
		Digital	Tridonic PC2x24TCL-A011	1 - >100%
		2-Wire	Helvar EL2x24FD2F	10 - >100%
1 x 36	2G11	4-Wire	Osram HF1x36DIM	2 - >100%
		4-Wire	Huco 09 7075	5 - >100%
		4-Wire	Philips HF-R 136 PLL	3 - >100%
		4-Wire	Helvar EL1x36HFC2F	5 - >100%
		Digital	Tridonic PC36TCL-A011	1 - >100%
		2-Wire	Helvar EL1x36/2x18FD2F	10 - >100%

Lamp Type: TC-L (Single ended 2 limb) (cont.)

Wattage	Base Type	Dimmable Type	Suitable Ballast's	Dimming Range
2 x 36	2G11	4-Wire	Osram HF2x36DIM	2 - >100%
		4-Wire	Huco 09 7085	5 - >100%
		4-Wire	Philips HF-R 236 PLL	3 - >100%
		Digital	Tridonic PC2x36TCL-A011	1 - >100%
		4-Wire	Helvar EL2x36HFC2F	5 - >100%
		2-Wire	Helvar EL2x36FD2F	10 - >100%
1 x 40	2G11	4-wire	Philips HF-R 140 PLL	3 - >100%
		4-wire	Huco 09 7076	5 - >100%
		Digital	Tridonic PC40TCL-A011	1 - >100%
		4-wire	Helvar EL2x36HFC2F	5 - >100%
2 x 40	2G11	4-wire	Philips HF-R 240 PLL	3 - >100%
		Digital	Tridonic PC2x40TCL-A011	1 - >100%
1 x 55	2G11	4-Wire	Osram HF1x55DIM	2 - >100%
		4-Wire	Philips HF-R 155 PLL	3 - >100%
		4-Wire	Huco 09 7077	5 - >100%
		4-Wire	Helvar EL1x55HFC2F	5 - >100%
		Digital	Tridonic PC55TCL-A011	1 - >100%
2 x 55	2G11	4-Wire	Osram HF2x55DIM	2 - >100%
		4-Wire	Huco 09 7087	5 - >100%
		4-Wire	Philips HF-R 255 PLL	3 - >100%
		4-Wire	Helvar EL2x55HFC2F	5 - >100%
		Digital	Tridonic PC2x55TCL-A011	1 - >100%

Lamp Type: TC-F (4 limb side by side)

Wattage	Base Type	Dimmable Type	Suitable Ballast's	Dimming Range
1 x 18	2G10	4-Wire	Huco 09 7015	5 - >100%
		4-Wire	Helvar EL1x18CHFC-L/F	5 - >100%
2 x 18	2G10	4-Wire	Huco 09 7025	5 - >100%
		4-Wire	Helvar EL2x18CHFC-L/F	5 - >100%
1 x 24	2G10	4-Wire	Huco 09 7016	5 - >100%
		4-Wire	Helvar EL1x24CHFC-L/F	5 - >100%
2 x 24	2G10	4-Wire	Huco 09 7026	5 - >100%
		4-Wire	Helvar EL2x24CHFC-L/F	5 - >100%
1 x 36	2G10	4-Wire	Osram HF1x36DIM	2 - >100%
		4-Wire	Helvar EL1x36CHFC-L/F	5 - >100%
		2-Wire	Helvar EL1x36/2x18FD	10 - >100%
2 x 36	2G10	4-Wire	Osram QT2x36DIM	2 - >100%
		2-Wire	Helvar EL2x36FD	10 - >100%

Lamp Type: TC-DD (2 pin types, Common name 2D)

Wattage	Base Type	Dimmable Type	Suitable Ballast's	Dimming Range
16	GR8 (2-pin)	Non-Dim		
28	GR8 (2-pin)	Non-Dim		

Lamp Type: TC-DD (4-pin types, Common name 2D)

Wattage	Base Type	Dimmable Type	Suitable Ballast's	Dimming Range
10	GR10(4-pin)		None Known	
16	GR10(4-pin)		None Known	
21	GR10(4-pin)		None Known	
28	GR10(4-pin)	4-Wire 2-Wire	Huco 09 7476 Helvar EL1x24FD2F	10 - >100% 10 - >100%
38	GR10(4-pin)	4-Wire 2-Wire	Huco 09 7477 Helvar EL1x36/2x18FD	10 - >100% 10 - >100%
55	GR10(4-pin)	4-Wire	Huco 09 7478	10 - >100%

Lamp Type: TC – (Short 2-limb, Common name PL)

Wattage	Base Type	Dimmable Type	Suitable Ballast's	Dimming Range
5, 7, 9, & 11	G23 (2-pin)	Non-Dim		
2x5, 2x 7, 2x 9 & 2x11	2G7 (4-pin)	4-Wire	Huco 09 6983	10 - >100%

Lamp Type: TC – D (4-limb, 2-pin, Common name PL-C)

Wattage	Base Type	Dimmable Type	Suitable Ballast's	Dimming Range
10 & 13	G24d-1	Non-Dim		
18	G24d-2	Non-Dim		
26	G24d-3	Non-Dim		

Lamp Type: TC-DE (4-limb, Common name PL-C – 4 Pin)

Wattage	Base Type	Dimmable Type	Suitable Ballast's	Dimming Range
1 x 13	G24q-1	4-Wire 4-Wire Digital	Huco 09 6974 Helvar EL1x10/13CHFC Tridonic PC13TCD –A111	10 - >100% 10 - >100% 3 - >100%

Lamp Type: TC-DE (4-limb, Common name PL-C – 4 Pin) (cont.)

Wattage	Base Type	Dimmable Type	Suitable Ballast's	Dimming Range
2 x 13	G24q-1	4-Wire 4-Wire Digital	Huco 09 6984 Helvar EL2x10/13CHFC Tridonic PC2x13TCD – A111	10 - >100% 10 - >100% 3 - >100%
1 x 18	G24q-2	4-Wire 4-Wire 4-Wire Digital	Osram QT-D/E1x18DIM Huco 09 6975 Helvar EL1x18CHFC Tridonic PC18TCD –A111	10 - >100% 10 - >100% 10 - >100% 3 - >100%
2 x 18	G24q-2	4-Wire 4-Wire Digital	Huco 09 6985 Helvar EL2x18CHFC Tridonic PC2x18TCD – A111	10 - >100% 10 - >100% 3 - >100%
1 x 26	G24q-3	4-Wire 4-Wire 4-Wire Digital	Osram QT-DE1x26DIM Huco 09 6976 Helvar EL1x26CHFC Tridonic PC26TCD –A111	10 - >100% 10 - >100% 10 - >100% 3 - >100%
2 x 26	G24q-3	4-Wire 4-Wire 4-Wire Digital	Osram QT-DE2x18DIM Huco 09 6986 Helvar EL2x26CHFC Tridonic PC2x26TCD – A111	10 - >100% 10 - >100% 10 - >100% 3 - >100%

Lamp Type: TC – EL (4 or 6-limb, Usually domestic use only)

Wattage	Base Type	Dimmable Type	Suitable Ballast's	Dimming Range
5, 11	ES or BC	Non-Dim		
15, 20, 23	ES or BC	Non-Dim		

Lamp Type: TC – TE (6-limb, 4 pin)

Wattage	Base Type	Dimmable Type	Suitable Ballast's	Dimming Range
1 x 13	GX24q-1	4-Wire 4-Wire	Huco 09 6974 Helvar EL1x10/13 CHFC	10 - >100% 10 - >100%
2 x 13	GX24q-1	4-Wire 4-Wire	Huco 09 6984 Helvar EL2x10/13 CHFC	10 - >100% 10 - >100%
1 x 18	GX24q-2	4-Wire 4-Wire 4-Wire Digital	Osram QT-DE1x18DIM Huco 09 6975 Helvar EL1x18CHFC Tridonic PC18TCD –A111	10 - >100% 10 - >100% 10 - >100% 3 - >100%

Lamp Type: TC – TE (6-limb, 4 pin) (cont.)

Wattage	Base Type	Dimmable Type	Suitable Ballast's	Dimming Range
2 x 18	GX24q-2	4-Wire 4-Wire 4-Wire Digital	Osram QT-DE2x18DIM Huco 09 6985 Helvar EL2x18CHFC Tridonic PC2x18TCD – A111	10 - >100% 10 - >100% 10 - >100% 3 - >100%
1 x 26	GX24q-3	4-Wire 4-Wire 4-Wire Digital	Osram QT-D/E1x26DIM Huco 09 6976 Helvar EL1x26CHFC Tridonic PC26TCD –A111	10 - >100% 10 - >100% 10 - >100% 3 - >100%
2 x 26	GX24q-3	4-Wire 4-Wire 4-Wire Digital	Osram QT-DE2x26DIM Huco 09 6986 Helvar EL2x26CHFC Tridonic PC2x26TCD – A111	10 - >100% 10 - >100% 10 - >100% 3 - >100%
1 x 32	GX24q-3	4-Wire 4-Wire 4-Wire Digital	Osram QT-T/E1x32DIM Huco 09 6977 Helvar EL1x32CHFC Tridonic PC32TCT –A111	10 - >100% 10 - >100% 10 - >100% 3 - >100%
2 x 32	GX24q-3	4-Wire 4-Wire	Huco 90 6987 Helvar EL2x32CHFC	10 - >100% 10 - >100%
1 x 42	GX24q-4	4-Wire 4-Wire 4-Wire Digital	Osram QT-D/E1x42DIM Huco 09 6978 Helvar EL1x42CHFC Tridonic PC42TCT –A111	10 - >100% 10 - >100% 10 - >100% 3 - >100%
2 x 42	GX24q-4	4-Wire	Huco 09 6988	10 - >100%