



















Fluorescent Lamps

Cat	Designation ILCOS	ZVEI	Watts (W)	Nominal Dimensions (mm)	Cap	Colour Temp (K)	Colour Appearance	Colour Rendering Index/Group	Initial Lumens (lm)	Rated Life (50% Survivors)	Lumen Maintenance At Rated Life
 T5 High Efficiency (HE)											
T5	FDH	T16	14	L 550 x Dia 16	G5	4000	Cool white	85/1B	1200	16000 hr	95%
T5	FDH	T16	21	L 850 x Dia 16	G5	4000	Cool white	85/1B	1900	16000 hr	95%
T5	FDH	T16	28	L 1150 x Dia 16	G5	4000	Cool white	85/1B	2600	16000 hr	95%
T5	FDH	T16	35	L 1450 x Dia 16	G5	4000	Cool white	85/1B	3300	16000 hr	95%
 T5 High Output (HO)											
T5	FDH	T16	24	L 550 x Dia 16	G5	4000	Cool white	85/1B	1750	16000 hr	95%
T5	FDH	T16	39	L 850 x Dia 16	G5	4000	Cool white	85/1B	3100	16000 hr	95%
T5	FDH	T16	49	L 1450 x Dia 16	G5	4000	Cool white	85/1B	4300	16000 hr	95%
T5	FDH	T16	54	L 1150 x Dia 16	G5	4000	Cool white	85/1B	4450	16000 hr	95%
T5	FDH	T16	80	L 1450 x Dia 16	G5	4000	Cool white	85/1B	6150	16000 hr	95%
T5	FDH	T16	73	L 1450 X Dia 16	G5	4000	Cool white	85/1B	6550	21000 hr	95%
 T5 Circular											
T5	FCH	T16R	22	Dia 230	2GX13	4000	Cool white	85/1B	1800	16000 hr	95%
T5	FCH	T16R	40	Dia 300	2GX13	4000	Cool white	85/1B	3300	16000 hr	95%
T5	FCH	T16R	55	Dia 300	2GX13	4000	Cool white	85/1B	4400	16000 hr	95%
 T8 Triphosphor											
T8	FD	T26	18	L 600 x Dia 26	G13	4000	Cool white	85/1B	1350	14000 hr	95%
T8	FD	T26	36	L 1200 x Dia 26	G13	4000	Cool white	85/1B	3350	14000 hr	95%
T8	FD	T26	58	L 1500 x Dia 26	G13	4000	Cool white	85/1B	5200	14000 hr	95%
T8	FD	T26	70	L 1800 x Dia 26	G13	4000	Cool white	85/1B	6550	14000 hr	95%

Compact Fluorescent Lamps

Cat	Designation ILCOS	ZVEI	Watts (W)	Nominal Dimensions (mm)	Cap	Colour Temp (K)	Colour Appearance	Colour Rendering Index/Group	Initial Lumens (lm)	Rated Life (50% Survivors)	Lumen Maintenance At Rated Life
 COMPACT FLUORESCENT											
2D Type											
2D	FSS	TC-DD	16	140 x 140	GR10q-4	2700	Tungsten white	82/1B	1050	10000 hr	75%
2D	FSS	TC-DD	28	205 x 205	GR10q-4	3500	White	82/1B	2050	10000 hr	75%
2D	FSS	TC-DD	38	206 x 205	GR10q-4	3500	White	82/1B	2850	10000 hr	75%
2D	FSS	TC-DD	55	207 x 205	GR10q-4	3500	White	82/1B	3900	10000 hr	75%
 D Type											
TC-D	FSQ	TC-D	13	L 131 x W 27	G24d-1	4000	Cool white	85/1B	900	10000 hr	80%
TC-D	FSQ	TC-D	18	L 146 x W 27	G24d-2	4000	Cool white	85/1B	1200	10000 hr	80%
TC-D	FSQ	TC-D	26	L 165 x W 27	G24d-3	4000	Cool white	85/1B	1800	10000 hr	80%
 D/E Type											
TC-D	FSQ	TC-DEL	13	L 131 x W 27	G24q-1	4000	Cool white	85/1B	900	12000 hr	80%
TC-D	FSQ	TC-DEL	18	L 146 x W 27	G24q-2	4000	Cool white	85/1B	1200	12000 hr	80%
TC-D	FSQ	TC-DEL	26	L 165 x W 27	G24q-3	4000	Cool white	85/1B	1800	12000 hr	80%
 T/E Type											
TC-T	FSM	TC-TEL	32	L 142 x W 56	GX24q-3	4000	Cool white	85/1B	2200	12000 hr	80%
TC-T	FSM	TC-TEL	42	L 159 x W 56	GX24q-4	4000	Cool white	85/1B	3200	12000 hr	80%
 L Type											
TC-L	FSD	TC-L	18	L 217 x W 38	2G11	4000	Cool white	85/1B	1250	10000 hr	80%
TC-L	FSD	TC-L	24	L 317 x W 38	2G11	4000	Cool white	85/1B	1800	10000 hr	80%
TC-L	FSD	TC-L	36	L 411 x W 38	2G11	4000	Cool white	85/1B	2900	10000 hr	80%
TC-L	FSD	TC-L	40	L 533 x W 38	2G11	4000	Cool white	85/1B	3500	10000 hr	80%
TC-L	FSD	TC-L	55	L 533 x W 38	2G11	4000	Cool white	85/1B	4850	10000 hr	80%

Discharge Lamps

	Designation	Watts (W)	Nominal	Cap	Colour	Colour Rendering	Initial	Rated Life	Lumen Maintenance	Lumen Operating		
Cat	ILCOS	ZVEI	Dimensions (mm)	Temp (K)	Index/Group	Lumens (lm)	(50% Survivors)	At Rated Life	Position			
METAL HALIDE												
Elliptical coated												
	HQI-E	ME	HIE	250	Dia 90 x L 226	E40	3700	70/2A	20000	15000 hr	70%	Universal
	HQI-E	ME	HIE	250	Dia 90 x L 215	E40	3700	70/2A	22000	10000 hr	63%	Base Up ± 90°
	HQI-E	ME	HIE	400	Dia 120 x L 296	E40	3700	70/2A	40000	15000 hr	63%	Base Up ± 90°
	HQI-E	ME	HIE	400	Dia 120 x L 290	E40	3800	65/2B	43000	15000 hr	63%	Universal
Tubular clear												
	HQI-T	MT	HIT	250	Dia 46 x L 225	E40	4200	70/2A	23000	10000 hr	62%	Base Up ± 90°
	HQI-T	MT	HIT	400	Dia 46 x L 285	E40	4200	70/2A	40000	15000 hr	62%	Base Up ± 90°
Single ended												
	HQI-T	MT	HIT	70	Dia 25 x L 84	G12	4200	85/1B	5500	9000 hr	79%	Universal
	HQI-T	MT	HIT	150	Dia 25 x L 84	G12	4200	85/1B	12500	9000 hr	79%	Universal
Single ended ceramic												
	CDM-T	MT	HIT-CE	70	W 20 x L 100	G12	3000	83/1B	6300	9000 hr	65%	Universal
	CDM-T	MT	HIT-CE	150	W 20 x L 110	G12	3000	85/1B	13500	9000 hr	65%	Universal
Single ended ceramic capsule												
	CDM-TC	MT	HIT-TC-CE	35	W 14 x L 85	G8.5	3000	81/1B	3300	10000 hr	65%	Universal
	CDM-TC	MT	HIT-TC-CE	70	W 14 x L 85	G8.5	3000	83/1B	6400	10000 hr	65%	Universal
Tubular double ended												
	HQI-TS	MT	HIT-DE	70	Dia 20 x L 114	RX7s	4200	70/2A	5500	9000 hr	79%	Horizontal ± 45°
	HQI-TS	MT	HIT-DE	150	Dia 23 x L 132	RX7s-24	4200	70/2A	11250	9000 hr	79%	Horizontal ± 45°
Double ended ceramic												
	CDM-TD	MT	HIT-DE-CE	70	W 21 x L 118	RX7s	3000	80/1B	6300	9000 hr	65%	Horizontal ± 45°
	CDM-TD	MT	HIT-DE-CE	150	W 24 x L 135	RX7s-24	3000	85/1B	13500	9000 hr	65%	Horizontal ± 45°
HIGH PRESSURE SODIUM												
Elliptical coated												
	SON	SE	HSE	70	Dia 70 x L 156	E27	2000	23/4	6600	30000 hr	60%	Universal
	SON	SE	HSE	150	Dia 90 x L 226	E40	2000	23/4	16900	35000 hr	65%	Universal
	SON	SE	HSE	250	Dia 90 x L 226	E40	2000	23/4	31200	32000 hr	65%	Universal
	SON	SE	HSE	400	Dia 120 x L 290	E40	2000	23/4	48000	32000 hr	65%	Universal
Tubular clear												
	SON-T	ST	HST	70	Dia 38 x L 156	E27	2000	23/4	6600	28000 hr	65%	Universal
	SON-T	ST	HST	150	Dia 48 x L 211	E40	2000	23/4	17500	28000 hr	65%	Universal
	SON-T	ST	HST	250	Dia 48 x L 257	E40	2000	23/4	28500	28000 hr	65%	Universal
	SON-T	ST	HST	400	Dia 48 x L 285	E40	2000	23/4	48000	28000 hr	65%	Universal