



Lamp Data

	Independent Lamp Code	Osram Code	Lamp RATING	Lamp colour designation	Lamp Shape	Lamp Base	LIGHT OUTPUT (initial)	End of life; % OUTPUT	Rated average LIFE	Supply Voltage	POWER with ballast/transformer	Lamp starting current	Lamp running current	LINE STARTING CURRENT	LINE RUNNING CURRENT	PFC CAPACITOR [+/-10%, at 50Hz]	RE-STRIKE TIME (hot)	COLOUR TEMP. (correlated)	COLOUR RENDERING	
COMPACT FLUORESCENT	TC 7	DULUX S 7W	7W	21-840	Single	G 23	400 lm	85%	12 000 h	230V	11W	0.18A	0.18A	0.05A	0.05A	2µF	instant	4000K	Ra80	
	TC-E 7	DULUX S/E 7W	7W	21-840	Single	2 G 7	400 lm	85%	12 000 h	230V	11W	0.18A	0.18A	0.05A	0.05A	2µF	instant	4000K	Ra80	
	TC 9	DULUX S 9W	9W	21-840	Single	G 23	600 lm	85%	12 000 h	230V	13W	0.17A	0.17A	0.06A	0.06A	2µF	instant	4000K	Ra80	
	TC-E 9	DULUX S/E 9W	9W	21-840	Single	2 G 7	600 lm	85%	12 000 h	230V	12W	0.17A	0.17A	0.06A	0.06A	2µF	instant	4000K	Ra80	
	TC-D 10	DULUX D 10W	10W	21-840	Double	G 24 d-1	600 lm	85%	12 000 h	230V	15W	0.19A	0.19A	0.07A	0.07A	2µF	instant	4000K	Ra80	
	TC-DEL 10	DULUX D/E 10W	10W	21-840	Double	G 24 q-1	600 lm	85%	12 000 h	230V	12W	0.19A	0.19A	0.07A	0.07A	2µF	instant	4000K	Ra80	
	TC-D 13	DULUX D 13W	13W	21-840	Double	G 24 d-1	900 lm	85%	12 000 h	230V	17W	0.165A	0.165A	0.08A	0.08A	2µF	instant	4000K	Ra80	
	TC-DEL 13	DULUX D/E 13W	13W	21-840	Double	G 24 q-1	900 lm	85%	12 000 h	230V	14W	0.165A	0.165A	0.08A	0.08A	2µF	instant	4000K	Ra80	
	TC-D 18	DULUX D 18W	18W	21-840	Double	G 24 d-2	1200 lm	85%	12 000 h	230V	23W	0.22A	0.22A	0.11A	0.11A	2µF	instant	4000K	Ra80	
	TC-DEL 18	DULUX D/E 18W	18W	21-840	Double	G 24 q-2	1200 lm	85%	12 000 h	230V	20W	0.22A	0.22A	0.11A	0.11A	2µF	instant	4000K	Ra80	
	TC-T 18	DULUX T 18W	18W	21-840	Triple	GX 24 d-2	1200 lm	85%	12 000 h	230V	23W	0.225A	0.225A	0.11A	0.11A	2µF	instant	4000K	Ra80	
	TC-TE 18	DULUX T/E 18W	18W	21-840	Triple	GX 24 q-2	1200 lm	85%	12 000 h	230V	20W	0.22A	0.22A	0.11A	0.11A	2µF	instant	4000K	Ra80	
	TC-L 24	DULUX L 24W	24W	21-840	Single	2 G 11	1800 lm	85%	12 000 h	230V	30W	0.35A	0.35A	0.14A	0.14A	3µF	instant	4000K	Ra80	
	TC-F 24	DULUX F 24W	24W	21-840	Flat	2 G 10	1700 lm	85%	12 000 h	230V	29W	0.35A	0.35A	0.14A	0.14A	3µF	instant	4000K	Ra80	
	TC-D 26	DULUX D 26W	26W	21-840	Double	G 24 d-3	1800 lm	85%	12 000 h	230V	31W	0.33A	0.33A	0.15A	0.15A	3µF	instant	4000K	Ra80	
	TC-DEL 26	DULUX D/E 26W	26W	21-840	Double	G 24 q-3	1800 lm	85%	12 000 h	230V	28W	0.33A	0.33A	0.15A	0.15A	3µF	instant	4000K	Ra80	
	TC-T 26	DULUX T 26W	26W	21-840	Triple	GX 24 d-3	1800 lm	85%	12 000 h	230V	31W	0.33A	0.33A	0.15A	0.15A	3µF	instant	4000K	Ra80	
	TC-TE 26	DULUX T/E 26W	26W	21-840	Triple	GX 24 q-3	1800 lm	85%	12 000 h	230V	28W	0.33A	0.33A	0.15A	0.15A	3µF	instant	4000K	Ra80	
	TC-TE 32	DULUX T/E 32W	32W	21-840	Triple	GX 24 q-3	2400 lm	85%	12 000 h	230V	35W	0.43A	0.43A	0.20A	0.20A	3µF	instant	4000K	Ra80	
	TC-F 36	DULUX F 36W	36W	21-840	Flat	2 G 10	2800 lm	85%	12 000 h	230V	43W	0.44A	0.44A	0.22A	0.22A	4.5µF	instant	4000K	Ra80	
	TC-L 36	DULUX L 36W	36W	21-840	Single	2 G 11	2900 lm	85%	12 000 h	230V	43W	0.44A	0.44A	0.22A	0.22A	4.5µF	instant	4000K	Ra80	
	TC-TE 42	DULUX T/E 42W	42W	21-840	Triple	GX 24 q-4	3200 lm	85%	12 000 h	230V	46W	0.42A	0.42A	0.22A	0.22A	5.5µF	instant	4000K	Ra80	
	TC-L 55	DULUX L 55W	55W	21-840	Single	2 G 11	4800 lm	85%	12 000 h	230V	62W	0.56A	0.56A	0.29A	0.29A	5.5µF	instant	4000K	Ra80	
	LINEAR FLUORESCENT	T-26/18W	L 18W/20	18W	20	Linear	G13	1150 lm	70%	13 000 h	230V	30W	0.37A	0.37A	0.15A	0.15A	2.5µF	instant	4000K	Ra69
		T-26/36W	L 36W/20	36W	20	Linear	G13	2850 lm	70%	13 000 h	230V	46W	0.43A	0.43A	0.24A	0.24A	4.5µF	instant	4000K	Ra69
T-26/58W		L 58W/20	58W	20	Linear	G13	4600 lm	70%	13 000 h	230V	71W	0.67A	0.67A	0.36A	0.36A	7µF	instant	4000K	Ra69	
T-16/54W		FQ 54 W/840 HO	54W	840	Linear	G5	4450 lm	92%	20 000 h	230V	61W	0.455A	0.445A	0.28A	0.28A	-	instant	4000K	Ra89	
T-16/80W		FQ 80 W/840 HO	80W	840	Linear	G5	6150 lm	92%	20 000 h	230V	85W	0.530A	0.530A	0.37A	0.37A	-	instant	4000K	Ra89	
HALOGEN	QR-CBC 51	44860 SP	20W		Dichroic	GU 5.3	320 lm	100%	2 000 h	230V	23W	-	-	-	-	-	instant	3100K	Ra99	
	QR-CBC 51	44865 SP	35W		Dichroic	GU 5.3	640 lm	100%	2 000 h	230V	38W	-	-	-	-	-	instant	3100K	Ra99	
	QR-CBC 51	44870 SP	50W		Dichroic	GU 5.3	990 lm	100%	2 000 h	230V	53W	-	-	-	-	-	instant	3100K	Ra99	
	QT12	64440S	50W		Capsule	GY 6.35	930 lm	100%	2 000 h	230V	53W	-	-	-	-	-	instant	3100K	Ra99	
	QT12	64458S	90W		Capsule	GY 6.35	1800 lm	100%	2 000 h	230V	105W	-	-	-	-	-	instant	3100K	Ra99	
	QT31	64474	75W		Tubular	E 27	1100 lm	100%	1 500 h	230V	-	-	-	0.33A	0.33A	-	instant	3100K	Ra99	
	QT31	64476	100W		Tubular	E 27	1500 lm	100%	2 000 h	230V	-	-	-	0.43A	0.43A	-	instant	3100K	Ra99	
	QR111	41832SP	35W		Par	G 53	9 000 cd	100%	2 000 h	230V	38W	-	-	-	-	-	instant	3100K	Ra99	
	QR111	41835SP	50W		Par	G 53	20 000 cd	100%	2 000 h	230V	53W	-	-	-	-	-	instant	3100K	Ra99	
	QR111	41840SP	75W		Par	G 53	30 000 cd	100%	2 000 h	230V	79 W	-	-	-	-	-	instant	3100K	Ra99	
	QR111	41850SP	100W		Par	G 53	48 000 cd	100%	2 000 h	230V	-	-	-	-	-	-	instant	3100K	Ra99	
	QT-DE 12	64688	60W		Linear	R 7s	840 lm	100%	2 000 h	230V	-	-	-	0.26A	0.26A	-	instant	2950K	Ra99	
	QT-DE 12	64690	100W		Linear	R 7s	1650 lm	100%	2 000 h	230V	-	-	-	0.43A	0.43A	-	instant	2950K	Ra99	
	QT-DE 12	64695	150W		Linear	R 7s	2600 lm	100%	2 000 h	230V	-	-	-	0.65A	0.65A	-	instant	2950K	Ra99	
	QT-DE 12	64698	200W		Linear	R 7s	3200 lm	100%	2 000 h	230V	-	-	-	0.87A	0.87A	-	instant	2950K	Ra99	



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MERCURY VAPOUR	HME 50	HQL 50	50W	21	Elliptical	E27	1800 lm	75%	16 000 h	230V	61W	0.82A	0.62A	0.40A	0.32A	7µF	4 min	4200K	Ra40
	HME 80	HQL 80	80W	21	Elliptical	E27	3800 lm	75%	16 000 h	230V	92W	1.40A	0.83A	0.90A	0.46A	8µF	4 min	4100K	Ra40
	HME 125	HQL 125	125W	21	Elliptical	E27	6300 lm	75%	16 000 h	230V	140W	1.95A	1.15A	1.35A	0.70A	10µF	4 min	4000K	Ra40
	HME 250	HQL 250	250W	21	Elliptical	E40	13 000 lm	75%	16 000 h	230V	278W	3.7A	2.15A	2.60A	1.35A	18µF	7 min	3900K	Ra40
	HME 400	HQL 400	400W	21	Elliptical	E40	22 000 lm	75%	16 000 h	230V	425W	5.7A	3.25A	4.00A	2.10A	25µF	7 min	3800K	Ra40
HIGH PRESSURE SODIUM	HSE-I 50	NAV- E 50/E	50W/I		Elliptical	E27	3 500 lm	80%	20 000 h	230V	60W	0.95A	0.78A	0.44A	0.32A	10µF	7 min	2000K	Ra20
	HSE-I 70	NAV- E 70/E	70W/I		Elliptical	E27	5 600 lm	80%	20 000 h	230V	85W	1.35A	1.0A	0.72A	0.45A	12µF	7 min	2000K	Ra20
	HST 70	NAV-T 70 SUPER 4Y	70W		Tubular	E27	6500 lm	89%	20 000 h	230V	85W	1.35A	1.0A	0.72A	0.45A	12µF	1 min	2000K	Ra20
	HSE 100	NAV-E 100 SUPER 4Y	100W		Elliptical	E40	9 500 lm	89%	24 000 h	230V	115W	1.5A	1.2A	0.72A	0.58A	12µF	1 min	2000K	Ra20
	HST 100	NAV-T 100 SUPER 4Y	100W		Tubular	E40	10 000 lm	89%	24 000 h	230V	115W	1.5A	1.2A	0.72A	0.58A	12µF	1 min	2000K	Ra20
	HSE 150	NAV- E 150	150W		Elliptical	E40	14 000 lm	89%	24 000 h	230V	179W	2.6A	1.8A	1.30A	0.88A	20µF	1 min	2000K	Ra20
	HST 150	NAV-T 150	150W		Tubular	E40	14 500 lm	89%	24 000 h	230V	179W	2.6A	1.8A	1.30A	0.88A	20µF	1 min	2000K	Ra20
	HST 150	NAV-T 150 SUPER 4Y	150W		Tubular	E40	17 200 lm	89%	24 000 h	230V	179W	2.6A	1.8A	1.30A	0.88A	20µF	1 min	2000K	Ra20
	HSE 250	NAV- E 250	250W		Elliptical	E40	25 000 lm	89%	24 000 h	230V	278W	4.0A	3.1A	2.10A	1.42A	32µF	1 min	2000K	Ra20
	HST 250	NAV-T 250	250W		Tubular	E40	27 000 lm	89%	24 000 h	230V	278W	4.0A	3.1A	2.10A	1.42A	32µF	1 min	2000K	Ra20
	HST 250	NAV-T 250 SUPER 4Y	250W		Tubular	E40	33 000 lm	89%	24 000 h	230V	278W	4.0A	3.1A	2.10A	1.42A	32µF	1 min	2000K	Ra20
	HSE 400	NAV- E 400	400W		Elliptical	E40	47 000 lm	89%	24 000 h	230V	432W	6.4A	4.5A	3.80A	2.20A	45µF	1 min	2000K	Ra20
	HST 400	NAV-T 400	400W		Tubular	E40	48 000 lm	89%	24 000 h	230V	432W	6.4A	4.5A	3.80A	2.20A	45µF	1 min	2000K	Ra20
	HST 400	NAV-T 400 SUPER 4Y	400W		Tubular	E40	55 000 lm	89%	24 000 h	230V	432W	6.4A	4.5A	3.80A	2.20A	45µF	1 min	2000K	Ra20
	HST 600	NAV-T 600 SUPER 4Y	600W		Tubular	E40	90 000 lm	89%	24 000 h	230V	630W	6.6A	5.5A	4.52A	2.92A	60µF	1 min	2000K	Ra20
	HSE 1000	NAV- E 1000	1000W		Elliptical	E40	128 000 lm	80%	20 000 h	230V	1075W	13.6A	10.4A	8.80A	5.50A	100µF	3 min	2000K	Ra20
	HST 1000	NAV-T 1000	1000W		Tubular	E40	130 000 lm	80%	20 000 h	230V	1075W	13.6A	10.4A	8.80A	5.50A	100µF	3 min	2000K	Ra20
	METAL HALIDE	HIT-T 35	HCI-T 35/WDL	35W	/WDL	Plug-in	G12	3300 lm	50%	12 000 h	230V	45W	0.72A	0.53A	0.32A	0.22A	6µF	7 min	3000K
HIT-T 70		HQI-T 70/NDL	70W	/NDL	Plug-in	G12	5500 lm	50%	12 000 h	230V	85W	1.35A	1.0A	0.72A	0.50A	12µF	7 min	4200K	Ra80
HIT-DE 70		HQI-TS 70/NDL UVS	70W	/NDL	Linear	RX7s	5500 lm	65%	12 000 h	230V	85W	1.35A	1.0A	0.72A	0.50A	12µF	7 min	4000K	Ra80
HIT-DE 150		HQI-TS 150/NDL UVS	150W	/NDL	Linear	RX7s-24	12000 lm	65%	12 000 h	230V	160W	2.40A	1.9A	0.86A	0.80A	20µF	7 min	4200K	Ra80
HIT-DE 70		HCI-TS 70/WDL	70W	/WDL	Linear	RX7s	6500 lm	65%	12 000 h	230V	85W	1.35A	1.0A	0.72A	0.50A	12µF	7 min	3000K	Ra80
HIT-DE 150		HCI-TS 150/WDL	150W	/WDL	Linear	RX7s-24	14500 lm	65%	12 000 h	230V	160W	2.40A	1.9A	0.86A	0.80A	20µF	7 min	3000K	Ra80
HIE 70		HQI-E-70/WDL CLEAR	70W	/WDL	Elliptical	E27	5500 lm	70%	12 000 h	230V	85W	1.35A	1.0A	0.72A	0.50A	12µF	7 min	3200K	Ra80
HIE 100		HQI-E-100/WDL CLEAR	100W	/WDL	Elliptical	E27	8500 lm	70%	12 000 h	230V	115W	1.5A	1.1A	0.80A	0.55A	16µF	7 min	3000K	Ra80
HIE 150		HQI-E-150/NDL CLEAR	150W	/NDL	Elliptical	E27	12500 lm	70%	12 000 h	230V	160W	2.40A	1.9A	0.86A	0.80A	20µF	7 min	3000K	Ra80
HIE 70		HQI-E-70/WDL COATED	70W	/WDL	Elliptical	E27	4900 lm	70%	12 000 h	230V	85W	1.35A	1.0A	0.72A	0.50A	12µF	7 min	3100K	Ra80
HIE 100		HQI-E-100/WDL COATED	100W	/WDL	Elliptical	E27	8000 lm	70%	12 000 h	230V	115W	1.5A	1.1A	0.80A	0.55A	16µF	7 min	2900K	Ra80
HIE 150		HQI-E-150/NDL COATED	150W	/WDL	Elliptical	E27	11600 lm	70%	12 000 h	230V	160W	2.40A	1.9A	0.86A	0.80A	20µF	7 min	2900K	Ra80
HIT 250		HQI-T 250/D	250W	/D"	Tubular	E40	20 000 lm	69%	15 500 h	230V	278W	4.2A	3.0A	3.00A	1.50A	30µF	10 min	5300K	Ra90
HIE 250		HQI-E 250/D	250W	/D"	Elliptical	E40	19 000 lm	69%	15 500 h	230V	278W	4.2A	3.0A	3.00A	1.50A	30µF	10 min	5200K	Ra90
HIT 400		HQI-BT 400/D	400W	/D"	Tubular	E40	32 000 lm	69%	15 500 h	230V	432W	5.8A	4.0A	3.80A	2.40A	45µF	10 min	5000K	Ra90
HIE 400		HQI-E 400/D	400W	/D"	Elliptical	E40	32 000 lm	69%	15 500 h	230V	432W	5.8A	4.0A	3.80A	2.40A	45µF	10 min	5000K	Ra90
HIT 1000		HQI-T 1000/D	1000W	/D	Tubular	E40	80 000 lm	69%	9 000 h	230V	1065W	14.5A	9.5A	9.60A	6.00A	85µF	20 min	6000K	Ra93
HIT 2000		HQI-T 2000/D/I	2000W	/D /I	Tubular	E40	180 000 lm	69%	9 000 h	400V	2080W	15.8A	10.3A	8.00A	5.5A	60µF	20 min	6000K	Ra93
HIT 2000		HQI-T 2000/N	2000W	/N	Tubular	E40	200 000 lm	69%	9 000 h	400V	2080W	13.5A	8.8A	8.00A	5.5A	60µF	20 min	4500K	Ra60
HIT 2000		HQI-T 2000/N	2000W	/N	Tubular	E40	205 000 lm	69%	9 000 h	400V	2080W	13.5A	8.8A	8.00A	5.5A	60µF	20 min	4000 K	Ra65
HIT 2000	HQI-TS 2000/D/S	1950W	/D /S	Linear	Cable	200 000 lm	75%	4 000 h	400V	2030W	15.8A	11.3A	8.00A	5.5A	60µF	20 min	5800K	Ra93	

/D" using HPS ballasts

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NOTES:

1) This lamp chart is only a guide.

2) Please refer to lamp manufacturers' and ballast manufacturers' catalogues for complete and correct details.

3) Users must please note that by legislation in RSA, the nominal supply voltage is 230V ± 10%. Research has proven that the maximum voltage can quite easily reach 250V for a sustained period. Using standard 230V ballasts, this degree of overvoltage will quickly result in premature failure of both lamps and ballasts.