

# LAMPS & TRANSFORMERS

## TRI-PHOSPHOR FLUORESCENT LAMPS

	DESCRIPTION	CAT. No.	MANUFACTURER	INITIAL LUMENS	CCT(K)	CRI (Ra)	lm/W	BURNING POSITION	LUMINAIRE TYPE	BASE
T8 RANGE	18W T8 830	<b>LMP 8257</b>	ANY	1350	3000	>80	75.0	Universal	Open	Bi-pin
	18W T8 835	<b>LMP 9523</b>	ANY	1350	3500	>80	75.0	Universal	Open	Bi-pin
	18W T8 840	<b>LMP 9182</b>	ANY	1350	4000	>80	75.0	Universal	Open	Bi-pin
	18W T8 865	<b>LMP 10464</b>	ANY	1300	6500	>80	72.2	Universal	Open	Bi-pin
	18W T8 950	<b>LMP 10097</b>	ANY	1150	5300	>90	63.9	Universal	Open	Bi-pin
	18W T8 965	<b>LMP 10509</b>	ANY	1150	6500	>90	63.9	Universal	Open	Bi-pin
	18W T8 830 XTREME	<b>LMP 12554</b>	PHILIPS	1350	3000	>80	75.0	Universal	Open	Bi-pin
	18W T8 840 XTREME	<b>LMP 12555</b>	PHILIPS	1350	4000	>80	75.0	Universal	Open	Bi-pin
	36W T8 830	<b>LMP 8928</b>	ANY	3350	3000	>80	93.1	Universal	Open	Bi-pin
	36W T8 835	<b>LMP 8359</b>	ANY	3350	3500	>80	93.1	Universal	Open	Bi-pin
	36W T8 840	<b>LMP 8954</b>	ANY	3350	4000	>80	93.1	Universal	Open	Bi-pin
	36W T8 865	<b>LMP 11089</b>	ANY	3250	6500	>80	90.3	Universal	Open	Bi-pin
	36W T8 950	<b>LMP 10098</b>	ANY	2800	5300	>90	77.8	Universal	Open	Bi-pin
	36W T8 830 XTREME	<b>LMP 12556</b>	PHILIPS	3250	3000	>80	90.3	Universal	Open	Bi-pin
36W T8 840 XTREME	<b>LMP 12557</b>	PHILIPS	3250	4000	>80	90.3	Universal	Open	Bi-pin	
58W T8 830	<b>LMP 8862</b>	ANY	5200	3000	>80	89.7	Universal	Open	Bi-pin	
58W T8 835	<b>LMP 9277</b>	ANY	5200	3500	>80	89.7	Universal	Open	Bi-pin	
58W T8 840	<b>LMP 8955</b>	ANY	5200	4000	>80	89.7	Universal	Open	Bi-pin	
58W T8 865	<b>LMP 11090</b>	ANY	5000	6500	>80	86.2	Universal	Open	Bi-pin	
58W T8 950	<b>LMP 9909</b>	ANY	4550	5000	>90	78.4	Universal	Open	Bi-pin	
58W T8 830 XTREME	<b>LMP 12558</b>	PHILIPS	5150	3000	>80	88.8	Universal	Open	Bi-pin	
58W T8 840 XTREME	<b>LMP 12559</b>	PHILIPS	5150	4000	>80	88.8	Universal	Open	Bi-pin	
70W T8 830	<b>LMP 10465</b>	ANY	6300	2950	>80	90.0	Universal	Open	Bi-pin	
70W T8 835	<b>LMP 8989</b>	ANY	6300	3400	>80	90.0	Universal	Open	Bi-pin	
70W T8 840	<b>LMP 10466</b>	ANY	6300	4000	>80	90.0	Universal	Open	Bi-pin	
T5 RANGE	8W T5 835	<b>LMP 6518</b>	ANY	470	3500	>80	58.8	Universal	Open	Bi-pin
	8W T5 840	<b>LMP 11837</b>	ANY	410	4000	>80	51.3	Universal	Open	Bi-pin
	13W T5 ECO 830	<b>LMP 15012</b>	PHILIPS	1150	3000	>80	88.5	Universal	Open	Bi-pin
	13W T5 ECO 835	<b>LMP 15006</b>	PHILIPS	1150	3500	>80	88.5	Universal	Open	Bi-pin
	13W T5 ECO 840	<b>LMP 14521</b>	PHILIPS	1150	4000	>80	88.5	Universal	Open	Bi-pin
	13W T5 ECO 865	<b>LMP 14639</b>	PHILIPS	1050	6500	>80	80.8	Universal	Open	Bi-pin
	20W T5 ECO 830	<b>LMP 15013</b>	PHILIPS	1650	3000	>80	82.5	Universal	Open	Bi-pin
	20W T5 ECO 835	<b>LMP 14479</b>	PHILIPS	1650	3500	>80	82.5	Universal	Open	Bi-pin
	20W T5 ECO 840	<b>LMP 14491</b>	PHILIPS	1650	4000	>80	82.5	Universal	Open	Bi-pin
	20W T5 ECO 865	<b>LMP 14640</b>	PHILIPS	1600	6500	>80	80.0	Universal	Open	Bi-pin
	25W T5 ECO 830	<b>LMP 15014</b>	PHILIPS	2450	3000	>80	98.0	Universal	Open	Bi-pin
	25W T5 ECO 835	<b>LMP 15007</b>	PHILIPS	2450	3500	>80	98.0	Universal	Open	Bi-pin
	25W T5 ECO 840	<b>LMP 14522</b>	PHILIPS	2450	4000	>80	98.0	Universal	Open	Bi-pin
	25W T5 ECO 865	<b>LMP 15001</b>	PHILIPS	2250	6500	>80	90.0	Universal	Open	Bi-pin
	32W T5 ECO 830	<b>LMP 15015</b>	PHILIPS	3100	3000	>80	96.9	Universal	Open	Bi-pin
	32W T5 ECO 835	<b>LMP 15008</b>	PHILIPS	3100	3500	>80	96.9	Universal	Open	Bi-pin
	32W T5 ECO 840	<b>LMP 14523</b>	PHILIPS	3100	4000	>80	96.9	Universal	Open	Bi-pin
	32W T5 ECO 865	<b>LMP 15002</b>	PHILIPS	2850	6500	>80	89.1	Universal	Open	Bi-pin
	45W T5 ECO 830	<b>LMP 15016</b>	PHILIPS	4100	3000	>80	91.1	Universal	Open	Bi-pin
	45W T5 ECO 835	<b>LMP 15009</b>	PHILIPS	4100	3500	>80	91.1	Universal	Open	Bi-pin
	45W T5 ECO 840	<b>LMP 14524</b>	PHILIPS	4100	4000	>80	91.1	Universal	Open	Bi-pin
	45W T5 ECO 865	<b>LMP 15003</b>	PHILIPS	3900	6500	>80	86.7	Universal	Open	Bi-pin
	50W T5 ECO 830	<b>LMP 15017</b>	PHILIPS	4400	3000	>80	88.0	Universal	Open	Bi-pin
	50W T5 ECO 835	<b>LMP 15010</b>	PHILIPS	4400	3500	>80	88.0	Universal	Open	Bi-pin
	50W T5 ECO 840	<b>LMP 14525</b>	PHILIPS	4400	4000	>80	88.0	Universal	Open	Bi-pin
	50W T5 ECO 865	<b>LMP 15004</b>	PHILIPS	4150	6500	>80	83.0	Universal	Open	Bi-pin
	73W T5 ECO 830	<b>LMP 15018</b>	PHILIPS	6550	3000	>80	89.7	Universal	Open	Bi-pin
	73W T5 ECO 835	<b>LMP 15011</b>	PHILIPS	6550	3500	>80	89.7	Universal	Open	Bi-pin
73W T5 ECO 840	<b>LMP 14526</b>	PHILIPS	6550	4000	>80	89.7	Universal	Open	Bi-pin	

# LAMPS & TRANSFORMERS

	DESCRIPTION	CAT. No.	MANUFACTURER	INITIAL LUMENS	CCT(K)	CRI (Ra)	lm/W	BURNING POSITION	LUMINAIRE TYPE	BASE
TL5 RANGE	14W T5 830	<b>LMP 10130</b>	ANY	1200	3000	>80	85.7	Universal	Open	Bi-pin
	14W T5 835	<b>LMP 10139</b>	ANY	1200	3500	>80	85.7	Universal	Open	Bi-pin
	14W T5 840	<b>LMP 10131</b>	ANY	1200	4000	>80	85.7	Universal	Open	Bi-pin
	14W T5 865	<b>LMP 10462</b>	ANY	1100	6500	>80	78.6	Universal	Open	Bi-pin
	28W T5 830	<b>LMP 10173</b>	ANY	2600	3000	>80	92.9	Universal	Open	Bi-pin
	28W T5 835	<b>LMP 10678</b>	ANY	2600	3500	>80	92.9	Universal	Open	Bi-pin
	28W T5 840	<b>LMP 10679</b>	ANY	2600	4000	>80	92.9	Universal	Open	Bi-pin
	28W T5 865	<b>LMP 10463</b>	ANY	2400	6500	>80	85.7	Universal	Open	Bi-pin
	35W T5 830	<b>LMP 10680</b>	ANY	3300	3000	>80	94.3	Universal	Open	Bi-pin
	35W T5 835	<b>LMP 10351</b>	ANY	3300	3500	>80	94.3	Universal	Open	Bi-pin
	35W T5 840	<b>LMP 10352</b>	ANY	3300	4000	>80	94.3	Universal	Open	Bi-pin
	35W T5 865	<b>LMP 12614</b>	ANY	3100	6500	>80	88.6	Universal	Open	Bi-pin
	24W T5 830	<b>LMP 11092</b>	ANY	1750	3000	>80	72.9	Universal	Open	Bi-pin
	24W T5 835	<b>LMP 11478</b>	ANY	1750	3500	>80	72.9	Universal	Open	Bi-pin
	24W T5 840	<b>LMP 10354</b>	ANY	1750	4000	>80	72.9	Universal	Open	Bi-pin
	24W T5 865	<b>LMP 11479</b>	ANY	1650	6500	>80	68.8	Universal	Open	Bi-pin
	24W T5 940	<b>LMP 12269</b>	ANY	1400	4000	>90	58.3	Universal	Open	Bi-pin
	24W T5 965	<b>LMP 12270</b>	ANY	1400	6500	>90	58.3	Universal	Open	Bi-pin
	49W T5 830	<b>LMP 10781</b>	ANY	4300	3000	>80	87.8	Universal	Open	Bi-pin
	49W T5 835	<b>LMP 11482</b>	ANY	4300	3500	>80	87.8	Universal	Open	Bi-pin
	49W T5 840	<b>LMP 10782</b>	ANY	4300	4000	>80	87.8	Universal	Open	Bi-pin
	49W T5 865	<b>LMP 11483</b>	ANY	4100	6500	>80	83.7	Universal	Open	Bi-pin
	49W T5 940	<b>LMP 12273</b>	ANY	3700	4000	>90	75.5	Universal	Open	Bi-pin
	49W T5 965	<b>LMP 12274</b>	ANY	3700	6500	>90	75.5	Universal	Open	Bi-pin
	49W T5 840 XTRA	<b>LMP 13647</b>	PHILIPS	4300	4000	>80	87.8	Universal	Open	Bi-pin
	54W T5 830	<b>LMP 10362</b>	ANY	4450	3000	>80	82.4	Universal	Open	Bi-pin
	54W T5 835	<b>LMP 11480</b>	ANY	4450	3500	>80	82.4	Universal	Open	Bi-pin
	54W T5 840	<b>LMP 10086</b>	ANY	4450	4000	>80	82.4	Universal	Open	Bi-pin
	54W T5 865	<b>LMP 11481</b>	ANY	4250	6500	>80	78.7	Universal	Open	Bi-pin
	54W T5 940	<b>LMP 12271</b>	ANY	3800	4000	>90	70.4	Universal	Open	Bi-pin
	54W T5 965	<b>LMP 12272</b>	ANY	3800	6500	>90	70.4	Universal	Open	Bi-pin
	54W T5 840 XTRA	<b>LMP 13645</b>	PHILIPS	4450	4000	>80	82.4	Universal	Open	Bi-pin
	80W T5 830	<b>LMP 10898</b>	ANY	6450	3000	>80	80.6	Universal	Open	Bi-pin
	80W T5 840	<b>LMP 10899</b>	ANY	6450	4000	>80	80.6	Universal	Open	Bi-pin
	80W T5 865	<b>LMP 11485</b>	ANY	5950	6500	>80	74.4	Universal	Open	Bi-pin
	80W T5 840 XTRA	<b>LMP 13646</b>	PHILIPS	6150	4000	>80	76.9	Universal	Open	Bi-pin

# LAMPS & TRANSFORMERS

## COMPACT FLUORESCENT LAMPS

DESCRIPTION	CAT. No.	MANUFACTURER	INITIAL LUMENS	CCT(K)	CRI (Ra)	lm/W	BURNING POSITION	LUMINAIRE TYPE	BASE
10W 2D 4pin 835	<b>LMP 11211</b>	GE	650	3500	>80	65.0	Universal	Open	4-pin
16W 2D 4pin 835	<b>LMP 7333</b>	GE	1100	3500	>80	68.8	Universal	Open	4-pin
21W 2D 4pin 835	<b>LMP 7950</b>	GE	1375	3500	>80	65.5	Universal	Open	4-pin
28W 2D 4pin 835	<b>LMP 7238</b>	GE	2250	3500	>80	80.4	Universal	Open	4-pin
28W 2D 4pin 840	<b>LMP 10741</b>	GE	2250	4000	>80	80.4	Universal	Open	4-pin
38W 2D 4pin 835	<b>LMP 7637</b>	GE	3000	3500	>80	78.9	Universal	Open	4-pin
38W 2D 4pin 840	<b>LMP 13368</b>	PHILIPS	2800	4000	>80	73.7	Universal	Open	4-pin
55W 2D 4pin 835	<b>LMP 11098</b>	GE	3200	3500	>80	58.2	Universal	Open	4-pin
13W TC-D 4pin 840	<b>LMP 10738</b>	PHILIPS	900	4000	>80	69.2	Universal	Open	4-pin
18W TC-D 4pin 840	<b>LMP 8919</b>	PHILIPS	1200	4000	>80	66.7	Universal	Open	4-pin
26W TC-D 4pin 840	<b>LMP 10511</b>	PHILIPS	1800	4000	>80	69.2	Universal	Open	4-pin
13W TC-T 4pin 840 NON AM	<b>LMP 12211</b>	PHILIPS	900	4000	>80	69.2	Universal	Open	4-pin
18W TC-T 4pin 840 NON AM	<b>LMP 12212</b>	PHILIPS	1200	4000	>80	66.7	Universal	Open	4-pin
26W TC-T 4pin 830	<b>LMP 11554</b>	GE	1800	3000	>80	69.2	Universal	Open	4-pin
26W TC-T 4pin 840	<b>LMP 11052</b>	GE	1800	4000	>80	69.2	Universal	Open	4-pin
26W TC-T 4pin 840 NON AM	<b>LMP 12455</b>	PHILIPS	1800	4000	>80	69.2	Universal	Open	4-pin
32W TC-T 4pin 830	<b>LMP 11556</b>	GE	2400	3000	>80	75.0	Universal	Open	4-pin
32W TC-T 4pin 835	<b>LMP 11557</b>	GE	2400	3500	>80	75.0	Universal	Open	4-pin
32W TC-T 4pin 840	<b>LMP 10570</b>	GE	2400	4000	>80	75.0	Universal	Open	4-pin
32W TC-T 4pin 840 NON AM	<b>LMP 12499</b>	OSRAM	2400	4000	>80	75.0	Universal	Open	4-pin
42W TC-T 4pin 830	<b>LMP 11558</b>	GE	3200	3000	>80	76.2	Universal	Open	4-pin
42W TC-T 4pin 835	<b>LMP 11559</b>	GE	3200	3500	>80	76.2	Universal	Open	4-pin
42W TC-T 4pin 840	<b>LMP 9967</b>	GE	3200	4000	>80	76.2	Universal	Open	4-pin
42W TC-T 4pin 840 NON AM	<b>LMP 12500</b>	OSRAM	3200	4000	>80	76.2	Universal	Open	4-pin
57W TC-T 4pin 830	<b>LMP 11967</b>	PHILIPS	4300	3000	>80	75.4	Universal	Open	4-pin
57W TC-T 4pin 840	<b>LMP 11968</b>	PHILIPS	4300	4000	>80	75.4	Universal	Open	4-pin
5W TC-S 4pin 827	<b>LMP 11814</b>	GE	265	2700	>80	53.0	Universal	Open	4-pin
10W PL-C 840	<b>LMP 11053</b>	PHILIPS	600	4000	>80	60.0	Universal	Open	4-pin
11W TC-S 4pin 840	<b>LMP 9995</b>	OSRAM	970	4000	>80	88.2	Universal	Open	4-pin
18W TC-L 835	<b>LMP 7539</b>	PHILIPS	1200	3500	>80	66.7	Universal	Open	4-pin
18W TC-L 840	<b>LMP 9702</b>	SYLVANIA	1200	4000	>80	66.7	Universal	Open	4-pin
24W TC-L 835	<b>LMP 6950</b>	PHILIPS	1800	3500	>80	75.0	Universal	Open	4-pin
34W TC-L 830	<b>LMP 9752</b>	GE	2800	3000	>80	82.4	Universal	Open	4-pin
34W TC-L 840	<b>LMP 9754</b>	GE	2800	4000	>80	82.4	Universal	Open	4-pin
36W TC-L 830	<b>LMP 9755</b>	PHILIPS	2900	3000	>80	80.6	Universal	Open	4-pin
36W TC-L 840	<b>LMP 9193</b>	PHILIPS	2900	4000	>80	80.6	Universal	Open	4-pin
36W TC-L 860	<b>LMP 10460</b>	SYLVANIA	2900	6000	>80	80.6	Universal	Open	4-pin
40W TC-L 830	<b>LMP 9756</b>	PHILIPS	3500	3000	>80	87.5	Universal	Open	4-pin
40W TC-L 835	<b>LMP 9757</b>	PHILIPS	3500	3500	>80	87.5	Universal	Open	4-pin
40W TC-L 840	<b>LMP 11819</b>	PHILIPS	3500	4000	>80	87.5	Universal	Open	4-pin
40W TC-L 860	<b>LMP 11815</b>	OSRAM	3325	6000	>80	83.1	Universal	Open	4-pin
55W TC-L 830	<b>LMP 9759</b>	PHILIPS	4800	3000	>80	87.3	Universal	Open	4-pin
55W TC-L 840	<b>LMP 9191</b>	PHILIPS	4800	4000	>80	87.3	Universal	Open	4-pin
55W TC-L 865	<b>LMP 10461</b>	PHILIPS	4550	6500	>80	82.7	Universal	Open	4-pin
55W TC-L 950	<b>LMP 11469</b>	PHILIPS	3800	5300	>90	69.1	Universal	Open	4-pin
80W TC-L 835	<b>LMP 13601</b>	PHILIPS	6000	3500	>80	75.0	Universal	Open	4-pin
80W TC-L 830	<b>LMP 12347</b>	PHILIPS	6000	3000	>80	75.0	Universal	Open	4-pin
80W TC-L 840	<b>LMP 12348</b>	PHILIPS	6000	4000	>80	75.0	Universal	Open	4-pin
36W TC-F 840	<b>LMP 11902</b>	OSRAM	2810	4000	>80	78.1	Universal	Open	4-pin

# LAMPS & TRANSFORMERS

## HIGH PRESSURE SODIUM LAMPS

DESCRIPTION	CAT. No.	MANUFACTURER	INITIAL LUMENS	CCT(K)	CRI (Ra)	lm/W	BURNING POSITION	LUMINAIRE TYPE	BASE
50W SON-E	<b>LMP 6592</b>	PHILIPS	3500	2000	25	70.0	Universal	Open	E27
70W SON-E	<b>LMP 6060</b>	PHILIPS	5600	2000	25	80.0	Universal	Open	E27
70W SON-E Twin Arc	<b>LMP 10801</b>	SYLVANIA	6000	2050	25	85.7	Universal	Open	E27
250W SON-E Twin Arc	<b>LMP 9881</b>	SYLVANIA	31500	2050	25	126.0	Universal	Open	E40
400W SON-E Twin Arc	<b>LMP 9882</b>	SYLVANIA	52500	2050	25	131.3	Universal	Open	E40
150W SON-E Plus	<b>LMP 7204</b>	PHILIPS	17000	1950	25	11.3	Universal	Open	E40
250W SON-E Plus	<b>LMP 7205</b>	PHILIPS	31100	2000	25	124.4	Universal	Open	E40
400W SON-E Plus	<b>LMP 7206</b>	PHILIPS	55500	2000	25	138.8	Universal	Open	E40
150W SON-E Comfort	<b>LMP 6380</b>	PHILIPS	12500	2150	65	83.3	Universal	Open	E40
250W SON-E Comfort	<b>LMP 6381</b>	PHILIPS	22000	2150	65	88.0	Universal	Open	E40
400W SON-E Comfort	<b>LMP 6566</b>	PHILIPS	37000	2150	65	92.5	Universal	Open	E40
250W SON-T Twin Arc	<b>LMP 9789</b>	SYLVANIA	32000	2050	25	128.0	Universal	Open	E40
50W SON-T Plus	<b>LMP 10028</b>	PHILIPS	4400	2000	25	88.0	Universal	Open	E27
70W SON-T Plus	<b>LMP 6233</b>	PHILIPS	6600	2000	25	94.3	Universal	Open	E27
100W SON-T Plus	<b>LMP 9748</b>	OSRAM	10700	2000	25	107.0	Universal	Open	E40
150W SON-T Plus	<b>LMP 7207</b>	PHILIPS	17500	1950	25	116.7	Universal	Open	E40
250W SON-T Plus	<b>LMP 7208</b>	PHILIPS	33200	2000	25	132.8	Universal	Open	E40
400W SON-T Plus	<b>LMP 7209</b>	PHILIPS	56500	1950	25	141.3	Universal	Open	E40
150W SON-T Comfort	<b>LMP 6773</b>	PHILIPS	13000	2150	65	86.7	Universal	Open	E40
250W SON-T Comfort	<b>LMP 6775</b>	PHILIPS	23000	2150	65	92.0	Universal	Open	E40
400W SON-T Comfort	<b>LMP 6767</b>	PHILIPS	38000	2150	65	95.0	Universal	Open	E40
400W SON-TD	<b>LMP 6626</b>	GE	43000	2000	25	107.5	Horizontal	Open	Rx7s
1kW SON-T / 240V	<b>LMP 6070</b>	GE	130000	2000	25	130.0	Universal	Open	E40

# LAMPS & TRANSFORMERS

## METAL HALIDE LAMP SELECTION

Careful consideration must be given to metal halide lamp/luminaire compatibility. The following points should be checked when choosing suitable lamps.

- ELECTRICAL COMPATIBILITY** - lamps are generally compatible with either mercury (MBF) or high pressure sodium (SON) ballasts
- LUMINAIRE TYPE** - certain metal halide lamps are only suitable for use with enclosed luminaires
- UV REDUCED** - these lamps should be chosen in preference when polycarbonate covers are in use
- BURNING POSITION** - lamps will only give their optimum performance at their specified burning orientation

**IF IN DOUBT CONTACT OUR TECHNICAL DEPARTMENT FOR ADVICE**

## METAL HALIDE LAMPS

	DESCRIPTION	CAT. No.	MANUFACTURER	INITIAL LUMENS	CCT(K)	CRI (Ra)	lm/W	BURNING POSITION	LUMINAIRE TYPE	BASE
SON COMPATIBLE	70W MBI-UV Reduced	<b>LMP 9961</b>	VENTURE	5300	4000	65	75.7	Universal	Open	E27
	100W MBI-UV Reduced	<b>LMP 11064</b>	VENTURE	7700	4000	65	77.0	Universal	Open	E27
	100W MBI-UV Reduced	<b>LMP 10080</b>	VENTURE	8500	4000	65	85.0	Universal	Open	E40
	150W MBI-UV Reduced	<b>LMP 10081</b>	VENTURE	13300	4000	65	88.7	Universal	Open	E40
	250W MBI-UV Reduced	<b>LMP 10766</b>	VENTURE	20000	4000	70	80.0	HBU	Open	E40
	400W MBIF-UV Reduced	<b>LMP 9795</b>	VENTURE	40000	3700	70	100.0	BU	Open	E40
	250W MBIF - 5200K	<b>LMP 6415</b>	OSRAM	19000	5200	>90	76.0	Universal	Enclosed	E40
	400W MBIF - 5900K	<b>LMP 8278</b>	OSRAM	31000	5900	>90	77.5	Universal	Enclosed	E40
	70W MBIT	<b>LMP 10069</b>	VENTURE	5300	4000	65	75.7	Universal	Enclosed	E27
	70W MBI-UV Reduced	<b>LMP 9831</b>	IWASAKI	4500	3500	>90	64.3	Universal	Open	E27
150W MBIT	<b>LMP 10068</b>	VENTURE	14000	4000	65	93.3	HBU	Enclosed	E40	
250W MBIT - 4000K	<b>LMP 9793</b>	VENTURE	19000	4000	65	76.0	HBU	Enclosed	E40	
400W MBIT - 4000K	<b>LMP 9796</b>	VENTURE	36000	4000	65	90.0	HBU	Enclosed	E40	
250W MBIT - 5400K	<b>LMP 6417</b>	OSRAM	20000	5400	>90	80.0	Universal	Enclosed	E40	
400W MBIT - 5200K	<b>LMP 8277</b>	OSRAM	34000	5500	>90	80.0	Universal	Enclosed	E40	
250W MBIFP - 6000K	<b>LMP 11488</b>	OSRAM	17000	6000	90	68.0	Universal	Open	E40	
250W HPI BUP Plus	<b>LMP 11097</b>	PHILIPS	18000	4300	69	72.0	BU	Open	E40	
400W HPI BUP Plus	<b>LMP 10555</b>	PHILIPS	32500	4300	69	81.3	BU	Open	E40	
MBF COMPATIBLE	250W HPIT Plus	<b>LMP 10553</b>	PHILIPS	20500 ♦	4600 ♦	65	82.0	Horizontal	Enclosed	E40
	400W HPIT Plus	<b>LMP 10554</b>	PHILIPS	35000 ♦	4500 ♦	65	87.5	Horizontal	Enclosed	E40
♦ Figures are based on lamp operating with MBF/U control gear										
HIGH WATTAGE	1000W MBIL	<b>LMP 11346</b>	VENTURE	80000	5200	65	80.0	Horizontal	Enclosed	D/End
	1000W MBIF	<b>LMP 10942</b>	VENTURE	105000	3700	70	105.0	Universal	Enclosed	E40
	1000W MBIE	<b>LMP 9951</b>	VENTURE	105000	4000	65	105.0	Universal	Enclosed	E40
	1000W MHN-LA	<b>LMP 10604</b>	PHILIPS	100000	4200	>80	100.0	Horizontal	Enclosed	D/End
	2000W MHN-LA	<b>LMP 10006</b>	PHILIPS	220000	4200	>80	110.0	Horizontal	Enclosed	D/End
CERAMIC METAL HALIDE	35W CDM-TC 830	<b>LMP 12964</b>	PHILIPS	3300	3000	>80	94.3	Universal	Enclosed	G8.5
	70W CDM-TC 830	<b>LMP 12965</b>	PHILIPS	6400	3000	>80	91.4	Universal	Enclosed	G8.5
	20W CDM-Tm 830	<b>LMP 13466</b>	PHILIPS	1650	3000	>80	82.5	Universal	Enclosed	PGJ5
	35W CDM-T 830	<b>LMP 13568</b>	OSRAM	3600	3000	>80	102.9	Universal	Enclosed	G12
	70W CDM-T 830	<b>LMP 10568</b>	PHILIPS	6600	3000	>80	94.3	Universal	Enclosed	G12
	70W CDM-T 942	<b>LMP 11101</b>	PHILIPS	6600	4200	>90	94.3	Universal	Enclosed	G12
	150W CDM-T 830	<b>LMP 10569</b>	PHILIPS	14000	3000	>80	93.3	Universal	Enclosed	G12
	150W CDM-T 942	<b>LMP 11102</b>	PHILIPS	12700	4200	>90	84.7	Universal	Enclosed	G12
	70W CDM-TD 830	<b>LMP 10768</b>	PHILIPS	6500	3000	>80	92.9	Horizontal	Enclosed	D/End
	70W CDM-TD 942	<b>LMP 11103</b>	PHILIPS	6000	4200	>90	85.7	Horizontal	Enclosed	D/End
	150W CDM-TD 830	<b>LMP 10769</b>	PHILIPS	13250	3000	>80	88.3	Horizontal	Enclosed	D/End
	150W CDM-TD 942	<b>LMP 11104</b>	PHILIPS	14200	4200	>90	94.7	Horizontal	Enclosed	D/End
	70W CDO-TT 828	<b>LMP 10358</b>	PHILIPS	6300	2800	>80	90.0	Universal	Enclosed	E27
	100W CDO-TT 828	<b>LMP 12227</b>	PHILIPS	8700	2800	>80	87.0	Universal	Enclosed	E40
	150W CDO-TT 828	<b>LMP 10359</b>	PHILIPS	13500	2800	>80	90.0	Universal	Enclosed	E40

# LAMPS & TRANSFORMERS

## LOW VOLTAGE TUNGSTEN HALOGEN LAMPS

DESCRIPTION	CAT. No.	MANUFACTURER	INITIAL LUMENS	CCT(K)	CRI (Ra)	lm/W	BURNING POSITION	LUMINAIRE TYPE	BASE
12V 20W GU4 30 deg	<b>LMP 11081</b>	PHILIPS	n/a	2900	100	n/a	Universal	Open	2-pin
12V 50W GU5.3 36 deg	<b>LMP 11088</b>	PHILIPS	n/a	2900	100	n/a	Universal	Open	2-pin
12V 45W GU5.3 60 deg	<b>LMP 12596</b>	PHILIPS	n/a	2900	100	n/a	Universal	Open	2-pin
12V 35W GU4 30 deg	<b>LMP 11187</b>	PHILIPS	n/a	2900	100	n/a	Universal	Open	2-pin

## TUNGSTEN HALOGEN LAMPS

DESCRIPTION	CAT. No.	MANUFACTURER	INITIAL LUMENS	CCT(K)	CRI (Ra)	lm/W	BURNING POSITION	LUMINAIRE TYPE	BASE
205W T/H E27	<b>LMP 6713</b>	OSRAM	4200	2900	100	20.5	Universal	Open	E27

## LEDS

DESCRIPTION	CAT. No.	MANUFACTURER	INITIAL LUMENS	CCT(K)	CRI (Ra)	lm/W	BURNING POSITION	LUMINAIRE TYPE	BASE
LED 4W GU10 40 deg	<b>LMP 14888</b>	PHILIPS	180	3000	80	45.0	Universal	Open	2-pin
LED 6W GU10 35 deg	<b>LMP 15610</b>	MEGAMAN	410	2800	80	68.3	Universal	Open	2-pin

## TRANSFORMERS

### TRANSFORMERS - IP20

TYPE	CAT. No.	RATING	L	H	W	CRS. (mm)	kg
Electronic, dimmable	<b>TRA 18/580</b>	35-75VA	150	35	49	144	0.2
Electronic, dimmable	<b>TRA 18/453</b>	50-155VA	190	41	54	160 x 42	0.4
Electronic, dimmable	<b>TRA 18/215</b>	50-210VA	190	41	54	160 x 42	0.4
LED Driver	<b>LED 13620</b>	11W (350mA)	128	28	37	117	0.6