

## GLS, FLUORESCENT - T5, T8, MERCURY, SODIUM, METAL HALIDE, AND LED LAMPS ( Typical for General Guidance )

INCANDESCENT (GLS) LAMPS			
WATTS	LUMENS	LENGTH IN MM	DIA IN MM
25	220	97	55
40	415	97	55
60	710	97	55
100	1340	97	55
150	2160	123	65
200	3040	166	55
300	5000	189	90
500	8400	240	110

HPSV LAMPS			
WATTS	LUMENS	LENGTH IN MM	DIA IN MM
70(E)	5600	156	71
70(I)	5600	156	71
150	13500	226	91
150-T	14000	211	47
250	25000	226	91
250-T	27000	257	47
400	46500	290	122
400-T	47500	283	47
SON-T+150	16500	211	47
SON-T+250	32000	257	47
SON-T+400	55000	283	47

METAL HALIDE LAMPS				
TYPE	WATTS	LUMENS	LENGTH IN MM	DIA IN MM
MH-DE	70	5500	117.6	21
MH-DE	150	12100	135.4	24
MH-T	250	19000	257	47
MH-T	400	35000	275	46
MH-T	1000	85000	382	66
MH-T	2000	189000	430	102
MH	70	5500	144	55
MH	150	12500	144	55

LEDs		
WATTS	LIGHT INTENSITY	SIZE
3 x 1W ( 350mA )	150 Lumen	MR-16
3 x 3W ( 3 x 700mA )	240 Lumen	MR-16
7 x 3W ( 7 x 700mA )	420 Lumen	QR-111
20mA	4000 mcd	Ø5

COMPACT FLUORESCENT LAMPS			
TYPE	WATTS	LUMENS	LENGTH IN MM
CFL	5	250	108
CFL	7	400	138
CFL	9	600	168
CFL	11	900	238
CFLE	11	600	155
CFLE	15	850	133
CFLE	20	1100	150
CFLE	23	1350	171
CFLC	10	600	118
CFLC	13	900	140
CFLC	18	1200	152
CFLC	26	1800	173
CFLC	42	3200	168
CFLL	18	1200	227
CFLL	24	1800	322
CFLL	36	2900	417
CFLL	55	4800	542

CDM - T			
WATTS	LUMENS	LENGTH IN MM	DIA IN MM
TM-20W	1650	45	17
T-70W	6600	100	20
T-150W	14000	110	20

HPMV LAMPS			
WATTS	LUMENS	LENGTH IN MM	DIA IN MM
125	6200	168	75
250	12750	222	90
400	22750	282	120

FLUORESCENT TUBULAR LAMPS			
LAMP	LUMENS	LENGTH IN MM	DIA IN MM
TL 20W	950	604	40.5
TL 40W	2450	1213.6	40.5
TL 18W(T-8)	1350	604	28
TL 36W(T-8)	3350	1213.6	28
TL 14W(T-5)HE	1100	563.2	16
TL 28W(T-5)HE	2400	1163.2	16
TL 54W(T-5)HO	4250	1163.2	16

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REFLECTOR LAMPS			
SHAPE / TYPE / WATTS	INTENSITY (Cd)	LENGTH IN MM	DIA IN MM
NR63 / 60W	96000	102.5	63.5
R95 / 100W	1000	135	95

LOW VOLTAGE HALOGEN LAMPS [ MR-16 & QR111 ]			
LAMP / WATTS	INTENSITY (Cd)	LENGTH IN MM	DIA IN MM
MR 16 / 12V-50W	1200	46	50
QR111 / 12V-50W	23000	60	111
QR111 / 12V-75W	30000	60	111
QR111 / 12V-100W	48000	60	111

HALOGEN - DOUBLE ENDED			
WATTS	LUMENS	LENGTH IN MM	DIA IN MM
500W	9000	117.6	11
1000W	22000	254.1	11

MAIN VOLTAGE HALOGEN LAMPS			
WATTS	INTENSITY (Cd)	LENGTH IN MM	DIA IN MM
240V-50W	100	51	51

PAR LAMPS				
TYPE	WATTS	INTENSITY (Cd)	LENGTH IN MM	DIA IN MM
PAR 30	100W	3500	91	97
PAR 20	50W	1000	91	65

GLS	: General Lighting Service
HPMV	: High Pressure Mercury Vapour
HPSV	: High Pressure Sodium Vapour
MH	: Metal Halide
MH-DE	: Metal Halide - Double ended
MH-T	: Metal Halide - Tubular
CDMT	: Ceramic Discharge Metal Halide - Tubular
MHR	: Metal Halide Lamp for Fiber Optic Application
PAR	: Parabolic Aluminized Reflector Lamp
QR111	: Low Voltage Halogen Aluminium Reflector lamp with 50 / 75 / 100 Watts
CFL	: Compact Fluorescent Lamp Single
CFLC	: Compact Fluorescent Lamp Coupled
CFL	: Compact Fluorescent Lamp with high luminous flux
CFL	: Compact Fluorescent Lamp with built-in electronic ballast
FTL	: Fluorescent Tubular Lamp
LED	: Light Emitting Diode
T-5	: High Luminous Slek Fluorescent 16mm Ø
T-5/HO	: T-5 High Output
T-5/HE	: T-5 High Efficacy
CDL	: Cool Day Light
WW	: Warm White

ENERGY SAVING AT A GLANCE				
	40W	60W	75W	100W
	9W	11W	15W	20W