

ANNEX I

STREET LIGHTING INVENTORY

PRIMARY FACTORS

Note: Detailed information on the age of older columns is not available, although it is known that 80% of columns are more than 10 years old, and it is estimated that 57% are past their design life of 25 years. Whilst detailed information on the age of columns is not known, the condition of many columns has been established through ultra sounding testing, and re-testing has been conducted to establish the rate of deterioration.

Numbers of Columns

Column Material	Column Mounting Height							Total
	4m	5m	6m	8m	10m	12m	>12m	
Mild Steel	334	27774	5509	11198	10606	766	154	56341
Stainless Steel	0	0	0	0	0	0	0	0
Concrete	39	19230	1155	2460	544	3	0	23431
Aluminium	19	20409	317	46	17	0	0	20808
Cast Iron	126	2598	123	36	0	0	0	2883
Wood	0	0	0	0	0	0	0	0
Composite	0	0	0	0	0	0	0	0
Other	363	182	23	166	7	0	0	741
Total	881	70193	7127	13906	11174	769	154	104204

COLUMN TYPE PROFILE

MATERIAL TYPE	Number of Columns
Mild Steel – External Protective Coating Only	38770
Mild Steel – Hot Dipped Galvanised Only	-
Mild Steel – Hot Dipped Galvanised & External Protective Coating	17553
Mild Steel – Protection unknown	18
Stainless Steel	-
Concrete	23431
Aluminium	20808
Cast Iron	2883
Wood	-
Composite	-
Other	741
	104204

ENERGY PROFILE

Lamp Type	Lamp Wattage	Number of Lamps
SOX	18*	68
	35	191
	55	108
	90	337
	135	362
	180	59
SOX-E	26	63837
	36	6084
	66	10596
	91	8756
	131	561
SON	50	1123
	70	4335
	100	790
	150	3500
	250	3091
	400	991
	600	-
	1000	-
CDM/T	35	6
	70	124
	150	12
	250	-
MBF	50	14
	80	1473
	125	167
	250	41
	400	9
QL	55	-
	85	-
Metal Halide	70	-
	100	-
	150	25
	250	4
	400	11
	1000	8
	2000	-

Lamp Type	Lamp Wattage	Number of Lamps
MCF	6*	34
	8*	351
	9*	28
	11*	278
	13*	15
	15*	-
	20	30
	21*	23
	25*	2
	28*	19
	30	-
	36	4
	38*	87
	40	7
	58	6
	65	90
	70	390
	75	-
	80*	27
85	82	
125	-	
GLS	60	-
	100	-
	150	-
PL-L	24	75
	36	-
	40	-
	55	15
PL-T	18	272
	26	51
	32	-
	42	-
MBT/L	160	-

* - These are code and wattage combinations that have been added to include Hertfordshire inventory

Lamp Type	Lamp Wattage	Number of Lamps
TH	25*	-
	40*	-
	50	-
	60*	6
	65*	-
	100	242
	150*	6
	200*	-
	300	7
	500	-
	1000	21
	1500	-

LIGHTING CONTROL

CONTROL	Numbers of Lamps
Time Switch – All Night	64
Time Switch – Part Night	40
Photo Cell – All Night	107111
Photo Cell – Part Night	1297
24 Hour Operation	306
TOTAL *	108818

* The above total does not match the number of columns in previous tables, as some street lights have 2 or more lamps per column.