

Data from CIBSE TM46:2008 Table 1 Benchmark categories and values

Category	Name and description Name	Brief Description	Energy Benchmark		Illustrative CO ₂ benchmarks calculated from the energy benchmarks		
			Electricity typical benchmark (kWh/m ²)	Fossil-thermal typical benchmark (kWh/m ²)	Illustrative electricity typical benchmark (kgCO ₂ /m ²)	Illustrative Fossil-thermal typical benchmark (kgCO ₂ /m ²)	Illustrative total typical benchmark (kgCO ₂ /m ²)
1	General office	General office and commercial working areas	95.0	120.0	52.3	22.8	75.1
2	High street agency	High street agency	140.0	0.0	77.0	0.0	77.0
3	General retail	General street retail and services	165.0	0.0	90.8	0.0	90.8
4	Large non-food shop	Retail warehouse or other large non-food store	70.0	170.0	38.5	32.3	70.8
5	Small food store	Small food store	310.0	0.0	170.5	0.0	170.5
6	Large food store	Supermarket or other large food store	400.0	105.0	220.0	20.0	240.0
7	Resturant	Resturant	90.0	370.0	49.5	70.3	119.8
8	Bar, pub or licensend club	Bar, pub or club	130.0	350.0	71.5	66.5	138.0
9	Hotel	Hotel or boarding house	105.0	330.0	57.8	62.7	120.5
10	Cultural activities	Museum, art gallery or other public building with normal occupancy	70.0	200.0	38.5	38.0	76.5
11	Entertainment halls	Entertainment halls	150.0	420.0	82.5	79.8	162.3
12	Swimming pool centre	Swimming pool hall, changing and ancillaries	245.0	1,130.0	134.8	214.7	349.5
13	Fitness & health centre	Fitness centre	160.0	440.0	88.0	83.6	171.6
14	Dry sports and leisure facility	Dry sports and leisure facility	95.0	330.0	52.3	62.7	115.0
15	Covered car park	Car park with roof and side walls	20.0	0.0	11.0	0.0	11.0
16	Public buildings with light usage	Light use public and institutional buildings	20.0	105.0	11.0	20.0	31.0
17	Schools & seasonal public buildings	Public buildings nominally used for part of year	40.0	150.0	22.0	28.5	50.5
18	University campus	University campus	80.0	240.0	44.0	45.6	89.6
19	Clinic	Health centres, clinics and surgeries	70.0	200.0	38.5	38.0	76.5
20	Hospital (clinical and research)	Clinical and research hospital	90.0	420.0	49.5	79.8	129.3
21	Long term residential	Long term residential accomodation	65.0	420.0	35.8	79.8	115.6
22	General accomodation	General accomodation	60.0	300.0	33.0	57.0	90.0
23	Emergency services	Emergency services	70.0	390.0	38.5	74.1	112.6
24	Laboratory or operating theatre	Laboratory or operating theatre	160.0	160.0	88.0	30.4	118.4
25	Public waiting or circulation	Bus or train station, shopping centre mall	30.0	120.0	16.5	22.8	39.3
26	Terminal	Regional transport terminal with concourse	75.0	200.0	41.3	38.0	79.3
27	Workshop	Workshop or open working area (not office)	35.0	180.0	19.3	34.2	53.5
28	Storgae facility	Storage warehouse or depot	35.0	160.0	19.3	30.4	49.7
29	Cold storage	Refrigerated warehouse	145.0	80.0	79.8	15.2	95.0