

Equipment/appliance	Power consumption (W)	Weekly usage	Weekly consumption (KWh)	Annual consumption (KWh)	Daily consumption (KWh)	Notes
Computer box - <i>not included in the total</i>	80.0	8hrs x 6days x 20	76.80	3993.6	10.941	David MacKay www.withouthotair.com
Laptops (computer lab)	20.0	8hrs x 6days x 30	28.80	1497.6	4.103	David MacKay www.withouthotair.com
Laptops (other rooms, receptionists)	20.0	4hrs x 5days x 8	3.20	166.4	0.456	David MacKay www.withouthotair.com
LCD display (receptionists)	34.0	8hrs x 6days x 4	6.53	339.5	0.930	David MacKay www.withouthotair.com
Cisco 2500 network hub/router (computer lab)	40.0	24/7/365	6.72	349.4	0.957	www.cisco.com
Projectors (media room, computer lab)	150.0	2hr x 5days x 2	3.00	156.0	0.427	David MacKay www.withouthotair.com
Large A3 paper colour Printer/Copier/Fax machine 32ipm (Xerox WorkCenter 6400S) (computer lab)			9.80	509.6	1.396	www.eu-energystar.org
Mono Printer/Copier/Fax machine (Ricoh Aficio MP 6000 SP 60ipm) (receptionists)			9.30	483.6	1.325	www.eu-energystar.org
Laser printer/copier (inactive)	17.0	7hrs x 6days x 2	1.43	74.3	0.203	David MacKay www.withouthotair.com
46" LCD HDTV screens (communal room, media room)	170.0	8hrs x 5days x 2	13.60	707.2	1.938	http://tinyurl.com/power-hdtv
Microwave (breakout area)	1400.0	2hrs x 5days x 1	14.00	728.0	1.995	David MacKay www.withouthotair.com
Bosch Classixx KGV36X10 Class A++ Fridge/Freezer (breakout area)		24hrs, 7 days a week		208.0	0.570	Bosh http://tinyurl.com/bosh-fridge
Coffee maker (breakout area)	800.0	2hrs x 5days x 1	8.00	416.0	1.140	http://tinyurl.com/power-coffee-maker
Water heater/cooler Vitapur VWD5206W Water Dispenser (breakout area)	90.0	10hrs/day timer, 6 days a week	5.40	280.8	0.769	online retailer
Dishwasher 55°C (breakout area)	1.07 kWh per use	once a day, 6 days a week	6.42	333.8	0.915	www.carbonfootprint.com
Mobile phone chargers	4.0	2hrs x 6days x 40	1.92	99.8	0.274	Nokia charger
Ventilation system UltimateAir RecoupAerator 200DX Energy Recovery Ventilator (ERV)	40.0	24/7/365	6.72	349.44	0.96	http://www.ultimateair.com/product.php
Lighting with 55W fluorescent tubes and ELS daylight detection system (50% savings)	4*55W*50%/19.5sqm	10hrs x 5days x 1800sqm	507.69	26399.98	72.33	http://tinyurl.com/lightinglab
Lighting with 10W energy savings bulbs and MDS movement detection switching (10% savings) <i>not included in the total</i>	4*10W*90%/19.5sqm	10hrs x 5days x 1800sqm	166.15	8639.96	23.67	
ThyssenKrupp 10K Drive Lift	87KWh per day	10hrs/day, 35% duty cycle, 6 days a week	522.00	27144.00	74.37	http://tinyurl.com/thyssenkruppelevator
Conference audio systems Yamaha XP5000 Audio mixer/amplifier (communal room, theatre, computer lab)	500W (5W standby)	4hrs x 6days x 3	36.00	1872.00	5.13	www.yamahaproaudio.com
Xlerator high speed hand driers	1500.0	(150 people x 3times x 6 days) x 10s	11.25	585.00	1.60	www.exceldryer.com
Vacuum cleaner	1500.0	3hrs x 5 days	22.50	1170.00	3.21	David MacKay www.withouthotair.com
CCTV system 16 channel DVR system 12 Day/Night Infrared Dome cameras 4 Ultra High Resolution cameras 14" monitor	60W + 12*2W + 4*6W + 30W = 138W	24hrs / 7 days a week	23.18	1205.57	3.30	http://www.ctvguide.com/dvr.htm
Electric car charger (Mitsubishi iMiEV)	10 KWh per 100 Km	50Km x 7days x 3cars	105.00	5460.00	14.96	Mitsubishi http://tinyurl.com/imiev-specs
Total				70536.0	17.4	
Total / sqm				39.2	0.1	