

SEAI Lighting Upgrade Credits Calculation Tool

Guidance for Use

Appendix 1: Sites and Operational Hours

Version: v1.1

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Site Activity	Zone Activity	High				Medium				Low			
		Hours/day	Days/week	Weeks pa	Total	Hours/day	Days/week	Weeks pa	Total	Hours/day	Days/week	Weeks pa	Total
Shops & Supermarkets	Bathroom/Toilet	24	7	52	8,736	16	7	52	5,824	12	7	52	4,368
	Car Park (enclosed)	24	7	52	8,736	16	7	52	5,824	12	7	52	4,368
	Car Park (outdoors)	8	7	52	2,912	8	7	52	2,912	8	7	52	2,912
	Changing facilities	24	7	52	8,736	16	7	52	5,824	12	7	52	4,368
	Corridors / Stairs	24	7	52	8,736	16	7	52	5,824	12	7	52	4,368
	Display area	24	7	52	8,736	16	7	52	5,824	12	7	52	4,368
	Eating/drinking area	24	7	52	8,736	16	7	52	5,824	12	7	52	4,368
	External covered walkway	8	7	52	2,912	8	7	52	2,912	8	7	52	2,912
	External pathway	8	7	52	2,912	8	7	52	2,912	8	7	52	2,912
	Food preparation area	24	7	52	8,736	16	7	52	5,824	12	7	52	4,368
	Meeting room	8	7	52	2,912	8	7	52	2,912	8	7	52	2,912
	Office	8	7	52	2,912	8	7	52	2,912	8	7	52	2,912
	Plant room	4	7	52	1,456	4	7	52	1,456	4	7	52	1,456
	Sales area - chilled	24	7	52	8,736	16	7	52	5,824	12	7	52	4,368
	Sales area - general	24	7	52	8,736	16	7	52	5,824	12	7	52	4,368
	Staff room/lounge	24	7	52	8,736	16	7	52	5,824	12	7	52	4,368
Storage area - chilled / cold	8	7	52	2,912	8	7	52	2,912	4	7	52	1,456	
Store / warehouse	8	7	52	2,912	8	7	52	2,912	4	7	52	1,456	
workshop (general)	6	7	52	2,184	4	7	52	1,456	4	7	52	1,456	
Retail	Bathroom/Toilet	24	7	52	8,736	12	7	52	4,368	12	5	52	3,120
	Car Park (enclosed)	24	7	52	8,736	12	7	52	4,368	12	5	52	3,120
	Car Park (outdoors)	8	7	52	2,912	8	7	52	2,912	8	5	52	2,080
	Changing facilities	24	7	52	8,736	12	7	52	4,368	12	5	52	3,120
	Corridors / Stairs	24	7	52	8,736	12	7	52	4,368	12	5	52	3,120
	Display area	24	7	52	8,736	12	7	52	4,368	12	5	52	3,120
	Eating/drinking area	24	7	52	8,736	12	7	52	4,368	12	5	52	3,120
	External covered walkway	8	7	52	2,912	8	7	52	2,912	8	5	52	2,080
	External pathway	8	7	52	2,912	8	7	52	2,912	8	5	52	2,080
	Food preparation area	24	7	52	8,736	12	7	52	4,368	12	5	52	3,120
	Meeting room	8	7	52	2,912	8	7	52	2,912	8	5	52	2,080
	Office	8	7	52	2,912	8	7	52	2,912	8	5	52	2,080
	Plant room	4	7	52	1,456	4	7	52	1,456	4	5	52	1,040
	Sales area - chilled	24	7	52	8,736	12	7	52	4,368	12	5	52	3,120
	Sales area - general	24	7	52	8,736	12	7	52	4,368	12	5	52	3,120
	Staff room/lounge	24	7	52	8,736	12	7	52	4,368	12	5	52	3,120
Storage area - chilled / cold	8	7	52	2,912	4	7	52	1,456	4	5	52	1,040	
Store / warehouse	8	7	52	2,912	4	7	52	1,456	4	5	52	1,040	
workshop (general)	6	7	52	2,184	4	7	52	1,456	4	5	52	1,040	
Fitness	Bathroom/Toilet	14	7	52	5,096	9	7	52	3,276	6	3	52	936
	Car Park (enclosed)	14	7	52	5,096	9	7	52	3,276	6	3	52	936
	Car Park (outdoors)	8	7	52	2,912	8	7	52	2,912	8	3	52	1,248
	Changing facilities	14	7	52	5,096	9	7	52	3,276	6	3	52	936
	Corridors / Stairs	14	7	52	5,096	9	7	52	3,276	6	3	52	936
	Dry sports hall	16	7	52	5,824	12	7	52	4,368	6	3	52	936
	Eating/drinking area	12	7	52	4,368	9	7	52	3,276	6	3	52	936
	External covered walkway	8	7	52	2,912	8	7	52	2,912	6	3	52	936
	External pathway	8	7	52	2,912	8	7	52	2,912	8	3	52	1,248
	Fitness suite/gym	24	7	52	8,736	12	7	52	4,368	6	3	52	936
	Food preparation area	8	7	52	2,912	8	7	52	2,912	6	3	52	936
	Ice rink	14	7	11	1,078	10	7	7	490	8	7	5	280
	Laundry	8	7	52	2,912	8	7	52	2,912	8	7	52	2,912
	Meeting room	8	7	52	2,912	8	7	52	2,912	6	3	52	936
	Office	8	7	52	2,912	8	7	52	2,912	6	3	52	936
	Plant room	6	7	52	2,184	4	7	52	1,456	4	3	52	624
Reception	14	7	52	5,096	9	7	52	3,276	7	7	52	2,548	
Storage area	6	7	52	2,184	4	7	52	1,456	4	3	52	624	
Swimming pool	16	7	52	5,824	12	7	52	4,368	8	7	52	2,912	
Hotel	Bathroom/Toilet	18	7	52	6,552	12	7	52	4,368	16	7	51	5,712
	Bedroom	5	7	52	1,820	5	5	52	1,300	5	3	51	765
	Car Park (enclosed)	24	7	52	8,736	24	7	52	8,736	24	7	51	8,568
	Car Park (outdoors)	8	7	52	2,912	8	7	52	2,912	8	7	51	2,856
	Changing facilities	16	7	52	5,824	12	7	52	4,368	8	7	51	2,856
	Corridors / Stairs	24	7	52	8,736	24	7	52	8,736	24	7	51	8,568
	Eating/drinking area	18	7	52	6,552	12	7	52	4,368	8	7	51	2,856
	External covered walkway	8	7	52	2,912	8	7	52	2,912	8	7	52	2,912
	External pathway	8	7	52	2,912	8	7	52	2,912	8	7	51	2,856
	Fitness suite/gym	16	7	52	5,824	14	7	52	5,096	12	7	51	4,284
	Food preparation area	24	7	52	8,736	12	7	52	4,368	12	7	51	4,284
	Function Room	16	7	52	5,824	16	4	52	3,328	8	4	51	1,632
	Laundry	8	7	52	2,912	8	7	52	2,912	8	7	51	2,856
	Meeting room	10	7	52	3,640	8	7	52	2,912	8	5	51	2,040
	Office	10	7	52	3,640	8	7	52	2,912	8	7	51	2,856
	Plant room	6	7	52	2,184	4	7	52	1,456	4	5	51	1,020

	Reception	24	7	52	8,736	24	7	52	8,736	16	7	51	5,712
	Storage area	6	7	52	2,184	4	7	52	1,456	4	7	51	1,428
	Storage area - cold room (<0deg	6	7	52	2,184	4	7	52	1,456	4	5	51	1,020
	Swimming pool	14	7	52	5,096	12	7	52	4,368	10	7	51	3,570
Office	Bathroom/Toilet	17	6	52	4,862	12	5	52	3,120	10	5	51	2,550
	Car Park (enclosed)	17	6	52	4,862	12	5	52	3,120	10	5	51	2,550
	Car Park (outdoors)	8	6	52	2,288	8	5	52	2,080	8	5	51	2,040
	Cellular office	17	6	52	4,862	12	5	52	3,120	10	5	51	2,550
	Changing facilities	13	6	52	3,718	12	5	52	3,120	10	5	51	2,550
	Common room/staff room	17	6	52	4,862	12	5	52	3,120	10	5	51	2,550
	Corridors / Stairs	17	6	52	4,862	12	5	52	3,120	10	5	51	2,550
	Eating/drinking area	10	6	52	2,860	12	5	52	3,120	10	5	51	2,550
	entrance halls	17	6	52	4,862	12	5	52	3,120	10	5	51	2,550
	External covered walkway	8	6	52	2,288	8	5	52	2,080	8	5	51	2,040
	External pathway	8	6	52	2,288	8	5	52	2,080	8	5	51	2,040
	Hall/lecture theatre/assembly a	10	6	52	2,860	12	5	52	3,120	10	5	51	2,550
	IT equipment / server	8	6	52	2,288	12	5	52	3,120	10	5	51	2,550
	meeting room	10	6	52	2,860	10	5	52	2,600	10	5	51	2,550
	Office	17	6	52	4,862	12	5	52	3,120	10	5	51	2,550
	plant room	6	6	52	1,716	6	5	52	1,560	6	5	51	1,530
	Public circulation areas	10	6	52	2,860	12	5	52	3,120	10	5	51	2,550
	Reception	10	6	52	2,860	12	5	52	3,120	10	5	51	2,550
	store / warehouse	6	6	52	1,716	6	5	52	1,560	6	5	51	1,530
	Tea making	17	6	52	4,862	12	5	52	3,120	10	5	51	2,550
Nursing home / residential care home	Bathroom/Toilet	20	7	52	7,280	20	7	52	7,280	20	7	52	7,280
	Bedroom	12	7	52	4,368	12	7	52	4,368	12	7	52	4,368
	Car Park (enclosed)	24	7	52	8,736	24	7	52	8,736	24	7	52	8,736
	Car Park (outdoors)	8	7	52	2,912	8	7	52	2,912	8	7	52	2,912
	Consultation room	9	7	52	3,276	9	7	52	3,276	9	7	52	3,276
	Corridors / Stairs	24	7	52	8,736	24	7	52	8,736	24	7	52	8,736
	Eating/drinking area	12	7	52	4,368	12	7	52	4,368	12	7	52	4,368
	External covered walkway	8	7	52	2,912	8	7	52	2,912	8	7	52	2,912
	External pathway	8	7	52	2,912	8	7	52	2,912	8	7	52	2,912
	Food preparation area	13	7	52	4,732	13	7	52	4,732	13	7	52	4,732
	Laundry	6	6	52	1,872	6	6	52	1,872	6	6	52	1,872
	Office	12	6	52	3,744	12	6	52	3,744	12	6	52	3,744
	Plant room	4	7	52	1,456	4	7	52	1,456	4	7	52	1,456
Reception	10	7	52	3,640	10	7	52	3,640	10	7	52	3,640	
Storage area	4	7	52	1,456	4	7	52	1,456	4	7	52	1,456	
Tea making	12	7	52	4,368	12	7	52	4,368	12	7	52	4,368	
Hospital / Health centre	Bathroom/Toilet	24	7	52	8,736	12	5	52	3,120	8	4	51	1,632
	Bedroom	16	7	52	5,824	12	5	52	3,120	12	4	51	2,448
	Car Park	8	7	52	2,912	8	5	52	2,080	8	4	51	1,632
	Car Park (enclosed)	24	7	52	8,736	12	5	52	3,120	8	4	51	1,632
	Car Park (outdoors)	8	7	52	2,912	8	5	52	2,080	8	4	51	1,632
	Consultation room	12	7	52	4,368	12	5	52	3,120	8	4	51	1,632
	Corridors / Stairs	24	7	52	8,736	12	5	52	3,120	8	4	51	1,632
	Eating/drinking area	12	7	52	4,368	12	5	52	3,120	8	4	51	1,632
	External covered walkway	8	7	52	2,912	8	5	52	2,080	8	4	51	1,632
	External pathway	8	7	52	2,912	8	5	52	2,080	8	4	51	1,632
	Food preparation area	12	7	52	4,368	12	5	52	3,120	8	4	51	1,632
	Laundry	8	7	52	2,912	8	5	52	2,080	8	4	51	1,632
	Office	12	7	52	4,368	12	5	52	3,120	8	4	51	1,632
	Plant room	6	7	52	2,184	6	5	52	1,560	6	4	51	1,224
Reception	24	7	52	8,736	12	5	52	3,120	8	4	51	1,632	
Storage area	8	7	52	2,912	8	5	52	2,080	8	4	51	1,632	
Tea making	8	7	52	2,912	8	5	52	2,080	8	4	51	1,632	
Public Building	Bathroom/Toilet	12	7	52	4,368	12	5	52	3,120	8	5	52	2,080
	Car Park	12	7	52	4,368	12	5	52	3,120	8	5	52	2,080
	Car Park (enclosed)	12	7	52	4,368	12	5	52	3,120	8	5	52	2,080
	Car Park (outdoors)	12	7	52	4,368	12	5	52	3,120	8	5	52	2,080
	Cellular office	12	7	52	4,368	12	5	52	3,120	8	5	52	2,080
	Changing facilities	12	7	52	4,368	12	5	52	3,120	8	5	52	2,080
	Common room/staff room	12	7	52	4,368	12	5	52	3,120	8	5	52	2,080
	Corridors / Stairs	12	7	52	4,368	12	5	52	3,120	8	5	52	2,080
	Eating/drinking area	12	7	52	4,368	12	5	52	3,120	8	5	52	2,080
	entrance halls	12	7	52	4,368	12	5	52	3,120	8	5	52	2,080
	External assembly area	6	7	52	2,184	6	5	52	1,560	6	5	52	1,560
	External covered walkway	12	7	52	4,368	12	5	52	3,120	8	5	52	2,080
	External pathway	12	7	52	4,368	12	5	52	3,120	8	5	52	2,080
	Food preparation area	12	7	52	4,368	12	5	52	3,120	8	5	52	2,080
	Hall/lecture theatre/assembly a	12	7	52	4,368	12	5	52	3,120	8	5	52	2,080
	IT equipment / server	6	7	52	2,184	6	5	52	1,560	6	5	52	1,560
	meeting room	12	7	52	4,368	12	5	52	3,120	8	5	52	2,080
	Office	12	7	52	4,368	12	5	52	3,120	8	5	52	2,080
	plant room	6	7	52	2,184	6	5	52	1,560	6	5	52	1,560
	Public circulation areas	12	7	52	4,368	12	5	52	3,120	8	5	52	2,080
	Reception	12	7	52	4,368	12	5	52	3,120	8	5	52	2,080
	Storage area	6	7	52	2,184	6	5	52	1,560	6	5	52	1,560
	Tea making	12	7	52	4,368	12	5	52	3,120	8	5	52	2,080

Restaurant/Bar	Bathroom/Toilet	17	7	52	6,188	12	7	52	4,368	9	5	51	2,295
	Car Park (enclosed)	17	7	52	6,188	12	7	52	4,368	9	5	51	2,295
	Car Park (outdoors)	8	7	52	2,912	8	7	52	2,912	8	5	51	2,040
	Common room/staff room	17	7	52	6,188	12	7	52	4,368	9	5	51	2,295
	Corridors / Stairs	17	7	52	6,188	12	7	52	4,368	9	5	51	2,295
	Eating/drinking area	17	7	52	6,188	12	7	52	4,368	9	5	51	2,295
	entrance halls	17	7	52	6,188	12	7	52	4,368	9	5	51	2,295
	External covered walkway	8	7	52	2,912	8	7	52	2,912	8	5	51	2,040
	External pathway	8	7	52	2,912	8	7	52	2,912	8	5	51	2,040
	Food preparation area	15	7	52	5,460	12	7	52	4,368	9	5	51	2,295
	Function Room	17	7	52	6,188	12	7	52	4,368	9	5	51	2,295
	meeting room	17	7	52	6,188	12	7	52	4,368	9	5	51	2,295
	Office	17	7	52	6,188	12	7	52	4,368	9	5	51	2,295
	plant room	6	7	52	2,184	6	7	52	2,184	6	5	51	1,530
	Public circulation areas	17	7	52	6,188	12	7	52	4,368	9	5	51	2,295
	Storage area	9	7	52	3,276	9	7	52	3,276	9	5	51	2,295
Storage area - cold room	6	7	52	2,184	6	7	52	2,184	6	5	51	1,530	
School / Education / University	Bathroom/Toilet	12	7	50	4,200	10	5	50	2,500	8	5	40	1,600
	Car Park (enclosed)	12	7	50	4,200	10	5	50	2,500	8	5	40	1,600
	Car Park (outdoors)	8	5	50	2,000	8	5	50	2,000	8	5	40	1,600
	Changing facilities	12	7	50	4,200	10	5	50	2,500	8	5	40	1,600
	Classroom	12	6	50	3,300	10	5	50	2,500	8	5	40	1,600
	Common room/staff room	8	5	50	2,000	8	5	50	2,000	8	5	40	1,600
	Corridors / Stairs	12	7	50	4,200	10	5	50	2,500	8	5	40	1,600
	Dry sports hall	12	7	50	4,200	10	5	50	2,500	8	5	40	1,600
	Eating/drinking area	12	5	50	3,000	10	5	50	2,500	8	5	40	1,600
	entrance halls	12	5	50	3,000	10	5	50	2,500	8	5	40	1,600
	External covered walkway	8	5	50	2,000	8	5	50	2,000	8	5	40	1,600
	External pathway	8	5	50	2,000	8	5	50	2,000	8	5	40	1,600
	Food preparation area	8	5	50	2,000	8	5	50	2,000	8	5	40	1,600
	Hall/Assembly area	10	5	50	2,500	10	5	50	2,500	8	5	40	1,600
	meeting room	10	5	50	2,500	10	5	50	2,500	8	5	40	1,600
	Office	10	5	50	2,500	10	5	50	2,500	8	5	40	1,600
	plant room	4	5	50	1,000	4	5	50	1,000	4	5	40	800
	Public circulation areas	10	5	50	2,500	10	5	50	2,500	8	5	40	1,600
	Reception	10	6	50	2,750	10	5	50	2,500	8	5	40	1,600
	Storage area	8	5	50	2,000	8	5	50	2,000	8	5	40	1,600
Swimming pool	12	7	50	4,200	10	5	50	2,500	8	5	40	1,600	
Tea making	12	5	50	3,000	10	5	50	2,500	8	5	40	1,600	
workshop (general)	8	5	50	2,000	8	5	50	2,000	8	5	40	1,600	
Warehouse	Bathroom/Toilet	15	7	52	5,460	12	5	52	3,120	8	3	52	1,248
	Car Park (enclosed)	15	7	52	5,460	12	5	52	3,120	8	3	52	1,248
	Car Park (outdoors)	15	7	52	5,460	12	5	52	3,120	8	3	52	1,248
	Cellular office	15	7	52	5,460	12	5	52	3,120	8	3	52	1,248
	Common room/staff room	15	7	52	5,460	12	5	52	3,120	8	3	52	1,248
	Corridors / Stairs	15	7	52	5,460	12	5	52	3,120	8	3	52	1,248
	Eating/drinking area	15	7	52	5,460	12	5	52	3,120	8	3	52	1,248
	External covered walkway	15	7	52	5,460	12	5	52	3,120	8	3	52	1,248
	External pathway	15	7	52	5,460	12	5	52	3,120	8	3	52	1,248
	Food preparation area	15	7	52	5,460	12	5	52	3,120	8	3	52	1,248
	IT equipment / server	6	7	52	2,184	6	5	52	1,560	6	3	52	936
	Office	15	7	52	5,460	12	5	52	3,120	8	3	52	1,248
	packing and dispatch	15	7	52	5,460	12	5	52	3,120	8	3	52	1,248
	plant room	6	7	52	2,184	6	5	52	1,560	6	3	52	936
	Reception	15	7	52	5,460	12	5	52	3,120	8	3	52	1,248
	Storage area	15	7	52	5,460	12	5	52	3,120	8	3	52	1,248
	Storage area - chilled	15	7	52	5,460	12	5	52	3,120	8	3	52	1,248
	Storage area - chilled / cold	15	7	52	5,460	12	5	52	3,120	8	3	52	1,248
	Storage area - cold room	15	7	52	5,460	12	5	52	3,120	8	3	52	1,248
	Tea making	15	7	52	5,460	12	5	52	3,120	8	3	52	1,248
Toilet / bathroom / changing	15	7	52	5,460	12	5	52	3,120	8	3	52	1,248	
Warehouse sales area - chilled	15	7	52	5,460	12	5	52	3,120	8	3	52	1,248	
Warehouse sales area - general	15	7	52	5,460	12	5	52	3,120	8	3	52	1,248	
Community Centre	Bathroom/Toilet	15	7	52	5,460	12	7	52	4,368	8	5	50	2,000
	Car Park (enclosed)	15	7	52	5,460	12	7	52	4,368	8	5	50	2,000
	Car Park (outdoors)	8	7	52	2,912	8	7	52	2,912	8	5	50	2,000
	Cellular office	15	7	52	5,460	12	7	52	4,368	8	5	50	2,000
	Common room/staff room	15	7	52	5,460	12	7	52	4,368	8	5	50	2,000
	Consultation room	15	7	52	5,460	12	7	52	4,368	8	5	50	2,000
	Corridors / Stairs	15	7	52	5,460	12	7	52	4,368	8	5	50	2,000
	Eating/drinking area	15	7	52	5,460	12	7	52	4,368	8	5	50	2,000
	Entrance halls	15	7	52	5,460	12	7	52	4,368	8	5	50	2,000
	External covered walkway	8	7	52	2,912	8	7	52	2,912	8	5	50	2,000
	External pathway	8	7	52	2,912	8	7	52	2,912	8	5	50	2,000
	Food preparation area	15	7	52	5,460	12	7	52	4,368	8	5	50	2,000
	Hall/Assembly area	15	7	52	5,460	12	7	52	4,368	8	5	50	2,000
	Meeting room	15	7	52	5,460	12	7	52	4,368	8	5	50	2,000
	Office	8	7	52	2,912	8	7	52	2,912	8	5	50	2,000
	plant room	4	7	52	1,456	8	7	52	2,912	4	5	50	1,000

	Public circulation areas	15	7	52	5,460	12	7	52	4,368	8	5	50	2,000
	Reception	8	7	52	2,912	8	7	52	2,912	8	5	50	2,000
	Storage area	6	7	52	2,184	6	7	52	2,184	6	5	50	1,500
Data Centre	Bathroom/Toilet	16	7	52	5,824	12	7	52	4,368	12	5	52	3,120
	Car Park (enclosed)	16	7	52	5,824	12	7	52	4,368	12	5	52	3,120
	Car Park (outdoors)	8	7	52	2,912	8	7	52	2,912	8	5	52	2,080
	Cellular office	16	7	52	5,824	12	7	52	4,368	12	5	52	3,120
	Common room/staff room	16	7	52	5,824	12	7	52	4,368	12	5	52	3,120
	Corridors / Stairs	16	7	52	5,824	12	7	52	4,368	12	5	52	3,120
	Data Centre	16	7	52	5,824	12	7	52	4,368	12	5	52	3,120
	Eating/drinking area	16	7	52	5,824	12	7	52	4,368	12	5	52	3,120
	entrance halls	16	7	52	5,824	12	7	52	4,368	12	5	52	3,120
	External covered walkway	8	7	52	2,912	8	7	52	2,912	8	5	52	2,080
	External pathway	8	7	52	2,912	8	7	52	2,912	8	5	52	2,080
	IT equipment / server	16	7	52	5,824	12	7	52	4,368	12	5	52	3,120
	meeting room	16	7	52	5,824	12	7	52	4,368	12	5	52	3,120
	Office	16	7	52	5,824	12	7	52	4,368	12	5	52	3,120
	plant room	16	7	52	5,824	12	7	52	4,368	12	5	52	3,120
	Public circulation areas	16	7	52	5,824	12	7	52	4,368	12	5	52	3,120
	Reception	8	7	52	2,912	8	7	52	2,912	8	5	52	2,080
	Storage area	10	7	52	3,640	8	7	52	2,912	8	5	52	2,080
	Workshop - small scale	16	7	52	5,824	12	7	52	4,368	12	5	52	3,120
	workshop (general)	17	7	52	6,188	12	5	52	3,120	12	3	48	1,728
workshop (precision / assembly)	17	7	52	6,188	12	5	52	3,120	12	3	48	1,728	
Refinery	Bathroom/Toilet	17	7	52	6,188	12	5	52	3,120	12	3	48	1,728
	bedroom	5	7	52	1,820	5	5	52	1,300	5	3	48	720
	Car Park (enclosed)	16	7	52	5,824	12	7	52	4,368	12	5	52	3,120
	Car Park (outdoors)	8	7	52	2,912	8	7	52	2,912	8	5	52	2,080
	Cellular office	17	7	52	6,188	12	5	52	3,120	12	3	48	1,728
	Changing facilities	17	7	52	6,188	12	5	52	3,120	12	3	48	1,728
	Common room/staff room	17	7	52	6,188	12	5	52	3,120	12	3	48	1,728
	Corridors / Stairs	24	7	52	8,736	24	5	52	6,240	24	3	48	3,456
	Data Centre	17	7	52	6,188	12	5	52	3,120	12	3	48	1,728
	Eating/drinking area	17	7	52	6,188	12	5	52	3,120	12	3	48	1,728
	entrance halls	17	7	52	6,188	12	5	52	3,120	12	3	48	1,728
	External covered walkway	17	7	52	6,188	12	5	52	3,120	12	3	48	1,728
	External pathway	17	7	52	6,188	12	5	52	3,120	12	3	48	1,728
	Food preparation area	17	7	52	6,188	12	5	52	3,120	12	3	48	1,728
	Hall/Assembly area	17	7	52	6,188	12	5	52	3,120	12	3	48	1,728
	laundry	17	7	52	6,188	12	5	52	3,120	12	3	48	1,728
	loading bays / stores	17	7	52	6,188	12	5	52	3,120	12	3	48	1,728
	meeting room	17	7	52	6,188	12	5	52	3,120	12	3	48	1,728
	Office	17	7	52	6,188	12	5	52	3,120	12	3	48	1,728
	packing and dispatch	17	7	52	6,188	12	5	52	3,120	12	3	48	1,728
plant room	17	7	52	6,188	12	5	52	3,120	12	3	48	1,728	
Public circulation areas	17	7	52	6,188	12	5	52	3,120	12	3	48	1,728	
Reception	17	7	52	6,188	12	5	52	3,120	12	3	48	1,728	
Storage area	8	7	52	2,912	8	5	52	2,080	8	3	48	1,152	
store / warehouse	8	7	52	2,912	8	5	52	2,080	8	3	48	1,152	
Tea making	17	7	52	6,188	12	5	52	3,120	12	3	48	1,728	
Warehouse sales area - general	8	7	52	2,912	8	5	52	2,080	8	3	48	1,152	
Workshop - small scale	17	7	52	6,188	12	5	52	3,120	12	3	48	1,728	
Processing Plant	Bathroom/Toilet	17	5	50	4,250	12	5	50	3,000	12	3	50	1,800
	Car Park (enclosed)	17	5	50	4,250	12	5	50	3,000	12	3	50	1,800
	Car Park (outdoors)	8	5	50	2,000	8	5	50	2,000	8	3	50	1,200
	Cellular office	17	5	50	4,250	12	5	50	3,000	12	3	50	1,800
	Changing facilities	17	5	50	4,250	12	5	50	3,000	12	3	50	1,800
	cold stores	17	5	50	4,250	12	5	50	3,000	12	3	50	1,800
	Common room/staff room	17	5	50	4,250	12	5	50	3,000	12	3	50	1,800
	Corridors / Stairs	17	5	50	4,250	12	5	50	3,000	12	3	50	1,800
	Data Centre	17	5	50	4,250	12	5	50	3,000	12	3	50	1,800
	Eating/drinking area	17	5	50	4,250	12	5	50	3,000	12	3	50	1,800
	entrance halls	17	5	50	4,250	12	5	50	3,000	12	3	50	1,800
	External covered walkway	8	5	50	2,000	8	5	50	2,000	8	3	50	1,200
	External pathway	8	5	50	2,000	8	5	50	2,000	8	3	50	1,200
	Food preparation area	17	5	50	4,250	12	5	50	3,000	12	3	50	1,800
	Hall/lecture theatre/assembly area	17	5	50	4,250	12	5	50	3,000	12	3	50	1,800
	inspection and testing	17	5	50	4,250	12	5	50	3,000	12	3	50	1,800
	IT equipment / server	17	5	50	4,250	12	5	50	3,000	12	3	50	1,800
	laundry	17	5	50	4,250	12	5	50	3,000	12	3	50	1,800
	loading bays / stores	17	5	50	4,250	12	5	50	3,000	12	3	50	1,800
	meeting room	17	5	50	4,250	12	5	50	3,000	12	3	50	1,800
Office	17	5	50	4,250	12	5	50	3,000	12	3	50	1,800	
packing and dispatch	17	5	50	4,250	12	5	50	3,000	12	3	50	1,800	
plant room	17	5	50	4,250	10	5	50	2,500	10	3	50	1,500	
Public circulation areas	17	5	50	4,250	12	5	50	3,000	12	3	50	1,800	
Reception	17	5	50	4,250	12	5	50	3,000	12	3	50	1,800	
small item stores	8	5	50	2,000	8	5	50	2,000	8	3	50	1,200	
Storage area	8	5	50	2,000	8	5	50	2,000	8	3	50	1,200	
Storage area - chilled	8	5	50	2,000	8	5	50	2,000	8	3	50	1,200	
Storage area - chilled / cold	8	5	50	2,000	8	5	50	2,000	8	3	50	1,200	

	Storage area - cold room (<0deg	8	5	50	2,000	8	5	50	2,000	8	3	50	1,200
	store / warehouse	8	5	50	2,000	8	5	50	2,000	8	3	50	1,200
	Tea making	17	5	50	4,250	12	5	50	3,000	12	3	50	1,800
	Workshop - small scale	17	5	50	4,250	12	5	50	3,000	12	3	50	1,800
	workshop (general)	17	5	50	4,250	12	5	50	3,000	12	3	50	1,800
	workshop (precision / assembly	17	5	50	4,250	12	5	50	3,000	12	3	50	1,800
24/7 Processing Plant	Bathroom/Toilet	24	7	52	8,736	24	7	50	8,400	24	7	48	8,064
	Car Park (enclosed)	24	7	52	8,736	24	7	50	8,400	24	7	48	8,064
	Car Park (outdoors)	8	7	52	2,912	8	7	50	2,800	8	7	48	2,688
	Cellular office	24	7	52	8,736	24	7	50	8,400	24	7	48	8,064
	Changing facilities	20	7	52	7,280	20	7	50	7,000	20	7	48	6,720
	cold stores	8	7	52	2,912	8	7	50	2,800	8	7	48	2,688
	Common room/staff room	20	7	52	7,280	20	7	50	7,000	20	7	48	6,720
	Corridors / Stairs	24	7	52	8,736	24	7	50	8,400	24	7	48	8,064
	Data Centre	8	7	52	2,912	8	7	50	2,800	8	7	48	2,688
	Eating/drinking area	17	7	52	6,188	17	7	50	5,950	17	7	48	5,712
	entrance halls	24	7	52	8,736	24	7	50	8,400	24	7	48	8,064
	External covered walkway	8	7	52	2,912	8	7	50	2,800	8	7	48	2,688
	External pathway	8	7	52	2,912	8	7	50	2,800	8	7	48	2,688
	Food preparation area	17	7	52	6,188	17	7	50	5,950	17	7	48	5,712
	Hall/lecture theatre/assembly a	17	7	52	6,188	17	7	50	5,950	17	7	48	5,712
	inspection and testing	17	7	52	6,188	17	7	50	5,950	17	7	48	5,712
	IT equipment / server	8	7	52	2,912	8	7	50	2,800	8	7	48	2,688
	laundry	17	7	52	6,188	17	7	50	5,950	17	7	48	5,712
	loading bays / stores	20	7	52	7,280	20	7	50	7,000	20	7	48	6,720
	meeting room	20	7	52	7,280	20	7	50	7,000	20	7	48	6,720
	Office	24	7	52	8,736	24	7	50	8,400	24	7	48	8,064
	packing and dispatch	24	7	52	8,736	24	7	50	8,400	24	7	48	8,064
	plant room	17	7	52	6,188	17	7	50	5,950	17	7	48	5,712
	Public circulation areas	17	7	52	6,188	17	7	50	5,950	17	7	48	5,712
	Reception	17	7	52	6,188	17	7	50	5,950	17	7	48	5,712
	small item stores	17	7	52	6,188	17	7	50	5,950	17	7	48	5,712
	Storage area	17	7	52	6,188	17	7	50	5,950	17	7	48	5,712
	Storage area - chilled	8	7	52	2,912	8	7	50	2,800	8	7	48	2,688
	Storage area - chilled / cold	8	7	52	2,912	8	7	50	2,800	8	7	48	2,688
	Storage area - cold room (<0deg	8	7	52	2,912	8	7	50	2,800	8	7	48	2,688
	store / warehouse	17	7	52	6,188	17	7	50	5,950	17	7	48	5,712
	Tea making	24	7	52	8,736	24	7	50	8,400	24	7	48	8,064
Workshop - small scale	24	7	52	8,736	24	7	50	8,400	24	7	48	8,064	
workshop (general)	24	7	52	8,736	24	7	50	8,400	24	7	48	8,064	
workshop (precision / assembly	24	7	52	8,736	24	7	50	8,400	24	7	48	8,064	
Car park	Office	24	7	52	8,736	14	7	52	5,096	12	5	52	3,120
	plant room	6	7	52	2,184	6	7	52	2,184	6	5	52	1,560
	Public circulation areas	24	7	52	8,736	14	7	52	5,096	12	5	52	3,120
	External pathway	8	7	52	2,912	8	7	52	2,912	8	5	52	2,080
	External covered walkway	8	7	52	2,912	8	7	52	2,912	8	5	52	2,080
	Enclosed car park area	24	7	52	8,736	14	7	52	5,096	12	5	52	3,120
	Toilet	24	7	52	8,736	14	7	52	5,096	12	5	52	3,120
Church	Bathroom/Toilet	12	7	52	4,368	8	7	52	2,912	6	5	52	1,560
	Church / prayer	12	7	52	4,368	8	7	52	2,912	6	5	52	1,560
	Corridors / Stairs	12	7	52	4,368	8	7	52	2,912	6	5	52	1,560
	External covered walkway	12	7	52	4,368	8	7	52	2,912	6	5	52	1,560
	Store	4	7	52	1,456	4	7	52	1,456	4	5	52	1,040
	Meeting rooms	4	7	52	1,456	4	7	52	1,456	4	5	52	1,040
	External open walkway	4	7	52	1,456	4	7	52	1,456	4	5	52	1,040
Multi-dwelling building	Bathroom/Toilet	8	7	52	2,912	8	7	50	2,800	8	7	48	2,688
	Bedroom	6	7	52	2,184	6	7	50	2,100	6	7	48	2,016
	Car Park (enclosed)	24	7	52	8,736	24	7	50	8,400	24	7	48	8,064
	Car Park (outdoors)	8	7	52	2,912	8	7	50	2,800	8	7	48	2,688
	Communal kitchen/dining	10	7	52	3,640	10	7	50	3,500	10	7	48	3,360
	Corridors / Stairs	24	7	52	8,736	24	7	50	8,400	24	7	48	8,064
	External covered walkway	8	7	52	2,912	8	7	50	2,800	8	7	48	2,688
	External pathway	8	7	52	2,912	8	7	50	2,800	8	7	48	2,688
	Food preparation area	13	7	52	4,732	13	7	50	4,550	13	7	48	4,368
	Kitchen/dining	6	7	52	2,184	6	7	50	2,100	6	7	48	2,016
	Laundry	10	7	52	3,640	10	7	50	3,500	10	7	48	3,360
	Living/sitting room	6	7	52	2,184	6	7	50	2,100	6	7	48	2,016
	Office	10	7	52	3,640	10	7	50	3,500	10	7	48	3,360
	Plant room	2	7	52	728	2	7	50	700	2	7	48	672
Reception/concierge	24	7	52	8,736	24	7	50	8,400	24	7	48	8,064	
Storage area	2	7	52	728	2	7	50	700	2	7	48	672	