

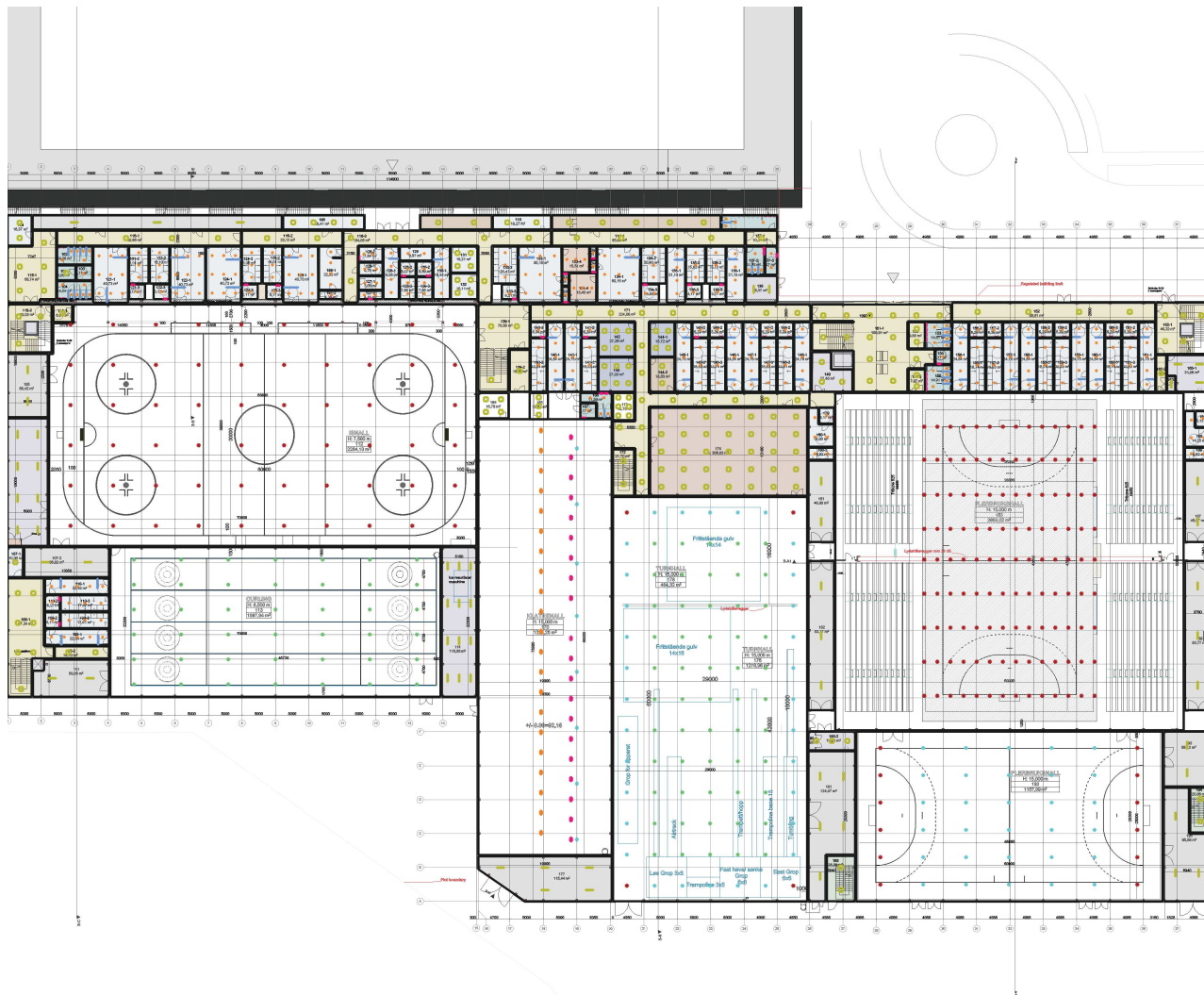


HUGAAS ENGINEERING COMPANY

**Arena Nord – Myrdal
LED LYSKONSEPT**

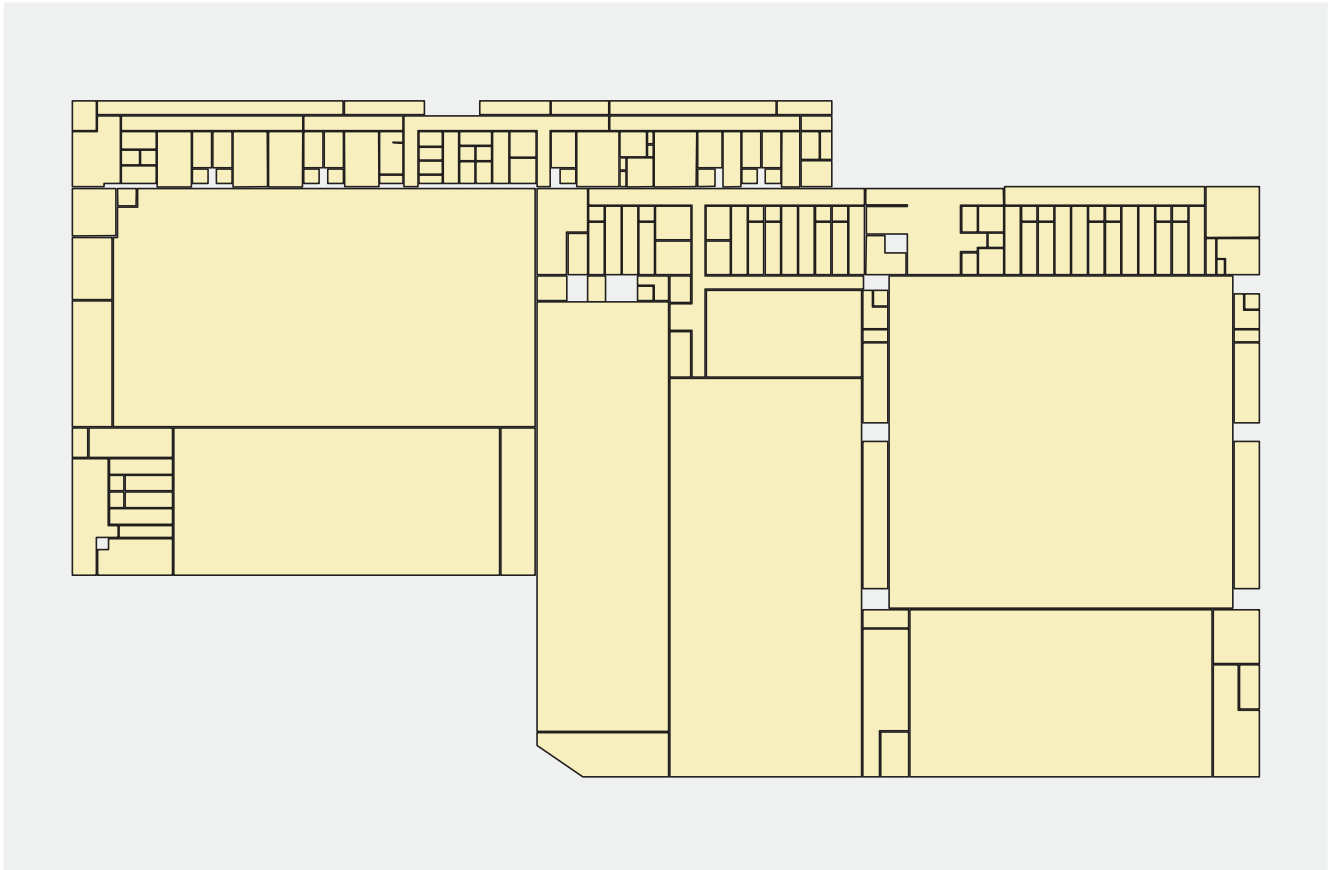
Description, Floor 1

.2 Floor plan



Summary, Floor 1




.3 Floor overview



Number of rooms	166	
Total area	14798 m ²	Calculated
Number of luminaires	1030	
Total luminous flux of all lamps	11494555.4 lm	
Total power	85406.6 W	
Total power per area	5.77 W/m ²	

Parts list

Type No. Make

		LUCKY SSL	
1	193	Order No.	: FK-ML600X600-NW36-R1
		Luminaire name	: 4000K Epistar LED
		Equipment	: 1 x 36 W / 3611 lm
		LUCKY SSL/2017-05-12 Eulumdat/Hopoo	
9	21	Order No.	: !FK-VL200-S01N-FM
		Luminaire name	: FK-VL200-S01N-FM
		Equipment	: 1 x 201 W / 26100 lm
2	60	Order No.	: FK-TL12-NW30-M3.Idt
		Luminaire name	: FK-TL12-NW30-M3
		Equipment	: 1 x Epistar LED 31.2 W / 4430 lm

Object : Myrdal arena 1ETG
 Installation :
 Project number : 20180087
 Date : 08.05.2018



Summary, Floor 1

.3 Floor overview

LUCKY SSL/2017-03-13 Eulumdat/Hopoo
 3 312 Order No. : !FK-DL1700640
 Luminaire name : FK-DL1700640
 Equipment : 1 x Epistar LED 20.3 W / 2035.2 lm

DiLED
 4 55 Order No. : 70 070 000 502
 Luminaire name : Sabrina-9 LED 800
 Equipment : 1 x 9 W / 800 lm

5 64 Order No. : FK-IL/D200W-60/90N-FU4
 Luminaire name : HB UFO G4 200W 60D
 Equipment : 1 x Philips 197 W / 28175 lm

6 97 Order No. : FK-IL/D100W-60/90N-FU4
 Luminaire name : HB UFO G4 100W 60D
 Equipment : 1 x Philips 97 W / 14000 lm

7 40 Order No. : FK-IL/D150W-60/90N-FU4
 Luminaire name : HB UFO G4 150W 60D
 Equipment : 1 x Philips 147 W / 21000 lm

10 126 Order No. : FK-IL/D200W-60/90N-FU4
 Luminaire name : HB UFO G4 200W 60D
 Equipment : 1 x Philips 197 W / 28175 lm

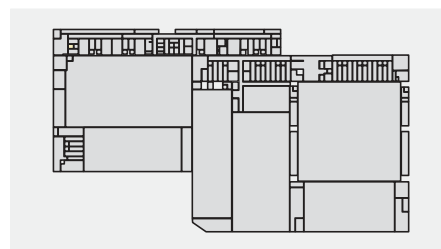
11 12 Order No. : FK-IL/D200W-60/90N-FU4
 Luminaire name : HB UFO G4 200W 60D
 Equipment : 1 x Philips 197 W / 28175 lm

12 30 Order No. : FK-IL/D150W-60/90N-FU4
 Luminaire name : HB UFO G4 150W 60D
 Equipment : 1 x Philips 147 W / 21000 lm

LUCKY SSL/2017-07-11 Eulumdat/Hopoo
 8 20 Order No. : FK-VL300-S03N-FM
 Luminaire name : FK-VL300-S03N-FM
 Equipment : 1 x Philips LED 302.2 W / 39270 lm

Rooms

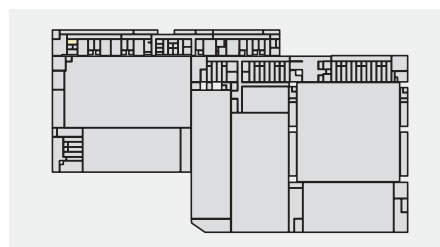
101 1 x Luminaires
 Total luminous flux of all lamps 3611 lm
 Total power 36 W
 Total power per area (6 m²) 5.95 W/m²
 Em 146 lx
 Emin 106 lx
 Emin/Eav (Uo) 0.72
 UGR <=19.8



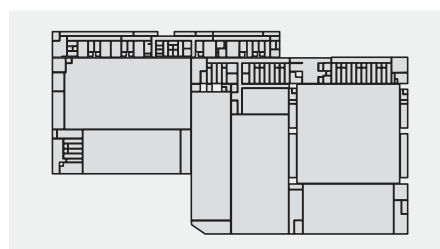
Summary, Floor 1

.3 Floor overview

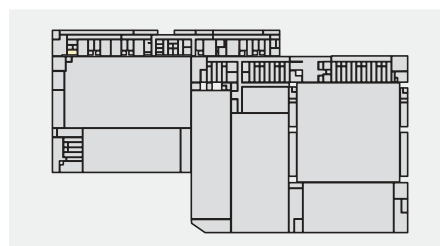
102 8 x Luminaires
 Total luminous flux of all lamps 13811.2002 lm
 Total power 139.8 W
 Total power per area (14 m²) 9.95 W/m²
 Em 219 lx
 Emin 121 lx
 Emin/Eav (Uo) 0.56
 UGR ---



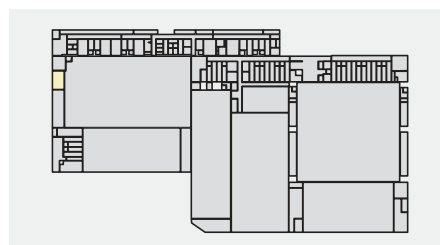
103 1 x Luminaires
 Total luminous flux of all lamps 2035.19995 lm
 Total power 20.3 W
 Total power per area (5 m²) 3.93 W/m²
 Em 208 lx
 Emin 156 lx
 Emin/Eav (Uo) 0.75
 UGR <=24.3



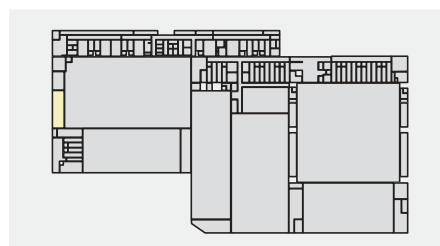
104 8 x Luminaires
 Total luminous flux of all lamps 13811.2002 lm
 Total power 139.8 W
 Total power per area (14 m²) 9.95 W/m²
 Em 235 lx
 Emin 133 lx
 Emin/Eav (Uo) 0.57
 UGR ---



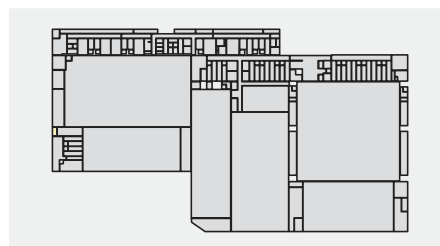
105 2 x Luminaires
 Total luminous flux of all lamps 8860 lm
 Total power 62.4 W
 Total power per area (57 m²) 1.10 W/m²
 Em 126 lx
 Emin 53 lx
 Emin/Eav (Uo) 0.42
 UGR <=26.4



106 8 x Luminaires
 Total luminous flux of all lamps 35440 lm
 Total power 249.6 W
 Total power per area (114 m²) 2.19 W/m²
 Em 201 lx
 Emin 137 lx
 Emin/Eav (Uo) 0.68
 UGR <=25.9



107-1 1 x Luminaires
 Total luminous flux of all lamps 3611 lm
 Total power 36 W
 Total power per area (10 m²) 3.52 W/m²
 Em 212 lx
 Emin 117 lx
 Emin/Eav (Uo) 0.55
 UGR <=18.3

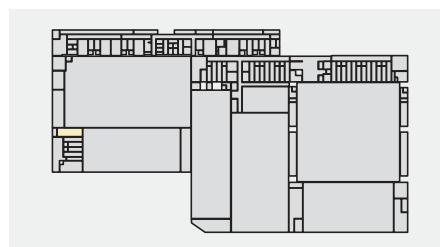


Object : Myrdal arena 1ETG
 Installation :
 Project number : 20180087
 Date : 08.05.2018

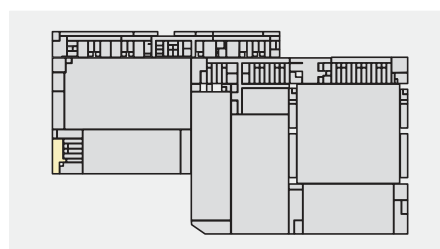
Summary, Floor 1

.3 Floor overview

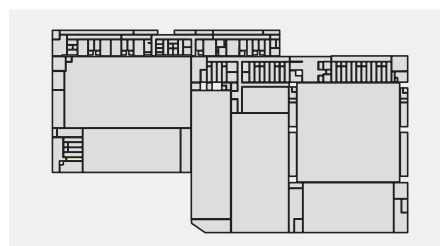
107-2 2 x Luminaires
 Total luminous flux of all lamps 8860 lm
 Total power 62.4 W
 Total power per area (56 m²) 1.11 W/m²
 Em 120 lx
 Emin 37 lx
 Emin/Eav (Uo) 0.31
 UGR <=26.2



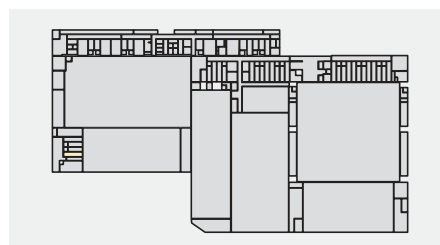
108-1 7 x Luminaires
 Total luminous flux of all lamps 25277 lm
 Total power 252 W
 Total power per area (88 m²) 2.87 W/m²
 Em 219 lx
 Emin 71 lx
 Emin/Eav (Uo) 0.33
 UGR ---



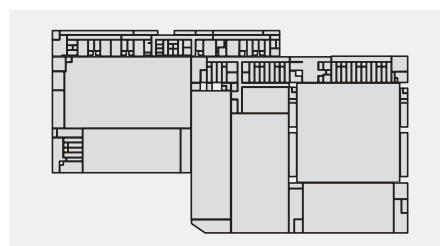
108-2 2 x Luminaires
 Total luminous flux of all lamps 7222 lm
 Total power 72 W
 Total power per area (15 m²) 4.94 W/m²
 Em 164 lx
 Emin 95 lx
 Emin/Eav (Uo) 0.58
 UGR <=19.4



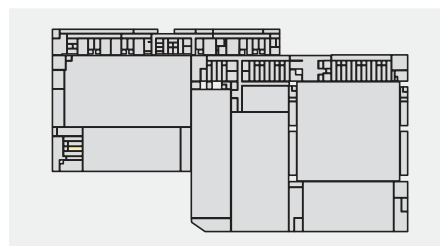
109-1 5 x Luminaires
 Total luminous flux of all lamps 10176 lm
 Total power 101.5 W
 Total power per area (23 m²) 4.50 W/m²
 Em 220 lx
 Emin 3 lx
 Emin/Eav (Uo) 0.01
 UGR <=27.0



109-2 2 x Luminaires
 Total luminous flux of all lamps 2835.19995 lm
 Total power 29.3 W
 Total power per area (5 m²) 5.67 W/m²
 Em 207 lx
 Emin 181 lx
 Emin/Eav (Uo) 0.87
 UGR ---



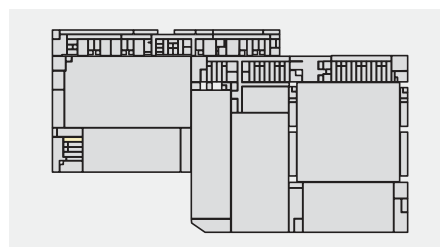
109-3 3 x Luminaires
 Total luminous flux of all lamps 6105.59961 lm
 Total power 60.9 W
 Total power per area (17 m²) 3.60 W/m²
 Em 210 lx
 Emin 166 lx
 Emin/Eav (Uo) 0.79
 UGR <=26.7



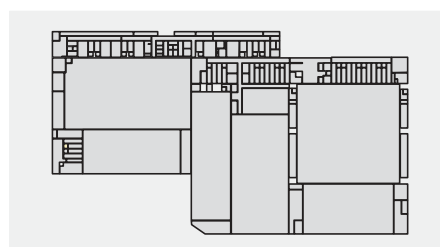
Summary, Floor 1

.3 Floor overview

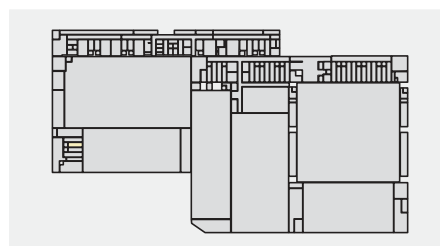
110-1 5 x Luminaires
 Total luminous flux of all lamps 10176 lm
 Total power 101.5 W
 Total power per area (23 m²) 4.50 W/m²
 Em 219 lx
 Emin 22 lx
 Emin/Eav (Uo) 0.10
 UGR <=27.0



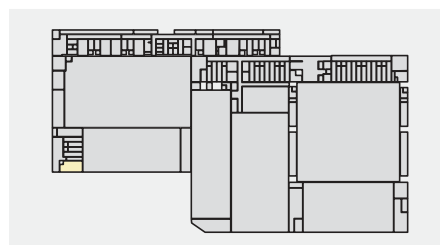
110-2 2 x Luminaires
 Total luminous flux of all lamps 2835.19995 lm
 Total power 29.3 W
 Total power per area (5 m²) 5.67 W/m²
 Em 205 lx
 Emin 164 lx
 Emin/Eav (Uo) 0.80
 UGR ---



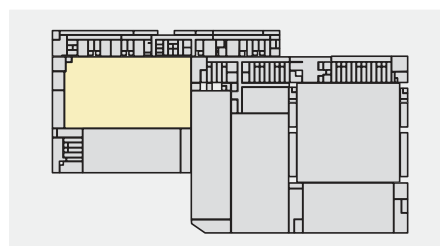
110-3 3 x Luminaires
 Total luminous flux of all lamps 6105.59961 lm
 Total power 60.9 W
 Total power per area (17 m²) 3.60 W/m²
 Em 210 lx
 Emin 166 lx
 Emin/Eav (Uo) 0.79
 UGR <=26.7



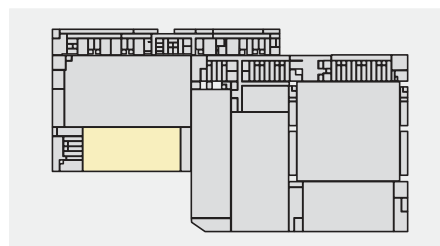
111 2 x Luminaires
 Total luminous flux of all lamps 8860 lm
 Total power 62.4 W
 Total power per area (60 m²) 1.04 W/m²
 Em 118 lx
 Emin 40 lx
 Emin/Eav (Uo) 0.34
 UGR <=26.8



112 60 x Luminaires
 Total luminous flux of all lamps 1690500 lm
 Total power 11820 W
 Total power per area (2284 m²) 5.18 W/m²
 Em 550 lx
 Emin 468 lx
 Emin/Eav (Uo) 0.85
 UGR <=22.7



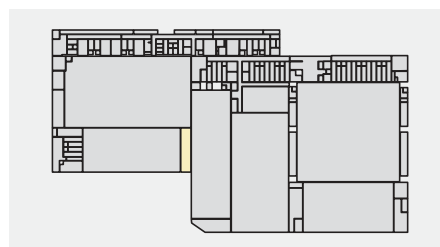
113 42 x Luminaires
 Total luminous flux of all lamps 588000 lm
 Total power 4074 W
 Total power per area (1099 m²) 3.71 W/m²
 Em 381 lx
 Emin 274 lx
 Emin/Eav (Uo) 0.72
 UGR <=20.1



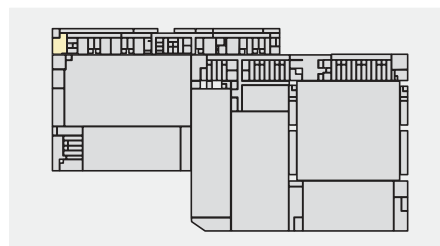
Summary, Floor 1

.3 Floor overview

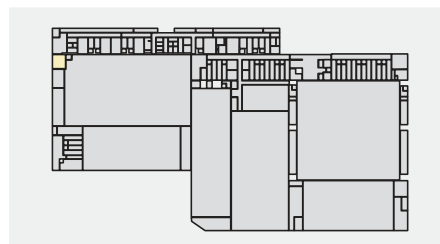
114 12 x Luminaires
 Total luminous flux of all lamps 53160 lm
 Total power 374.4 W
 Total power per area (115 m²) 3.26 W/m²
 Em 319 lx
 Emin 156 lx
 Emin/Eav (Uo) 0.49
 UGR <=27.1



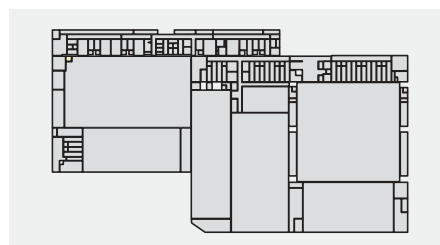
115-1 5 x Luminaires
 Total luminous flux of all lamps 18055 lm
 Total power 180 W
 Total power per area (68 m²) 2.67 W/m²
 Em 202 lx
 Emin 76 lx
 Emin/Eav (Uo) 0.38
 UGR <=20.7



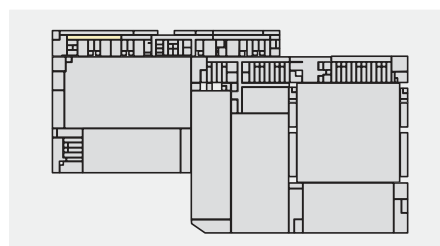
115-2 3 x Luminaires
 Total luminous flux of all lamps 10833 lm
 Total power 108 W
 Total power per area (47 m²) 2.31 W/m²
 Em 158 lx
 Emin 35 lx
 Emin/Eav (Uo) 0.22
 UGR <=20.1



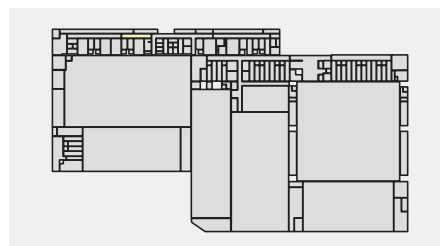
115-3 1 x Luminaires
 Total luminous flux of all lamps 3611 lm
 Total power 36 W
 Total power per area (7 m²) 4.95 W/m²
 Em 132 lx
 Emin 89 lx
 Emin/Eav (Uo) 0.68
 UGR <=16.6



116-1 4 x Luminaires
 Total luminous flux of all lamps 14444 lm
 Total power 144 W
 Total power per area (60 m²) 2.38 W/m²
 Em 119 lx
 Emin 38 lx
 Emin/Eav (Uo) 0.32
 UGR <=19.3



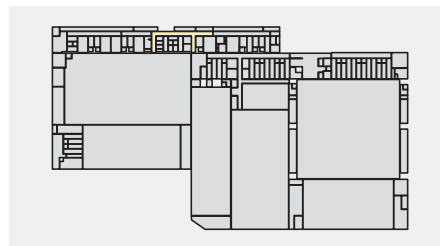
116-2 2 x Luminaires
 Total luminous flux of all lamps 7222 lm
 Total power 72 W
 Total power per area (33 m²) 2.18 W/m²
 Em 118 lx
 Emin 34 lx
 Emin/Eav (Uo) 0.29
 UGR <=19.3



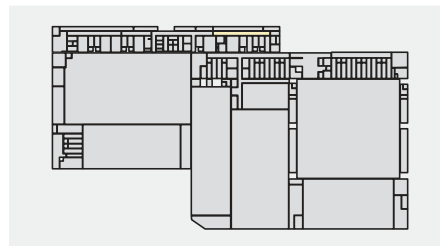
Summary, Floor 1

.3 Floor overview

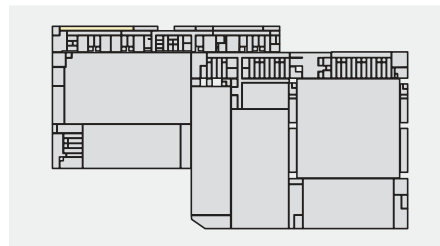
116-3 7 x Luminaires
 Total luminous flux of all lamps 25277 lm
 Total power 252 W
 Total power per area (103 m²) 2.44 W/m²
 Em 132 lx
 Emin 51 lx
 Emin/Eav (Uo) 0.39
 UGR ---



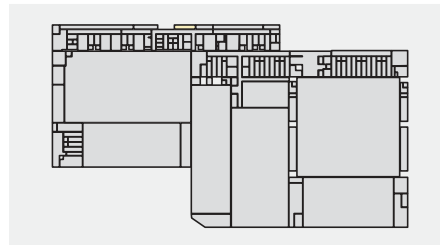
116-4 4 x Luminaires
 Total luminous flux of all lamps 14444 lm
 Total power 144 W
 Total power per area (63 m²) 2.28 W/m²
 Em 122 lx
 Emin 16 lx
 Emin/Eav (Uo) 0.13
 UGR <=19.3



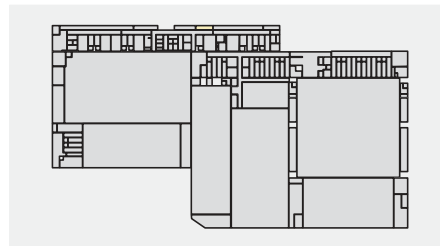
117 3 x Luminaires
 Total luminous flux of all lamps 13290 lm
 Total power 93.6 W
 Total power per area (78 m²) 1.20 W/m²
 Em 109 lx
 Emin 6 lx
 Emin/Eav (Uo) 0.06
 UGR <=26.1



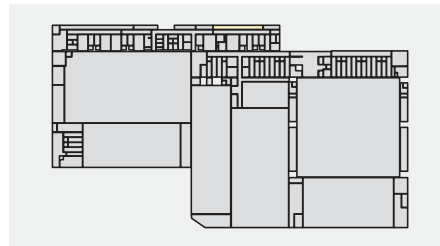
118 2 x Luminaires
 Total luminous flux of all lamps 7222 lm
 Total power 72 W
 Total power per area (22 m²) 3.22 W/m²
 Em 234 lx
 Emin 67 lx
 Emin/Eav (Uo) 0.29
 UGR <=20.4



119 2 x Luminaires
 Total luminous flux of all lamps 7222 lm
 Total power 72 W
 Total power per area (18 m²) 3.94 W/m²
 Em 201 lx
 Emin 127 lx
 Emin/Eav (Uo) 0.63
 UGR <=19.8



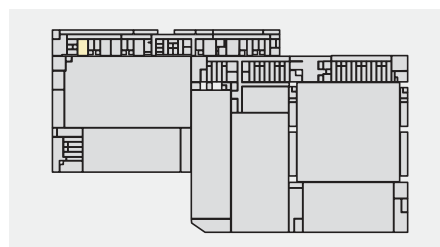
120 5 x Luminaires
 Total luminous flux of all lamps 18055 lm
 Total power 180 W
 Total power per area (53 m²) 3.41 W/m²
 Em 215 lx
 Emin 89 lx
 Emin/Eav (Uo) 0.41
 UGR <=19.9



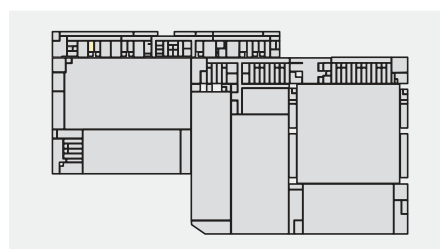
Summary, Floor 1

.3 Floor overview

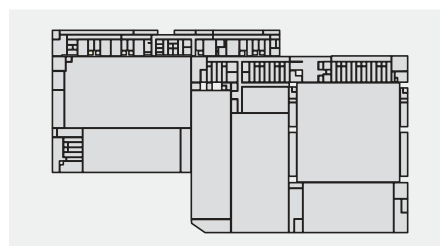
121-1 9 x Luminaires
 Total luminous flux of all lamps 18316.8008 lm
 Total power 182.7 W
 Total power per area (43 m²) 4.20 W/m²
 Em 234 lx
 Emin 61 lx
 Emin/Eav (Uo) 0.26
 UGR <=27.8



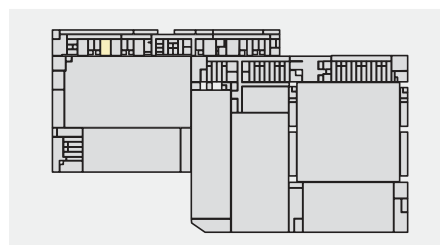
121-2 3 x Luminaires
 Total luminous flux of all lamps 6105.59961 lm
 Total power 60.9 W
 Total power per area (16 m²) 3.82 W/m²
 Em 239 lx
 Emin 181 lx
 Emin/Eav (Uo) 0.76
 UGR <=26.3



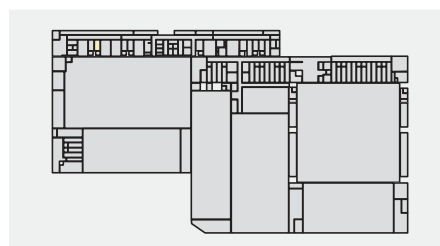
121-3 2 x Luminaires
 Total luminous flux of all lamps 2835.19995 lm
 Total power 29.3 W
 Total power per area (5 m²) 5.67 W/m²
 Em 207 lx
 Emin 180 lx
 Emin/Eav (Uo) 0.87
 UGR ---



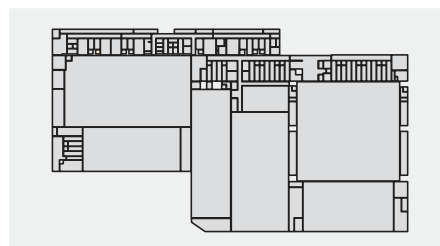
122-1 9 x Luminaires
 Total luminous flux of all lamps 18316.8008 lm
 Total power 182.7 W
 Total power per area (43 m²) 4.20 W/m²
 Em 250 lx
 Emin 19 lx
 Emin/Eav (Uo) 0.08
 UGR <=27.8



122-2 3 x Luminaires
 Total luminous flux of all lamps 6105.59961 lm
 Total power 60.9 W
 Total power per area (16 m²) 3.82 W/m²
 Em 238 lx
 Emin 182 lx
 Emin/Eav (Uo) 0.77
 UGR <=26.3



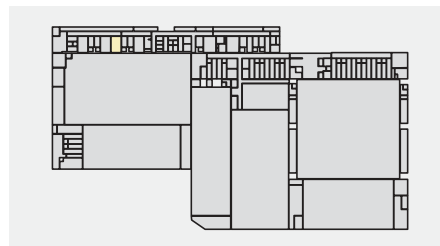
122-3 2 x Luminaires
 Total luminous flux of all lamps 2835.19995 lm
 Total power 29.3 W
 Total power per area (5 m²) 5.67 W/m²
 Em 207 lx
 Emin 186 lx
 Emin/Eav (Uo) 0.90
 UGR ---



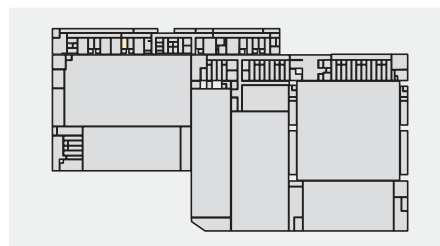
Summary, Floor 1

.3 Floor overview

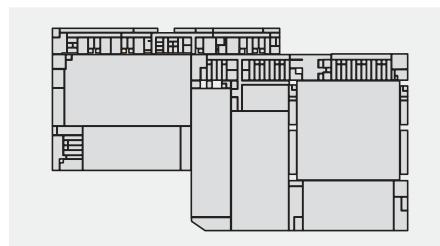
124-1 9 x Luminaires
 Total luminous flux of all lamps 18316.8008 lm
 Total power 182.7 W
 Total power per area (43 m²) 4.21 W/m²
 Em 237 lx
 Emin 113 lx
 Emin/Eav (Uo) 0.48
 UGR <=27.8



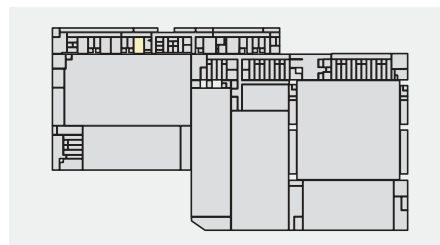
124-2 3 x Luminaires
 Total luminous flux of all lamps 6105.59961 lm
 Total power 60.9 W
 Total power per area (16 m²) 3.82 W/m²
 Em 238 lx
 Emin 182 lx
 Emin/Eav (Uo) 0.77
 UGR <=26.3



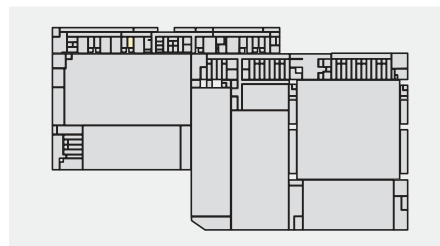
124-3 2 x Luminaires
 Total luminous flux of all lamps 2835.19995 lm
 Total power 29.3 W
 Total power per area (5 m²) 5.67 W/m²
 Em 207 lx
 Emin 181 lx
 Emin/Eav (Uo) 0.87
 UGR ---



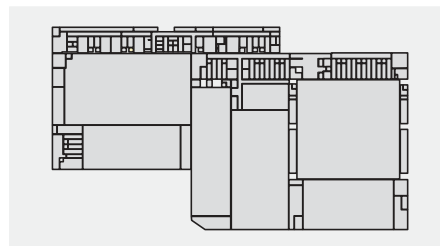
125-1 9 x Luminaires
 Total luminous flux of all lamps 18316.8008 lm
 Total power 182.7 W
 Total power per area (43 m²) 4.21 W/m²
 Em 233 lx
 Emin 59 lx
 Emin/Eav (Uo) 0.25
 UGR <=27.8



125-2 3 x Luminaires
 Total luminous flux of all lamps 6105.59961 lm
 Total power 60.9 W
 Total power per area (16 m²) 3.82 W/m²
 Em 237 lx
 Emin 182 lx
 Emin/Eav (Uo) 0.77
 UGR <=26.3



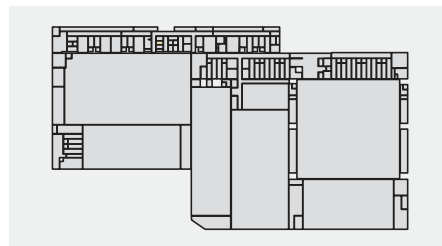
125-3 2 x Luminaires
 Total luminous flux of all lamps 2835.19995 lm
 Total power 29.3 W
 Total power per area (5 m²) 5.67 W/m²
 Em 207 lx
 Emin 181 lx
 Emin/Eav (Uo) 0.87
 UGR ---



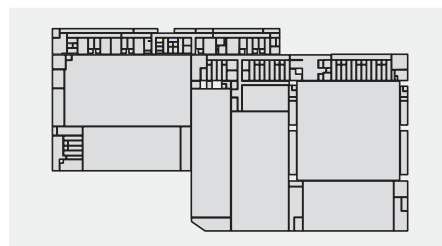
Summary, Floor 1

.3 Floor overview

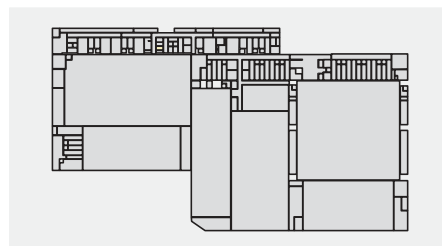
126-1 2 x Luminaires
 Total luminous flux of all lamps 4070.3999 lm
 Total power 40.6 W
 Total power per area (7 m²) 6.06 W/m²
 Em 233 lx
 Emin 171 lx
 Emin/Eav (Uo) 0.73
 UGR <=24.9



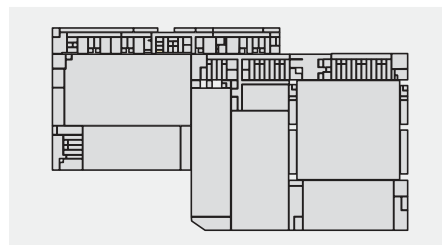
126-2 3 x Luminaires
 Total luminous flux of all lamps 4870.3999 lm
 Total power 49.6 W
 Total power per area (8 m²) 6.25 W/m²
 Em 237 lx
 Emin 118 lx
 Emin/Eav (Uo) 0.50
 UGR ---



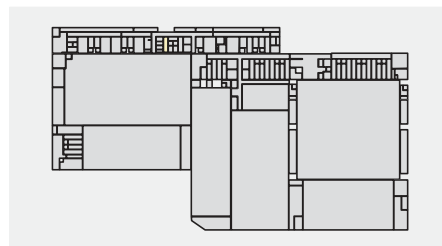
127-1 2 x Luminaires
 Total luminous flux of all lamps 4070.3999 lm
 Total power 40.6 W
 Total power per area (7 m²) 5.76 W/m²
 Em 229 lx
 Emin 167 lx
 Emin/Eav (Uo) 0.73
 UGR <=24.9



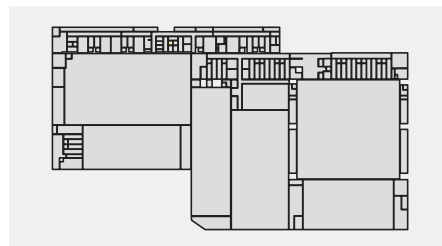
127-2 3 x Luminaires
 Total luminous flux of all lamps 4870.3999 lm
 Total power 49.6 W
 Total power per area (4 m²) 11.25 W/m²
 Em 248 lx
 Emin 157 lx
 Emin/Eav (Uo) 0.63
 UGR ---



128-1 4 x Luminaires
 Total luminous flux of all lamps 8140.7998 lm
 Total power 81.2 W
 Total power per area (18 m²) 4.50 W/m²
 Em 236 lx
 Emin 153 lx
 Emin/Eav (Uo) 0.65
 UGR <=26.8



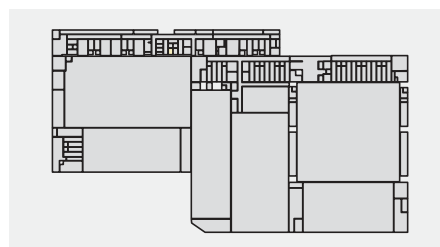
128-2 2 x Luminaires
 Total luminous flux of all lamps 2835.19995 lm
 Total power 29.3 W
 Total power per area (5 m²) 5.67 W/m²
 Em 207 lx
 Emin 181 lx
 Emin/Eav (Uo) 0.87
 UGR ---



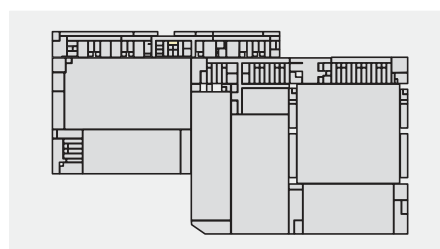
Summary, Floor 1

.3 Floor overview

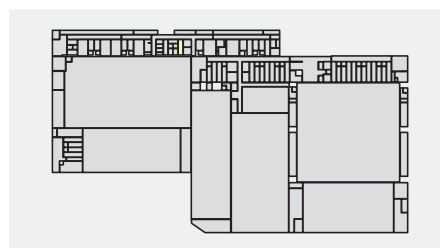
128-3 2 x Luminaires
 Total luminous flux of all lamps 4070.3999 lm
 Total power 40.6 W
 Total power per area (8 m²) 5.27 W/m²
 Em 249 lx
 Emin 205 lx
 Emin/Eav (Uo) 0.82
 UGR <=24.6



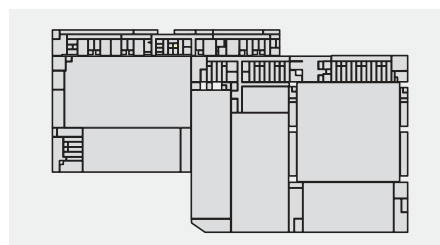
129 2 x Luminaires
 Total luminous flux of all lamps 4070.3999 lm
 Total power 40.6 W
 Total power per area (10 m²) 4.04 W/m²
 Em 210 lx
 Emin 174 lx
 Emin/Eav (Uo) 0.83
 UGR <=26.1



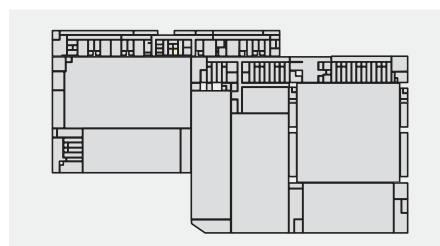
130-1 4 x Luminaires
 Total luminous flux of all lamps 8140.7998 lm
 Total power 81.2 W
 Total power per area (19 m²) 4.18 W/m²
 Em 226 lx
 Emin 99 lx
 Emin/Eav (Uo) 0.44
 UGR <=26.8



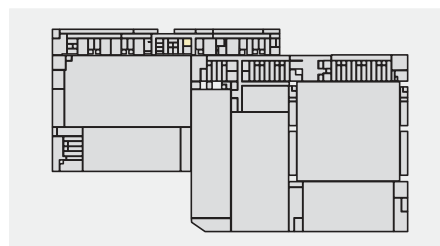
130-2 2 x Luminaires
 Total luminous flux of all lamps 2835.19995 lm
 Total power 29.3 W
 Total power per area (5 m²) 5.73 W/m²
 Em 207 lx
 Emin 186 lx
 Emin/Eav (Uo) 0.90
 UGR ---



130-3 2 x Luminaires
 Total luminous flux of all lamps 4070.3999 lm
 Total power 40.6 W
 Total power per area (8 m²) 5.27 W/m²
 Em 249 lx
 Emin 205 lx
 Emin/Eav (Uo) 0.82
 UGR <=24.6



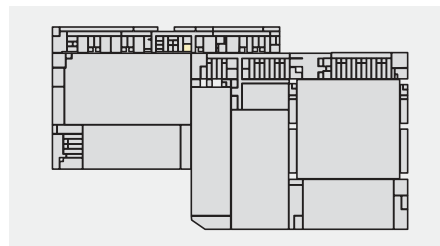
131 4 x Luminaires
 Total luminous flux of all lamps 14444 lm
 Total power 144 W
 Total power per area (15 m²) 9.41 W/m²
 Em 534 lx
 Emin 468 lx
 Emin/Eav (Uo) 0.87
 UGR <=17.7



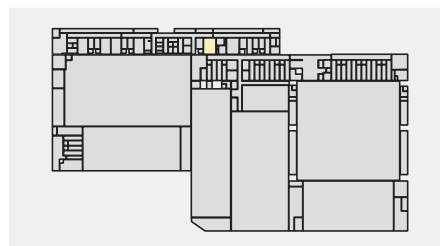
Summary, Floor 1

.3 Floor overview

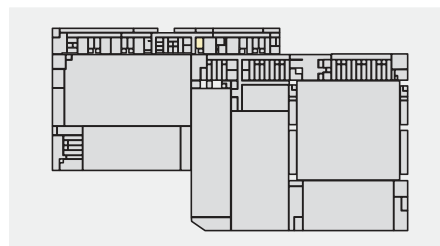
132 4 x Luminaires
 Total luminous flux of all lamps 14444 lm
 Total power 144 W
 Total power per area (15 m²) 9.53 W/m²
 Em 544 lx
 Emin 476 lx
 Emin/Eav (Uo) 0.87
 UGR <=17.7



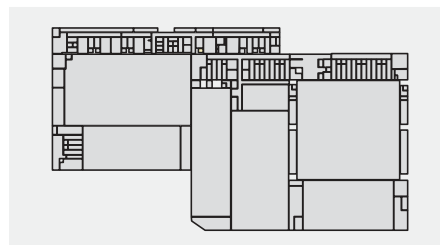
133-1 9 x Luminaires
 Total luminous flux of all lamps 18316.8008 lm
 Total power 182.7 W
 Total power per area (53 m²) 3.42 W/m²
 Em 231 lx
 Emin 44 lx
 Emin/Eav (Uo) 0.19
 UGR <=28.0



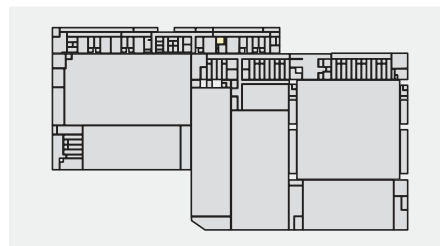
133-2 3 x Luminaires
 Total luminous flux of all lamps 6105.59961 lm
 Total power 60.9 W
 Total power per area (20 m²) 2.99 W/m²
 Em 210 lx
 Emin 151 lx
 Emin/Eav (Uo) 0.72
 UGR <=26.3



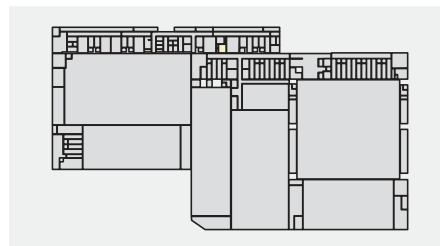
133-3 2 x Luminaires
 Total luminous flux of all lamps 2835.19995 lm
 Total power 29.3 W
 Total power per area (5 m²) 5.67 W/m²
 Em 202 lx
 Emin 163 lx
 Emin/Eav (Uo) 0.81
 UGR ---



133-4 3 x Luminaires
 Total luminous flux of all lamps 6105.59961 lm
 Total power 60.9 W
 Total power per area (15 m²) 3.95 W/m²
 Em 244 lx
 Emin 148 lx
 Emin/Eav (Uo) 0.61
 UGR <=25.4



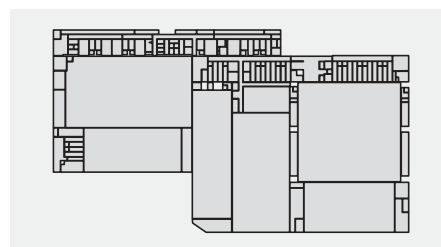
134-4 3 x Luminaires
 Total luminous flux of all lamps 6105.59961 lm
 Total power 60.9 W
 Total power per area (17 m²) 3.52 W/m²
 Em 241 lx
 Emin 143 lx
 Emin/Eav (Uo) 0.59
 UGR <=26.3



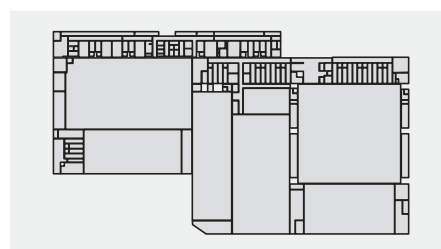
Summary, Floor 1

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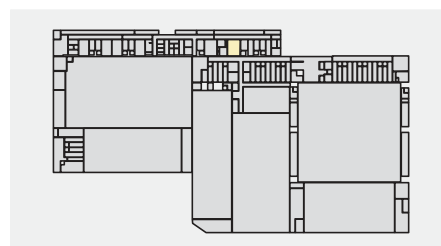
133-5 2 x Luminaires
 Total luminous flux of all lamps 2835.19995 lm
 Total power 29.3 W
 Total power per area (2 m²) 17.84 W/m²
 Em 234 lx
 Emin 174 lx
 Emin/Eav (Uo) 0.74
 UGR ---



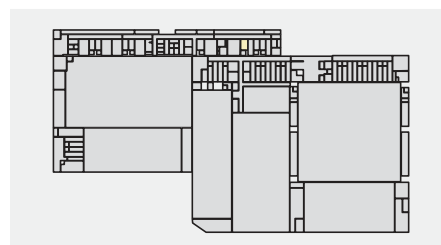
133-6 2 x Luminaires
 Total luminous flux of all lamps 2835.19995 lm
 Total power 29.3 W
 Total power per area (2 m²) 14.00 W/m²
 Em 212 lx
 Emin 142 lx
 Emin/Eav (Uo) 0.67
 UGR ---



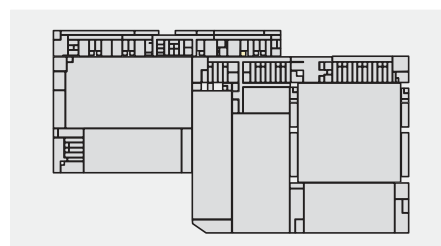
134-1 9 x Luminaires
 Total luminous flux of all lamps 18316.8008 lm
 Total power 182.7 W
 Total power per area (53 m²) 3.43 W/m²
 Em 230 lx
 Emin 22 lx
 Emin/Eav (Uo) 0.10
 UGR <=28.0



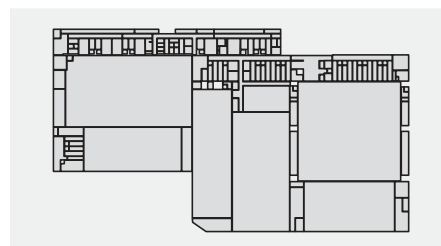
134-2 3 x Luminaires
 Total luminous flux of all lamps 6105.59961 lm
 Total power 60.9 W
 Total power per area (20 m²) 2.99 W/m²
 Em 210 lx
 Emin 151 lx
 Emin/Eav (Uo) 0.72
 UGR <=26.3



134-3 3 x Luminaires
 Total luminous flux of all lamps 4870.3999 lm
 Total power 49.6 W
 Total power per area (7 m²) 7.04 W/m²
 Em 227 lx
 Emin 150 lx
 Emin/Eav (Uo) 0.66
 UGR ---



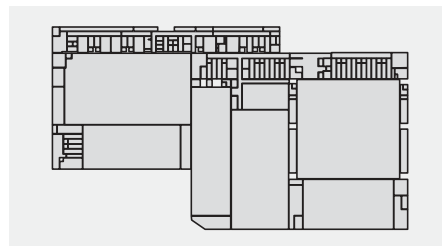
134-5 2 x Luminaires
 Total luminous flux of all lamps 2835.19995 lm
 Total power 29.3 W
 Total power per area (2 m²) 17.84 W/m²
 Em 234 lx
 Emin 178 lx
 Emin/Eav (Uo) 0.76
 UGR ---



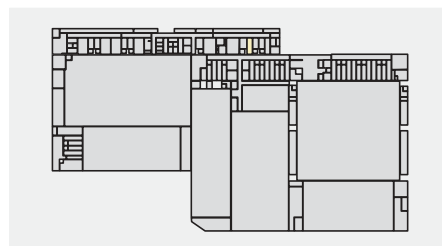
Summary, Floor 1

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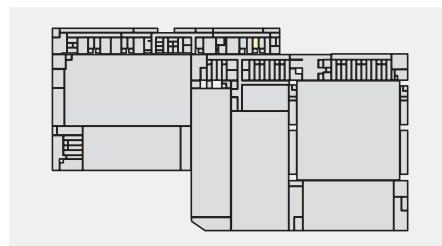
134-6 2 x Luminaires
 Total luminous flux of all lamps 2835.19995 lm
 Total power 29.3 W
 Total power per area (2 m²) 17.84 W/m²
 Em 234 lx
 Emin 178 lx
 Emin/Eav (Uo) 0.76
 UGR ---



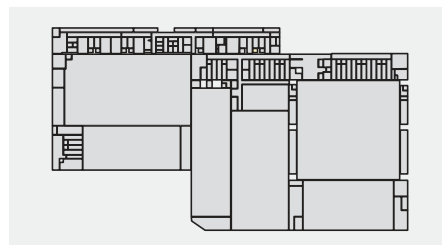
135-1 4 x Luminaires
 Total luminous flux of all lamps 8140.7998 lm
 Total power 81.2 W
 Total power per area (23 m²) 3.57 W/m²
 Em 207 lx
 Emin 77 lx
 Emin/Eav (Uo) 0.37
 UGR <=26.9



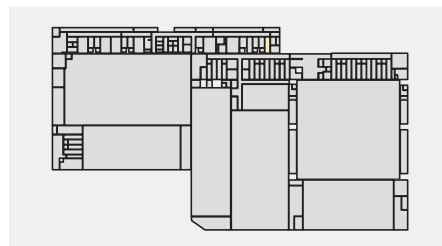
135-2 3 x Luminaires
 Total luminous flux of all lamps 6105.59961 lm
 Total power 60.9 W
 Total power per area (16 m²) 3.89 W/m²
 Em 241 lx
 Emin 183 lx
 Emin/Eav (Uo) 0.76
 UGR <=26.3



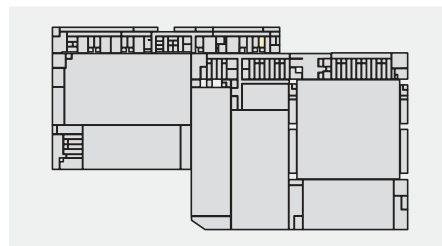
135-3 2 x Luminaires
 Total luminous flux of all lamps 2835.19995 lm
 Total power 29.3 W
 Total power per area (5 m²) 5.67 W/m²
 Em 206 lx
 Emin 173 lx
 Emin/Eav (Uo) 0.84
 UGR ---



136-1 4 x Luminaires
 Total luminous flux of all lamps 8140.7998 lm
 Total power 81.2 W
 Total power per area (23 m²) 3.56 W/m²
 Em 209 lx
 Emin 36 lx
 Emin/Eav (Uo) 0.17
 UGR <=26.9



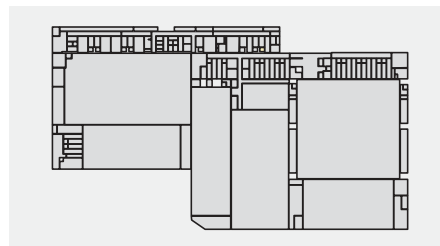
136-2 3 x Luminaires
 Total luminous flux of all lamps 6105.59961 lm
 Total power 60.9 W
 Total power per area (16 m²) 3.89 W/m²
 Em 241 lx
 Emin 183 lx
 Emin/Eav (Uo) 0.76
 UGR <=26.3



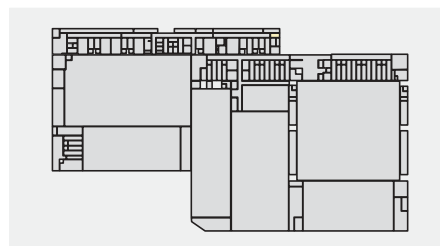
Summary, Floor 1

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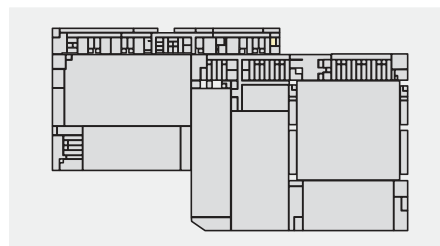
136-3 2 x Luminaires
 Total luminous flux of all lamps 2835.19995 lm
 Total power 29.3 W
 Total power per area (5 m²) 5.67 W/m²
 Em 208 lx
 Emin 186 lx
 Emin/Eav (Uo) 0.89
 UGR ---



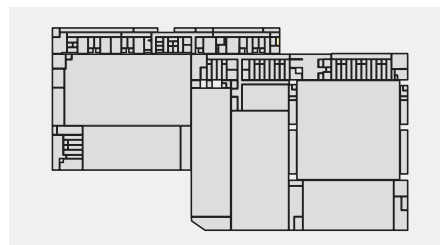
137-1 1 x Luminaires
 Total luminous flux of all lamps 3611 lm
 Total power 36 W
 Total power per area (10 m²) 3.52 W/m²
 Em 146 lx
 Emin 66 lx
 Emin/Eav (Uo) 0.45
 UGR <=17.6



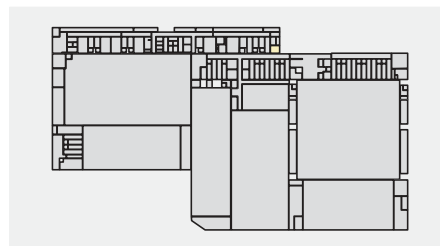
137-2 6 x Luminaires
 Total luminous flux of all lamps 9740.7998 lm
 Total power 99.2 W
 Total power per area (12 m²) 8.59 W/m²
 Em 242 lx
 Emin 199 lx
 Emin/Eav (Uo) 0.82
 UGR ---



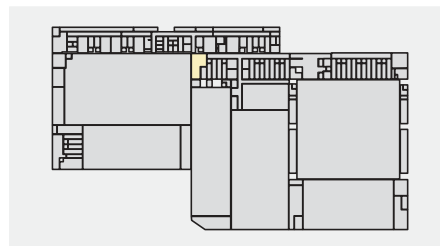
137-3 3 x Luminaires
 Total luminous flux of all lamps 4870.3999 lm
 Total power 49.6 W
 Total power per area (7 m²) 6.75 W/m²
 Em 243 lx
 Emin 181 lx
 Emin/Eav (Uo) 0.74
 UGR ---



138 2 x Luminaires
 Total luminous flux of all lamps 8860 lm
 Total power 62.4 W
 Total power per area (18 m²) 3.40 W/m²
 Em 239 lx
 Emin 136 lx
 Emin/Eav (Uo) 0.57
 UGR <=23.8



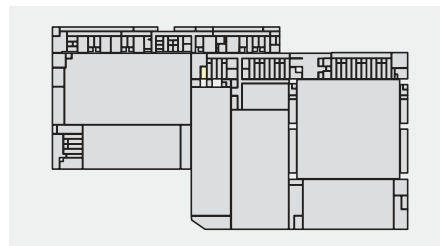
139-1 3 x Luminaires
 Total luminous flux of all lamps 10833 lm
 Total power 108 W
 Total power per area (79 m²) 1.37 W/m²
 Em 107 lx
 Emin 33 lx
 Emin/Eav (Uo) 0.31
 UGR <=20.9



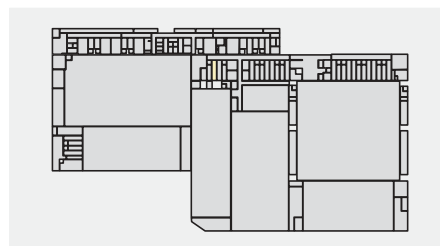
Summary, Floor 1

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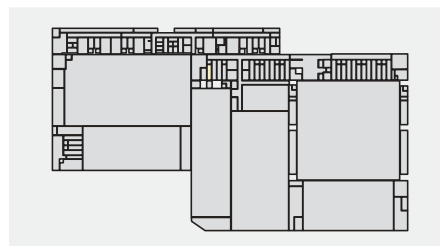
139-2 1 x Luminaires
 Total luminous flux of all lamps 3611 lm
 Total power 36 W
 Total power per area (18 m²) 1.96 W/m²
 Em 127 lx
 Emin 51 lx
 Emin/Eav (Uo) 0.40
 UGR <=18.6



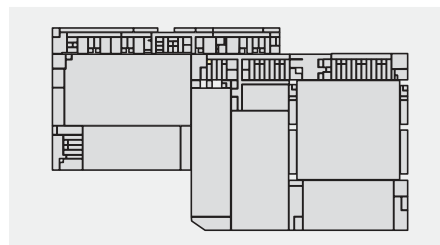
140-1 5 x Luminaires
 Total luminous flux of all lamps 10176 lm
 Total power 101.5 W
 Total power per area (25 m²) 4.09 W/m²
 Em 215 lx
 Emin 112 lx
 Emin/Eav (Uo) 0.52
 UGR <=27.0



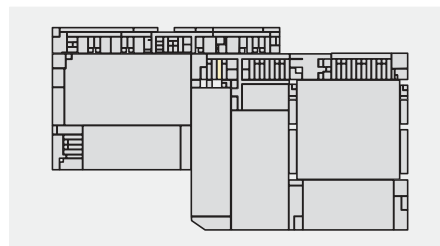
140-2 3 x Luminaires
 Total luminous flux of all lamps 6105.59961 lm
 Total power 60.9 W
 Total power per area (19 m²) 3.22 W/m²
 Em 202 lx
 Emin 157 lx
 Emin/Eav (Uo) 0.78
 UGR <=26.8



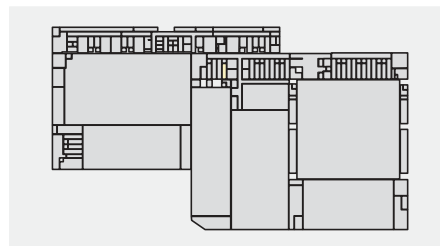
140-3 2 x Luminaires
 Total luminous flux of all lamps 2835.19995 lm
 Total power 29.3 W
 Total power per area (5 m²) 5.48 W/m²
 Em 204 lx
 Emin 182 lx
 Emin/Eav (Uo) 0.89
 UGR ---



141-1 5 x Luminaires
 Total luminous flux of all lamps 10176 lm
 Total power 101.5 W
 Total power per area (25 m²) 4.09 W/m²
 Em 214 lx
 Emin 106 lx
 Emin/Eav (Uo) 0.49
 UGR <=27.0



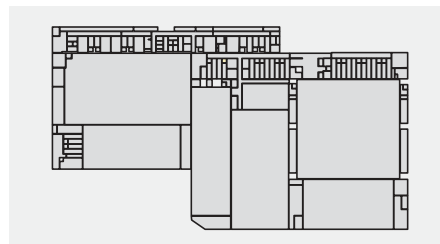
141-2 3 x Luminaires
 Total luminous flux of all lamps 6105.59961 lm
 Total power 60.9 W
 Total power per area (19 m²) 3.23 W/m²
 Em 203 lx
 Emin 159 lx
 Emin/Eav (Uo) 0.78
 UGR <=26.8



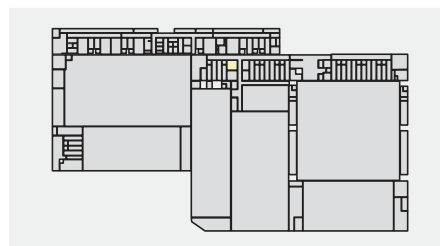
Summary, Floor 1

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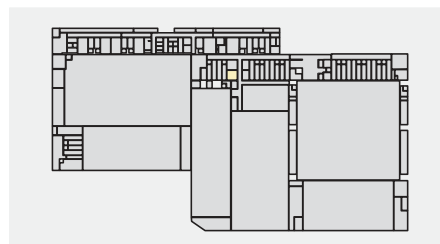
141-3 2 x Luminaires
 Total luminous flux of all lamps 2835.19995 lm
 Total power 29.3 W
 Total power per area (5 m²) 5.48 W/m²
 Em 204 lx
 Emin 176 lx
 Emin/Eav (Uo) 0.86
 UGR ---



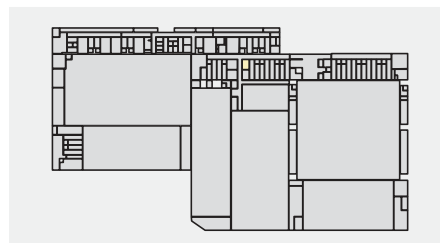
142 6 x Luminaires
 Total luminous flux of all lamps 21666 lm
 Total power 216 W
 Total power per area (27 m²) 7.92 W/m²
 Em 506 lx
 Emin 427 lx
 Emin/Eav (Uo) 0.84
 UGR <=19.5



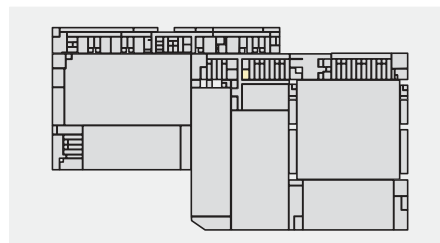
143 6 x Luminaires
 Total luminous flux of all lamps 21666 lm
 Total power 216 W
 Total power per area (27 m²) 7.92 W/m²
 Em 506 lx
 Emin 427 lx
 Emin/Eav (Uo) 0.84
 UGR <=19.5



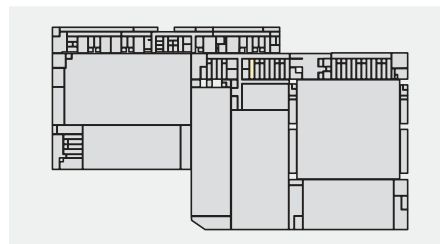
144-1 4 x Luminaires
 Total luminous flux of all lamps 14444 lm
 Total power 144 W
 Total power per area (19 m²) 7.69 W/m²
 Em 505 lx
 Emin 453 lx
 Emin/Eav (Uo) 0.90
 UGR <=18.6



144-2 2 x Luminaires
 Total luminous flux of all lamps 7222 lm
 Total power 72 W
 Total power per area (19 m²) 3.85 W/m²
 Em 252 lx
 Emin 192 lx
 Emin/Eav (Uo) 0.76
 UGR <=18.5



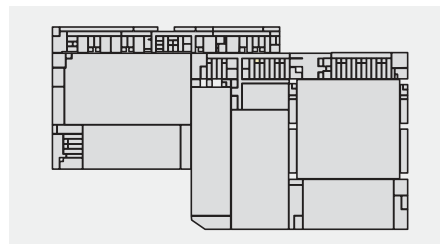
145-1 5 x Luminaires
 Total luminous flux of all lamps 10176 lm
 Total power 101.5 W
 Total power per area (25 m²) 4.09 W/m²
 Em 213 lx
 Emin 113 lx
 Emin/Eav (Uo) 0.53
 UGR <=27.0



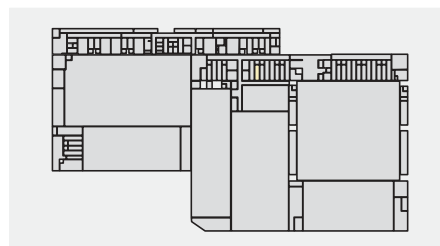
Summary, Floor 1

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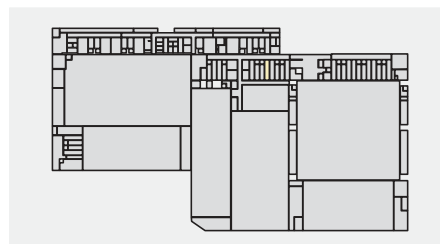
145-2 2 x Luminaires
 Total luminous flux of all lamps 2835.19995 lm
 Total power 29.3 W
 Total power per area (5 m²) 5.54 W/m²
 Em 206 lx
 Emin 178 lx
 Emin/Eav (Uo) 0.87
 UGR ---



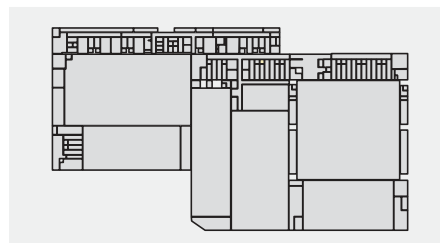
145-3 3 x Luminaires
 Total luminous flux of all lamps 6105.59961 lm
 Total power 60.9 W
 Total power per area (19 m²) 3.26 W/m²
 Em 203 lx
 Emin 159 lx
 Emin/Eav (Uo) 0.78
 UGR <=26.8



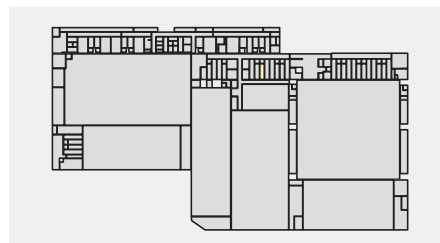
146-1 5 x Luminaires
 Total luminous flux of all lamps 10176 lm
 Total power 101.5 W
 Total power per area (25 m²) 4.09 W/m²
 Em 215 lx
 Emin 105 lx
 Emin/Eav (Uo) 0.49
 UGR <=27.0



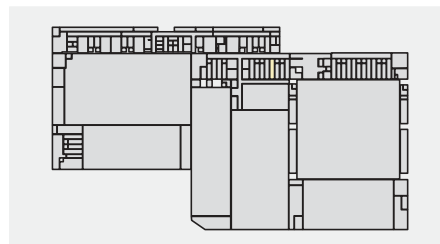
146-2 2 x Luminaires
 Total luminous flux of all lamps 2835.19995 lm
 Total power 29.3 W
 Total power per area (5 m²) 5.54 W/m²
 Em 213 lx
 Emin 187 lx
 Emin/Eav (Uo) 0.88
 UGR ---



146-3 3 x Luminaires
 Total luminous flux of all lamps 6105.59961 lm
 Total power 60.9 W
 Total power per area (19 m²) 3.26 W/m²
 Em 202 lx
 Emin 158 lx
 Emin/Eav (Uo) 0.79
 UGR <=26.8



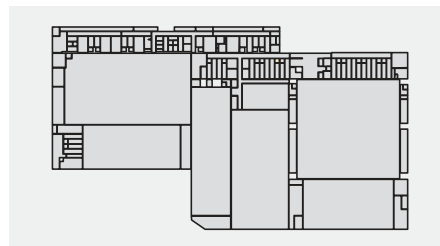
147-1 5 x Luminaires
 Total luminous flux of all lamps 10176 lm
 Total power 101.5 W
 Total power per area (25 m²) 4.09 W/m²
 Em 213 lx
 Emin 107 lx
 Emin/Eav (Uo) 0.50
 UGR <=27.0



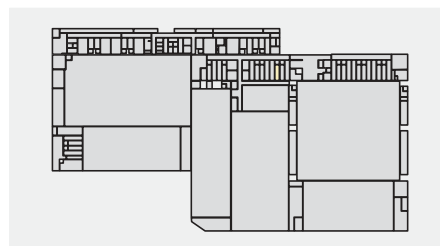
Summary, Floor 1

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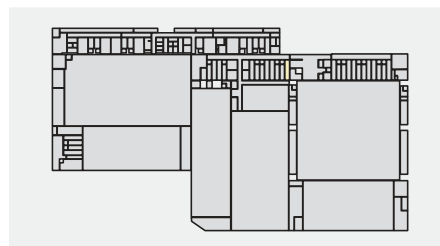
147-2 2 x Luminaires
 Total luminous flux of all lamps 2835.19995 lm
 Total power 29.3 W
 Total power per area (5 m²) 5.54 W/m²
 Em 213 lx
 Emin 184 lx
 Emin/Eav (Uo) 0.87
 UGR ---



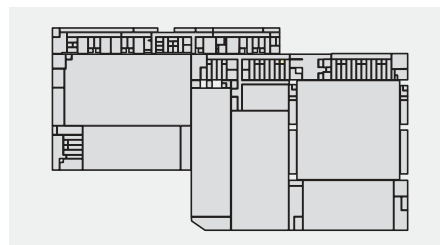
147-3 3 x Luminaires
 Total luminous flux of all lamps 6105.59961 lm
 Total power 60.9 W
 Total power per area (19 m²) 3.26 W/m²
 Em 201 lx
 Emin 158 lx
 Emin/Eav (Uo) 0.79
 UGR <=26.8



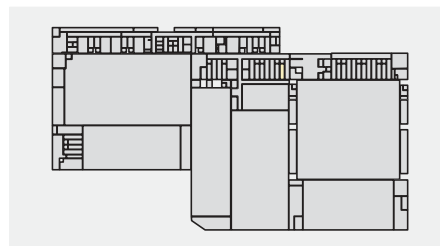
148-1 5 x Luminaires
 Total luminous flux of all lamps 10176 lm
 Total power 101.5 W
 Total power per area (25 m²) 4.09 W/m²
 Em 215 lx
 Emin 106 lx
 Emin/Eav (Uo) 0.49
 UGR <=27.0



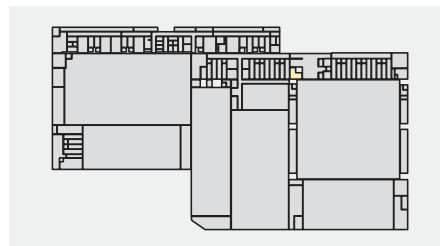
148-2 2 x Luminaires
 Total luminous flux of all lamps 2835.19995 lm
 Total power 29.3 W
 Total power per area (5 m²) 5.54 W/m²
 Em 212 lx
 Emin 190 lx
 Emin/Eav (Uo) 0.89
 UGR ---



148-3 3 x Luminaires
 Total luminous flux of all lamps 6105.59961 lm
 Total power 60.9 W
 Total power per area (19 m²) 3.26 W/m²
 Em 202 lx
 Emin 158 lx
 Emin/Eav (Uo) 0.79
 UGR <=26.8



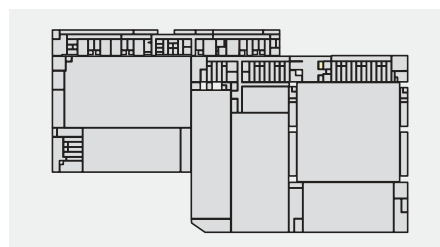
149 3 x Luminaires
 Total luminous flux of all lamps 10833 lm
 Total power 108 W
 Total power per area (27 m²) 3.95 W/m²
 Em 239 lx
 Emin 158 lx
 Emin/Eav (Uo) 0.66
 UGR <=19.5



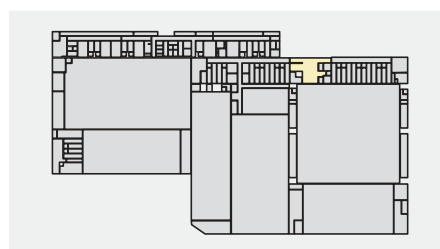
Summary, Floor 1

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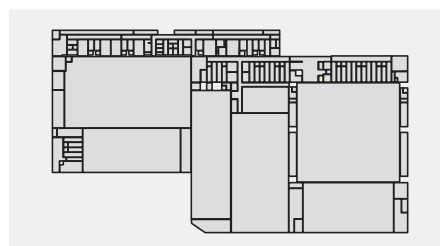
150 2 x Luminaires
 Total luminous flux of all lamps 7222 lm
 Total power 72 W
 Total power per area (9 m²) 7.69 W/m²
 Em 316 lx
 Emin 220 lx
 Emin/Eav (Uo) 0.70
 UGR <=16.9



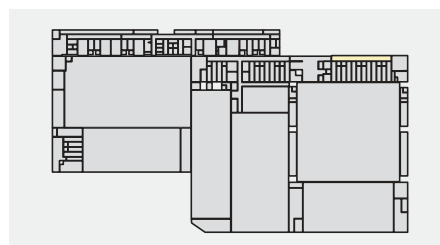
151-1 15 x Luminaires
 Total luminous flux of all lamps 54165 lm
 Total power 540 W
 Total power per area (172 m²) 3.13 W/m²
 Em 239 lx
 Emin 198 lx
 Emin/Eav (Uo) 0.83
 UGR ---



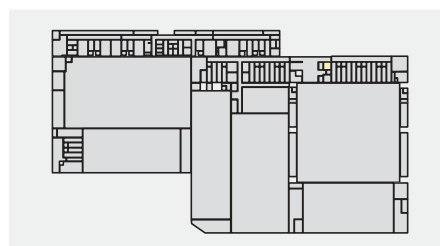
151-2 2 x Luminaires
 Total luminous flux of all lamps 7222 lm
 Total power 72 W
 Total power per area (8 m²) 9.09 W/m²
 Em 332 lx
 Emin 246 lx
 Emin/Eav (Uo) 0.74
 UGR <=16.6



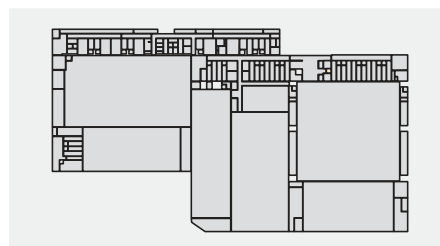
152 4 x Luminaires
 Total luminous flux of all lamps 14444 lm
 Total power 144 W
 Total power per area (85 m²) 1.70 W/m²
 Em 100 lx
 Emin 28 lx
 Emin/Eav (Uo) 0.28
 UGR <=19.5



153 10 x Luminaires
 Total luminous flux of all lamps 15411.2002 lm
 Total power 157.8 W
 Total power per area (15 m²) 10.66 W/m²
 Em 266 lx
 Emin 0.0 lx
 Emin/Eav (Uo) 0.00
 UGR ---



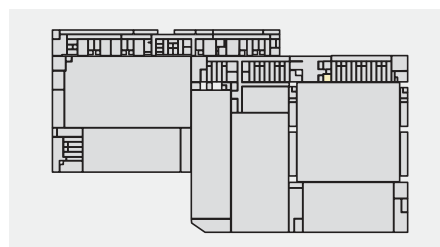
154 2 x Luminaires
 Total luminous flux of all lamps 2835.19995 lm
 Total power 29.3 W
 Total power per area (5 m²) 5.67 W/m²
 Em 238 lx
 Emin 200 lx
 Emin/Eav (Uo) 0.84
 UGR ---



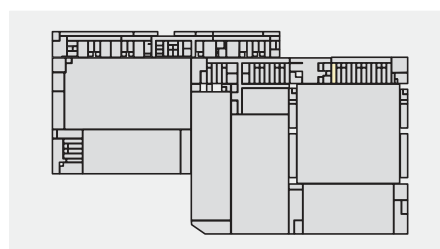
Summary, Floor 1

.3 Floor overview

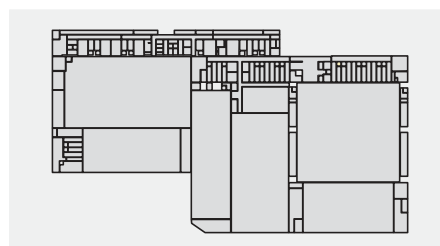
155 9 x Luminaires
 Total luminous flux of all lamps 13376 lm
 Total power 137.5 W
 Total power per area (15 m²) 9.17 W/m²
 Em 240 lx
 Emin 67 lx
 Emin/Eav (Uo) 0.28
 UGR ---



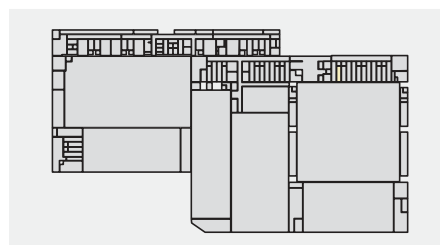
156-1 5 x Luminaires
 Total luminous flux of all lamps 10176 lm
 Total power 101.5 W
 Total power per area (25 m²) 4.09 W/m²
 Em 213 lx
 Emin 104 lx
 Emin/Eav (Uo) 0.49
 UGR <=27.0



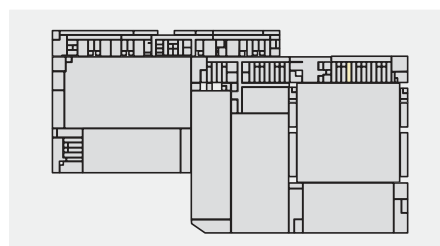
156-2 2 x Luminaires
 Total luminous flux of all lamps 2835.19995 lm
 Total power 29.3 W
 Total power per area (5 m²) 5.54 W/m²
 Em 211 lx
 Emin 178 lx
 Emin/Eav (Uo) 0.84
 UGR ---



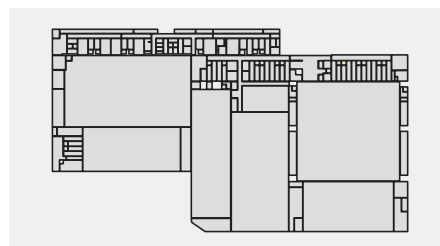
156-3 3 x Luminaires
 Total luminous flux of all lamps 6105.59961 lm
 Total power 60.9 W
 Total power per area (19 m²) 3.26 W/m²
 Em 202 lx
 Emin 158 lx
 Emin/Eav (Uo) 0.79
 UGR <=26.8



157-1 5 x Luminaires
 Total luminous flux of all lamps 10176 lm
 Total power 101.5 W
 Total power per area (25 m²) 4.09 W/m²
 Em 212 lx
 Emin 100 lx
 Emin/Eav (Uo) 0.47
 UGR <=27.0



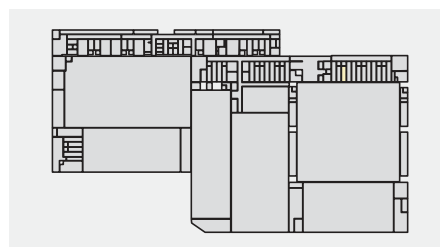
157-2 2 x Luminaires
 Total luminous flux of all lamps 2835.19995 lm
 Total power 29.3 W
 Total power per area (5 m²) 5.54 W/m²
 Em 213 lx
 Emin 187 lx
 Emin/Eav (Uo) 0.88
 UGR ---



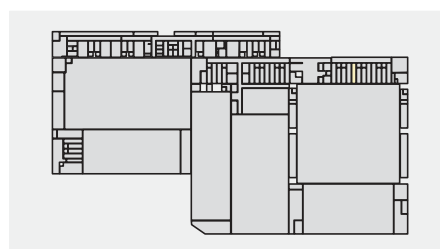
Summary, Floor 1

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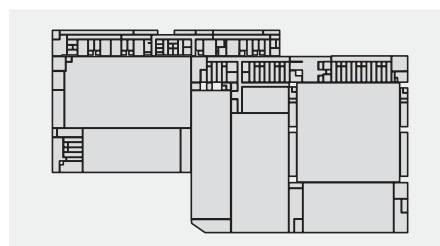
157-3 3 x Luminaires
 Total luminous flux of all lamps 6105.59961 lm
 Total power 60.9 W
 Total power per area (19 m²) 3.26 W/m²
 Em 202 lx
 Emin 158 lx
 Emin/Eav (Uo) 0.79
 UGR <=26.8



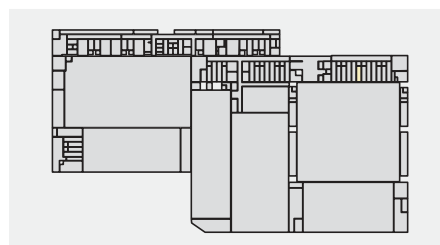
158-1 5 x Luminaires
 Total luminous flux of all lamps 10176 lm
 Total power 101.5 W
 Total power per area (25 m²) 4.09 W/m²
 Em 213 lx
 Emin 113 lx
 Emin/Eav (Uo) 0.53
 UGR <=27.0



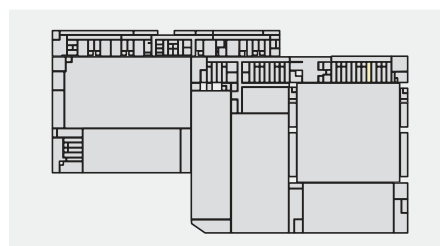
158-2 2 x Luminaires
 Total luminous flux of all lamps 2835.19995 lm
 Total power 29.3 W
 Total power per area (5 m²) 5.54 W/m²
 Em 211 lx
 Emin 178 lx
 Emin/Eav (Uo) 0.84
 UGR ---



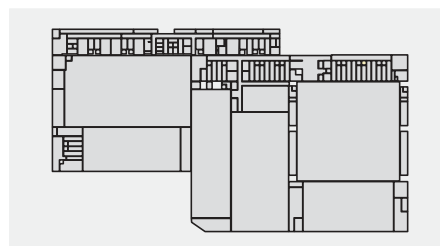
158-3 3 x Luminaires
 Total luminous flux of all lamps 6105.59961 lm
 Total power 60.9 W
 Total power per area (19 m²) 3.26 W/m²
 Em 202 lx
 Emin 158 lx
 Emin/Eav (Uo) 0.79
 UGR <=26.8



159-1 5 x Luminaires
 Total luminous flux of all lamps 10176 lm
 Total power 101.5 W
 Total power per area (25 m²) 4.09 W/m²
 Em 214 lx
 Emin 95 lx
 Emin/Eav (Uo) 0.44
 UGR <=27.0



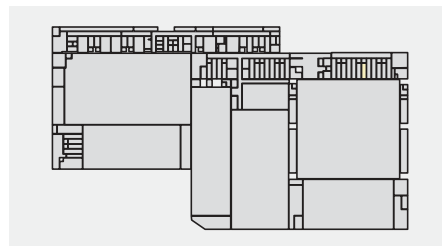
159-2 2 x Luminaires
 Total luminous flux of all lamps 2835.19995 lm
 Total power 29.3 W
 Total power per area (5 m²) 5.54 W/m²
 Em 214 lx
 Emin 191 lx
 Emin/Eav (Uo) 0.90
 UGR ---



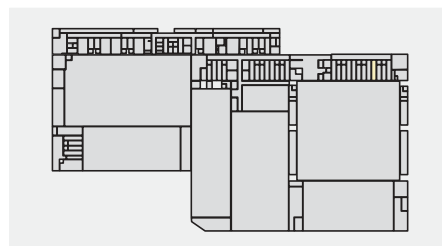
Summary, Floor 1

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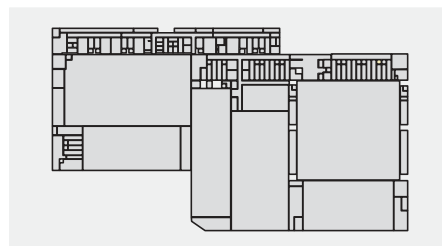
159-3 3 x Luminaires
 Total luminous flux of all lamps 6105.59961 lm
 Total power 60.9 W
 Total power per area (19 m²) 3.26 W/m²
 Em 202 lx
 Emin 158 lx
 Emin/Eav (Uo) 0.79
 UGR <=26.8



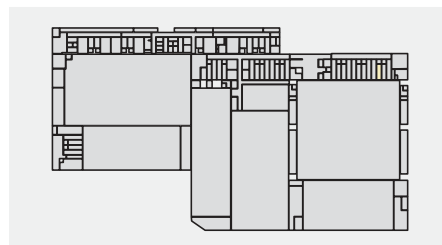
160-1 5 x Luminaires
 Total luminous flux of all lamps 10176 lm
 Total power 101.5 W
 Total power per area (25 m²) 4.09 W/m²
 Em 214 lx
 Emin 105 lx
 Emin/Eav (Uo) 0.49
 UGR <=27.0



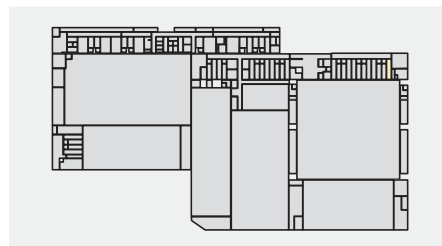
160-2 2 x Luminaires
 Total luminous flux of all lamps 2835.19995 lm
 Total power 29.3 W
 Total power per area (5 m²) 5.54 W/m²
 Em 214 lx
 Emin 189 lx
 Emin/Eav (Uo) 0.88
 UGR ---



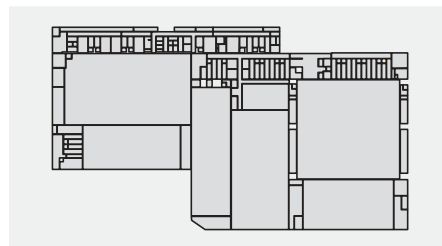
160-3 3 x Luminaires
 Total luminous flux of all lamps 6105.59961 lm
 Total power 60.9 W
 Total power per area (19 m²) 3.26 W/m²
 Em 202 lx
 Emin 158 lx
 Emin/Eav (Uo) 0.79
 UGR <=26.8



161-1 5 x Luminaires
 Total luminous flux of all lamps 10176 lm
 Total power 101.5 W
 Total power per area (25 m²) 4.09 W/m²
 Em 212 lx
 Emin 98 lx
 Emin/Eav (Uo) 0.46
 UGR <=27.0



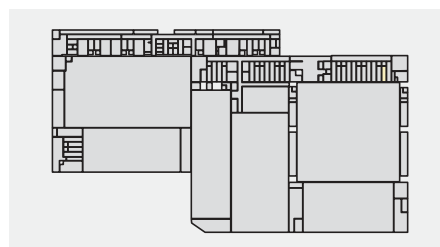
161-2 2 x Luminaires
 Total luminous flux of all lamps 2835.19995 lm
 Total power 29.3 W
 Total power per area (5 m²) 5.54 W/m²
 Em 214 lx
 Emin 191 lx
 Emin/Eav (Uo) 0.89
 UGR ---



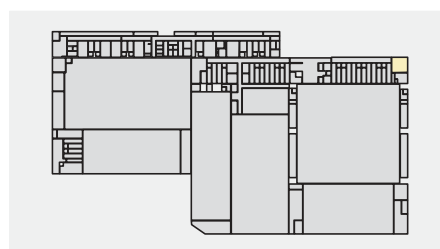
Summary, Floor 1

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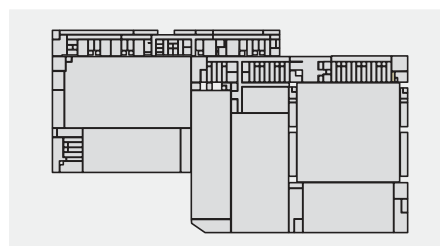
161-3 3 x Luminaires
 Total luminous flux of all lamps 6105.59961 lm
 Total power 60.9 W
 Total power per area (19 m²) 3.26 W/m²
 Em 202 lx
 Emin 158 lx
 Emin/Eav (Uo) 0.79
 UGR <=26.8



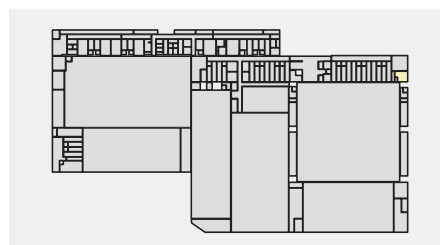
162-1 5 x Luminaires
 Total luminous flux of all lamps 18055 lm
 Total power 180 W
 Total power per area (62 m²) 2.90 W/m²
 Em 213 lx
 Emin 49 lx
 Emin/Eav (Uo) 0.23
 UGR <=20.3



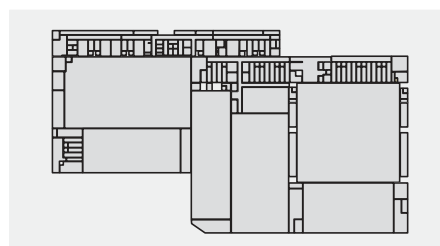
162-2 1 x Luminaires
 Total luminous flux of all lamps 3611 lm
 Total power 36 W
 Total power per area (8 m²) 4.40 W/m²
 Em 143 lx
 Emin 46 lx
 Emin/Eav (Uo) 0.32
 UGR <=18.3



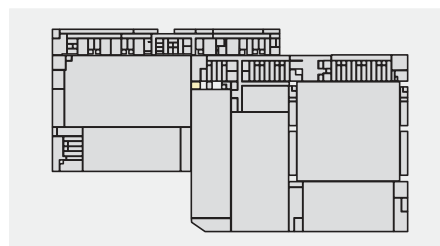
163-1 3 x Luminaires
 Total luminous flux of all lamps 13290 lm
 Total power 93.6 W
 Total power per area (32 m²) 2.92 W/m²
 Em 239 lx
 Emin 73 lx
 Emin/Eav (Uo) 0.31
 UGR <=25.0



163-2 1 x Luminaires
 Total luminous flux of all lamps 4430 lm
 Total power 31.2 W
 Total power per area (3 m²) 11.28 W/m²
 Em 200 lx
 Emin 174 lx
 Emin/Eav (Uo) 0.87
 UGR <=21.8



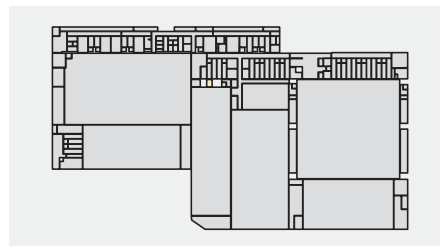
164 4 x Luminaires
 Total luminous flux of all lamps 14444 lm
 Total power 144 W
 Total power per area (17 m²) 8.53 W/m²
 Em 510 lx
 Emin 453 lx
 Emin/Eav (Uo) 0.89
 UGR <=18.0



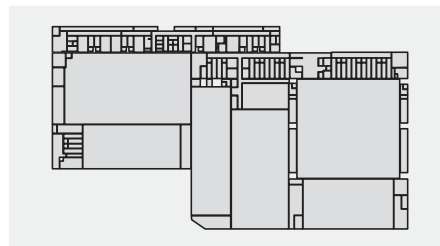
Summary, Floor 1

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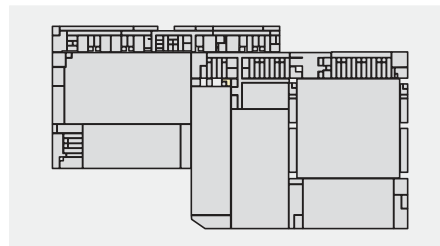
165 3 x Luminaires
 Total luminous flux of all lamps 10833 lm
 Total power 108 W
 Total power per area (11 m²) 10.15 W/m²
 Em 529 lx
 Emin 456 lx
 Emin/Eav (Uo) 0.86
 UGR <=17.4



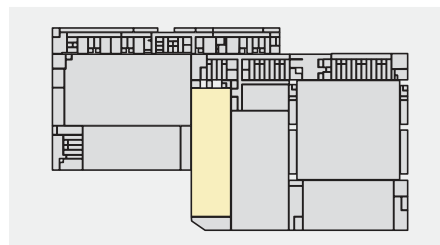
167 2 x Luminaires
 Total luminous flux of all lamps 2835.19995 lm
 Total power 29.3 W
 Total power per area (5 m²) 5.67 W/m²
 Em 193 lx
 Emin 169 lx
 Emin/Eav (Uo) 0.88
 UGR ---



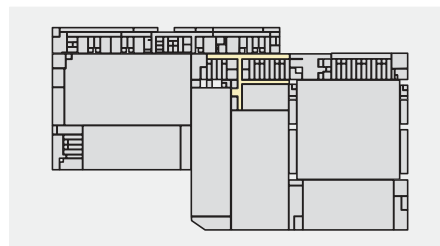
166 6 x Luminaires
 Total luminous flux of all lamps 9740.7998 lm
 Total power 99.2 W
 Total power per area (12 m²) 8.50 W/m²
 Em 235 lx
 Emin 142 lx
 Emin/Eav (Uo) 0.60
 UGR ---



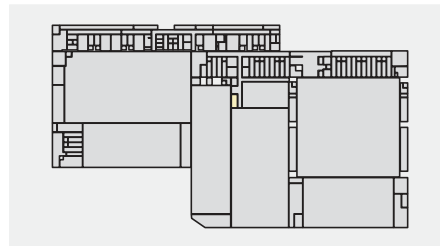
170 49 x Luminaires
 Total luminous flux of all lamps 1501500 lm
 Total power 11441 W
 Total power per area (1293 m²) 8.85 W/m²
 Em 643 lx
 Emin 199 lx
 Emin/Eav (Uo) 0.31
 UGR ---



171 21 x Luminaires
 Total luminous flux of all lamps 75831 lm
 Total power 756 W
 Total power per area (217 m²) 3.48 W/m²
 Em 151 lx
 Emin 122 lx
 Emin/Eav (Uo) 0.81
 UGR ---



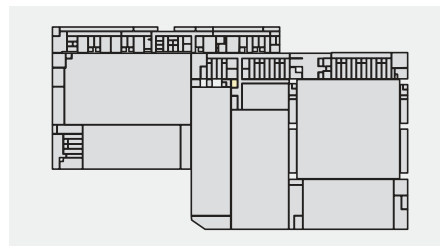
172 2 x Luminaires
 Total luminous flux of all lamps 7222 lm
 Total power 72 W
 Total power per area (22 m²) 3.32 W/m²
 Em 168 lx
 Emin 129 lx
 Emin/Eav (Uo) 0.77
 UGR <=18.3



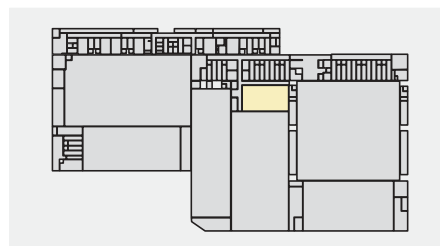
Summary, Floor 1

.3 Floor overview

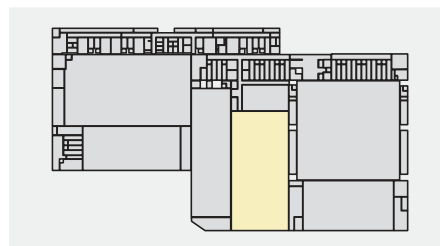
173 6 x Luminaires
 Total luminous flux of all lamps 21666 lm
 Total power 216 W
 Total power per area (13 m²) 17.01 W/m²
 Em 519 lx
 Emin 466 lx
 Emin/Eav (Uo) 0.90
 UGR <=16.6



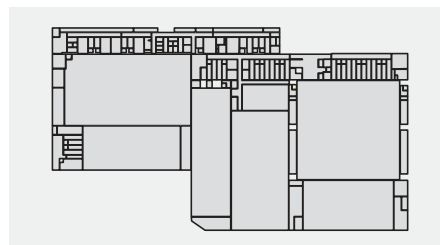
174 35 x Luminaires
 Total luminous flux of all lamps 126385 lm
 Total power 1260 W
 Total power per area (307 m²) 4.10 W/m²
 Em 326 lx
 Emin 264 lx
 Emin/Eav (Uo) 0.81
 UGR <=21.3



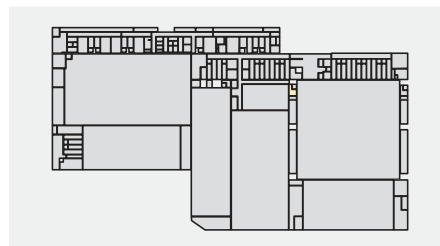
176 91 x Luminaires
 Total luminous flux of all lamps 1554700 lm
 Total power 10827 W
 Total power per area (1749 m²) 6.19 W/m²
 Em 548 lx
 Emin 390 lx
 Emin/Eav (Uo) 0.71
 UGR ---



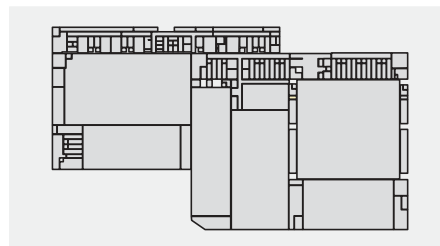
179 2 x Luminaires
 Total luminous flux of all lamps 2835.19995 lm
 Total power 29.3 W
 Total power per area (5 m²) 5.67 W/m²
 Em 215 lx
 Emin 185 lx
 Emin/Eav (Uo) 0.86
 UGR ---



180-1 3 x Luminaires
 Total luminous flux of all lamps 6105.59961 lm
 Total power 60.9 W
 Total power per area (16 m²) 3.78 W/m²
 Em 203 lx
 Emin 137 lx
 Emin/Eav (Uo) 0.67
 UGR ---



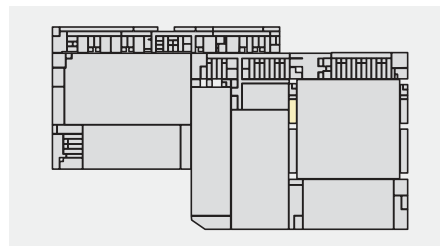
180-2 2 x Luminaires
 Total luminous flux of all lamps 4070.3999 lm
 Total power 40.6 W
 Total power per area (7 m²) 5.95 W/m²
 Em 250 lx
 Emin 217 lx
 Emin/Eav (Uo) 0.87
 UGR <=24.9



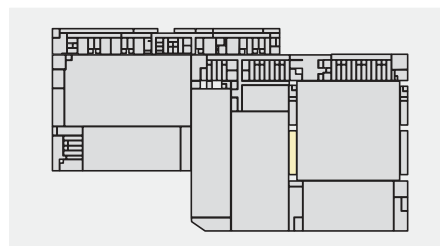
Summary, Floor 1

.3 Floor overview

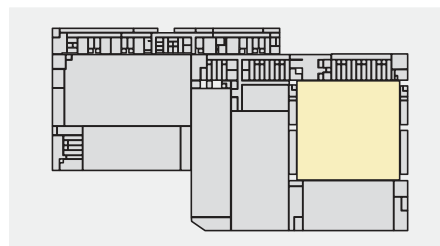
181 2 x Luminaires
 Total luminous flux of all lamps 8860 lm
 Total power 62.4 W
 Total power per area (46 m²) 1.36 W/m²
 Em 125 lx
 Emin 52 lx
 Emin/Eav (Uo) 0.42
 UGR <=25.2



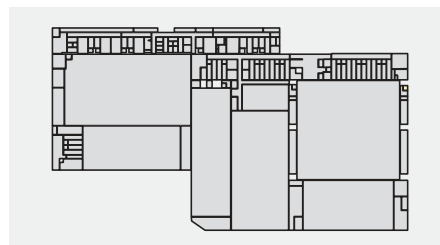
182 3 x Luminaires
 Total luminous flux of all lamps 13290 lm
 Total power 93.6 W
 Total power per area (84 m²) 1.11 W/m²
 Em 126 lx
 Emin 21 lx
 Emin/Eav (Uo) 0.17
 UGR <=27.1



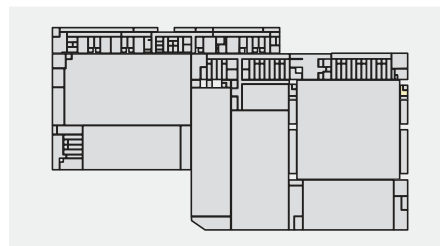
183 126 x Luminaires
 Total luminous flux of all lamps 3550050 lm
 Total power 24822 W
 Total power per area (2615 m²) 9.49 W/m²
 Em 1773 lx
 Emin 1271 lx
 Emin/Eav (Uo) 0.72
 UGR <=22.2



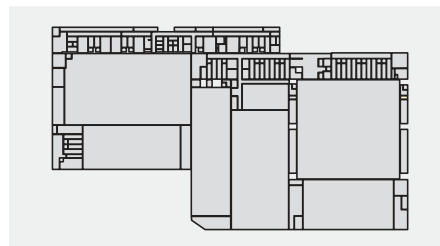
184 2 x Luminaires
 Total luminous flux of all lamps 2835.19995 lm
 Total power 29.3 W
 Total power per area (5 m²) 5.67 W/m²
 Em 214 lx
 Emin 188 lx
 Emin/Eav (Uo) 0.88
 UGR ---



185 3 x Luminaires
 Total luminous flux of all lamps 6105.59961 lm
 Total power 60.9 W
 Total power per area (14 m²) 4.28 W/m²
 Em 224 lx
 Emin 185 lx
 Emin/Eav (Uo) 0.83
 UGR ---



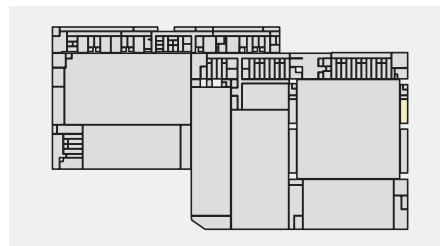
186 2 x Luminaires
 Total luminous flux of all lamps 4070.3999 lm
 Total power 40.6 W
 Total power per area (7 m²) 5.95 W/m²
 Em 250 lx
 Emin 217 lx
 Emin/Eav (Uo) 0.87
 UGR <=24.9



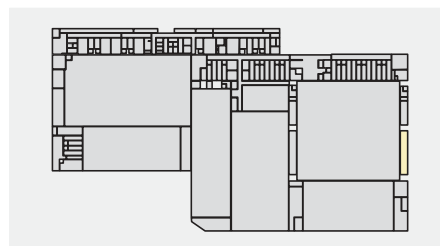
Summary, Floor 1

.3 Floor overview

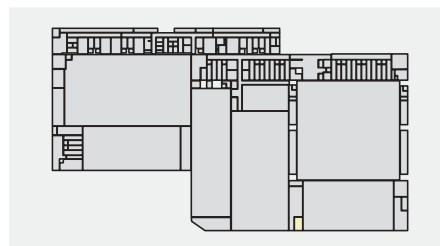
187 2 x Luminaires
 Total luminous flux of all lamps 8860 lm
 Total power 62.4 W
 Total power per area (46 m²) 1.36 W/m²
 Em 159 lx
 Emin 43 lx
 Emin/Eav (Uo) 0.27
 UGR <=27.1



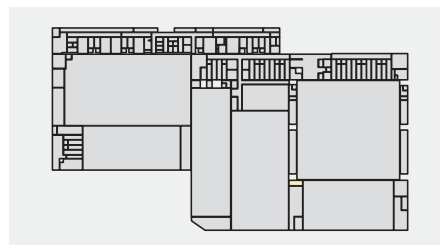
188 3 x Luminaires
 Total luminous flux of all lamps 13290 lm
 Total power 93.6 W
 Total power per area (84 m²) 1.11 W/m²
 Em 126 lx
 Emin 21 lx
 Emin/Eav (Uo) 0.17
 UGR <=27.1



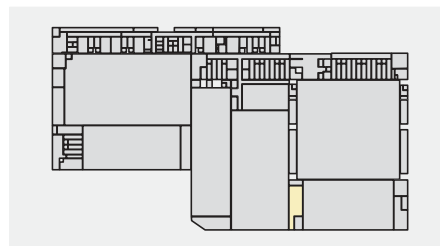
189 2 x Luminaires
 Total luminous flux of all lamps 7222 lm
 Total power 72 W
 Total power per area (28 m²) 2.54 W/m²
 Em 149 lx
 Emin 114 lx
 Emin/Eav (Uo) 0.77
 UGR <=18.2



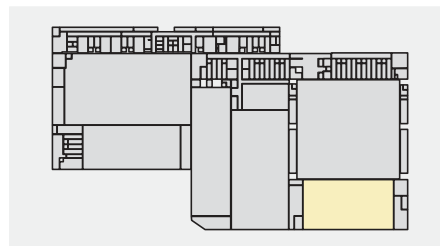
190-1/2 3 x Luminaires
 Total luminous flux of all lamps 10833 lm
 Total power 108 W
 Total power per area (19 m²) 5.60 W/m²
 Em 258 lx
 Emin 204 lx
 Emin/Eav (Uo) 0.79
 UGR <=18.3



191 5 x Luminaires
 Total luminous flux of all lamps 22150 lm
 Total power 156 W
 Total power per area (125 m²) 1.25 W/m²
 Em 138 lx
 Emin 22 lx
 Emin/Eav (Uo) 0.16
 UGR <=28.1



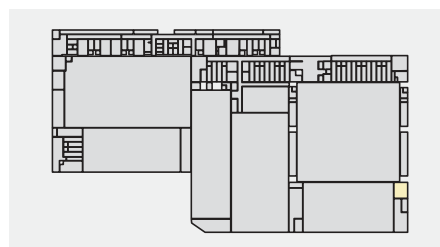
192 42 x Luminaires
 Total luminous flux of all lamps 968100 lm
 Total power 6774 W
 Total power per area (1157 m²) 5.86 W/m²
 Em 543 lx
 Emin 385 lx
 Emin/Eav (Uo) 0.71
 UGR ---



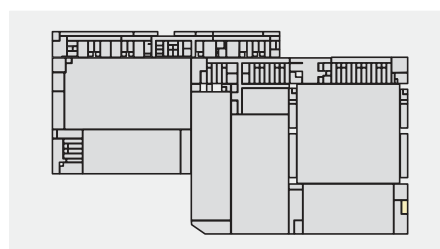
Summary, Floor 1

.3 Floor overview

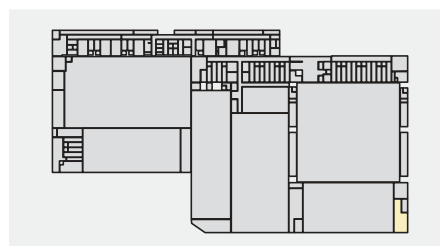
193 2 x Luminaires
 Total luminous flux of all lamps 8860 lm
 Total power 62.4 W
 Total power per area (57 m²) 1.10 W/m²
 Em 118 lx
 Emin 49 lx
 Emin/Eav (Uo) 0.41
 UGR <=25.6



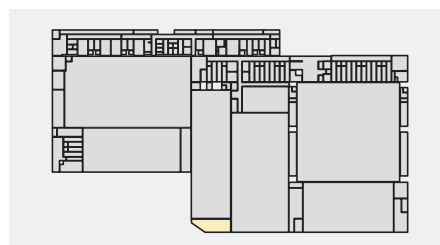
194 2 x Luminaires
 Total luminous flux of all lamps 7222 lm
 Total power 72 W
 Total power per area (20 m²) 3.60 W/m²
 Em 176 lx
 Emin 137 lx
 Emin/Eav (Uo) 0.78
 UGR <=18.2



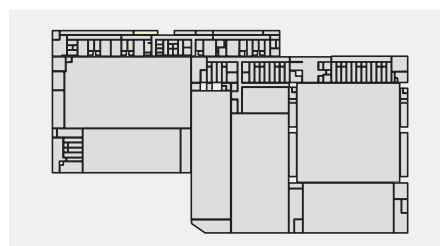
195 3 x Luminaires
 Total luminous flux of all lamps 13290 lm
 Total power 93.6 W
 Total power per area (96 m²) 0.98 W/m²
 Em 100 lx
 Emin 18 lx
 Emin/Eav (Uo) 0.18
 UGR <=27.1



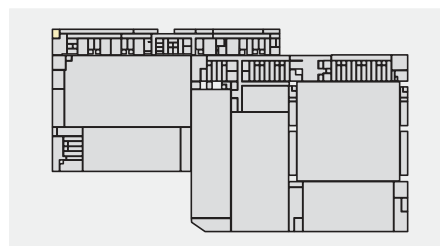
177 5 x Luminaires
 Total luminous flux of all lamps 22150 lm
 Total power 156 W
 Total power per area (117 m²) 1.34 W/m²
 Em 134 lx
 Emin 40 lx
 Emin/Eav (Uo) 0.30
 UGR <=27.3



198 4 x Luminaires
 Total luminous flux of all lamps 14444 lm
 Total power 144 W
 Total power per area (25 m²) 5.67 W/m²
 Em 300 lx
 Emin 227 lx
 Emin/Eav (Uo) 0.76
 UGR <=19.7



199 2 x Luminaires
 Total luminous flux of all lamps 7222 lm
 Total power 72 W
 Total power per area (16 m²) 4.45 W/m²
 Em 306 lx
 Emin 249 lx
 Emin/Eav (Uo) 0.81
 UGR <=18.0

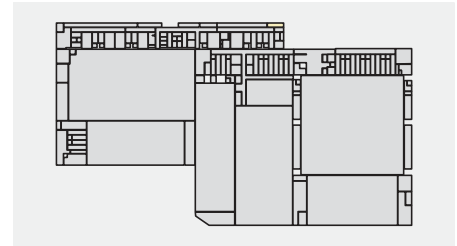


Object : Myrdal arena 1ETG
Installation :
Project number : 20180087
Date : 08.05.2018

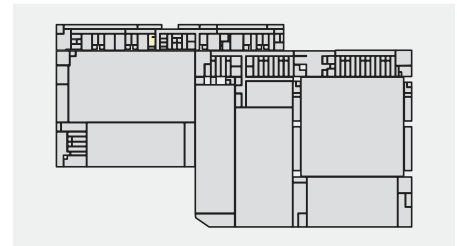
Summary, Floor 1

.3 Floor overview

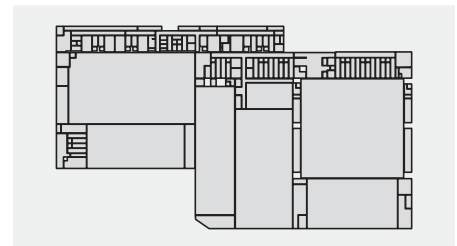
137-4 7 x Luminaires
Total luminous flux of all lamps 10540.7998 lm
Total power 108.2 W
Total power per area (17 m²) 6.22 W/m²
Em 206 lx
Emin 45 lx
Emin/Eav (Uo) 0.22
UGR ---



196-1 4 x Luminaires
Total luminous flux of all lamps 8140.7998 lm
Total power 81.2 W
Total power per area (22 m²) 3.62 W/m²
Em 242 lx
Emin 128 lx
Emin/Eav (Uo) 0.53
UGR <=26.7

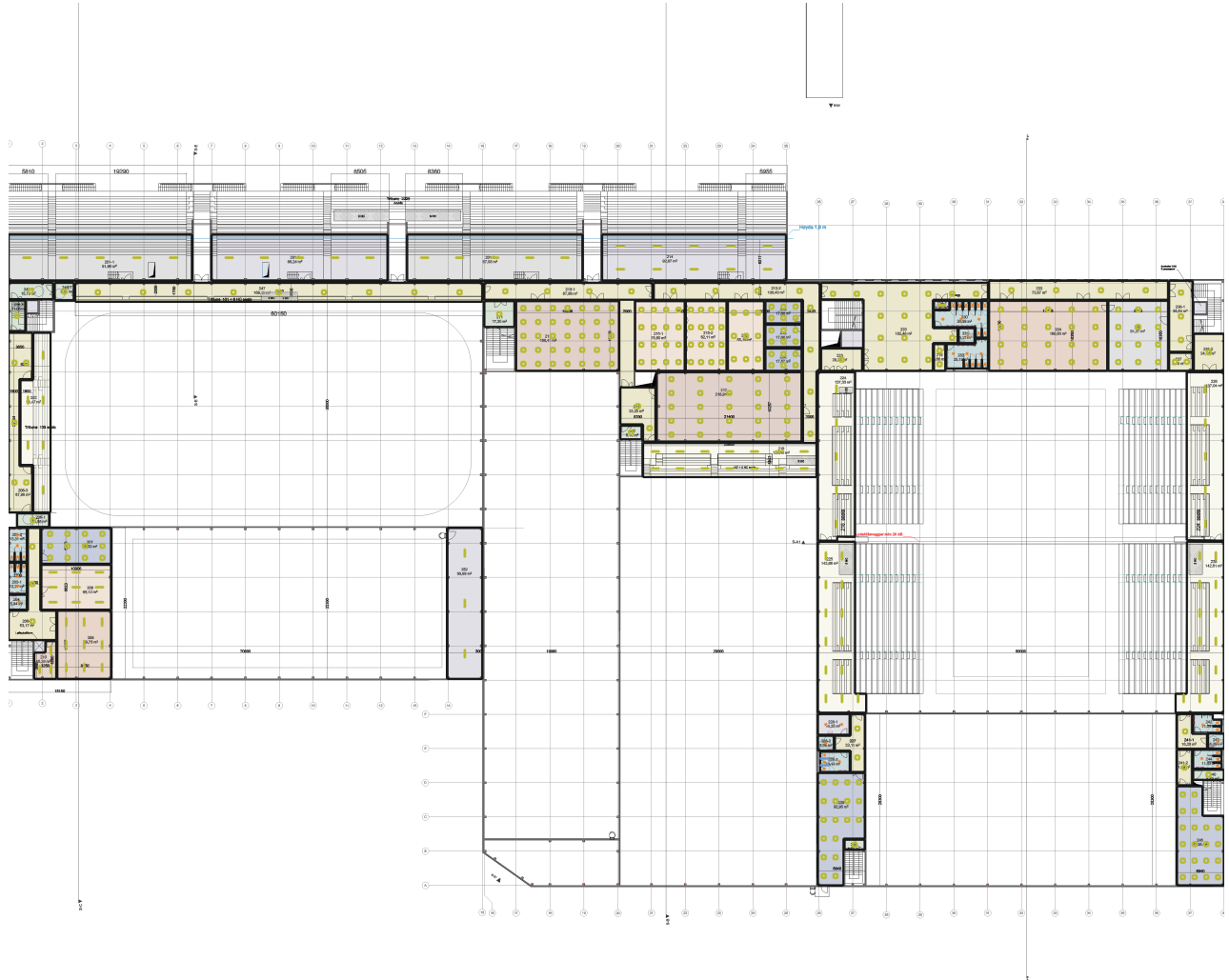


197-2 2 x Luminaires
Total luminous flux of all lamps 2835.19995 lm
Total power 29.3 W
Total power per area (4 m²) 6.69 W/m²
Em 220 lx
Emin 128 lx
Emin/Eav (Uo) 0.58
UGR ---



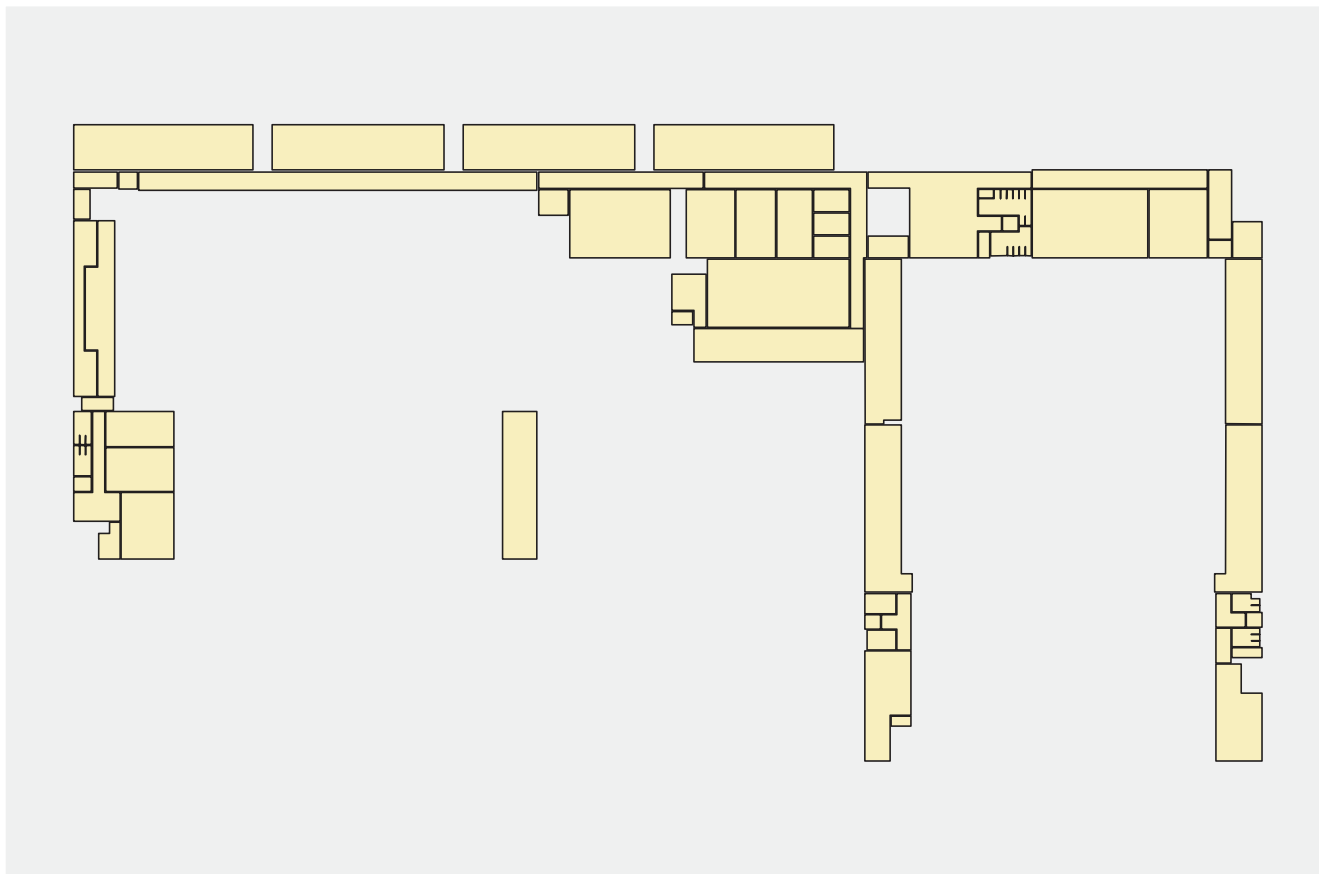
Description, Floor 1

.2 Floor plan



Summary, Floor 1




.3 Floor overview



Number of rooms	64	
Total area	4036 m ²	Calculated
Number of luminaires	450	
Total luminous flux of all lamps	1570578 lm	
Total power	14309.7 W	
Total power per area	3.55 W/m ²	

Parts list

Type No. Make

- | | | | |
|---|-----|---|--|
| 1 | 274 |  | LUCKY SSL
Order No. : FK-ML600X600-NW36-R1
Luminaire name : 4000K Epistar LED
Equipment : 1 x 36 W / 3611 lm |
| 2 | 45 |  | LUCKY SSL/2017-03-13 Eulumdat/Hopoo
Order No. : !FK-DL1700640
Luminaire name : FK-DL1700640
Equipment : 1 x Epistar LED 20.3 W / 2035.2 lm |
| 3 | 25 |  | DiLED
Order No. : 70 070 000 502
Luminaire name : Sabrina-9 LED 800
Equipment : 1 x 9 W / 800 lm |

Object : Myrdal Arena 2ETG
 Installation :
 Project number : 20180088
 Date : 17.05.2018



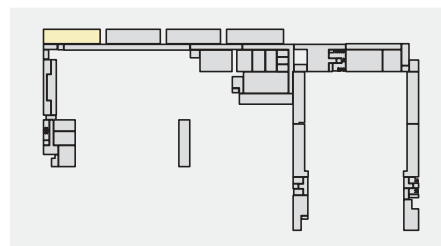
Summary, Floor 1

.3 Floor overview

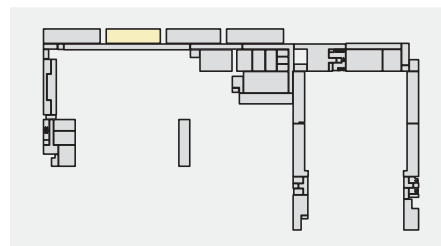
LUCKY SSL/2017-05-12 Eulumdat/Hopoo
 4 106 Order No. : FK-TL12-NW30-M3.ltd
 Luminaire name : FK-TL12-NW30-M3
 Equipment : 1 x Epistar LED 31.2 W / 4430 lm

Rooms

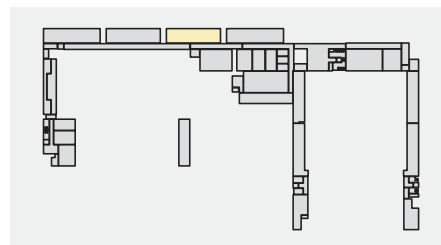
201-1 5 x Luminaires
 Total luminous flux of all lamps 22150 lm
 Total power 156 W
 Total power per area (185 m²) 0.84 W/m²
 Em 114 lx
 Emin 17 lx
 Emin/Eav (Uo) 0.15
 UGR <=30.4



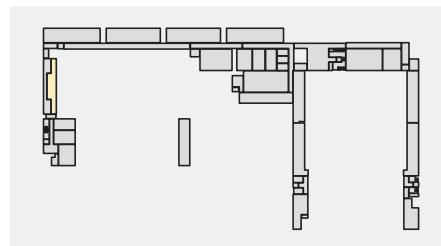
201-2 5 x Luminaires
 Total luminous flux of all lamps 22150 lm
 Total power 156 W
 Total power per area (177 m²) 0.88 W/m²
 Em 123 lx
 Emin 18 lx
 Emin/Eav (Uo) 0.15
 UGR <=30.3



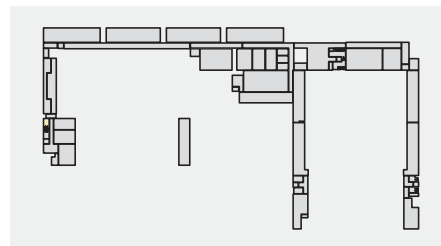
201-3 5 x Luminaires
 Total luminous flux of all lamps 22150 lm
 Total power 156 W
 Total power per area (177 m²) 0.88 W/m²
 Em 123 lx
 Emin 18 lx
 Emin/Eav (Uo) 0.15
 UGR <=30.3



202 6 x Luminaires
 Total luminous flux of all lamps 26580 lm
 Total power 187.2 W
 Total power per area (91 m²) 2.05 W/m²
 Em 148 lx
 Emin 64 lx
 Emin/Eav (Uo) 0.43
 UGR <=26.0



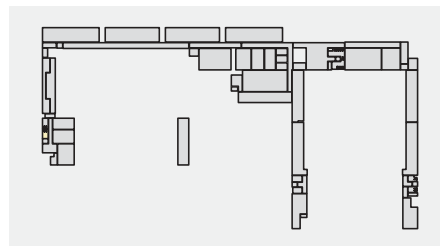
203-2 7 x Luminaires
 Total luminous flux of all lamps 11776 lm
 Total power 119.5 W
 Total power per area (13 m²) 8.93 W/m²
 Em 246 lx
 Emin 155 lx
 Emin/Eav (Uo) 0.63
 UGR ---



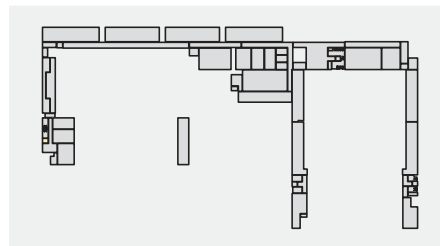
Summary, Floor 1

.3 Floor overview

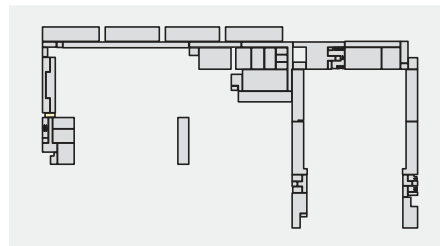
203-1 7 x Luminaires
 Total luminous flux of all lamps 11776 lm
 Total power 119.5 W
 Total power per area (12 m²) 9.78 W/m²
 Em 237 lx
 Emin 126 lx
 Emin/Eav (Uo) 0.53
 UGR ---



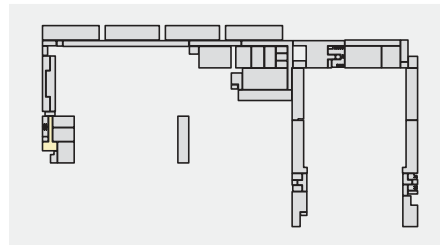
204 2 x Luminaires
 Total luminous flux of all lamps 2835.19995 lm
 Total power 29.3 W
 Total power per area (6 m²) 4.93 W/m²
 Em 208 lx
 Emin 174 lx
 Emin/Eav (Uo) 0.84
 UGR ---



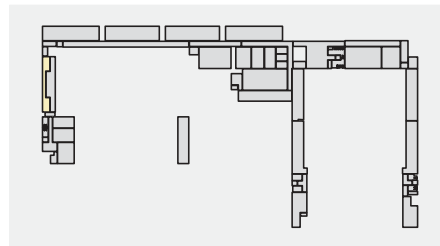
206-1 1 x Luminaires
 Total luminous flux of all lamps 3611 lm
 Total power 36 W
 Total power per area (9 m²) 3.81 W/m²
 Em 129 lx
 Emin 91 lx
 Emin/Eav (Uo) 0.71
 UGR <=17.7



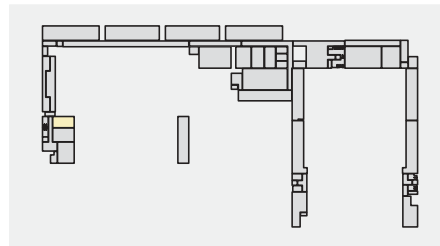
206-2 3 x Luminaires
 Total luminous flux of all lamps 10833 lm
 Total power 108 W
 Total power per area (53 m²) 2.03 W/m²
 Em 114 lx
 Emin 27 lx
 Emin/Eav (Uo) 0.24
 UGR ---



206-3 5 x Luminaires
 Total luminous flux of all lamps 18055 lm
 Total power 180 W
 Total power per area (68 m²) 2.63 W/m²
 Em 156 lx
 Emin 24 lx
 Emin/Eav (Uo) 0.15
 UGR ---



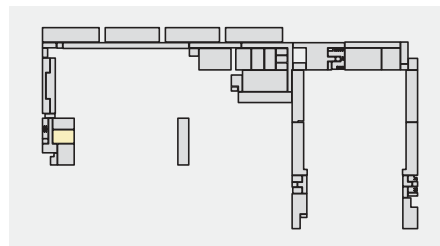
207 12 x Luminaires
 Total luminous flux of all lamps 43332 lm
 Total power 432 W
 Total power per area (55 m²) 7.91 W/m²
 Em 510 lx
 Emin 388 lx
 Emin/Eav (Uo) 0.76
 UGR <=19.2



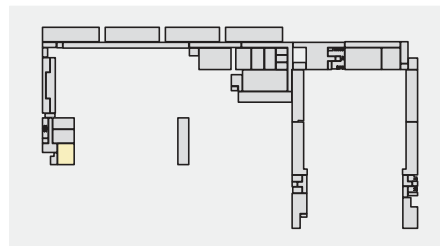
Summary, Floor 1

.3 Floor overview

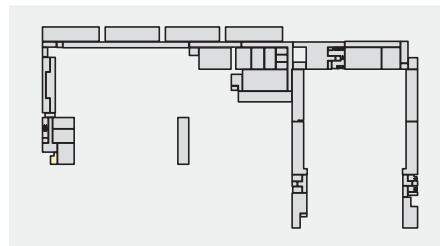
208 9 x Luminaires
 Total luminous flux of all lamps 39870 lm
 Total power 280.8 W
 Total power per area (68 m²) 4.12 W/m²
 Em 355 lx
 Emin 283 lx
 Emin/Eav (Uo) 0.80
 UGR <=24.7



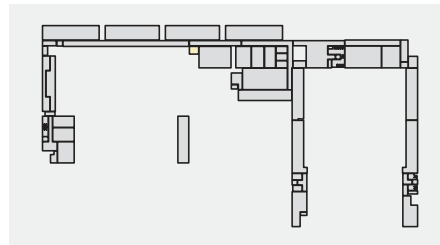
209 9 x Luminaires
 Total luminous flux of all lamps 39870 lm
 Total power 280.8 W
 Total power per area (80 m²) 3.51 W/m²
 Em 344 lx
 Emin 287 lx
 Emin/Eav (Uo) 0.83
 UGR <=26.3



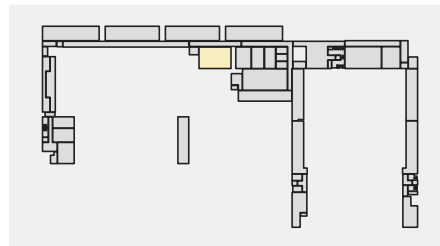
210 3 x Luminaires
 Total luminous flux of all lamps 13290 lm
 Total power 93.6 W
 Total power per area (15 m²) 6.11 W/m²
 Em 347 lx
 Emin 254 lx
 Emin/Eav (Uo) 0.73
 UGR <=22.4



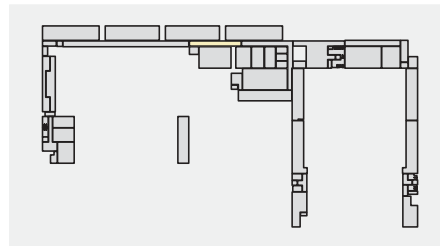
211 1 x Luminaires
 Total luminous flux of all lamps 3611 lm
 Total power 36 W
 Total power per area (17 m²) 2.11 W/m²
 Em 150 lx
 Emin 94 lx
 Emin/Eav (Uo) 0.63
 UGR <=17.4



212 35 x Luminaires
 Total luminous flux of all lamps 126385 lm
 Total power 1260 W
 Total power per area (157 m²) 8.05 W/m²
 Em 555 lx
 Emin 404 lx
 Emin/Eav (Uo) 0.73
 UGR <=20.6



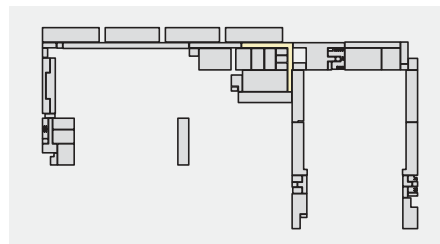
213-1 4 x Luminaires
 Total luminous flux of all lamps 14444 lm
 Total power 144 W
 Total power per area (62 m²) 2.32 W/m²
 Em 134 lx
 Emin 55 lx
 Emin/Eav (Uo) 0.41
 UGR <=19.4



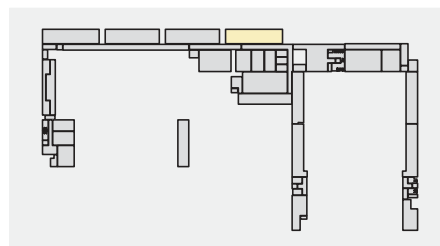
Summary, Floor 1

.3 Floor overview

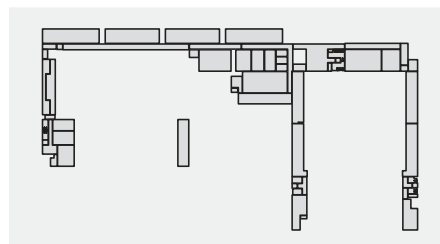
213-2 8 x Luminaires
 Total luminous flux of all lamps 28888 lm
 Total power 288 W
 Total power per area (109 m²) 2.65 W/m²
 Em 145 lx
 Emin 59 lx
 Emin/Eav (Uo) 0.41
 UGR ---



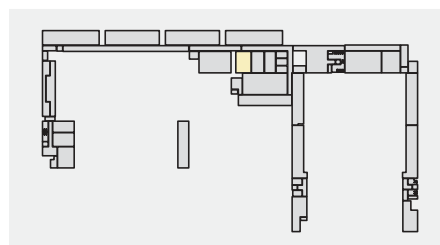
214 10 x Luminaires
 Total luminous flux of all lamps 44300 lm
 Total power 312 W
 Total power per area (185 m²) 1.68 W/m²
 Em 211 lx
 Emin 61 lx
 Emin/Eav (Uo) 0.29
 UGR <=30.4



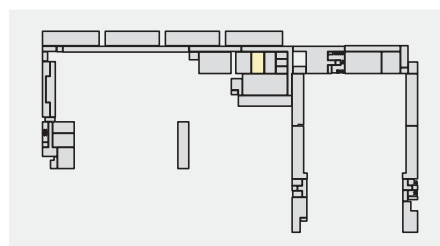
214-1 1 x Luminaires
 Total luminous flux of all lamps 4430 lm
 Total power 31.2 W
 Total power per area (3 m²) 10.51 W/m²
 Em 264 lx
 Emin 200 lx
 Emin/Eav (Uo) 0.76
 UGR <=25.9



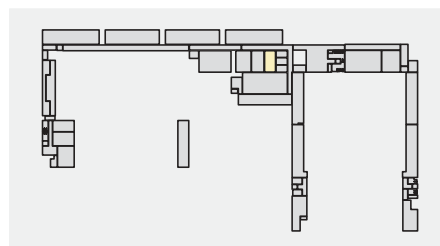
215-1 16 x Luminaires
 Total luminous flux of all lamps 57776 lm
 Total power 576 W
 Total power per area (75 m²) 7.63 W/m²
 Em 501 lx
 Emin 384 lx
 Emin/Eav (Uo) 0.77
 UGR <=19.7



215-2 16 x Luminaires
 Total luminous flux of all lamps 57776 lm
 Total power 576 W
 Total power per area (62 m²) 9.28 W/m²
 Em 537 lx
 Emin 351 lx
 Emin/Eav (Uo) 0.65
 UGR <=19.4



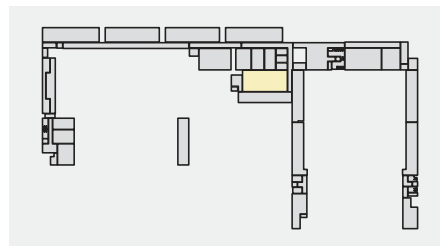
216 9 x Luminaires
 Total luminous flux of all lamps 32499 lm
 Total power 324 W
 Total power per area (55 m²) 5.88 W/m²
 Em 358 lx
 Emin 263 lx
 Emin/Eav (Uo) 0.74
 UGR <=19.4



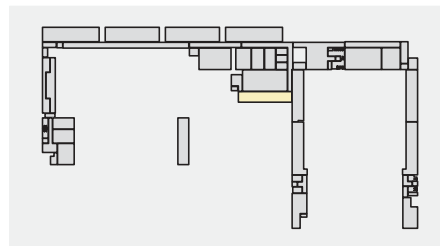
Summary, Floor 1

.3 Floor overview

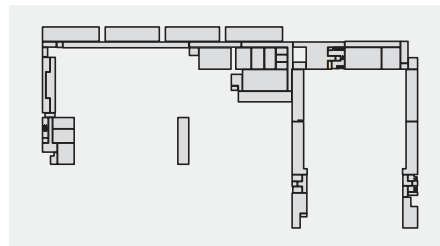
217 25 x Luminaires
 Total luminous flux of all lamps 90275 lm
 Total power 900 W
 Total power per area (219 m²) 4.10 W/m²
 Em 313 lx
 Emin 214 lx
 Emin/Eav (Uo) 0.69
 UGR <=21.1



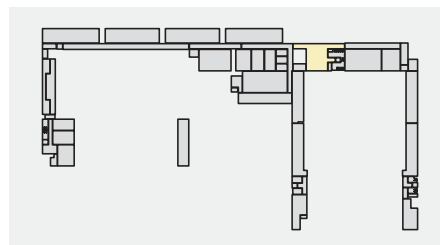
218 14 x Luminaires
 Total luminous flux of all lamps 62020 lm
 Total power 436.8 W
 Total power per area (129 m²) 3.38 W/m²
 Em 115 lx
 Emin 77 lx
 Emin/Eav (Uo) 0.67
 UGR <=23.2



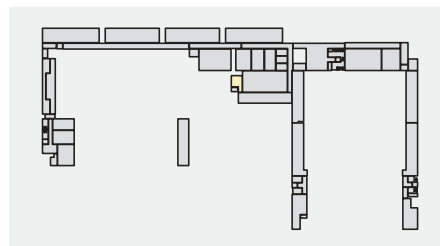
219 2 x Luminaires
 Total luminous flux of all lamps 7222 lm
 Total power 72 W
 Total power per area (7 m²) 10.79 W/m²
 Em 324 lx
 Emin 210 lx
 Emin/Eav (Uo) 0.65
 UGR <=17.0



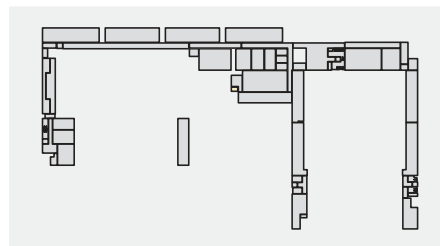
220 17 x Luminaires
 Total luminous flux of all lamps 61387 lm
 Total power 612 W
 Total power per area (177 m²) 3.46 W/m²
 Em 238 lx
 Emin 110 lx
 Emin/Eav (Uo) 0.46
 UGR ---



221 2 x Luminaires
 Total luminous flux of all lamps 7222 lm
 Total power 72 W
 Total power per area (33 m²) 2.17 W/m²
 Em 134 lx
 Emin 49 lx
 Emin/Eav (Uo) 0.37
 UGR <=19.5



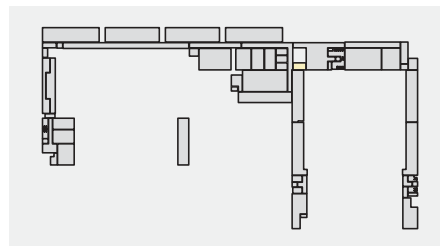
222 1 x Luminaires
 Total luminous flux of all lamps 3611 lm
 Total power 36 W
 Total power per area (6 m²) 5.71 W/m²
 Em 174 lx
 Emin 127 lx
 Emin/Eav (Uo) 0.73
 UGR <=16.6



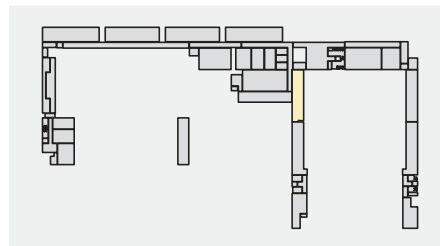
Summary, Floor 1

.3 Floor overview

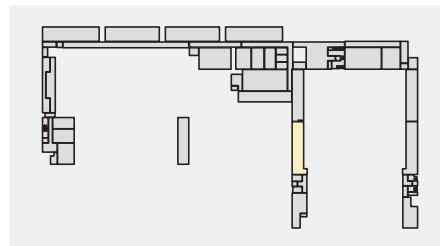
223 1 x Luminaires
 Total luminous flux of all lamps 3611 lm
 Total power 36 W
 Total power per area (20 m²) 1.80 W/m²
 Em 123 lx
 Emin 52 lx
 Emin/Eav (Uo) 0.42
 UGR <=18.6



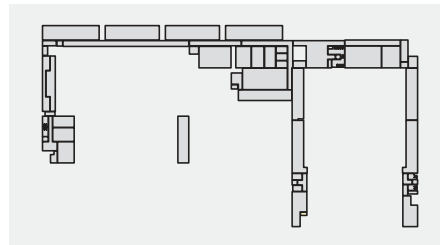
224 5 x Luminaires
 Total luminous flux of all lamps 22150 lm
 Total power 156 W
 Total power per area (135 m²) 1.16 W/m²
 Em 120 lx
 Emin 47 lx
 Emin/Eav (Uo) 0.39
 UGR <=26.8



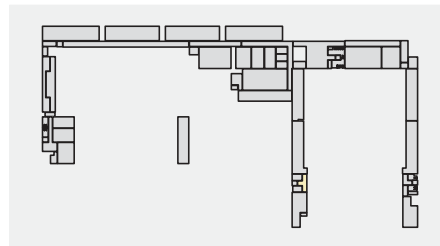
225 13 x Luminaires
 Total luminous flux of all lamps 57590 lm
 Total power 405.6 W
 Total power per area (143 m²) 2.83 W/m²
 Em 104 lx
 Emin 54 lx
 Emin/Eav (Uo) 0.52
 UGR <=23.1



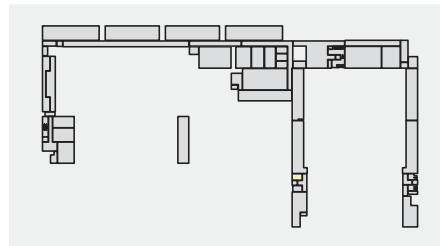
226 1 x Luminaires
 Total luminous flux of all lamps 3611 lm
 Total power 36 W
 Total power per area (5 m²) 8.00 W/m²
 Em 151 lx
 Emin 121 lx
 Emin/Eav (Uo) 0.80
 UGR <=16.6



227 2 x Luminaires
 Total luminous flux of all lamps 7222 lm
 Total power 72 W
 Total power per area (23 m²) 3.12 W/m²
 Em 151 lx
 Emin 12 lx
 Emin/Eav (Uo) 0.08
 UGR ---



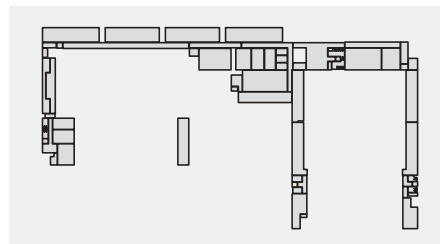
228-1 3 x Luminaires
 Total luminous flux of all lamps 4870.3999 lm
 Total power 49.6 W
 Total power per area (14 m²) 3.47 W/m²
 Em 205 lx
 Emin 161 lx
 Emin/Eav (Uo) 0.78
 UGR ---



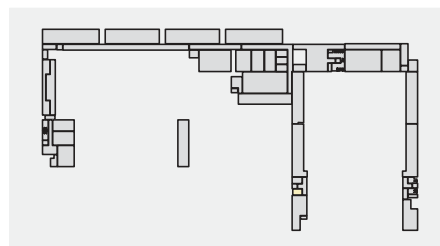
Summary, Floor 1

.3 Floor overview

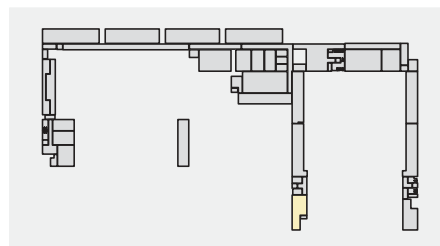
228-2 2 x Luminaires
 Total luminous flux of all lamps 2835.19995 lm
 Total power 29.3 W
 Total power per area (5 m²) 5.67 W/m²
 Em 223 lx
 Emin 195 lx
 Emin/Eav (Uo) 0.87
 UGR ---



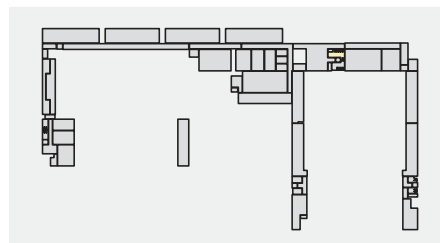
228-3 6 x Luminaires
 Total luminous flux of all lamps 9740.7998 lm
 Total power 99.2 W
 Total power per area (13 m²) 7.55 W/m²
 Em 248 lx
 Emin 172 lx
 Emin/Eav (Uo) 0.70
 UGR ---



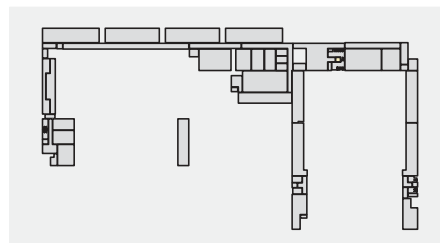
229 18 x Luminaires
 Total luminous flux of all lamps 64998 lm
 Total power 648 W
 Total power per area (93 m²) 6.94 W/m²
 Em 503 lx
 Emin 239 lx
 Emin/Eav (Uo) 0.48
 UGR <=21.1



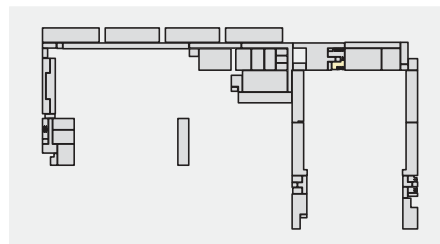
230 17 x Luminaires
 Total luminous flux of all lamps 27187.1992 lm
 Total power 277.3 W
 Total power per area (30 m²) 9.16 W/m²
 Em 226 lx
 Emin 125 lx
 Emin/Eav (Uo) 0.55
 UGR ---



231 2 x Luminaires
 Total luminous flux of all lamps 2835.19995 lm
 Total power 29.3 W
 Total power per area (5 m²) 5.67 W/m²
 Em 219 lx
 Emin 185 lx
 Emin/Eav (Uo) 0.85
 UGR ---



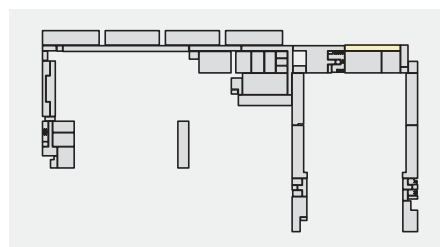
232 11 x Luminaires
 Total luminous flux of all lamps 17446.4004 lm
 Total power 178.1 W
 Total power per area (23 m²) 7.59 W/m²
 Em 239 lx
 Emin 121 lx
 Emin/Eav (Uo) 0.51
 UGR ---



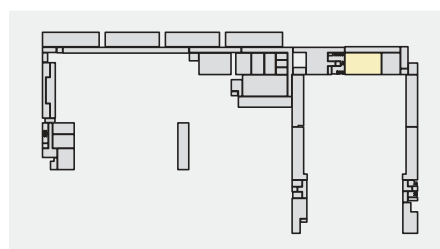
Summary, Floor 1

.3 Floor overview

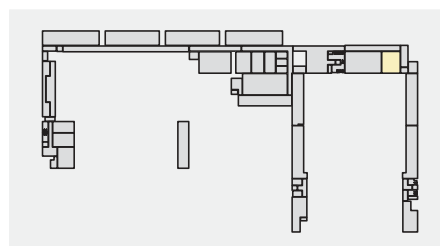
233 4 x Luminaires
 Total luminous flux of all lamps 14444 lm
 Total power 144 W
 Total power per area (74 m²) 1.94 W/m²
 Em 115 lx
 Emin 40 lx
 Emin/Eav (Uo) 0.35
 UGR <=19.5



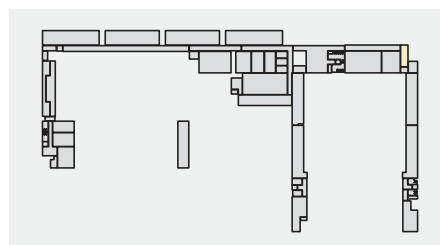
234 20 x Luminaires
 Total luminous flux of all lamps 72220 lm
 Total power 720 W
 Total power per area (181 m²) 3.98 W/m²
 Em 317 lx
 Emin 268 lx
 Emin/Eav (Uo) 0.85
 UGR <=21.3



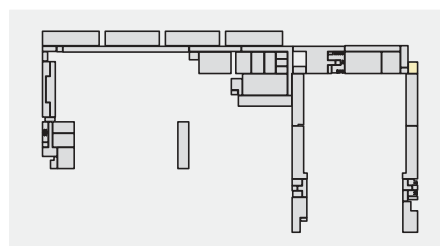
235 12 x Luminaires
 Total luminous flux of all lamps 43332 lm
 Total power 432 W
 Total power per area (92 m²) 4.72 W/m²
 Em 354 lx
 Emin 293 lx
 Emin/Eav (Uo) 0.83
 UGR <=20.7



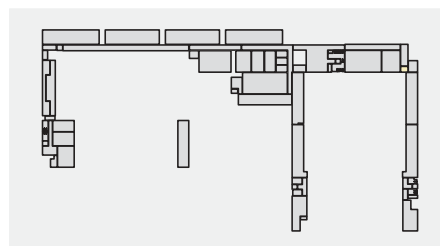
236-1 3 x Luminaires
 Total luminous flux of all lamps 10833 lm
 Total power 108 W
 Total power per area (37 m²) 2.95 W/m²
 Em 225 lx
 Emin 133 lx
 Emin/Eav (Uo) 0.59
 UGR <=20.2



236-2 1 x Luminaires
 Total luminous flux of all lamps 3611 lm
 Total power 36 W
 Total power per area (24 m²) 1.48 W/m²
 Em 113 lx
 Emin 54 lx
 Emin/Eav (Uo) 0.48
 UGR <=18.3



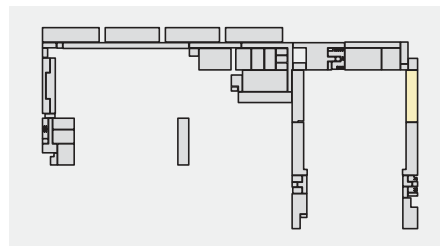
237 2 x Luminaires
 Total luminous flux of all lamps 7222 lm
 Total power 72 W
 Total power per area (9 m²) 7.77 W/m²
 Em 300 lx
 Emin 203 lx
 Emin/Eav (Uo) 0.68
 UGR <=16.6



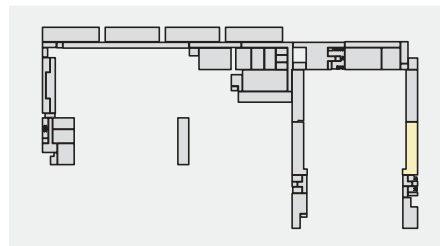
Summary, Floor 1

.3 Floor overview

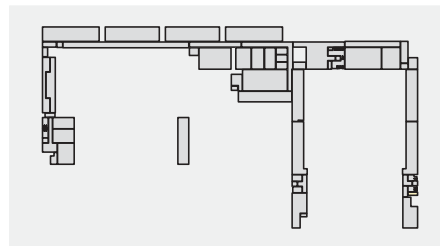
238 5 x Luminaires
 Total luminous flux of all lamps 22150 lm
 Total power 156 W
 Total power per area (136 m²) 1.14 W/m²
 Em 122 lx
 Emin 51 lx
 Emin/Eav (Uo) 0.42
 UGR <=26.8



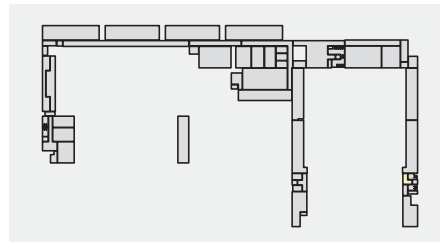
239 13 x Luminaires
 Total luminous flux of all lamps 57590 lm
 Total power 405.6 W
 Total power per area (143 m²) 2.84 W/m²
 Em 103 lx
 Emin 54 lx
 Emin/Eav (Uo) 0.52
 UGR <=23.1



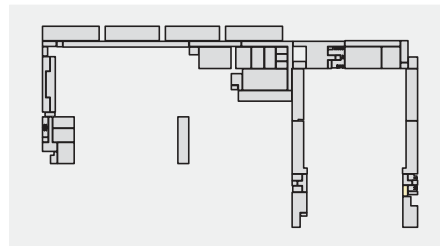
240 1 x Luminaires
 Total luminous flux of all lamps 3611 lm
 Total power 36 W
 Total power per area (7 m²) 5.27 W/m²
 Em 163 lx
 Emin 69 lx
 Emin/Eav (Uo) 0.42
 UGR <=17.5



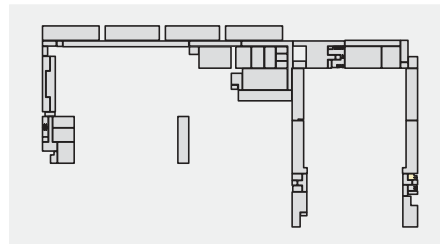
241-1 1 x Luminaires
 Total luminous flux of all lamps 3611 lm
 Total power 36 W
 Total power per area (16 m²) 2.21 W/m²
 Em 130 lx
 Emin 36 lx
 Emin/Eav (Uo) 0.28
 UGR ---



241-2 1 x Luminaires
 Total luminous flux of all lamps 3611 lm
 Total power 36 W
 Total power per area (12 m²) 3.06 W/m²
 Em 134 lx
 Emin 52 lx
 Emin/Eav (Uo) 0.39
 UGR <=18.2



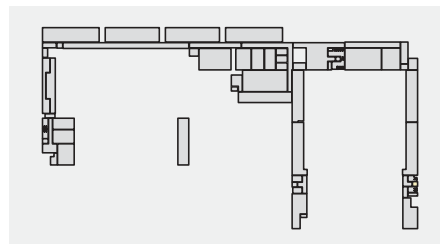
242 5 x Luminaires
 Total luminous flux of all lamps 7705.59961 lm
 Total power 78.9 W
 Total power per area (11 m²) 7.49 W/m²
 Em 202 lx
 Emin 162 lx
 Emin/Eav (Uo) 0.80
 UGR ---



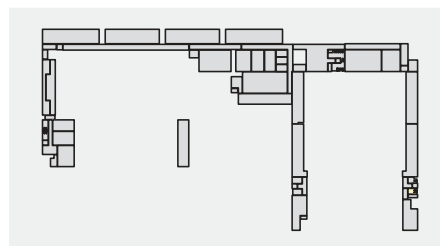
Summary, Floor 1

.3 Floor overview

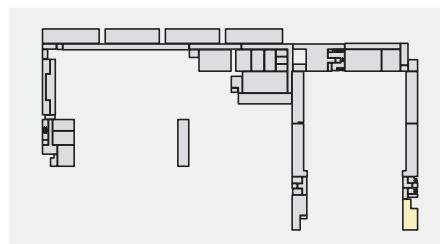
243 2 x Luminaires
 Total luminous flux of all lamps 2835.19995 lm
 Total power 29.3 W
 Total power per area (5 m²) 5.53 W/m²
 Em 213 lx
 Emin 170 lx
 Emin/Eav (Uo) 0.80
 UGR ---



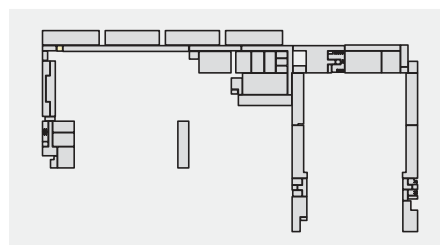
244 6 x Luminaires
 Total luminous flux of all lamps 9740.7998 lm
 Total power 99.2 W
 Total power per area (12 m²) 8.50 W/m²
 Em 228 lx
 Emin 192 lx
 Emin/Eav (Uo) 0.84
 UGR ---



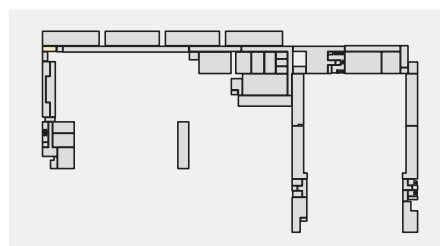
245 20 x Luminaires
 Total luminous flux of all lamps 72220 lm
 Total power 720 W
 Total power per area (88 m²) 8.20 W/m²
 Em 522 lx
 Emin 223 lx
 Emin/Eav (Uo) 0.43
 UGR <=20.9



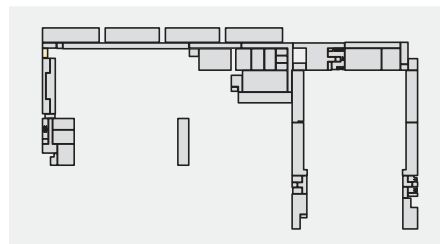
246-1 1 x Luminaires
 Total luminous flux of all lamps 3611 lm
 Total power 36 W
 Total power per area (7 m²) 4.98 W/m²
 Em 135 lx
 Emin 103 lx
 Emin/Eav (Uo) 0.76
 UGR <=16.6



246-2 1 x Luminaires
 Total luminous flux of all lamps 3611 lm
 Total power 36 W
 Total power per area (16 m²) 2.26 W/m²
 Em 132 lx
 Emin 47 lx
 Emin/Eav (Uo) 0.35
 UGR <=18.8



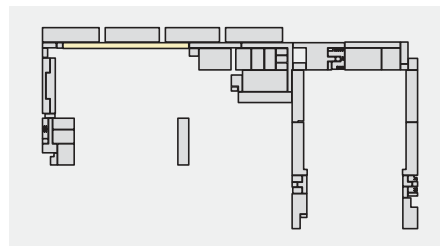
246-2 1 x Luminaires
 Total luminous flux of all lamps 3611 lm
 Total power 36 W
 Total power per area (11 m²) 3.23 W/m²
 Em 144 lx
 Emin 77 lx
 Emin/Eav (Uo) 0.53
 UGR <=17.5



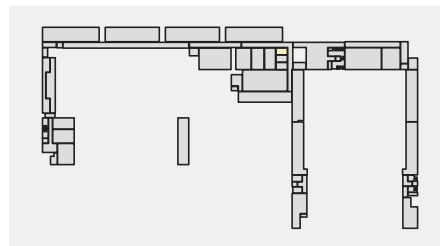
Summary, Floor 1

.3 Floor overview

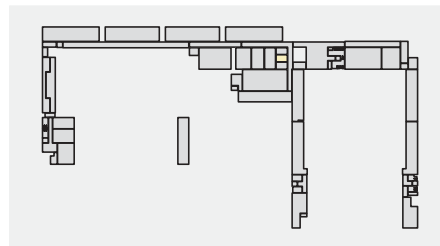
247 9 x Luminaires
 Total luminous flux of all lamps 32499 lm
 Total power 324 W
 Total power per area (168 m²) 1.92 W/m²
 Em 113 lx
 Emin 40 lx
 Emin/Eav (Uo) 0.35
 UGR <=19.5



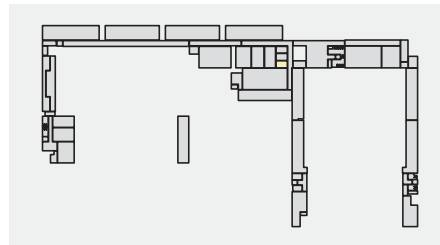
248 6 x Luminaires
 Total luminous flux of all lamps 21666 lm
 Total power 216 W
 Total power per area (18 m²) 12.23 W/m²
 Em 546 lx
 Emin 402 lx
 Emin/Eav (Uo) 0.74
 UGR <=18.3



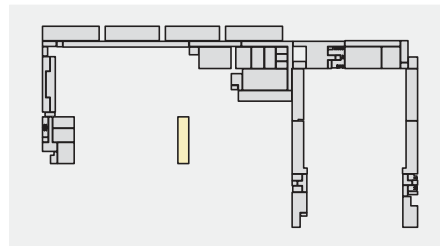
249 6 x Luminaires
 Total luminous flux of all lamps 21666 lm
 Total power 216 W
 Total power per area (18 m²) 12.23 W/m²
 Em 554 lx
 Emin 408 lx
 Emin/Eav (Uo) 0.74
 UGR <=18.3



250 6 x Luminaires
 Total luminous flux of all lamps 21666 lm
 Total power 216 W
 Total power per area (18 m²) 12.23 W/m²
 Em 554 lx
 Emin 408 lx
 Emin/Eav (Uo) 0.74
 UGR <=18.3

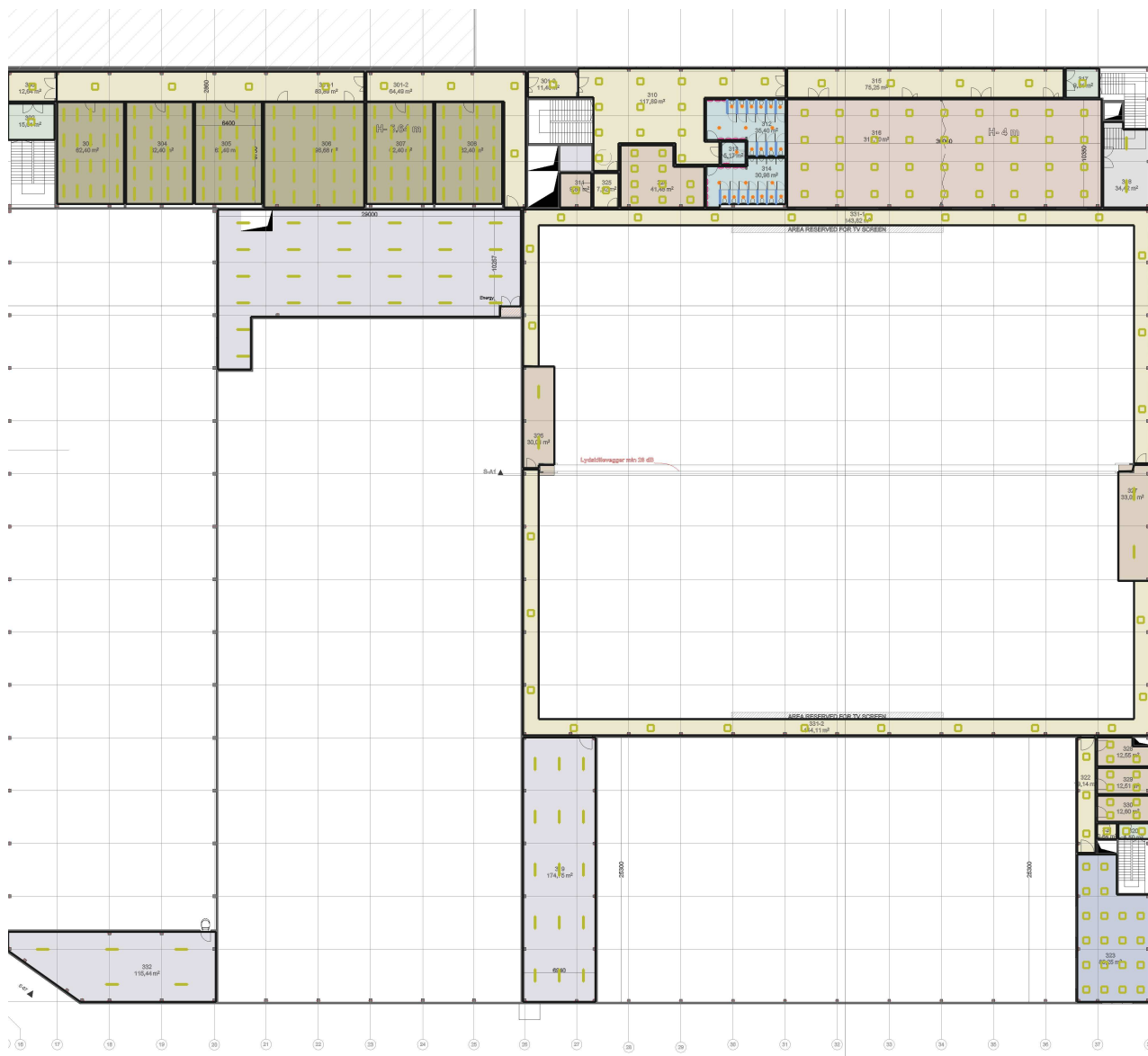


252 3 x Luminaires
 Total luminous flux of all lamps 13290 lm
 Total power 93.6 W
 Total power per area (115 m²) 0.82 W/m²
 Em 109 lx
 Emin 13 lx
 Emin/Eav (Uo) 0.12
 UGR <=28.4



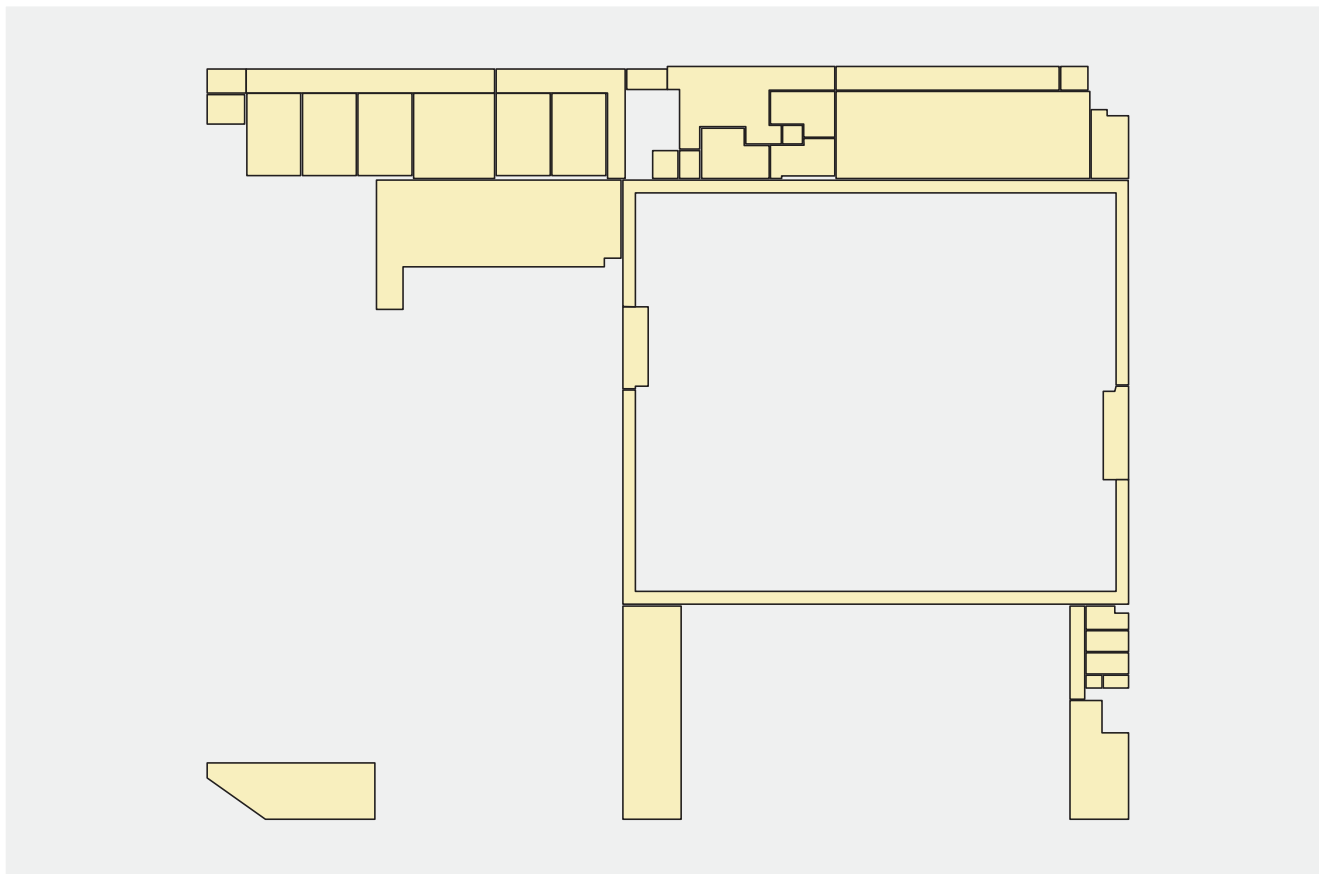
Description, Floor 1

.2 Floor plan



Summary, Floor 1




.3 Floor overview



Number of rooms	36	
Total area	2383 m ²	Calculated
Number of luminaires	357	
Total luminous flux of all lamps	1351294.8 lm	
Total power	11193.6 W	
Total power per area	4.70 W/m ²	


Parts list

Type No. Make

- | | | | |
|---|-----|---|--|
| 1 | 140 |  | LUCKY SSL
Order No. : FK-ML600X600-NW36-R1
Luminaire name : 4000K Epistar LED
Equipment : 1 x 36 W / 3611 lm |
| 2 | 24 |  | LUCKY SSL/2017-03-13 Eulumdat/Hopoo
Order No. : !FK-DL1700640
Luminaire name : FK-DL1700640
Equipment : 1 x Epistar LED 20.3 W / 2035.2 lm |
| 3 | 16 |  | DiLED
Order No. : 70 070 000 502
Luminaire name : Sabrina-9 LED 800
Equipment : 1 x 9 W / 800 lm |

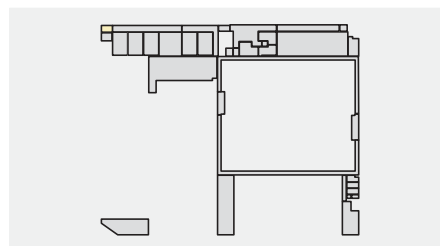
Summary, Floor 1

.3 Floor overview

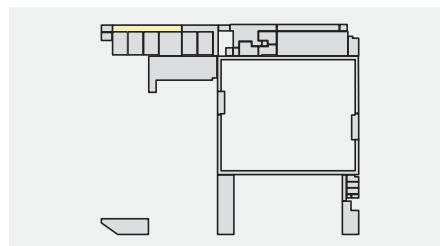
LUCKY SSL/2017-05-12 Eulumdat/Hopoo	
4	Order No. : FK-TL12-NW30-M3.ltd
177	Luminaire name : FK-TL12-NW30-M3
	Equipment : 1 x Epistar LED 31.2 W / 4430 lm

Rooms

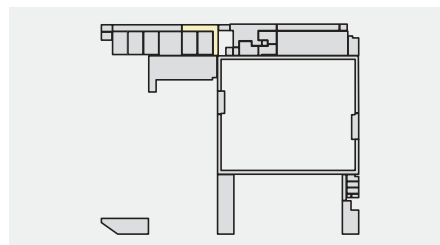
300	1 x Luminaires
Total luminous flux of all lamps	3611 lm
Total power	36 W
Total power per area (13 m ²)	2.71 W/m ²
Em	132 lx
Emin	66 lx
Emin/Eav (Uo)	0.50
UGR	<=17.6



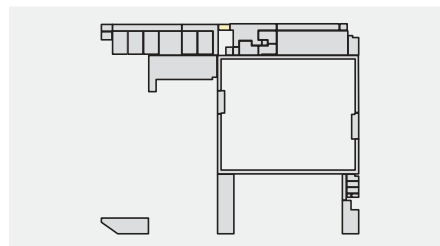
301-1	4 x Luminaires
Total luminous flux of all lamps	14444 lm
Total power	144 W
Total power per area (84 m ²)	1.71 W/m ²
Em	103 lx
Emin	30 lx
Emin/Eav (Uo)	0.29
UGR	<=19.6



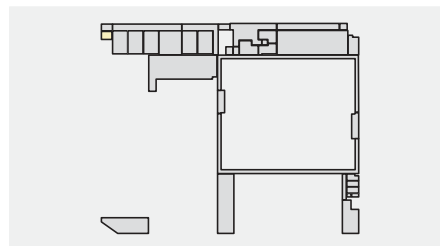
301-2	4 x Luminaires
Total luminous flux of all lamps	14444 lm
Total power	144 W
Total power per area (65 m ²)	2.23 W/m ²
Em	126 lx
Emin	18 lx
Emin/Eav (Uo)	0.14
UGR	---



301-3	1 x Luminaires
Total luminous flux of all lamps	3611 lm
Total power	36 W
Total power per area (12 m ²)	3.05 W/m ²
Em	138 lx
Emin	69 lx
Emin/Eav (Uo)	0.50
UGR	<=17.8



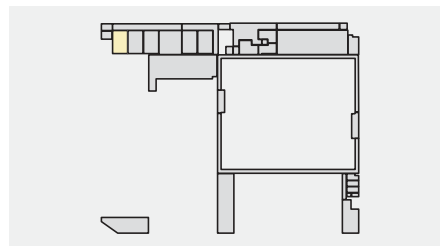
302	1 x Luminaires
Total luminous flux of all lamps	3611 lm
Total power	36 W
Total power per area (15 m ²)	2.33 W/m ²
Em	151 lx
Emin	97 lx
Emin/Eav (Uo)	0.64
UGR	<=17.4



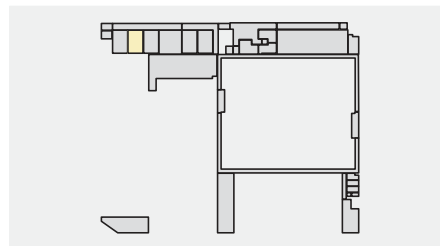
Summary, Floor 1

.3 Floor overview

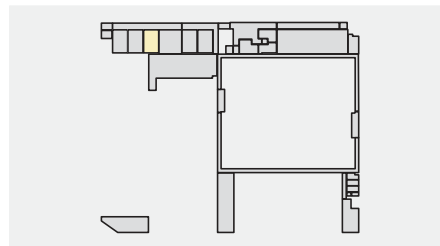
303 20 x Luminaires
 Total luminous flux of all lamps 88600 lm
 Total power 624 W
 Total power per area (62 m²) 10.00 W/m²
 Em 542 lx
 Emin 375 lx
 Emin/Eav (Uo) 0.69
 UGR <=21.7



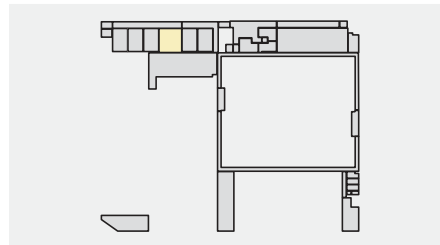
304 20 x Luminaires
 Total luminous flux of all lamps 88600 lm
 Total power 624 W
 Total power per area (62 m²) 10.00 W/m²
 Em 550 lx
 Emin 380 lx
 Emin/Eav (Uo) 0.69
 UGR <=21.7



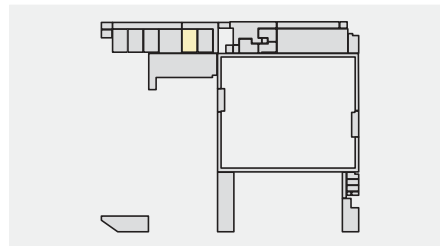
305 20 x Luminaires
 Total luminous flux of all lamps 88600 lm
 Total power 624 W
 Total power per area (62 m²) 10.00 W/m²
 Em 550 lx
 Emin 380 lx
 Emin/Eav (Uo) 0.69
 UGR <=21.7



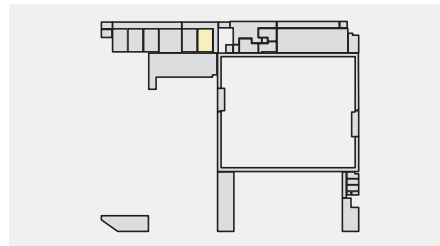
306 25 x Luminaires
 Total luminous flux of all lamps 110750 lm
 Total power 780 W
 Total power per area (97 m²) 8.05 W/m²
 Em 538 lx
 Emin 394 lx
 Emin/Eav (Uo) 0.73
 UGR <=21.9



307 20 x Luminaires
 Total luminous flux of all lamps 88600 lm
 Total power 624 W
 Total power per area (62 m²) 10.00 W/m²
 Em 550 lx
 Emin 380 lx
 Emin/Eav (Uo) 0.69
 UGR <=21.7



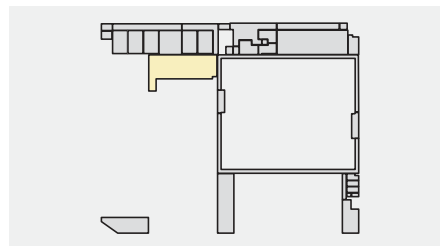
308 20 x Luminaires
 Total luminous flux of all lamps 88600 lm
 Total power 624 W
 Total power per area (62 m²) 10.00 W/m²
 Em 550 lx
 Emin 380 lx
 Emin/Eav (Uo) 0.69
 UGR <=21.7



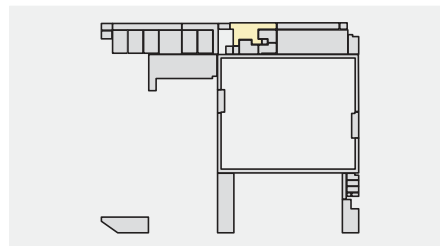
Summary, Floor 1

.3 Floor overview

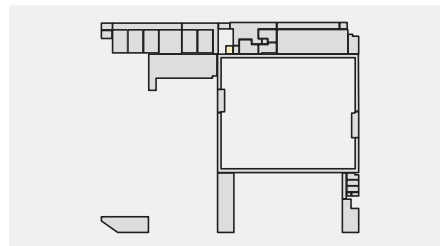
309 26 x Luminaires
 Total luminous flux of all lamps 115180 lm
 Total power 811.2 W
 Total power per area (311 m²) 2.61 W/m²
 Em 242 lx
 Emin 173 lx
 Emin/Eav (Uo) 0.72
 UGR ---



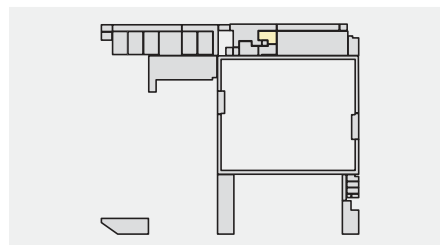
310 13 x Luminaires
 Total luminous flux of all lamps 46943 lm
 Total power 468 W
 Total power per area (117 m²) 4.00 W/m²
 Em 245 lx
 Emin 99 lx
 Emin/Eav (Uo) 0.40
 UGR ---



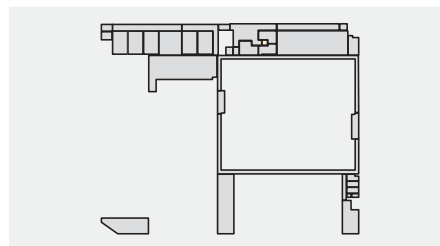
311 1 x Luminaires
 Total luminous flux of all lamps 3611 lm
 Total power 36 W
 Total power per area (10 m²) 3.64 W/m²
 Em 212 lx
 Emin 171 lx
 Emin/Eav (Uo) 0.80
 UGR <=16.6



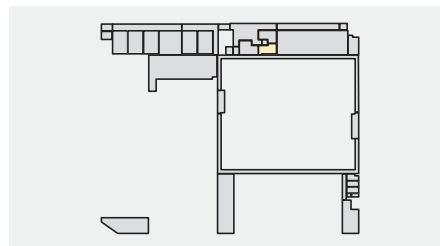
312 20 x Luminaires
 Total luminous flux of all lamps 32057.5977 lm
 Total power 326.9 W
 Total power per area (35 m²) 9.22 W/m²
 Em 244 lx
 Emin 90 lx
 Emin/Eav (Uo) 0.37
 UGR ---



313 2 x Luminaires
 Total luminous flux of all lamps 2835.19995 lm
 Total power 29.3 W
 Total power per area (5 m²) 5.67 W/m²
 Em 216 lx
 Emin 180 lx
 Emin/Eav (Uo) 0.83
 UGR ---



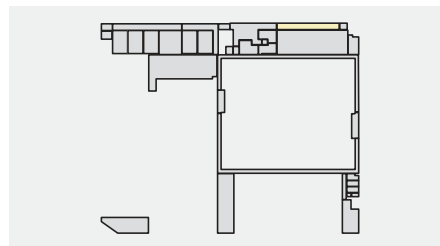
314 18 x Luminaires
 Total luminous flux of all lamps 26752 lm
 Total power 275 W
 Total power per area (31 m²) 8.87 W/m²
 Em 235 lx
 Emin 19 lx
 Emin/Eav (Uo) 0.08
 UGR ---



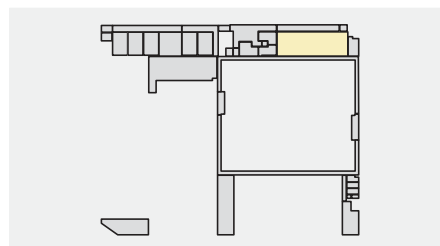
Summary, Floor 1

.3 Floor overview

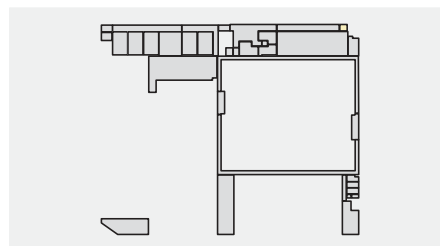
315 4 x Luminaires
 Total luminous flux of all lamps 14444 lm
 Total power 144 W
 Total power per area (74 m²) 1.94 W/m²
 Em 115 lx
 Emin 40 lx
 Emin/Eav (Uo) 0.35
 UGR <=19.5



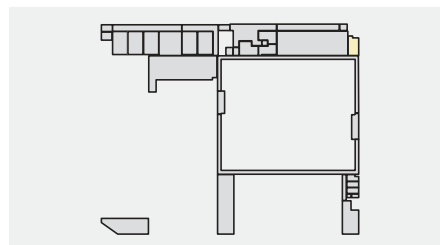
316 36 x Luminaires
 Total luminous flux of all lamps 129996 lm
 Total power 1296 W
 Total power per area (312 m²) 4.16 W/m²
 Em 304 lx
 Emin 201 lx
 Emin/Eav (Uo) 0.66
 UGR <=21.0



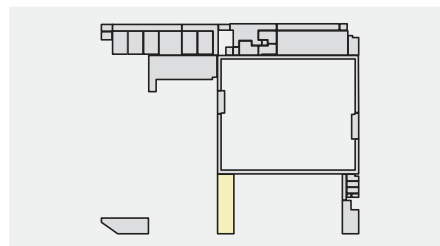
317 1 x Luminaires
 Total luminous flux of all lamps 3611 lm
 Total power 36 W
 Total power per area (9 m²) 4.01 W/m²
 Em 124 lx
 Emin 91 lx
 Emin/Eav (Uo) 0.73
 UGR <=16.6



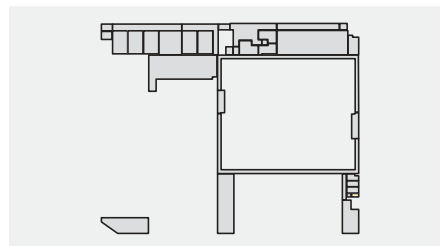
318 2 x Luminaires
 Total luminous flux of all lamps 8860 lm
 Total power 62.4 W
 Total power per area (35 m²) 1.81 W/m²
 Em 147 lx
 Emin 70 lx
 Emin/Eav (Uo) 0.48
 UGR <=24.4



319 15 x Luminaires
 Total luminous flux of all lamps 66450 lm
 Total power 468 W
 Total power per area (176 m²) 2.67 W/m²
 Em 219 lx
 Emin 136 lx
 Emin/Eav (Uo) 0.62
 UGR <=25.6



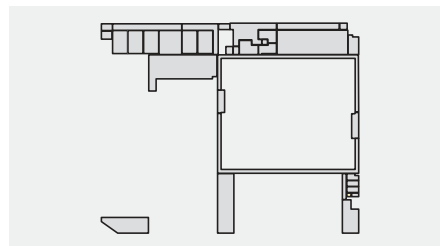
320 2 x Luminaires
 Total luminous flux of all lamps 7222 lm
 Total power 72 W
 Total power per area (5 m²) 16.00 W/m²
 Em 194 lx
 Emin 152 lx
 Emin/Eav (Uo) 0.79
 UGR <=16.6



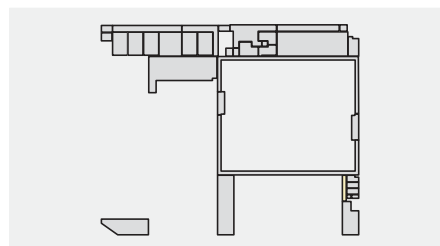
Summary, Floor 1

.3 Floor overview

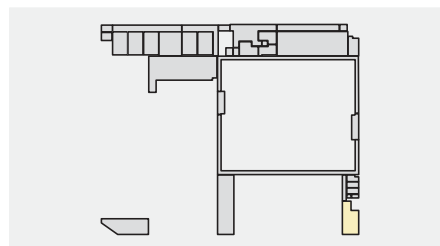
321 1 x Luminaires
 Total luminous flux of all lamps 3611 lm
 Total power 36 W
 Total power per area (3 m²) 12.70 W/m²
 Em 125 lx
 Emin 123 lx
 Emin/Eav (Uo) 0.98
 UGR <=16.6



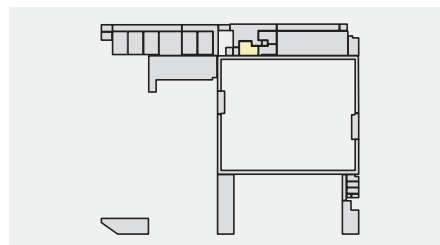
322 3 x Luminaires
 Total luminous flux of all lamps 10833 lm
 Total power 108 W
 Total power per area (19 m²) 5.59 W/m²
 Em 143 lx
 Emin 106 lx
 Emin/Eav (Uo) 0.74
 UGR <=18.6



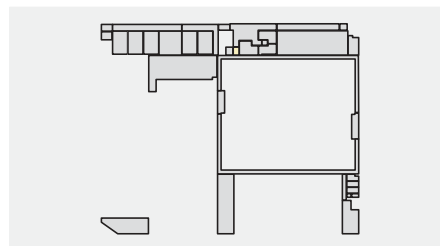
323 20 x Luminaires
 Total luminous flux of all lamps 72220 lm
 Total power 720 W
 Total power per area (86 m²) 8.39 W/m²
 Em 507 lx
 Emin 304 lx
 Emin/Eav (Uo) 0.60
 UGR <=19.3



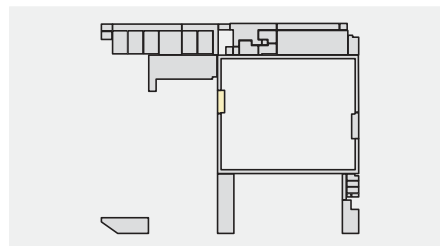
324 10 x Luminaires
 Total luminous flux of all lamps 36110 lm
 Total power 360 W
 Total power per area (42 m²) 8.64 W/m²
 Em 547 lx
 Emin 287 lx
 Emin/Eav (Uo) 0.52
 UGR <=19.7



325 1 x Luminaires
 Total luminous flux of all lamps 3611 lm
 Total power 36 W
 Total power per area (8 m²) 4.55 W/m²
 Em 129 lx
 Emin 98 lx
 Emin/Eav (Uo) 0.75
 UGR <=16.6



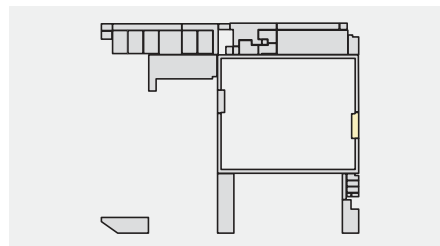
326 2 x Luminaires
 Total luminous flux of all lamps 8860 lm
 Total power 62.4 W
 Total power per area (29 m²) 2.17 W/m²
 Em 126 lx
 Emin 0.0 lx
 Emin/Eav (Uo) ---
 UGR <=24.8



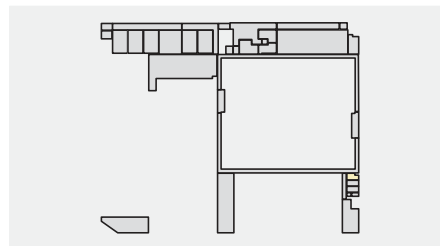
Summary, Floor 1

.3 Floor overview

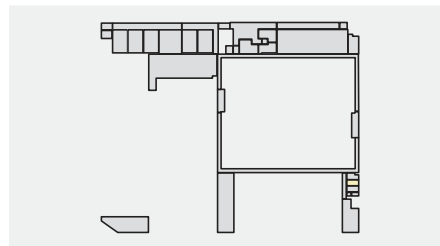
327 2 x Luminaires
 Total luminous flux of all lamps 8860 lm
 Total power 62.4 W
 Total power per area (32 m²) 1.92 W/m²
 Em 116 lx
 Emin 57 lx
 Emin/Eav (Uo) 0.49
 UGR <=25.1



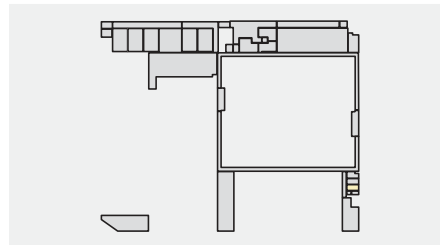
328 3 x Luminaires
 Total luminous flux of all lamps 10833 lm
 Total power 108 W
 Total power per area (13 m²) 8.61 W/m²
 Em 527 lx
 Emin 369 lx
 Emin/Eav (Uo) 0.70
 UGR <=18.9



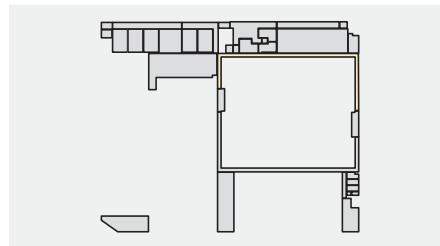
329 4 x Luminaires
 Total luminous flux of all lamps 14444 lm
 Total power 144 W
 Total power per area (13 m²) 11.43 W/m²
 Em 530 lx
 Emin 448 lx
 Emin/Eav (Uo) 0.84
 UGR <=18.0



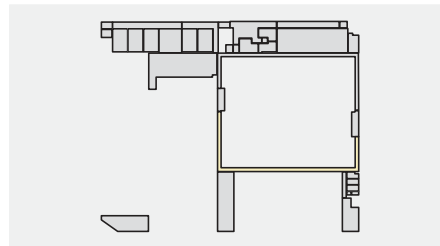
330 4 x Luminaires
 Total luminous flux of all lamps 14444 lm
 Total power 144 W
 Total power per area (13 m²) 11.43 W/m²
 Em 530 lx
 Emin 448 lx
 Emin/Eav (Uo) 0.84
 UGR <=18.0



331-1 13 x Luminaires
 Total luminous flux of all lamps 46943 lm
 Total power 468 W
 Total power per area (144 m²) 3.25 W/m²
 Em 126 lx
 Emin 51 lx
 Emin/Eav (Uo) 0.41
 UGR ---



331-2 13 x Luminaires
 Total luminous flux of all lamps 46943 lm
 Total power 468 W
 Total power per area (149 m²) 3.15 W/m²
 Em 112 lx
 Emin 9 lx
 Emin/Eav (Uo) 0.08
 UGR ---



Object : Myrdal Arena 3ETG
Installation :
Project number : 20180088
Date : 18.05.2018



Summary, Floor 1

.3 Floor overview

332	5 x Luminaires
Total luminous flux of all lamps	22150 lm
Total power	156 W
Total power per area (116 m ²)	1.34 W/m ²
Em	114 lx
Emin	57 lx
Emin/Eav (Uo)	0.50
UGR	<=25.4

