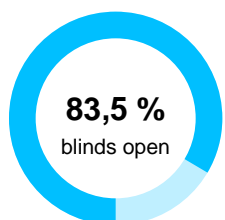
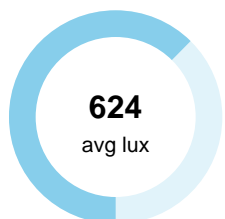
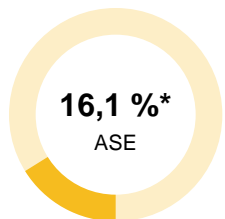
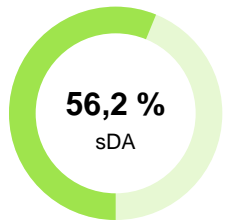
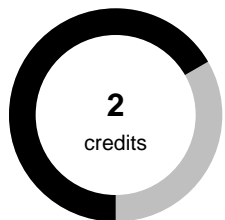
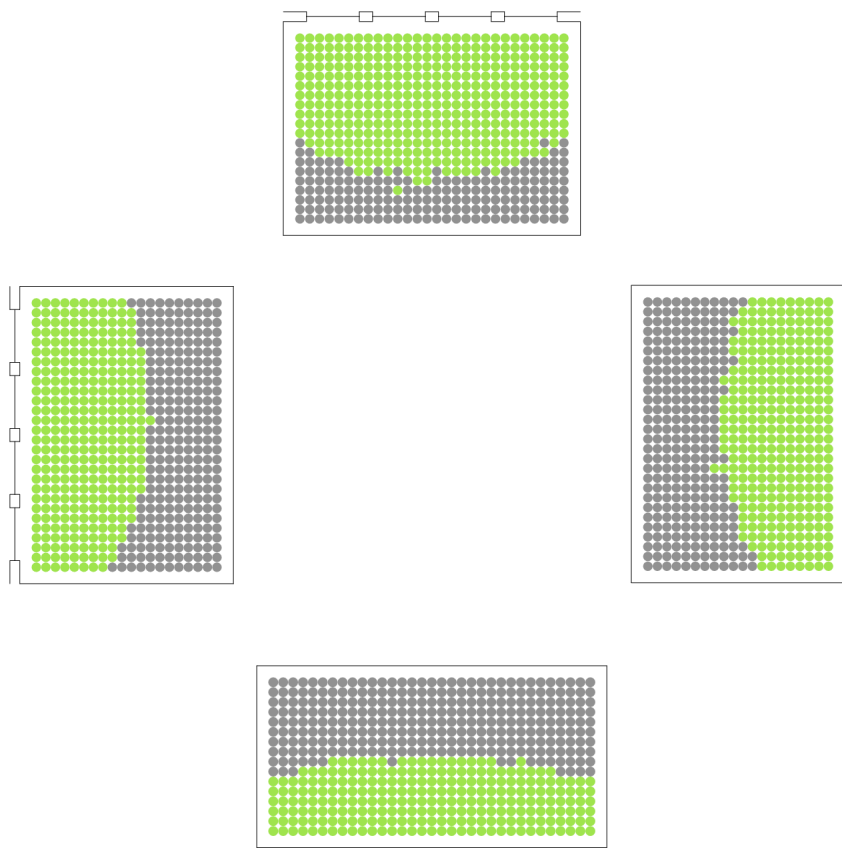


# Oslo med endring 3 - 1,9 x 1,9 vinduer

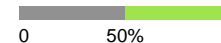


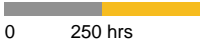
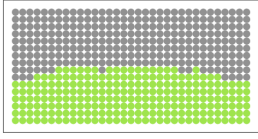
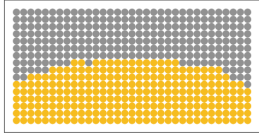
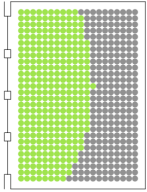
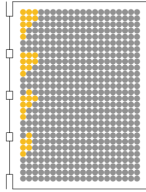
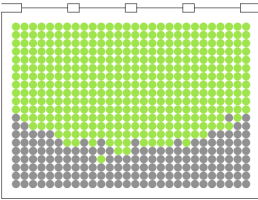
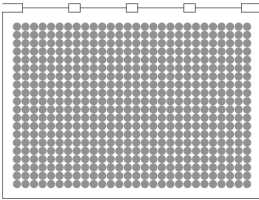
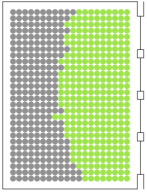
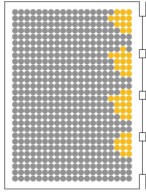
\* ASE > 10% in one or more spaces. The design addresses glare in these areas as follows:

Simulering av Oslo med endring 3:  
Rommene mot nord, øst og vest forblir uendret fra endring 1.  
Følgende endring gjelder for rommet mot sør:  
5 vinduer på 1,9 x 1,9 meter og areal på 5,5m x 10,6m.



Daylight Autonomy (300 lux)



Space ID & Description	Area	Spacing	Shading	 0 50%	sDA	 0 250 hrs	ASE
Oslo South	628 ft <sup>2</sup>	1,0 ft	Y		45,64 %		49,81 %
Oslo West	626 ft <sup>2</sup>	1,0 ft	Y		56,07 %		5,89 %
Oslo North	626 ft <sup>2</sup>	1,0 ft	Y		69,46 %		0,00 %
Oslo East	626 ft <sup>2</sup>	1,0 ft	Y		53,57 %		8,75 %
Totals	2506 ft <sup>2</sup>				56,18 %		16,13 %

<b>Software:</b>	ClimateStudio v1.9.8389.21977
<b>Engine:</b>	Radiance 5.3
<b>Weather:</b>	NOR_OS_Oslo-Fornebu.AP.014881_TMYx.2004-2018.epw
<b>North Offset:</b>	0°
<b>Ambient Bounces:</b>	7
<b>Passes Completed:</b>	100
<b>Primary Ambient Samples:</b>	6500

### Layer Materials

Layer	Objects	Material	Rvis	Tvis
External wall	4	● Grey Exterior Facade Panels	46,2 %	0,0 %
External wall::Windowsill	48	● Grey Aluminium Window Frame	43,3 %	0,0 %
Internal wall	36	● Wall LM83	50,0 %	0,0 %
Internal wall::Windowsill	48	● Wall LM83	50,0 %	0,0 %
Ceiling	4	● Ceiling LM83	70,0 %	0,0 %
Floor	4	● Dark Grey Floor Tiles	20,1 %	0,0 %
Ground	1	● Bark 3	20,6 %	0,0 %

### Window Groups

ID	Space ID	Area	Material	Tvis	Shade Material	Operation	Blinds Open
0	Oslo	194 ft²	● Starphire - Sungate 400 (3) on St	71,3 %	sheerWeave 2390 Performance + V22 Charcoal Gr	Default (LEEDv4 2% Rule)	66,63 %
1	Oslo	124 ft²	● Starphire - Sungate 400 (3) on St	71,3 %	sheerWeave 2390 Performance + V22 Charcoal Gr	Default (LEEDv4 2% Rule)	89,40 %
2	Oslo	124 ft²	● Starphire - Sungate 400 (3) on St	71,3 %	sheerWeave 2390 Performance + V22 Charcoal Gr	Default (LEEDv4 2% Rule)	100,00 %
3	Oslo	124 ft²	● Starphire - Sungate 400 (3) on St	71,3 %	sheerWeave 2390 Performance + V22 Charcoal Gr	Default (LEEDv4 2% Rule)	87,53 %

### Occupancy

Space ID	Occupancy Schedule
Oslo	8am-6pm with DST
Oslo	8am-6pm with DST
Oslo	8am-6pm with DST
Oslo	8am-6pm with DST

### Glossary

- sDA:** Spatial Daylight Autonomy: Percent of space receiving at least 300 lux for at least 50% of occupied hours. Calculation includes dynamic shading if modeled.
- ASE:** Annual Sunlight Exposure: Percent of space receiving at least 1000 lux direct sun for at least 250 occupied hours. Calculation excludes dynamic shading.
- Avg Lux:** Mean workplane illuminance during occupied hours. Calculation includes dynamic shading if modeled.
- Blinds open:** Percent of occupied hours blinds are open (or dynamic glass is in clearest state). Building total is window-area weighted.
- Shading:** (Y/N) Does the space have dynamic blinds or dynamic glazing? If yes, shading operation affects sDA but not ASE. The value must be yes for all perimeter spaces -- otherwise an explanation must be supplied via written addendum.