

## Light calculation with Son Agro bulb

Customer Monsees  
 Dealer  
 Dimensions 1 X 2.5' X 4'  
 Calculation number 1  
 Date 15-12-2000  
 Drawing number

### Luminaire information:

no	type	luminous flux [lm]	x [ft]	y [ft]	z [ft]	rx	ry	rz
0	PL2000 MIDI 4300W Grid: 3 x 3 armatures, configuration: 2.50 ft x 4.00 ft	53000	2.50	4.00	1.75	0.00	0.00	90.00

### Illumination:

average (Eav):	4384 fcd
minimum (Emin):	4033 fcd
maximum (Emax):	4701 fcd
Emin/Emax:	85.8 %
Emin/Eav:	92.0 %

### Calculation plane:

4211	4206	4201	4170	4135	4089	4120	4188	4207	4225	4206
4379	4409	4348	4323	4262	4240	4267	4356	4390	4416	4374
4583	4632	4635	4645	4625	4620	4641	4701	4694	4663	4580
4298	4295	4288	4336	4428	4468	4477	4474	4408	4343	4296
4106	4122	4182	4291	4431	4550	4575	4501	4323	4173	4108
4033	4068	4114	4269	4397	<u>4523</u>	4549	4474	4336	4141	4042
4106	4122	4182	4291	4431	4550	4575	4501	4323	4173	4108
4298	4295	4288	4336	4428	4468	4477	4474	4408	4343	4296
4583	4632	4635	4645	4625	4620	4641	4701	4694	4663	4580
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4211	4206	4201	4170	4135	4089	4120	4188	4207	4225	4206

Fixtures vertical in tabel.

The underlined numbers show the position of the Fixtures in the calculation field.

This calculation is made with one exact measured light fixture in a perfect condition.

Because of this you may experience some variance in lightlevel due to voltage loss, dust, mounting, temperature, greenhouse installation and tolerance of bulb and ballast unit.

1/2 (1 x 2.5' x 4')

## Light calculation with 430 Hortilux bulb

Customer OXFORD PRODUCTS  
 Dealer  
 Dimensions 1 X 2.5' X 4'  
 Calculation number 1  
 Calculator Peter Berkhout  
 Date 15-12-2000  
 Drawing number

### Luminaire information:

no	type	luminous flux [lm]	x [ft]	y [ft]	z [ft]	rx	ry	rz
0	PL2000 MIDI 430W HORT Grid: 3 x 3 armatures, configuration: 2.50 ft x 4.00 ft	57000	2.50	4.00	1.75	0.00	0.00	90.00

### Illumination:

average (Eav):	4715 fcd
minimum (Emin):	4337 fcd
maximum (Emax):	5056 fcd
Emin/Emax:	85.8 %
Emin/Eav:	92.0 %

### Calculation plane:

4529	4523	4519	4485	4447	4398	4431	4504	4525	4544	4523
4709	4742	4676	4649	4583	4560	4589	4685	4721	4749	4704
4928	4981	4985	4996	4974	4969	4991	5056	5049	5015	4925
4623	4619	4612	4663	4763	4805	4815	4811	4741	4670	4620
4416	4433	4498	4615	4766	4894	4920	4840	4649	4488	4418
4337	4375	4425	4591	4729	<u>4865</u>	4892	4812	4663	4454	4347
4416	4433	4498	4615	4766	4894	4920	4840	4649	4488	4418
4623	4619	4612	4663	4763	4805	4815	4811	4741	4670	4620
4928	4981	4985	4996	4974	4969	4991	5056	5049	5015	4925
4709	4742	4676	4649	4583	4560	4589	4685	4721	4749	4704
4529	4523	4519	4485	4447	4398	4431	4504	4525	4544	4523

Fixtures vertical in tabel.

The underlined numbers show the position of the Fixtures in the calculation field.

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1/2 (1 x 2.5' x 4')