

**Luminaire**

Code 90442L008

Name VEGA SQ /E Q100 PRISM+ 940 LO

**Measurem.**

Code 9/2/2023

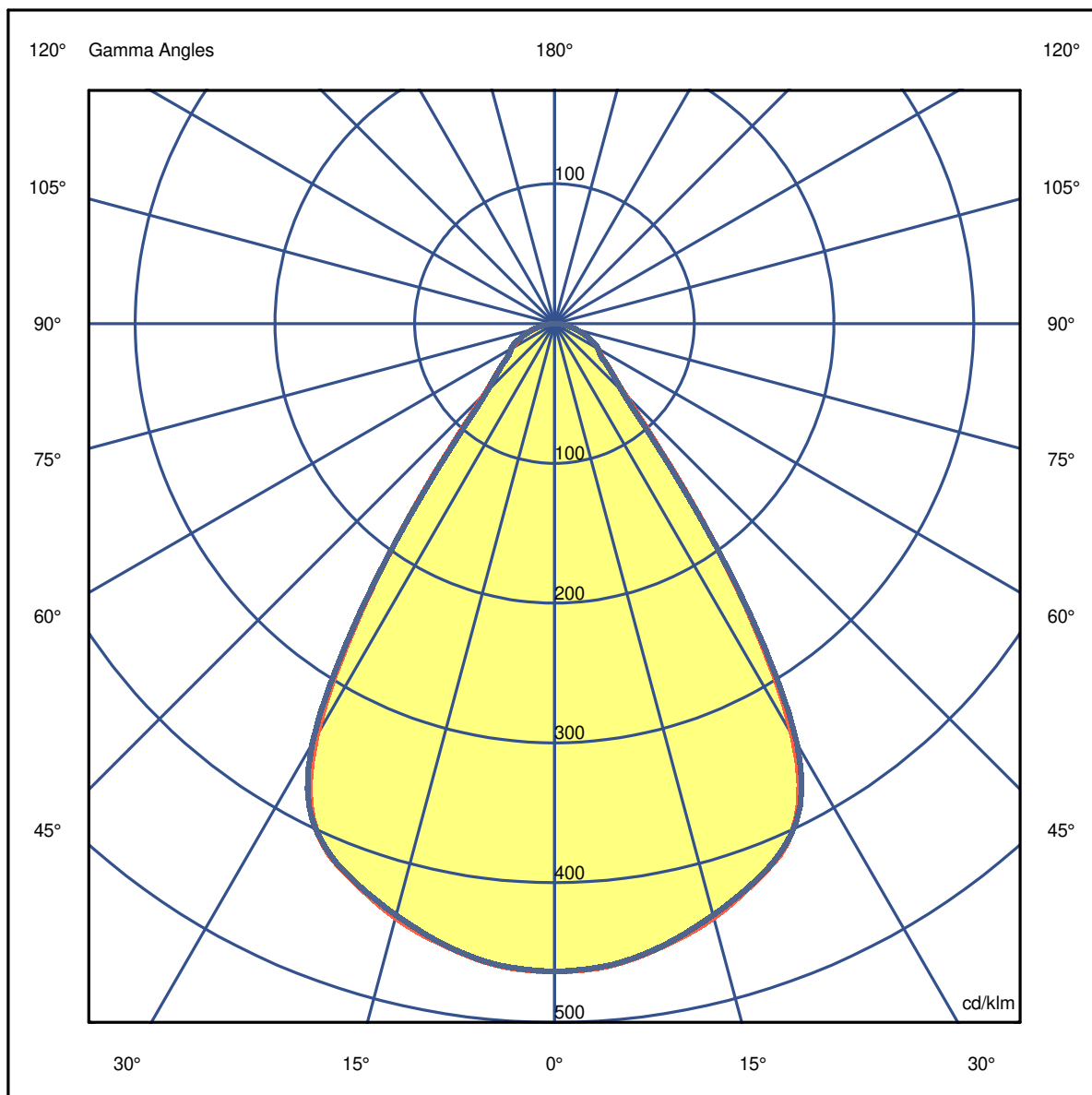
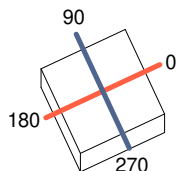
Name VEGA SQ /E Q100 PRISM+ 940 LO

Luminaire Flux	708 lm	Luminaire Power	6.5 W	Efficacy	108.315 lm/W	Efficiency	67.66%
Source Flux	1047 lm	Maximum value	463.60 cd/klm	Position	C=0.00 G=0.00	CG	Double Symmetrical

100mm x 100mm

C Halfplanes

180.0 ————— 0.0  
270.0 ————— 90.0



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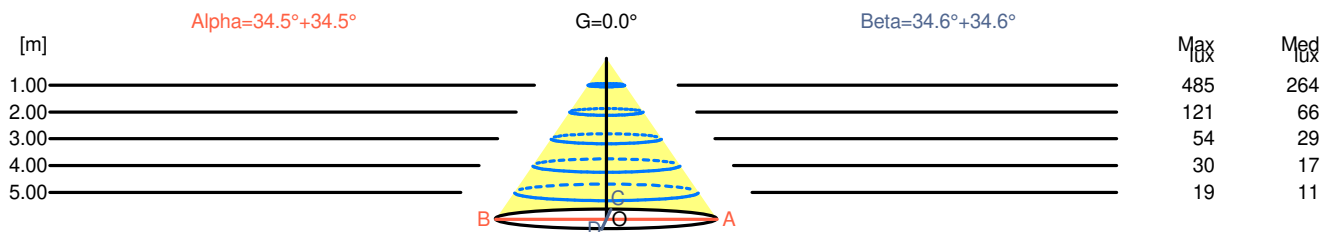
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Width at 50.00 % of Max Intensity

H[m]	1.00	2.00	3.00	4.00	5.00	H[m]	1.00	2.00	3.00	4.00	5.00
OA	0.69	1.38	2.06	2.75	3.44	OC	0.69	1.38	2.07	2.76	3.45
OB	0.69	1.38	2.06	2.75	3.44	OD	0.69	1.38	2.07	2.76	3.45

	Luminous Intensities [ cd/klm]									
	0	5	15	25	35	45	55	65	75	85
OA	485.39	482.67	460.78	420.79	230.44	73.71	42.82	30.89	16.33	4.50
OB	485.39	482.67	460.78	420.79	230.44	73.71	42.82	30.89	16.33	4.50
OC	485.39	482.14	458.69	420.68	232.54	71.61	42.19	31.20	16.44	3.98
OD	485.39	482.14	458.69	420.68	232.54	71.61	42.19	31.20	16.44	3.98



H[m]	D[m]	Max lux	Med lux	Alpha=34.5°+34.5°	G=0.0
1.00	1.38	485	264		
2.00	2.75	121	66		
3.00	4.13	54	29		
4.00	5.51	30	17		
5.00	6.88	19	11		

H[m]	D[m]	Max lux	Med lux	Beta=34.6°+34.6°	G=0.0
1.00	1.38	485	264		
2.00	2.76	121	66		
3.00	4.15	54	29		
4.00	5.53	30	17		
5.00	6.91	19	11		

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Source Flux	1047 lm	Maximum value	463.60 cd/klm	Position	C=0.00 G=0.00	CG	Double Symmetrical

**UGR**  
S = 0.250

Reflectancies										
Ceiling/Cavity	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Walls	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Working Plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room Dimensions	Lateral View					Viewed Endwise				
x=2H y=2H	17.0	17.9	17.3	18.1	18.4	17.1	18.0	17.3	18.2	18.4
x=2H y=3H	17.5	18.3	17.8	18.5	18.8	17.5	18.3	17.8	18.6	18.8
x=2H y=4H	17.6	18.4	17.9	18.7	18.9	17.6	18.4	18.0	18.7	19.0
x=2H y=6H	17.7	18.4	18.0	18.7	19.0	17.7	18.4	18.1	18.7	19.0
x=2H y=8H	17.7	18.4	18.0	18.7	19.0	17.7	18.4	18.1	18.7	19.0
x=2H y=12H	17.7	18.3	18.0	18.7	19.0	17.7	18.4	18.1	18.7	19.0
x=4H y=2H	17.1	17.9	17.4	18.2	18.4	17.1	17.9	17.5	18.2	18.4
x=4H y=3H	17.7	18.3	18.0	18.6	19.0	17.7	18.4	18.1	18.7	19.0
x=4H y=4H	17.9	18.5	18.3	18.8	19.2	17.9	18.5	18.3	18.9	19.2
x=4H y=6H	18.0	18.5	18.4	18.9	19.3	18.1	18.6	18.5	18.9	19.3
x=4H y=8H	18.1	18.5	18.5	18.9	19.3	18.1	18.5	18.5	18.9	19.3
x=4H y=12H	18.1	18.5	18.5	18.9	19.3	18.1	18.5	18.5	18.9	19.3
x=8H y=4H	17.9	18.4	18.3	18.8	19.2	18.0	18.4	18.4	18.8	19.2
x=8H y=6H	18.1	18.5	18.6	18.9	19.3	18.2	18.5	18.6	18.9	19.4
x=8H y=8H	18.2	18.5	18.6	18.9	19.4	18.2	18.5	18.7	18.9	19.4
x=8H y=12H	18.2	18.4	18.6	18.9	19.4	18.2	18.4	18.7	18.9	19.4
x=12H y=4H	17.9	18.3	18.4	18.7	19.1	17.9	18.3	18.4	18.7	19.2
x=12H y=6H	18.1	18.4	18.6	18.8	19.3	18.1	18.4	18.6	18.9	19.3
x=12H y=8H	18.1	18.4	18.6	18.9	19.3	18.2	18.4	18.6	18.9	19.4

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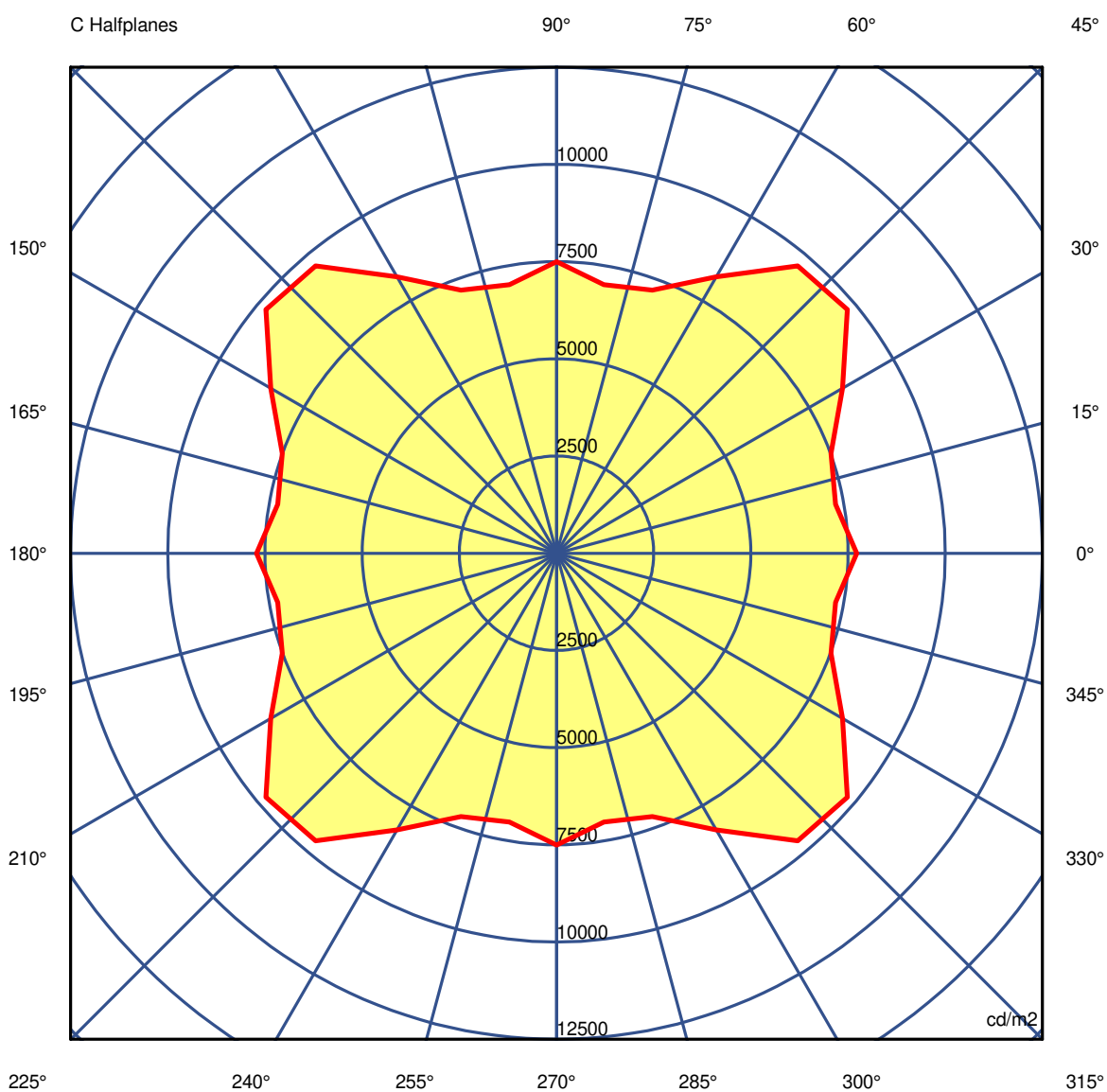
**Measurem.**

Code 9/2/2023

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Luminaire Flux	708 lm	Luminaire Power	6.5 W	Efficacy	108.315 lm/W	Efficiency	67.66%
Source Flux	1047 lm	Maximum value	463.60 cd/klm	Position	C=0.00 G=0.00	CG Double Symmetrical	

Luminance



45.0°

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Source Flux	1047 lm		Maximum value		463.60 cd/klm		Position		C=0.00 G=0.00		CG		Double Symmetrical	
Luminance cd/m2														
Table 1/3														
	C 0.00	C 10.00	C 20.00	C 30.00	C 40.00	C 50.00	C 60.00	C 70.00	C 80.00	C 90.00	C 100.00	C 110.00	C 120.00	
G 0.0	91084	91084	91084	91084	91084	91084	91084	91084	91084	91084	91084	91084	91084	
G 5.0	80160	78794	77606	76698	76335	76361	76732	77521	78648	80073	78648	77521	76732	
G 10.0	70959	68615	66881	65770	65300	65299	65785	66938	68649	70880	68649	66938	65785	
G 15.0	63438	60547	58450	57104	56495	56496	57104	58430	60434	63150	60434	58430	57104	
G 20.0	56818	53765	51548	50004	49213	49215	49993	51490	53715	56778	53715	51490	49993	
G 25.0	50789	47601	45339	43854	43101	43107	43865	45335	47586	50776	47586	45335	43865	
G 30.0	40975	38551	37500	37427	37528	37677	37879	38233	39385	41709	39385	38233	37879	
G 35.0	25450	24508	25291	27586	29970	30307	28335	25845	24788	25681	24788	25845	28335	
G 40.0	13130	12647	13691	16233	18921	18795	15917	13331	12283	12726	12283	13331	15917	
G 45.0	7719	7283	7512	8490	9761	9650	8212	7205	7015	7499	7015	7205	8212	
G 50.0	5673	5230	5102	5226	5403	5354	5121	5036	5205	5641	5205	5036	5121	
G 55.0	4390	3998	3807	3792	3773	3777	3800	3814	3959	4326	3959	3814	3800	
G 60.0	3836	3440	3179	3013	2935	2928	3004	3194	3468	3868	3468	3194	3004	
G 65.0	3197	2867	2644	2488	2390	2396	2504	2669	2896	3229	2896	2669	2504	
G 70.0	2467	2202	2029	1912	1841	1847	1929	2054	2232	2500	2232	2054	1929	
G 75.0	1761	1558	1432	1351	1300	1303	1360	1448	1577	1772	1577	1448	1360	
G 80.0	1108	977	896	843	806	803	834	886	967	1096	967	886	834	
G 85.0	523	464	421	388	371	365	370	394	426	462	426	394	370	
G 90.0	115	99	90	84	77	66	56	60	64	64	64	60	56	

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Source Flux	1047 lm		Maximum value		463.60 cd/klm		Position		C=0.00 G=0.00		CG		Double Symmetrical	
Luminance cd/m2														
Table 2/3														
	C 130.00	C 140.00	C 150.00	C 160.00	C 170.00	C 180.00	C 190.00	C 200.00	C 210.00	C 220.00	C 230.00	C 240.00	C 250.00	
G 0.0	91084	91084	91084	91084	91084	91084	91084	91084	91084	91084	91084	91084	91084	
G 5.0	76361	76335	76698	77606	78794	80160	78794	77606	76698	76335	76361	76732	77521	
G 10.0	65299	65300	65770	66881	68615	70959	68615	66881	65770	65300	65299	65785	66938	
G 15.0	56496	56495	57104	58450	60547	63438	60547	58450	57104	56495	56496	57104	58430	
G 20.0	49215	49213	50004	51548	53765	56818	53765	51548	50004	49213	49215	49993	51490	
G 25.0	43107	43101	43854	45339	47601	50789	47601	45339	43854	43101	43107	43865	45335	
G 30.0	37677	37528	37427	37500	38551	40975	38551	37500	37427	37528	37677	37879	38233	
G 35.0	30307	29970	27586	25291	24508	25450	24508	25291	27586	29970	30307	28335	25845	
G 40.0	18795	18921	16233	13691	12647	13130	12647	13691	16233	18921	18795	15917	13331	
G 45.0	9650	9761	8490	7512	7283	7719	7283	7512	8490	9761	9650	8212	7205	
G 50.0	5354	5403	5226	5102	5230	5673	5230	5102	5226	5403	5354	5121	5036	
G 55.0	3777	3773	3792	3807	3998	4390	3998	3807	3792	3773	3777	3800	3814	
G 60.0	2928	2935	3013	3179	3440	3836	3440	3179	3013	2935	2928	3004	3194	
G 65.0	2396	2390	2488	2644	2867	3197	2867	2644	2488	2390	2396	2504	2669	
G 70.0	1847	1841	1912	2029	2202	2467	2202	2029	1912	1841	1847	1929	2054	
G 75.0	1303	1300	1351	1432	1558	1761	1558	1432	1351	1300	1303	1360	1448	
G 80.0	803	806	843	896	977	1108	977	896	843	806	803	834	886	
G 85.0	365	371	388	421	464	523	464	421	388	371	365	370	394	
G 90.0	66	77	84	90	99	115	99	90	84	77	66	56	60	

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Luminance cd/m2 Table 3/3

	C 260.00	C 270.00	C 280.00	C 290.00	C 300.00	C 310.00	C 320.00	C 330.00	C 340.00	C 350.00
G 0.0	91084	91084	91084	91084	91084	91084	91084	91084	91084	91084
G 5.0	78648	80073	78648	77521	76732	76361	76335	76698	77606	78794
G 10.0	68649	70880	68649	66938	65785	65299	65300	65770	66881	68615
G 15.0	60434	63150	60434	58430	57104	56496	56495	57104	58450	60547
G 20.0	53715	56778	53715	51490	49993	49215	49213	50004	51548	53765
G 25.0	47586	50776	47586	45335	43865	43107	43101	43854	45339	47601
G 30.0	39385	41709	39385	38233	37879	37677	37528	37427	37500	38551
G 35.0	24788	25681	24788	25845	28335	30307	29970	27586	25291	24508
G 40.0	12283	12726	12283	13331	15917	18795	18921	16233	13691	12647
G 45.0	7015	7499	7015	7205	8212	9650	9761	8490	7512	7283
G 50.0	5205	5641	5205	5036	5121	5354	5403	5226	5102	5230
G 55.0	3959	4326	3959	3814	3800	3777	3773	3792	3807	3998
G 60.0	3468	3868	3468	3194	3004	2928	2935	3013	3179	3440
G 65.0	2896	3229	2896	2669	2504	2396	2390	2488	2644	2867
G 70.0	2232	2500	2232	2054	1929	1847	1841	1912	2029	2202
G 75.0	1577	1772	1577	1448	1360	1303	1300	1351	1432	1558
G 80.0	967	1096	967	886	834	803	806	843	896	977
G 85.0	426	462	426	394	370	365	371	388	421	464
G 90.0	64	64	64	60	56	66	77	84	90	99