

## PHOTOMETRIC RESULTS

<b>Name:</b>	VEGA Sq Q100 LIGHT+ HF 940 W LO		
<b>Number:</b>	01	<b>Diameter:</b>	0 mm
<b>Report:</b>	23-04-2019	<b>Length:</b>	100 mm
<b>Meas.-no.:</b>	01	<b>Width:</b>	100 mm
<b>Lamp type:</b>	LED 940 - 01	<b>Height:</b>	200 mm
<b>Number:</b>	1	<b>Power:</b>	7,51 W
<b>Lamp flux:</b>	780,00 lm	<b>Operator:</b>	INDEL AGUE GROUP
<b>Date:</b>	23-04-2019 15:40:45	<b>Output ratio:</b>	71,9 %

## Protocol

**LiTG-class:** A40  
**UTE-class:** 0,72 D  
**IES-class:** 53 - 83 - 97 - 100 - 72  
**TM5-class:** BZ4

<b>Divergences in the plane through maximum intensity:</b>	Horizontal	Vertical
<b>One half peak divergence</b>	92,9°	92,1°
<b>Half peak side angle (left)</b>	-46,4°	-46,1°
<b>Half peak side angle (right)</b>	46,4°	46,1°
<b>One tenth peak divergence</b>	153,9°	154,0°
<b>Tenth peak side angle (left)</b>	-77,0°	-77,0°
<b>Tenth peak side angle (right)</b>	77,0°	77,0°

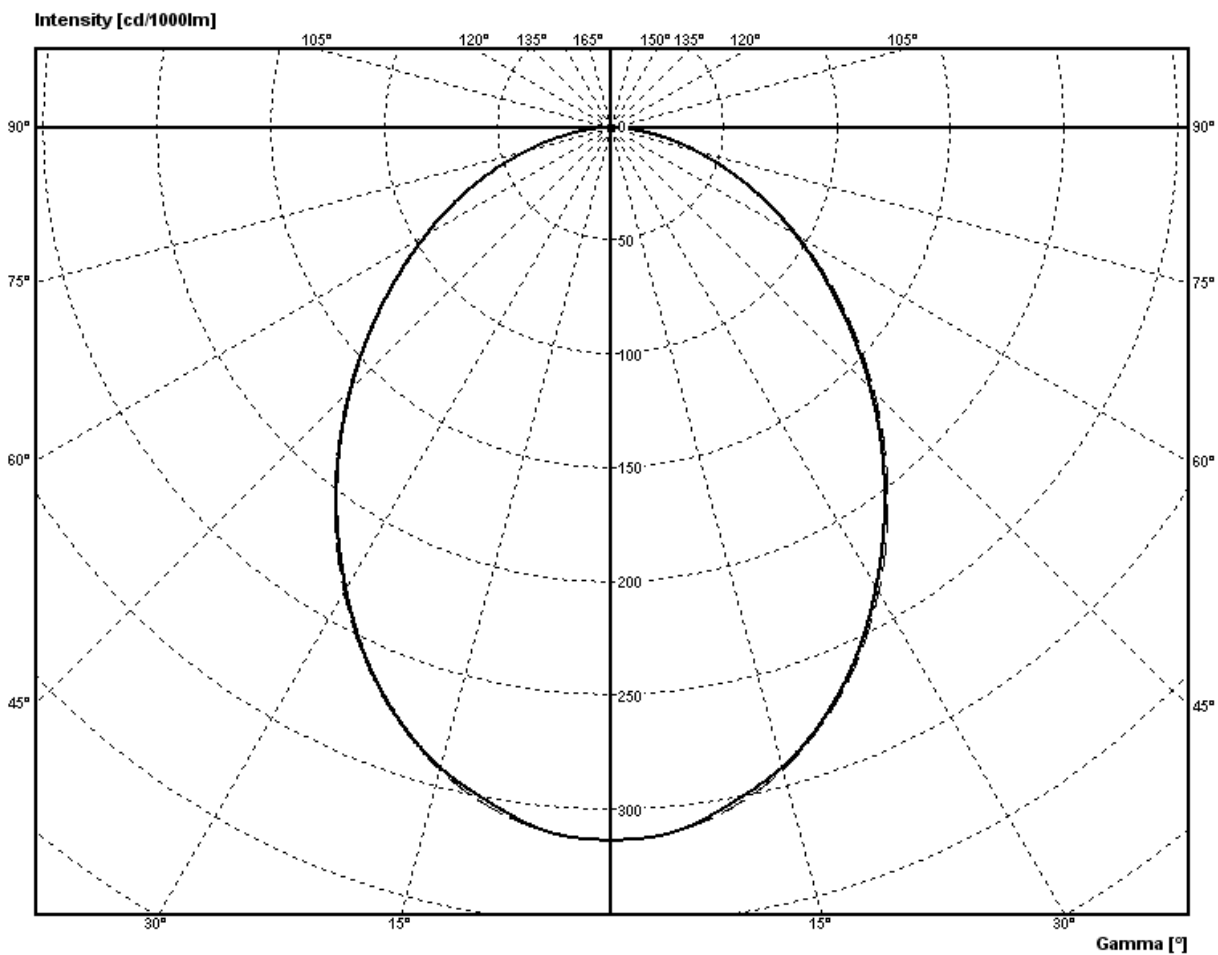
<b>C-planes:</b>	0,0°	15,0°	30,0°	45,0°	60,0°	75,0°	90,0°	105,0°	120,0°	135,0°
	150,0°	165,0°	180,0°	195,0°	210,0°	225,0°	240,0°	255,0°	270,0°	285,0°
	300,0°	315,0°	330,0°	345,0°						

<b>Gamma:</b>	0,0°	5,0°	10,0°	15,0°	20,0°	25,0°	30,0°	35,0°	40,0°	45,0°
	50,0°	55,0°	60,0°	65,0°	70,0°	75,0°	80,0°	85,0°	90,0°	

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Polar diagram VEGA Sq Q100 LIGHT+ HF 940 W LO / Direct in 15° C / 5° G



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## UGR Unified Glare Ratios

<b>Ceiling reflectance</b>		<b>0,7</b>	<b>0,7</b>	<b>0,5</b>	<b>0,5</b>	<b>0,3</b>	<b>0,7</b>	<b>0,7</b>	<b>0,5</b>	<b>0,5</b>	<b>0,3</b>
<b>Wall reflectance</b>		<b>0,5</b>	<b>0,3</b>	<b>0,5</b>	<b>0,3</b>	<b>0,3</b>	<b>0,5</b>	<b>0,3</b>	<b>0,5</b>	<b>0,3</b>	<b>0,3</b>
<b>Floor cavity reflectance</b>		<b>0,2</b>	<b>0,2</b>	<b>0,2</b>	<b>0,2</b>	<b>0,2</b>	<b>0,2</b>	<b>0,2</b>	<b>0,2</b>	<b>0,2</b>	<b>0,2</b>
<b>Room dimension</b>		Viewed crosswise					Viewed endwise				
<b>2H</b>	<b>2H</b>	17,9	19,5	18,3	19,8	20,1	17,9	19,5	18,3	19,8	20,1
<b>2H</b>	<b>3H</b>	18,8	20,2	19,1	20,5	20,9	18,8	20,2	19,2	20,5	20,9
<b>2H</b>	<b>4H</b>	19,0	20,4	19,4	20,7	21,1	19,1	20,4	19,5	20,7	21,1
<b>2H</b>	<b>6H</b>	19,2	20,4	19,6	20,8	21,2	19,2	20,5	19,6	20,8	21,2
<b>2H</b>	<b>8H</b>	19,2	20,4	19,6	20,7	21,1	19,2	20,4	19,6	20,8	21,2
<b>2H</b>	<b>12H</b>	19,1	20,3	19,6	20,7	21,1	19,2	20,3	19,6	20,7	21,1
<b>4H</b>	<b>2H</b>	18,3	19,6	18,7	20,0	20,3	18,3	19,6	18,7	20,0	20,4
<b>4H</b>	<b>3H</b>	19,2	20,4	19,7	20,8	21,2	19,3	20,4	19,7	20,8	21,2
<b>4H</b>	<b>4H</b>	19,6	20,6	20,1	21,1	21,5	19,7	20,7	20,1	21,1	21,5
<b>4H</b>	<b>6H</b>	19,8	20,7	20,3	21,2	21,6	19,8	20,7	20,3	21,2	21,6
<b>4H</b>	<b>8H</b>	19,9	20,7	20,3	21,1	21,6	19,9	20,7	20,3	21,2	21,6
<b>4H</b>	<b>12H</b>	19,9	20,6	20,3	21,1	21,6	19,9	20,7	20,4	21,1	21,6
<b>8H</b>	<b>4H</b>	19,7	20,5	20,2	21,0	21,4	19,7	20,6	20,2	21,0	21,5
<b>8H</b>	<b>6H</b>	19,9	20,6	20,4	21,1	21,6	19,9	20,6	20,4	21,1	21,6
<b>8H</b>	<b>8H</b>	20,0	20,6	20,6	21,2	21,6	20,1	20,7	20,6	21,2	21,7
<b>8H</b>	<b>12H</b>	20,1	20,6	20,6	21,1	21,6	20,1	20,6	20,6	21,1	21,6
<b>12H</b>	<b>4H</b>	19,7	20,5	20,2	20,9	21,4	19,7	20,5	20,2	20,9	21,4
<b>12H</b>	<b>6H</b>	20,0	20,6	20,5	21,1	21,6	20,0	20,6	20,5	21,1	21,6
<b>12H</b>	<b>8H</b>	20,0	20,6	20,6	21,1	21,6	20,1	20,6	20,6	21,1	21,6

UGR values are corrected for lamp flux of 780 lm by -0,9

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Luminance [cd/m<sup>2</sup>] VEGA Sq Q100 LIGHT+ HF 940 W LO / Direct in 15° C / 5° G

G/C [cd/	0,00	15,00	30,00	45,00	60,00	75,00	90,00	105,00	120,00
45,00	8644,55	7475,04	6907,28	6741,89	6931,45	7508,55	8738,09	7508,55	6931,45
50,00	7112,41	6115,16	5649,42	5498,80	5661,55	6160,46	7197,83	6160,46	5661,55
55,00	5780,28	4958,18	4560,46	4452,93	4575,39	4992,97	5854,45	4992,97	4575,39
60,00	4632,85	3949,03	3625,18	3522,24	3632,72	3970,45	4699,35	3970,45	3632,72
65,00	3613,61	3053,89	2798,50	2715,37	2803,95	3068,04	3645,25	3068,04	2803,95
70,00	2680,69	2262,08	2065,38	2006,84	2063,91	2262,02	2702,10	2262,02	2063,91
75,00	1844,43	1544,20	1414,54	1364,04	1411,91	1541,74	1843,07	1541,74	1411,91
80,00	1075,81	893,57	820,49	791,29	816,63	891,38	1064,71	891,38	816,63
85,00	377,10	315,75	308,30	288,09	310,57	319,30	380,83	319,30	310,57

G/C [cd/	135,00	150,00	165,00	180,00	195,00	210,00	225,00	240,00	255,00
45,00	6741,89	6907,28	7475,04	8644,55	7475,04	6907,28	6741,89	6931,45	7508,55
50,00	5498,80	5649,42	6115,16	7112,41	6115,16	5649,42	5498,80	5661,55	6160,46
55,00	4452,93	4560,46	4958,18	5780,28	4958,18	4560,46	4452,93	4575,39	4992,97
60,00	3522,24	3625,18	3949,03	4632,85	3949,03	3625,18	3522,24	3632,72	3970,45
65,00	2715,37	2798,50	3053,89	3613,61	3053,89	2798,50	2715,37	2803,95	3068,04
70,00	2006,84	2065,38	2262,08	2680,69	2262,08	2065,38	2006,84	2063,91	2262,02
75,00	1364,04	1414,54	1544,20	1844,43	1544,20	1414,54	1364,04	1411,91	1541,74
80,00	791,29	820,49	893,57	1075,81	893,57	820,49	791,29	816,63	891,38
85,00	288,09	308,30	315,75	377,10	315,75	308,30	288,09	310,57	319,30

G/C [cd/	270,00	285,00	300,00	315,00	330,00	345,00
45,00	8738,09	7508,55	6931,45	6741,89	6907,28	7475,04
50,00	7197,83	6160,46	5661,55	5498,80	5649,42	6115,16
55,00	5854,45	4992,97	4575,39	4452,93	4560,46	4958,18
60,00	4699,35	3970,45	3632,72	3522,24	3625,18	3949,03
65,00	3645,25	3068,04	2803,95	2715,37	2798,50	3053,89
70,00	2702,10	2262,02	2063,91	2006,84	2065,38	2262,02
75,00	1843,07	1541,74	1411,91	1364,04	1414,54	1544,20
80,00	1064,71	891,38	816,63	791,29	820,49	893,57
85,00	380,83	319,30	310,57	288,09	308,30	315,75

## HEADQUARTERS

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