

## PHOTOMETRIC RESULTS

<b>Name:</b>	VEGA Sq /E Q100 PRISM+ HF 940 W HO		
<b>Number:</b>	01	<b>Diameter:</b>	0 mm
<b>Report:</b>	11-04-2019	<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>	110 mm
<b>Number:</b>	1	<b>Power:</b>	12,71 W
<b>Lamp flux:</b>	1540,00 lm	<b>Operator:</b>	INDEL AGUE GROUP
<b>Date:</b>	11-04-2019 16:38:03	<b>Output ratio:</b>	67,7 %

## Protocol

**LiTG-class:** A50  
**UTE-class:** 0,62 C  
**IES-class:** 70 - 90 - 98 - 100 - 62  
**TM5-class:** BZ1/1.25/BZ2

<b>Divergences in the plane through maximum intensity:</b>	Horizontal	Vertical
<b>One half peak divergence</b>	73,7°	73,6°
<b>Half peak side angle (left)</b>	-36,8°	-36,8°
<b>Half peak side angle (right)</b>	36,8°	36,8°
<b>One tenth peak divergence</b>	124,6°	124,8°
<b>Tenth peak side angle (left)</b>	-62,3°	-62,4°
<b>Tenth peak side angle (right)</b>	62,3°	62,4°

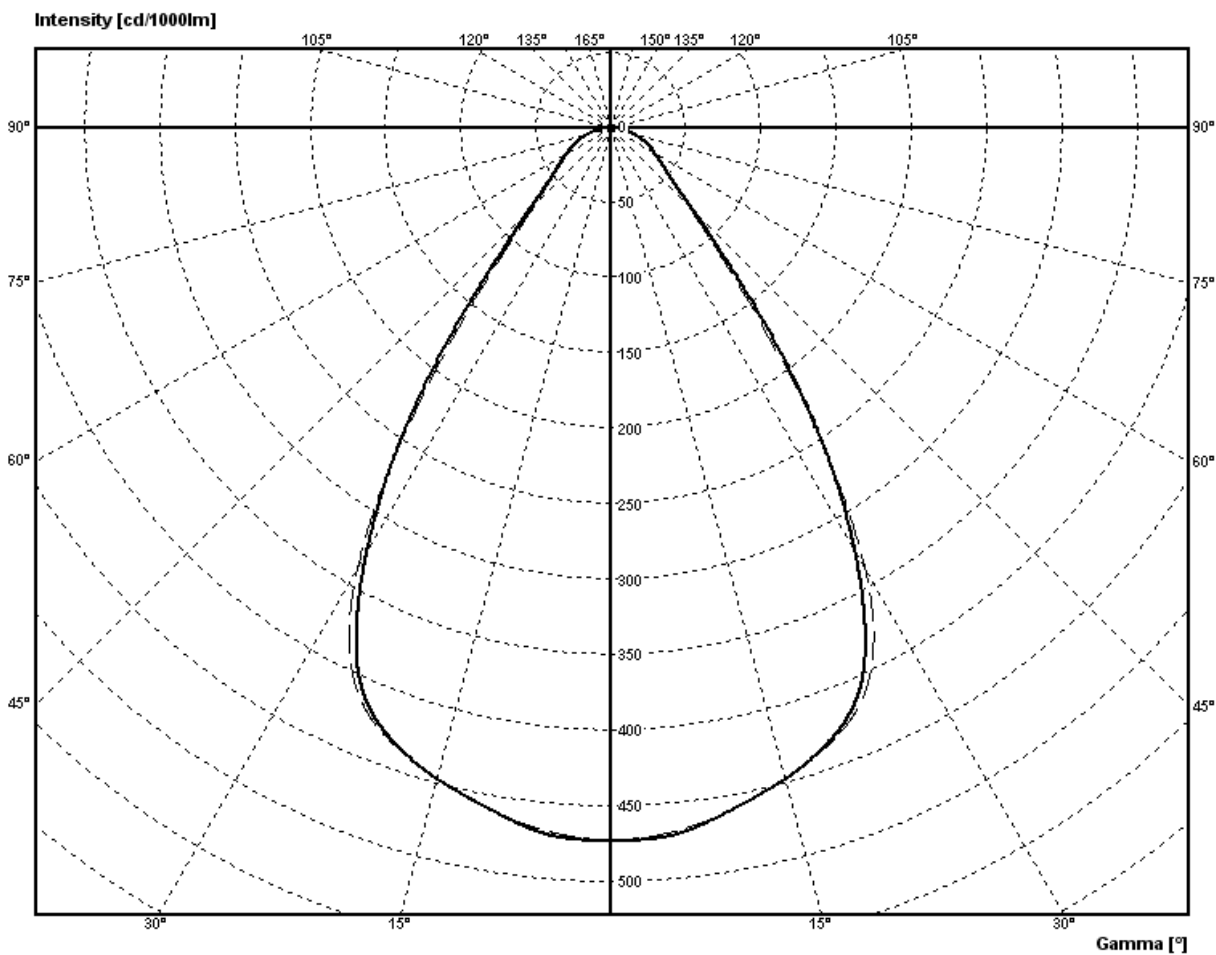
<b>C-planes:</b>	0,0°	15,0°	30,0°	45,0°	60,0°	75,0°	90,0°	105,0°	120,0°	135,0°
	150,0°	165,0°	180,0°	195,0°	210,0°	225,0°	240,0°	255,0°	270,0°	285,0°
	300,0°	315,0°	330,0°	345,0°						

<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 /E Q100 PRISM+ HF 940 W HO / 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>	19,5	20,8	19,8	21,1	21,5	19,8	21,1	20,1	21,4	21,7
<b>2H</b>	<b>3H</b>	19,9	21,2	20,3	21,5	21,8	20,2	21,4	20,6	21,8	22,1
<b>2H</b>	<b>4H</b>	20,1	21,2	20,5	21,6	21,9	20,3	21,5	20,7	21,8	22,2
<b>2H</b>	<b>6H</b>	20,2	21,2	20,6	21,6	22,0	20,4	21,5	20,8	21,8	22,2
<b>2H</b>	<b>8H</b>	20,1	21,2	20,6	21,5	21,9	20,4	21,4	20,8	21,8	22,2
<b>2H</b>	<b>12H</b>	20,1	21,1	20,5	21,5	21,9	20,4	21,3	20,8	21,7	22,1
<b>4H</b>	<b>2H</b>	19,6	20,7	20,0	21,1	21,5	19,9	21,0	20,3	21,3	21,7
<b>4H</b>	<b>3H</b>	20,2	21,1	20,6	21,5	22,0	20,4	21,4	20,8	21,8	22,2
<b>4H</b>	<b>4H</b>	20,4	21,3	20,9	21,7	22,1	20,7	21,5	21,1	21,9	22,4
<b>4H</b>	<b>6H</b>	20,5	21,3	21,0	21,7	22,2	20,8	21,5	21,2	21,9	22,4
<b>4H</b>	<b>8H</b>	20,5	21,2	21,0	21,7	22,1	20,8	21,5	21,2	21,9	22,4
<b>4H</b>	<b>12H</b>	20,5	21,2	21,0	21,6	22,1	20,8	21,4	21,3	21,9	22,4
<b>8H</b>	<b>4H</b>	20,4	21,1	20,9	21,6	22,0	20,6	21,3	21,1	21,8	22,2
<b>8H</b>	<b>6H</b>	20,5	21,1	21,0	21,6	22,1	20,8	21,3	21,3	21,8	22,3
<b>8H</b>	<b>8H</b>	20,6	21,1	21,1	21,6	22,1	20,9	21,4	21,4	21,9	22,4
<b>8H</b>	<b>12H</b>	20,6	21,0	21,2	21,6	22,1	20,9	21,3	21,4	21,8	22,3
<b>12H</b>	<b>4H</b>	20,4	21,0	20,9	21,5	22,0	20,6	21,3	21,1	21,7	22,2
<b>12H</b>	<b>6H</b>	20,6	21,1	21,1	21,6	22,1	20,8	21,3	21,3	21,8	22,3
<b>12H</b>	<b>8H</b>	20,6	21,0	21,1	21,5	22,1	20,8	21,3	21,4	21,8	22,3

UGR values are corrected for lamp flux of 1540 lm by 1,5

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Luminance [cd/m<sup>2</sup>] VEGA Sq /E Q100 PRISM+ HF 940 W HO / 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	12467,7	10849,0	12990,3	15447,8	12720,6	10511,0	11552,7	10511,0	12720,6
50,00	8342,40	7480,56	7751,74	8205,65	7678,75	7512,06	8330,11	7512,06	7678,75
55,00	6648,30	5699,90	5577,99	5483,00	5592,33	5637,78	6452,17	5637,78	5592,33
60,00	5298,68	4676,92	4357,99	4221,32	4372,18	4738,66	5493,29	4738,66	4372,18
65,00	4516,98	3910,81	3554,42	3381,41	3582,75	3926,27	4566,09	3926,27	3582,75
70,00	3492,06	3026,23	2733,11	2594,59	2733,11	2995,03	3502,01	2995,03	2733,11
75,00	2525,56	2110,04	1903,43	1801,30	1903,43	2078,31	2457,15	2078,31	1903,43
80,00	1598,38	1301,27	1177,87	1096,46	1163,15	1268,74	1602,93	1268,74	1163,15
85,00	732,36	588,67	545,67	497,78	545,67	571,85	938,46	571,85	545,67

G/C [cd/	135,00	150,00	165,00	180,00	195,00	210,00	225,00	240,00	255,00
45,00	15447,8	12990,3	10849,0	12467,7	10849,0	12990,3	15447,8	12720,6	10511,0
50,00	8205,65	7751,74	7480,56	8342,40	7480,56	7751,74	8205,65	7678,75	7512,06
55,00	5483,00	5577,99	5699,90	6648,30	5699,90	5577,99	5483,00	5592,33	5637,78
60,00	4221,32	4357,99	4676,92	5298,68	4676,92	4357,99	4221,32	4372,18	4738,66
65,00	3381,41	3554,42	3910,81	4516,98	3910,81	3554,42	3381,41	3582,75	3926,27
70,00	2594,59	2733,11	3026,23	3492,06	3026,23	2733,11	2594,59	2733,11	2995,03
75,00	1801,30	1903,43	2110,04	2525,56	2110,04	1903,43	1801,30	1903,43	2078,31
80,00	1096,46	1177,87	1301,27	1598,38	1301,27	1177,87	1096,46	1163,15	1268,74
85,00	497,78	545,67	588,67	732,36	588,67	545,67	497,78	545,67	571,85

G/C [cd/	270,00	285,00	300,00	315,00	330,00	345,00
45,00	11552,7	10511,0	12720,6	15447,8	12990,3	10849,0
50,00	8330,11	7512,06	7678,75	8205,65	7751,74	7480,56
55,00	6452,17	5637,78	5592,33	5483,00	5577,99	5699,90
60,00	5493,29	4738,66	4372,18	4221,32	4357,99	4676,92
65,00	4566,09	3926,27	3582,75	3381,41	3554,42	3910,81
70,00	3502,01	2995,03	2733,11	2594,59	2733,11	3026,23
75,00	2457,15	2078,31	1903,43	1801,30	1903,43	2110,04
80,00	1602,93	1268,74	1163,15	1096,46	1177,87	1301,27
85,00	938,46	571,85	545,67	497,78	545,67	588,67

## HEADQUARTERS

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