

## PHOTOMETRIC RESULTS

<b>Name:</b>	VEGA Sq /E Q100 LIGHT+ HF 940 W HO		
<b>Number:</b>	01	<b>Diameter:</b>	0 mm
<b>Report:</b>	12-04-2019	<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>	12-04-2019 16:30:39	<b>Output ratio:</b>	65,2 %

## Protocol

**LiTG-class:** A50  
**UTE-class:** 0,65 B  
**IES-class:** 71 - 91 - 98 - 100 - 65  
**TM5-class:** BZ1/1.25/BZ2

## Divergences in the plane through maximum intensity:

	Horizontal	Vertical
One half peak divergence	75,8°	76,0°
Half peak side angle (left)	-37,9°	-38,0°
Half peak side angle (right)	37,9°	38,0°
One tenth peak divergence	126,4°	126,7°
Tenth peak side angle (left)	-63,2°	-63,3°
Tenth peak side angle (right)	63,2°	63,3°

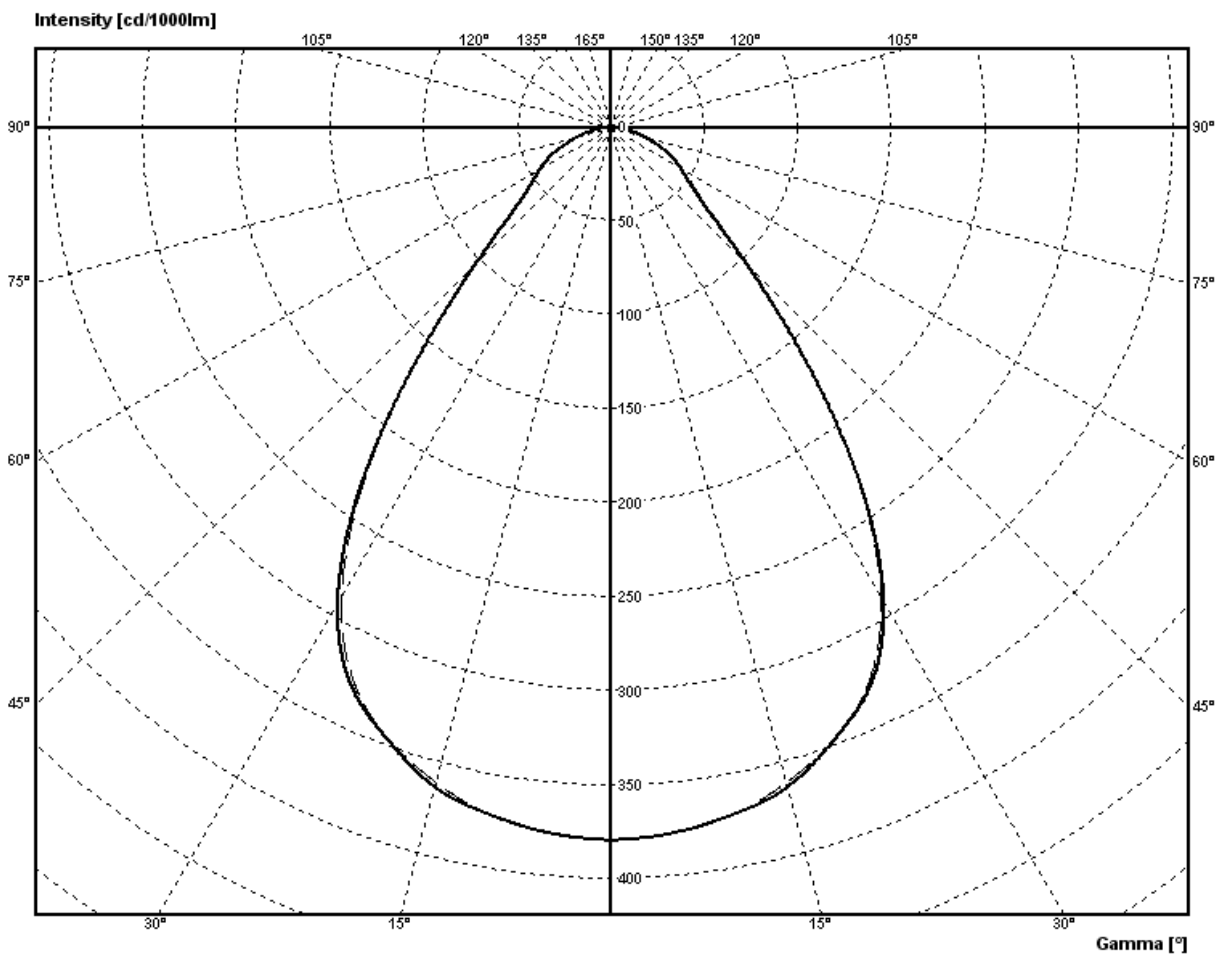
<b>C-planes:</b>	0,0°	15,0°	30,0°	45,0°	60,0°	75,0°	90,0°	105,0°	120,0°	135,0°
	150,0°	165,0°	180,0°	195,0°	210,0°	225,0°	240,0°	255,0°	270,0°	285,0°
	300,0°	315,0°	330,0°	345,0°						

<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 LIGHT+ 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>	19,6	21,0	20,0	21,3	21,6	19,6	21,0	20,0	21,3	21,6
<b>2H</b>	<b>3H</b>	20,0	21,3	20,4	21,6	21,9	20,0	21,2	20,4	21,6	21,9
<b>2H</b>	<b>4H</b>	20,2	21,3	20,6	21,7	22,0	20,2	21,3	20,6	21,7	22,0
<b>2H</b>	<b>6H</b>	20,3	21,3	20,7	21,7	22,1	20,2	21,3	20,7	21,7	22,0
<b>2H</b>	<b>8H</b>	20,2	21,2	20,6	21,6	22,0	20,2	21,2	20,6	21,6	22,0
<b>2H</b>	<b>12H</b>	20,2	21,2	20,6	21,5	22,0	20,2	21,1	20,6	21,5	21,9
<b>4H</b>	<b>2H</b>	19,7	20,8	20,1	21,2	21,6	19,7	20,8	20,1	21,2	21,5
<b>4H</b>	<b>3H</b>	20,2	21,2	20,6	21,6	22,0	20,2	21,2	20,6	21,6	22,0
<b>4H</b>	<b>4H</b>	20,5	21,3	20,9	21,7	22,2	20,5	21,3	20,9	21,7	22,1
<b>4H</b>	<b>6H</b>	20,5	21,3	21,0	21,7	22,2	20,5	21,3	21,0	21,7	22,2
<b>4H</b>	<b>8H</b>	20,6	21,2	21,0	21,7	22,2	20,5	21,2	21,0	21,7	22,1
<b>4H</b>	<b>12H</b>	20,6	21,2	21,0	21,6	22,1	20,5	21,2	21,0	21,6	22,1
<b>8H</b>	<b>4H</b>	20,4	21,1	20,9	21,6	22,0	20,4	21,1	20,9	21,6	22,0
<b>8H</b>	<b>6H</b>	20,5	21,1	21,0	21,6	22,1	20,5	21,1	21,0	21,6	22,1
<b>8H</b>	<b>8H</b>	20,6	21,1	21,1	21,6	22,1	20,6	21,1	21,1	21,6	22,1
<b>8H</b>	<b>12H</b>	20,6	21,0	21,1	21,5	22,1	20,6	21,0	21,1	21,5	22,0
<b>12H</b>	<b>4H</b>	20,4	21,1	20,9	21,5	22,0	20,4	21,0	20,9	21,5	22,0
<b>12H</b>	<b>6H</b>	20,6	21,1	21,1	21,6	22,1	20,6	21,1	21,1	21,6	22,1
<b>12H</b>	<b>8H</b>	20,6	21,0	21,1	21,5	22,0	20,6	21,0	21,1	21,5	22,0

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 LIGHT+ 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	16514,3	15030,6	18110,1	21337,0	17819,6	14745,5	16752,8	14745,5	17819,6
50,00	10715,6	9646,72	10659,9	12006,8	10399,7	9570,60	10908,3	9570,60	10399,7
55,00	8221,02	7111,88	7047,36	7120,70	7024,73	7012,74	8409,65	7012,74	7024,73
60,00	6909,76	6036,34	5459,36	5284,07	5424,59	6104,13	6846,23	6104,13	5424,59
65,00	5709,47	4903,93	4427,65	4203,80	4450,68	4921,34	5680,03	4921,34	4450,68
70,00	4263,99	3641,55	3313,18	3127,51	3295,07	3638,86	4269,02	3638,86	3295,07
75,00	2977,90	2484,90	2247,10	2142,24	2244,45	2446,07	2905,94	2446,07	2244,45
80,00	1832,28	1492,92	1353,09	1285,06	1336,81	1498,22	1795,42	1498,22	1336,81
85,00	813,73	587,27	439,10	469,77	620,06	639,87	773,96	639,87	620,06

G/C [cd/	135,00	150,00	165,00	180,00	195,00	210,00	225,00	240,00	255,00
45,00	21337,0	18110,1	15030,6	16514,3	15030,6	18110,1	21337,0	17819,6	14745,5
50,00	12006,8	10659,9	9646,72	10715,6	9646,72	10659,9	12006,8	10399,7	9570,60
55,00	7120,70	7047,36	7111,88	8221,02	7111,88	7047,36	7120,70	7024,73	7012,74
60,00	5284,07	5459,36	6036,34	6909,76	6036,34	5459,36	5284,07	5424,59	6104,13
65,00	4203,80	4427,65	4903,93	5709,47	4903,93	4427,65	4203,80	4450,68	4921,34
70,00	3127,51	3313,18	3641,55	4263,99	3641,55	3313,18	3127,51	3295,07	3638,86
75,00	2142,24	2247,10	2484,90	2977,90	2484,90	2247,10	2142,24	2244,45	2446,07
80,00	1285,06	1353,09	1492,92	1832,28	1492,92	1353,09	1285,06	1336,81	1498,22
85,00	469,77	439,10	587,27	813,73	587,27	439,10	469,77	620,06	639,87

G/C [cd/	270,00	285,00	300,00	315,00	330,00	345,00
45,00	16752,8	14745,5	17819,6	21337,0	18110,1	15030,6
50,00	10908,3	9570,60	10399,7	12006,8	10659,9	9646,72
55,00	8409,65	7012,74	7024,73	7120,70	7047,36	7111,88
60,00	6846,23	6104,13	5424,59	5284,07	5459,36	6036,34
65,00	5680,03	4921,34	4450,68	4203,80	4427,65	4903,93
70,00	4269,02	3638,86	3295,07	3127,51	3313,18	3641,55
75,00	2905,94	2446,07	2244,45	2142,24	2247,10	2484,90
80,00	1795,42	1498,22	1336,81	1285,06	1353,09	1492,92
85,00	773,96	639,87	620,06	469,77	439,10	587,27

## HEADQUARTERS

INDÚSTRIA ELÉTRICA DE ÁGUEDA S.A.

Rua da Mina 465 | Covão | Zona industrial EN1 Norte

3750-792 Trofa ÁGUEDA | PORTUGAL

www.indelague.com | www.roxolighting.com

indelague@indelague.pt | roxo.london@roxolighting.com

Tel. (+351) 234 612 310

Fax (+351) 234 624 058