

**PHOTOMETRIC RESULTS**

<b>Name:</b>	<b>REBA LED Line 39W bLINE [1122mm]</b>		
<b>Number:</b>	01	<b>Diameter:</b>	0 mm
<b>Report:</b>	06-02-2017	<b>Length:</b>	1122 mm
<b>Meas.-no.:</b>	01	<b>Width:</b>	50 mm
<b>Lamp type:</b>	LED 840 - 01	<b>Height:</b>	70 mm
<b>Number:</b>	1	<b>Power:</b>	38,62 W
<b>Lamp flux:</b>	5160,00 lm	<b>Operator:</b>	INDEL AGUE GROUP
<b>Date:</b>	06-02-2017 14:56:48	<b>Output ratio:</b>	59,4 %

**Protocol**

**LiTG-class:** A40  
**UTE-class:** 0,59 D  
**IES-class:** 51 - 81 - 96 - 100 - 59  
**TM5-class:** BZ4

<b>Divergences in the plane through maximum intensity:</b>	Horizontal	Vertical
<b>One half peak divergence</b>	101,5°	96,3°
<b>Half peak side angle (left)</b>	-50,8°	-48,2°
<b>Half peak side angle (right)</b>	50,8°	48,2°
<b>One tenth peak divergence</b>	157,8°	156,5°
<b>Tenth peak side angle (left)</b>	-78,9°	-78,3°
<b>Tenth peak side angle (right)</b>	78,9°	78,3°

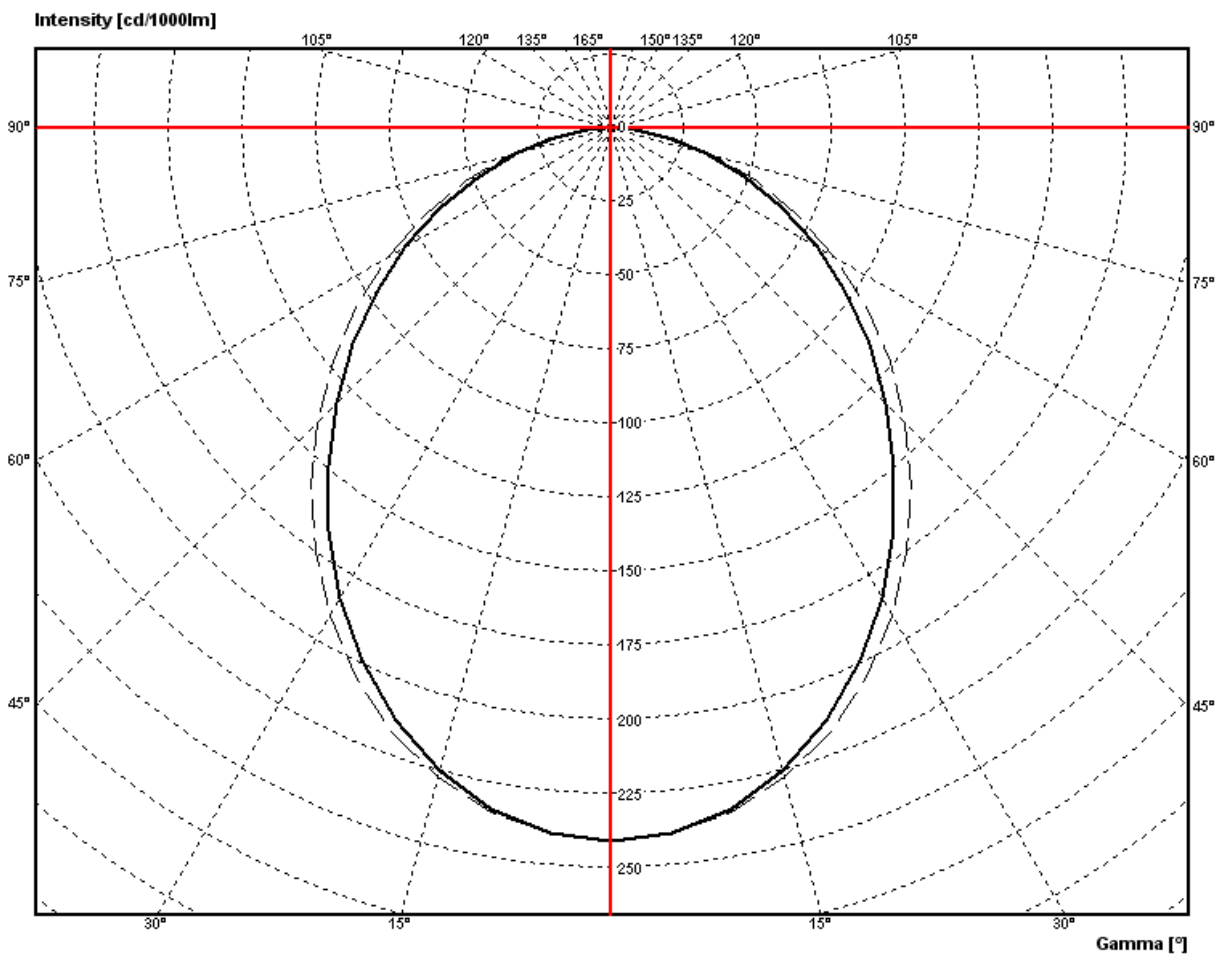
<b>C-planes:</b>	0,0°	15,0°	30,0°	45,0°	60,0°	75,0°	90,0°	105,0°	120,0°	135,0°
	150,0°	165,0°	180,0°	195,0°	210,0°	225,0°	240,0°	255,0°	270,0°	285,0°
	300,0°	315,0°	330,0°	345,0°						

<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 REBA LED Line 39W bLINE [1122mm] / 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>		<b>Viewed crosswise</b>					<b>Viewed endwise</b>				
<b>2H</b>	<b>2H</b>	18,3	19,9	18,6	20,2	20,5	20,7	22,3	21,0	22,6	22,9
<b>2H</b>	<b>3H</b>	19,2	20,6	19,6	21,0	21,3	22,1	23,5	22,4	23,8	24,2
<b>2H</b>	<b>4H</b>	19,5	20,8	19,9	21,2	21,5	22,6	24,0	23,0	24,3	24,7
<b>2H</b>	<b>6H</b>	19,6	20,9	20,0	21,3	21,7	23,0	24,2	23,4	24,6	25,0
<b>2H</b>	<b>8H</b>	19,6	20,9	20,0	21,2	21,6	23,0	24,3	23,4	24,6	25,0
<b>2H</b>	<b>12H</b>	19,6	20,8	20,0	21,2	21,6	23,1	24,2	23,5	24,6	25,0
<b>4H</b>	<b>2H</b>	18,9	20,3	19,3	20,7	21,0	20,9	22,3	21,3	22,6	23,0
<b>4H</b>	<b>3H</b>	20,0	21,1	20,4	21,5	21,9	22,4	23,6	22,8	24,0	24,4
<b>4H</b>	<b>4H</b>	20,4	21,4	20,8	21,8	22,3	23,1	24,1	23,5	24,5	24,9
<b>4H</b>	<b>6H</b>	20,6	21,5	21,0	21,9	22,4	23,5	24,4	23,9	24,8	25,3
<b>4H</b>	<b>8H</b>	20,6	21,5	21,1	21,9	22,4	23,6	24,5	24,1	24,9	25,4
<b>4H</b>	<b>12H</b>	20,6	21,4	21,1	21,9	22,4	23,7	24,5	24,2	24,9	25,4
<b>8H</b>	<b>4H</b>	20,6	21,4	21,0	21,9	22,3	23,1	23,9	23,6	24,4	24,8
<b>8H</b>	<b>6H</b>	20,8	21,5	21,3	22,0	22,5	23,5	24,3	24,0	24,7	25,2
<b>8H</b>	<b>8H</b>	21,0	21,6	21,5	22,1	22,6	23,8	24,4	24,3	24,9	25,4
<b>8H</b>	<b>12H</b>	21,0	21,5	21,5	22,0	22,5	23,8	24,4	24,4	24,9	25,4
<b>12H</b>	<b>4H</b>	20,6	21,4	21,1	21,8	22,3	23,1	23,9	23,6	24,3	24,8
<b>12H</b>	<b>6H</b>	20,9	21,5	21,4	22,0	22,5	23,6	24,2	24,1	24,7	25,2
<b>12H</b>	<b>8H</b>	21,0	21,5	21,5	22,0	22,5	23,7	24,3	24,3	24,8	25,3

UGR values are corrected for lamp flux of 5160 lm by 5,7

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Luminance [cd/m<sup>2</sup>] REBA LED Line 39W bLINE [1122mm] / 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	7367,69	7493,67	8044,99	9059,47	10791,1	13625,9	18717,3	13625,9	10791,1
50,00	6290,35	6417,22	6920,49	7883,38	9537,10	12360,6	17800,0	12360,6	9537,10
55,00	5300,80	5422,26	5872,38	6756,84	8303,69	11069,1	16825,1	11069,1	8303,69
60,00	4397,10	4486,88	4894,47	5681,71	7097,69	9733,53	15766,4	9733,53	7097,69
65,00	3525,38	3606,86	3946,73	4627,26	5867,67	8327,11	14539,0	8327,11	5867,67
70,00	2688,49	2753,37	3030,66	3578,55	4627,27	6783,50	13091,5	6783,50	4627,27
75,00	1895,10	1938,88	2145,34	2544,91	3345,38	5100,26	11190,5	5100,26	3345,38
80,00	1157,08	1179,34	1314,22	1562,48	2100,45	3314,22	8838,62	3314,22	2100,45
85,00	516,10	517,48	588,89	689,54	960,95	1564,13	5764,85	1564,13	960,95

G/C [cd/	135,00	150,00	165,00	180,00	195,00	210,00	225,00	240,00	255,00
45,00	9059,47	8044,99	7493,67	7367,69	7493,67	8044,99	9059,47	10791,1	13625,9
50,00	7883,38	6920,49	6417,22	6290,35	6417,22	6920,49	7883,38	9537,10	12360,6
55,00	6756,84	5872,38	5422,26	5300,80	5422,26	5872,38	6756,84	8303,69	11069,1
60,00	5681,71	4894,47	4486,88	4397,10	4486,88	4894,47	5681,71	7097,69	9733,53
65,00	4627,26	3946,73	3606,86	3525,38	3606,86	3946,73	4627,26	5867,67	8327,11
70,00	3578,55	3030,66	2753,37	2688,49	2753,37	3030,66	3578,55	4627,27	6783,50
75,00	2544,91	2145,34	1938,88	1895,10	1938,88	2145,34	2544,91	3345,38	5100,26
80,00	1562,48	1314,22	1179,34	1157,08	1179,34	1314,22	1562,48	2100,45	3314,22
85,00	689,54	588,89	517,48	516,10	517,48	588,89	689,54	960,95	1564,13

G/C [cd/	270,00	285,00	300,00	315,00	330,00	345,00
45,00	18717,3	13625,9	10791,1	9059,47	8044,99	7493,67
50,00	17800,0	12360,6	9537,10	7883,38	6920,49	6417,22
55,00	16825,1	11069,1	8303,69	6756,84	5872,38	5422,26
60,00	15766,4	9733,53	7097,69	5681,71	4894,47	4486,88
65,00	14539,0	8327,11	5867,67	4627,26	3946,73	3606,86
70,00	13091,5	6783,50	4627,27	3578,55	3030,66	2753,37
75,00	11190,5	5100,26	3345,38	2544,91	2145,34	1938,88
80,00	8838,62	3314,22	2100,45	1562,48	1314,22	1179,34
85,00	5764,85	1564,13	960,95	689,54	588,89	517,48

**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