

**PHOTOMETRIC RESULTS**

<b>Name:</b>	<b>REBA 65 LED Line 39W bLINE [1122mm]</b>		
<b>Number:</b>	01	<b>Diameter:</b>	0 mm
<b>Report:</b>	02-02-2017	<b>Length:</b>	1122 mm
<b>Meas.-no.:</b>	01	<b>Width:</b>	65 mm
<b>Lamp type:</b>	LED 840 - 01	<b>Height:</b>	80 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>	02-02-2017 13:30:37	<b>Output ratio:</b>	68,1 %

**Protocol**

**LiTG-class:** A40  
**UTE-class:** 0,68 E  
**IES-class:** 50 - 81 - 96 - 100 - 68  
**TM5-class:** BZ4

**Divergences in the plane through maximum intensity:**

	Horizontal	Vertical
<b>One half peak divergence</b>	103,2°	99,6°
<b>Half peak side angle (left)</b>	-51,6°	-49,8°
<b>Half peak side angle (right)</b>	51,6°	49,8°
<b>One tenth peak divergence</b>	158,1°	157,3°
<b>Tenth peak side angle (left)</b>	-79,1°	-78,6°
<b>Tenth peak side angle (right)</b>	79,1°	78,6°

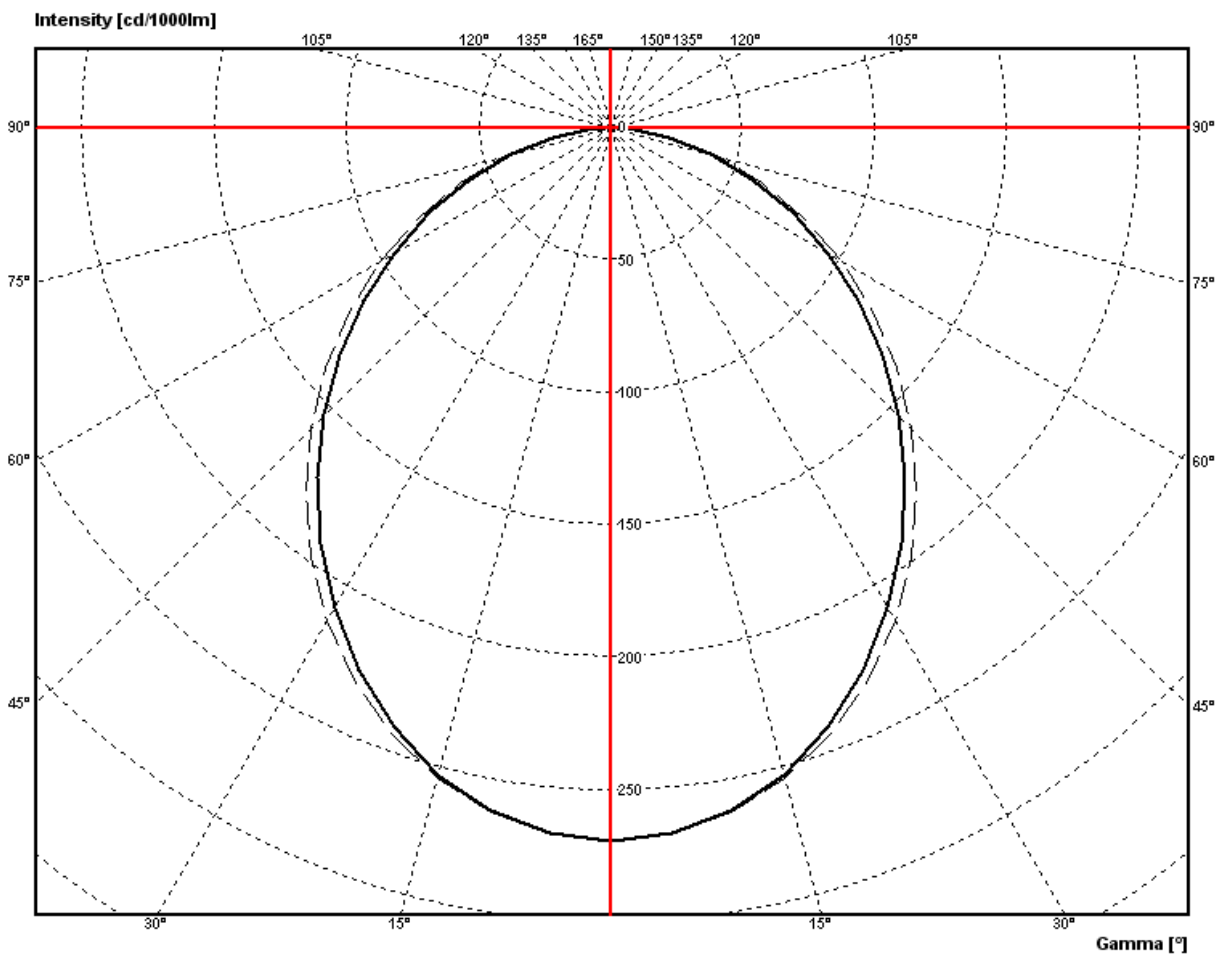
<b>C-planes:</b>	0,0°	15,0°	30,0°	45,0°	60,0°	75,0°	90,0°	105,0°	120,0°	135,0°
	150,0°	165,0°	180,0°	195,0°	210,0°	225,0°	240,0°	255,0°	270,0°	285,0°
	300,0°	315,0°	330,0°	345,0°						

<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 65 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>	18,2	19,8	18,6	20,1	20,5	20,3	21,9	20,7	22,2	22,5
<b>2H</b>	<b>3H</b>	19,2	20,6	19,5	21,0	21,3	21,7	23,2	22,1	23,5	23,8
<b>2H</b>	<b>4H</b>	19,5	20,8	19,9	21,2	21,6	22,2	23,6	22,6	23,9	24,3
<b>2H</b>	<b>6H</b>	19,7	20,9	20,1	21,3	21,7	22,6	23,9	23,0	24,2	24,6
<b>2H</b>	<b>8H</b>	19,6	20,9	20,1	21,2	21,6	22,7	23,9	23,1	24,3	24,7
<b>2H</b>	<b>12H</b>	19,6	20,8	20,0	21,2	21,6	22,7	23,9	23,1	24,3	24,7
<b>4H</b>	<b>2H</b>	18,9	20,3	19,3	20,6	21,0	20,6	22,0	21,0	22,3	22,7
<b>4H</b>	<b>3H</b>	20,0	21,1	20,4	21,5	21,9	22,1	23,3	22,5	23,7	24,1
<b>4H</b>	<b>4H</b>	20,4	21,4	20,8	21,8	22,3	22,8	23,8	23,2	24,2	24,6
<b>4H</b>	<b>6H</b>	20,6	21,5	21,0	21,9	22,4	23,1	24,1	23,6	24,5	24,9
<b>4H</b>	<b>8H</b>	20,6	21,5	21,1	21,9	22,4	23,3	24,1	23,7	24,6	25,0
<b>4H</b>	<b>12H</b>	20,6	21,4	21,1	21,9	22,4	23,4	24,1	23,8	24,6	25,1
<b>8H</b>	<b>4H</b>	20,6	21,4	21,0	21,9	22,3	22,8	23,6	23,3	24,1	24,5
<b>8H</b>	<b>6H</b>	20,8	21,5	21,3	22,0	22,5	23,2	23,9	23,7	24,4	24,9
<b>8H</b>	<b>8H</b>	21,0	21,6	21,5	22,1	22,6	23,4	24,1	23,9	24,6	25,0
<b>8H</b>	<b>12H</b>	21,0	21,5	21,5	22,0	22,5	23,5	24,1	24,0	24,6	25,1
<b>12H</b>	<b>4H</b>	20,6	21,4	21,1	21,8	22,3	22,8	23,6	23,3	24,0	24,5
<b>12H</b>	<b>6H</b>	20,9	21,5	21,4	22,0	22,5	23,3	23,9	23,8	24,4	24,9
<b>12H</b>	<b>8H</b>	21,0	21,5	21,5	22,0	22,5	23,4	24,0	23,9	24,5	25,0

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

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Luminance [cd/m<sup>2</sup>] REBA 65 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	7064,92	7166,50	7619,35	8443,40	9861,08	12106,6	15954,5	12106,6	9861,08
50,00	6108,30	6209,91	6622,40	7443,09	8786,01	11072,4	15208,3	11072,4	8786,01
55,00	5205,94	5305,20	5684,53	6431,01	7730,40	9990,63	14393,2	9990,63	7730,40
60,00	4361,67	4436,34	4786,28	5463,30	6677,90	8863,42	13531,7	8863,42	6677,90
65,00	3528,77	3599,62	3899,06	4485,89	5570,46	7625,57	12459,9	7625,57	5570,46
70,00	2713,25	2764,96	3012,34	3495,40	4423,22	6257,43	11163,0	6257,43	4423,22
75,00	1912,86	1942,39	2129,64	2494,44	3214,10	4716,21	9480,48	4716,21	3214,10
80,00	1153,83	1163,69	1286,49	1504,59	1994,73	3061,34	7276,57	3061,34	1994,73
85,00	505,45	502,17	562,42	652,70	899,91	1408,94	4532,16	1408,94	899,91

G/C [cd/	135,00	150,00	165,00	180,00	195,00	210,00	225,00	240,00	255,00
45,00	8443,40	7619,35	7166,50	7064,92	7166,50	7619,35	8443,40	9861,08	12106,6
50,00	7443,09	6622,40	6209,91	6108,30	6209,91	6622,40	7443,09	8786,01	11072,4
55,00	6431,01	5684,53	5305,20	5205,94	5305,20	5684,53	6431,01	7730,40	9990,63
60,00	5463,30	4786,28	4436,34	4361,67	4436,34	4786,28	5463,30	6677,90	8863,42
65,00	4485,89	3899,06	3599,62	3528,77	3599,62	3899,06	4485,89	5570,46	7625,57
70,00	3495,40	3012,34	2764,96	2713,25	2764,96	3012,34	3495,40	4423,22	6257,43
75,00	2494,44	2129,64	1942,39	1912,86	1942,39	2129,64	2494,44	3214,10	4716,21
80,00	1504,59	1286,49	1163,69	1153,83	1163,69	1286,49	1504,59	1994,73	3061,34
85,00	652,70	562,42	502,17	505,45	502,17	562,42	652,70	899,91	1408,94

G/C [cd/	270,00	285,00	300,00	315,00	330,00	345,00
45,00	15954,5	12106,6	9861,08	8443,40	7619,35	7166,50
50,00	15208,3	11072,4	8786,01	7443,09	6622,40	6209,91
55,00	14393,2	9990,63	7730,40	6431,01	5684,53	5305,20
60,00	13531,7	8863,42	6677,90	5463,30	4786,28	4436,34
65,00	12459,9	7625,57	5570,46	4485,89	3899,06	3599,62
70,00	11163,0	6257,43	4423,22	3495,40	3012,34	2764,96
75,00	9480,48	4716,21	3214,10	2494,44	2129,64	1942,39
80,00	7276,57	3061,34	1994,73	1504,59	1286,49	1163,69
85,00	4532,16	1408,94	899,91	652,70	562,42	502,17

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