

**PHOTOMETRIC RESULTS**

<b>Name:</b>	<b>REBA 65 D/I LED Line 54W bLINE [1122mm]</b>		
<b>Number:</b>	01	<b>Diameter:</b>	0 mm
<b>Report:</b>	10-02-2017	<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>	100 mm
<b>Number:</b>	1	<b>Power:</b>	53,65 W
<b>Lamp flux:</b>	7212,00 lm	<b>Operator:</b>	INDEL AGUE GROUP
<b>Date:</b>	10-02-2017 14:31:21	<b>Output ratio:</b>	68,1 %

**Protocol**

**LiTG-class:** B43  
**UTE-class:** 0,45 E + 0,23 T  
**IES-class:** 50 - 81 - 96 - 66 - 68  
**TM5-class:** BZ4

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

	Horizontal	Vertical
<b>One half peak divergence</b>	102,9°	98,7°
<b>Half peak side angle (left)</b>	-51,4°	-49,4°
<b>Half peak side angle (right)</b>	51,4°	49,4°
<b>One tenth peak divergence</b>	157,3°	156,8°
<b>Tenth peak side angle (left)</b>	-78,6°	-78,4°
<b>Tenth peak side angle (right)</b>	78,6°	78,4°

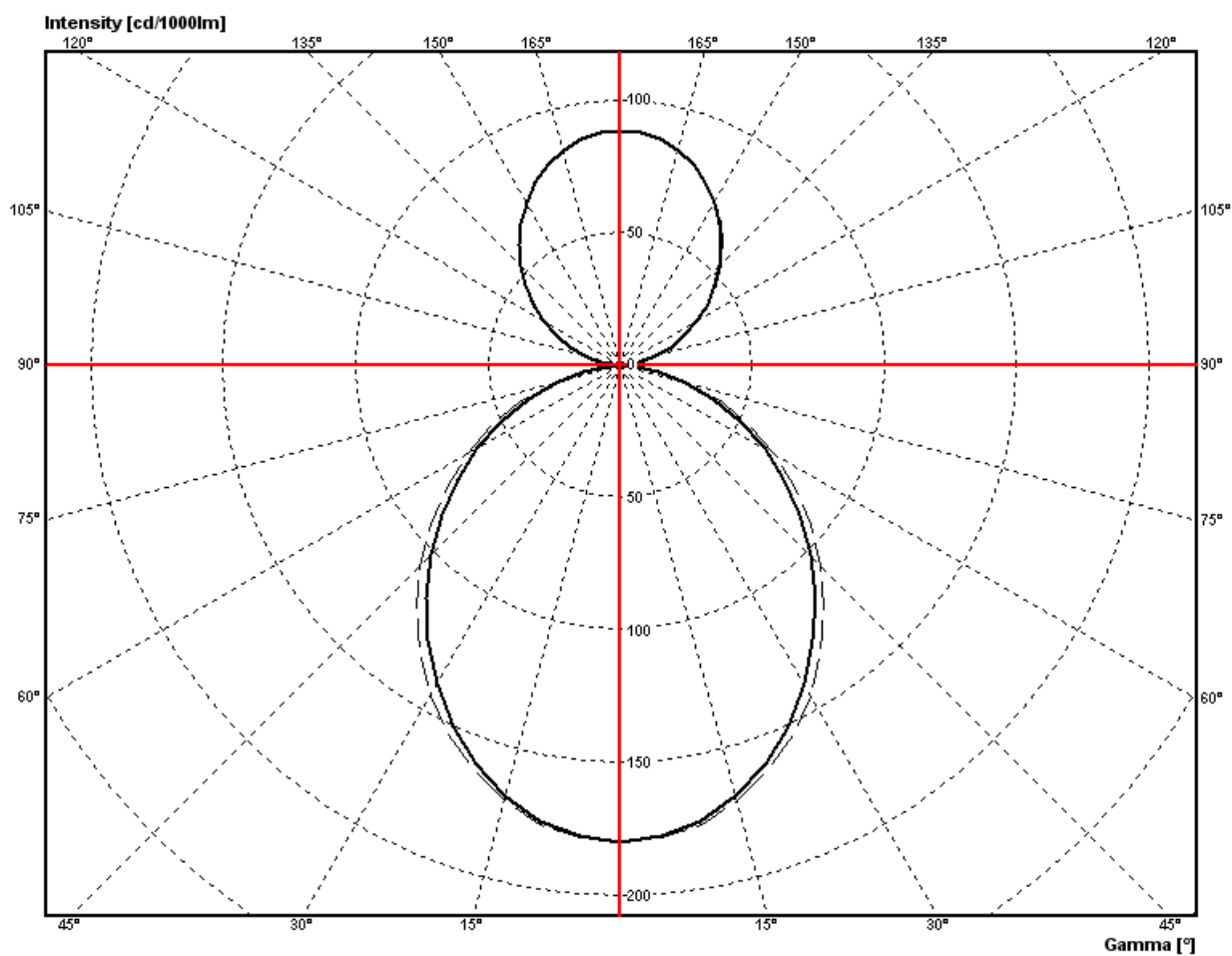
<b>C-planes:</b>	0,0°	15,0°	30,0°	45,0°	60,0°	75,0°	90,0°	105,0°	120,0°	135,0°
	150,0°	165,0°	180,0°	195,0°	210,0°	225,0°	240,0°	255,0°	270,0°	285,0°
	300,0°	315,0°	330,0°	345,0°						

<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°	95,0°
	100,0°	105,0°	110,0°	115,0°	120,0°	125,0°	130,0°	135,0°	140,0°	145,0°
	150,0°	155,0°	160,0°	165,0°	170,0°	175,0°	180,0°			

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Polar diagram REBA 65 D/I LED Line 54W bLINE [1122mm] / Total 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>	15,0	16,0	15,8	16,8	17,8	17,3	18,3	18,1	19,1	20,2
<b>2H</b>	<b>3H</b>	15,8	16,8	16,7	17,6	18,7	18,7	19,6	19,5	20,4	21,5
<b>2H</b>	<b>4H</b>	16,1	17,0	16,9	17,8	18,9	19,1	20,0	20,0	20,9	21,9
<b>2H</b>	<b>6H</b>	16,3	17,1	17,1	17,9	19,0	19,5	20,3	20,3	21,1	22,2
<b>2H</b>	<b>8H</b>	16,2	17,0	17,1	17,9	18,9	19,5	20,3	20,3	21,1	22,2
<b>2H</b>	<b>12H</b>	16,2	16,9	17,0	17,8	18,9	19,5	20,3	20,4	21,1	22,2
<b>4H</b>	<b>2H</b>	15,6	16,5	16,4	17,3	18,4	17,5	18,4	18,3	19,2	20,3
<b>4H</b>	<b>3H</b>	16,6	17,3	17,4	18,2	19,3	18,9	19,7	19,8	20,6	21,6
<b>4H</b>	<b>4H</b>	16,9	17,6	17,8	18,5	19,6	19,6	20,2	20,4	21,1	22,2
<b>4H</b>	<b>6H</b>	17,1	17,7	18,0	18,6	19,7	19,9	20,5	20,8	21,4	22,5
<b>4H</b>	<b>8H</b>	17,1	17,7	18,0	18,6	19,7	20,0	20,5	20,9	21,4	22,5
<b>4H</b>	<b>12H</b>	17,1	17,6	18,0	18,5	19,7	20,0	20,5	20,9	21,4	22,6
<b>8H</b>	<b>4H</b>	17,1	17,6	18,0	18,5	19,6	19,5	20,1	20,4	21,0	22,1
<b>8H</b>	<b>6H</b>	17,3	17,7	18,2	18,7	19,8	19,9	20,4	20,8	21,3	22,4
<b>8H</b>	<b>8H</b>	17,4	17,8	18,3	18,7	19,9	20,1	20,5	21,0	21,4	22,5
<b>8H</b>	<b>12H</b>	17,4	17,7	18,3	18,7	19,8	20,1	20,5	21,0	21,4	22,5
<b>12H</b>	<b>4H</b>	17,1	17,6	18,0	18,5	19,6	19,5	20,0	20,4	20,9	22,0
<b>12H</b>	<b>6H</b>	17,4	17,7	18,3	18,7	19,8	19,9	20,3	20,9	21,2	22,4
<b>12H</b>	<b>8H</b>	17,4	17,7	18,3	18,7	19,8	20,0	20,4	21,0	21,3	22,4

UGR values are corrected for lamp flux of 7212 lm by 6,9

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Luminance [cd/m<sup>2</sup>] REBA 65 D/I LED Line 54W bLINE [1122mm] / Total in 15° C / 5° 

G/C [cd/	0,00	15,00	30,00	45,00	60,00	75,00	90,00	105,00	120,00
45,00	5718,19	5821,73	6197,45	6982,93	8256,69	10474,1	14623,3	10474,1	8256,69
50,00	4886,82	4972,64	5338,08	6043,68	7300,34	9480,38	13870,5	9480,38	7300,34
55,00	4127,19	4208,55	4531,11	5190,81	6337,74	8475,21	13089,7	8475,21	6337,74
60,00	3420,37	3483,62	3771,76	4356,73	5436,11	7424,00	12212,9	7424,00	5436,11
65,00	2736,74	2794,52	3039,92	3535,33	4458,71	6312,28	11323,5	6312,28	4458,71
70,00	2076,75	2123,07	2316,17	2717,46	3479,39	5101,83	10087,2	5101,83	3479,39
75,00	1442,02	1467,91	1616,55	1911,18	2490,46	3759,55	8293,44	3759,55	2490,46
80,00	852,61	862,98	957,08	1130,47	1507,42	2370,03	5838,62	2370,03	1507,42
85,00	356,83	354,98	407,29	471,20	649,84	1035,66	3648,33	1035,66	649,84

G/C [cd/	135,00	150,00	165,00	180,00	195,00	210,00	225,00	240,00	255,00
45,00	6982,93	6197,45	5821,73	5718,19	5821,73	6197,45	6982,93	8256,69	10474,1
50,00	6043,68	5338,08	4972,64	4886,82	4972,64	5338,08	6043,68	7300,34	9480,38
55,00	5190,81	4531,11	4208,55	4127,19	4208,55	4531,11	5190,81	6337,74	8475,21
60,00	4356,73	3771,76	3483,62	3420,37	3483,62	3771,76	4356,73	5436,11	7424,00
65,00	3535,33	3039,92	2794,52	2736,74	2794,52	3039,92	3535,33	4458,71	6312,28
70,00	2717,46	2316,17	2123,07	2076,75	2123,07	2316,17	2717,46	3479,39	5101,83
75,00	1911,18	1616,55	1467,91	1442,02	1467,91	1616,55	1911,18	2490,46	3759,55
80,00	1130,47	957,08	862,98	852,61	862,98	957,08	1130,47	1507,42	2370,03
85,00	471,20	407,29	354,98	356,83	354,98	407,29	471,20	649,84	1035,66

G/C [cd/	270,00	285,00	300,00	315,00	330,00	345,00
45,00	14623,3	10474,1	8256,69	6982,93	6197,45	5821,73
50,00	13870,5	9480,38	7300,34	6043,68	5338,08	4972,64
55,00	13089,7	8475,21	6337,74	5190,81	4531,11	4208,55
60,00	12212,9	7424,00	5436,11	4356,73	3771,76	3483,62
65,00	11323,5	6312,28	4458,71	3535,33	3039,92	2794,52
70,00	10087,2	5101,83	3479,39	2717,46	2316,17	2123,07
75,00	8293,44	3759,55	2490,46	1911,18	1616,55	1467,91
80,00	5838,62	2370,03	1507,42	1130,47	957,08	862,98
85,00	3648,33	1035,66	649,84	471,20	407,29	354,98

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