

**PHOTOMETRIC RESULTS**

<b>Name:</b>	<b>REBA 65 LED 30W bLINE [848mm]</b>		
<b>Number:</b>	01	<b>Diameter:</b>	0 mm
<b>Report:</b>	03-02-2017	<b>Length:</b>	848 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>	30,27 W
<b>Lamp flux:</b>	3870,00 lm	<b>Operator:</b>	INDELAGUE GROUP
<b>Date:</b>	03-02-2017 8:27:06	<b>Output ratio:</b>	65,1 %

**Protocol**

**LiTG-class:** A40  
**UTE-class:** 0,65 E  
**IES-class:** 50 - 81 - 96 - 100 - 65  
**TM5-class:** BZ4

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

	Horizontal	Vertical
<b>One half peak divergence</b>	102,7°	99,3°
<b>Half peak side angle (left)</b>	-51,4°	-49,7°
<b>Half peak side angle (right)</b>	51,4°	49,7°
<b>One tenth peak divergence</b>	157,9°	157,1°
<b>Tenth peak side angle (left)</b>	-79,0°	-78,5°
<b>Tenth peak side angle (right)</b>	79,0°	78,5°

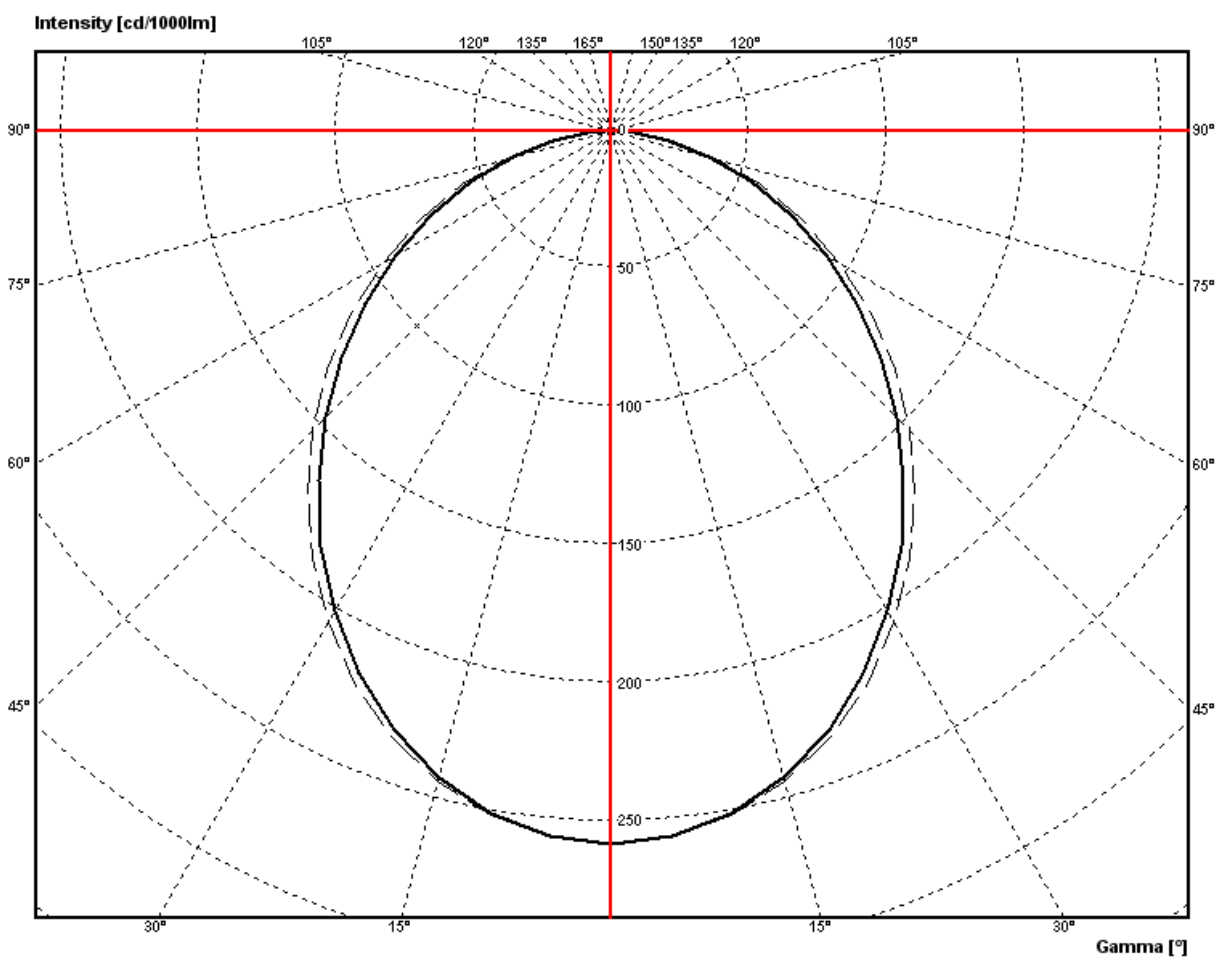
<b>C-planes:</b>	0,0°	15,0°	30,0°	45,0°	60,0°	75,0°	90,0°	105,0°	120,0°	135,0°
	150,0°	165,0°	180,0°	195,0°	210,0°	225,0°	240,0°	255,0°	270,0°	285,0°
	300,0°	315,0°	330,0°	345,0°						

<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 30W bLINE [848mm] / 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>	18,0	19,6	18,4	20,0	20,3	20,1	21,7	20,4	22,0	22,3
<b>2H</b>	<b>3H</b>	19,0	20,4	19,4	20,8	21,1	21,4	22,9	21,8	23,2	23,6
<b>2H</b>	<b>4H</b>	19,3	20,7	19,7	21,0	21,4	21,9	23,3	22,3	23,7	24,0
<b>2H</b>	<b>6H</b>	19,5	20,7	19,9	21,1	21,5	22,3	23,6	22,7	23,9	24,3
<b>2H</b>	<b>8H</b>	19,5	20,7	19,9	21,1	21,5	22,4	23,6	22,8	24,0	24,4
<b>2H</b>	<b>12H</b>	19,4	20,6	19,9	21,0	21,4	22,4	23,6	22,8	23,9	24,4
<b>4H</b>	<b>2H</b>	18,7	20,1	19,1	20,4	20,8	20,4	21,7	20,8	22,1	22,4
<b>4H</b>	<b>3H</b>	19,8	20,9	20,2	21,3	21,7	21,8	23,0	22,3	23,4	23,8
<b>4H</b>	<b>4H</b>	20,2	21,2	20,6	21,6	22,1	22,5	23,5	22,9	23,9	24,4
<b>4H</b>	<b>6H</b>	20,4	21,3	20,8	21,7	22,2	22,9	23,8	23,3	24,2	24,7
<b>4H</b>	<b>8H</b>	20,4	21,3	20,9	21,7	22,2	23,0	23,8	23,4	24,3	24,7
<b>4H</b>	<b>12H</b>	20,5	21,2	20,9	21,7	22,2	23,1	23,8	23,5	24,3	24,8
<b>8H</b>	<b>4H</b>	20,4	21,2	20,8	21,7	22,1	22,5	23,4	23,0	23,8	24,3
<b>8H</b>	<b>6H</b>	20,6	21,3	21,1	21,8	22,3	22,9	23,7	23,4	24,1	24,6
<b>8H</b>	<b>8H</b>	20,8	21,4	21,3	21,9	22,4	23,1	23,8	23,6	24,3	24,8
<b>8H</b>	<b>12H</b>	20,8	21,3	21,3	21,8	22,3	23,2	23,7	23,7	24,3	24,8
<b>12H</b>	<b>4H</b>	20,4	21,2	20,9	21,6	22,1	22,5	23,3	23,0	23,7	24,2
<b>12H</b>	<b>6H</b>	20,7	21,3	21,2	21,8	22,3	23,0	23,6	23,5	24,1	24,6
<b>12H</b>	<b>8H</b>	20,8	21,3	21,3	21,8	22,3	23,1	23,7	23,6	24,2	24,7

UGR values are corrected for lamp flux of 3870 lm by 4,7

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**Luminance [cd/m<sup>2</sup>] REBA 65 LED 30W bLINE [848mm] / 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	6760,25	6828,10	7231,67	8001,24	9294,99	11369,2	14921,3	11369,2	9294,99
50,00	5840,14	5911,64	6286,09	7016,69	8271,90	10359,1	14139,3	10359,1	8271,90
55,00	4980,09	5048,52	5392,31	6072,90	7266,37	9324,53	13317,6	9324,53	7266,37
60,00	4164,39	4214,77	4532,30	5148,66	6254,18	8235,59	12398,1	8235,59	6254,18
65,00	3362,30	3416,65	3684,45	4222,36	5211,33	7074,54	11342,0	7074,54	5211,33
70,00	2580,69	2619,39	2840,29	3283,69	4125,38	5780,49	10049,1	5780,49	4125,38
75,00	1815,05	1836,84	2003,07	2334,73	2990,81	4349,95	8420,31	4349,95	2990,81
80,00	1093,66	1095,09	1210,13	1407,63	1844,77	2785,69	6302,16	2785,69	1844,77
85,00	476,28	463,86	524,69	603,56	828,38	1265,54	3727,28	1265,54	828,38

G/C [cd/	135,00	150,00	165,00	180,00	195,00	210,00	225,00	240,00	255,00
45,00	8001,24	7231,67	6828,10	6760,25	6828,10	7231,67	8001,24	9294,99	11369,2
50,00	7016,69	6286,09	5911,64	5840,14	5911,64	6286,09	7016,69	8271,90	10359,1
55,00	6072,90	5392,31	5048,52	4980,09	5048,52	5392,31	6072,90	7266,37	9324,53
60,00	5148,66	4532,30	4214,77	4164,39	4214,77	4532,30	5148,66	6254,18	8235,59
65,00	4222,36	3684,45	3416,65	3362,30	3416,65	3684,45	4222,36	5211,33	7074,54
70,00	3283,69	2840,29	2619,39	2580,69	2619,39	2840,29	3283,69	4125,38	5780,49
75,00	2334,73	2003,07	1836,84	1815,04	1836,84	2003,07	2334,73	2990,81	4349,95
80,00	1407,63	1210,13	1095,09	1093,66	1095,09	1210,13	1407,63	1844,77	2785,69
85,00	603,56	524,69	463,86	476,28	463,86	524,69	603,56	828,38	1265,54

G/C [cd/	270,00	285,00	300,00	315,00	330,00	345,00
45,00	14921,3	11369,2	9294,99	8001,24	7231,67	6828,10
50,00	14139,3	10359,1	8271,90	7016,69	6286,09	5911,64
55,00	13317,6	9324,53	7266,37	6072,90	5392,31	5048,52
60,00	12398,1	8235,59	6254,18	5148,66	4532,30	4214,77
65,00	11342,0	7074,54	5211,33	4222,36	3684,45	3416,65
70,00	10049,1	5780,49	4125,38	3283,69	2840,29	2619,39
75,00	8420,31	4349,95	2990,81	2334,73	2003,07	1836,84
80,00	6302,16	2785,69	1844,77	1407,63	1210,13	1095,09
85,00	3727,28	1265,54	828,38	603,56	524,69	463,86

**HEADQUARTERS**

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