

## PHOTOMETRIC RESULTS

<b>Name:</b>	REBA 65 EXT LINE L0842 MID+INT SYM BLINE 840 HO		
<b>Number:</b>	90509+90501L003	<b>Diameter:</b>	0 mm
<b>Report:</b>	21-01-2020	<b>Length:</b>	842 mm
<b>Meas.-no.:</b>	01	<b>Width:</b>	65 mm
<b>Lamp type:</b>	LED 840 - 01	<b>Height:</b>	82 mm
<b>Number:</b>	01	<b>Power:</b>	21,79 W
<b>Lamp flux:</b>	3540,00 lm	<b>Operator:</b>	INDEL AGUE GROUP
<b>Date:</b>	21-01-2020 18:19:12	<b>Output ratio:</b>	64,7 %

## Protocol

**LiTG-class:** A40  
**UTE-class:** 0,65 E  
**IES-class:** 50 - 80 - 96 - 100 - 65  
**TM5-class:** BZ4

## Divergences in the plane through maximum intensity:

	Horizontal	Vertical
One half peak divergence	102,2°	99,5°
Half peak side angle (left)	-51,1°	-49,7°
Half peak side angle (right)	51,1°	49,7°
One tenth peak divergence	157,3°	159,0°
Tenth peak side angle (left)	-78,7°	-79,5°
Tenth peak side angle (right)	78,7°	79,5°

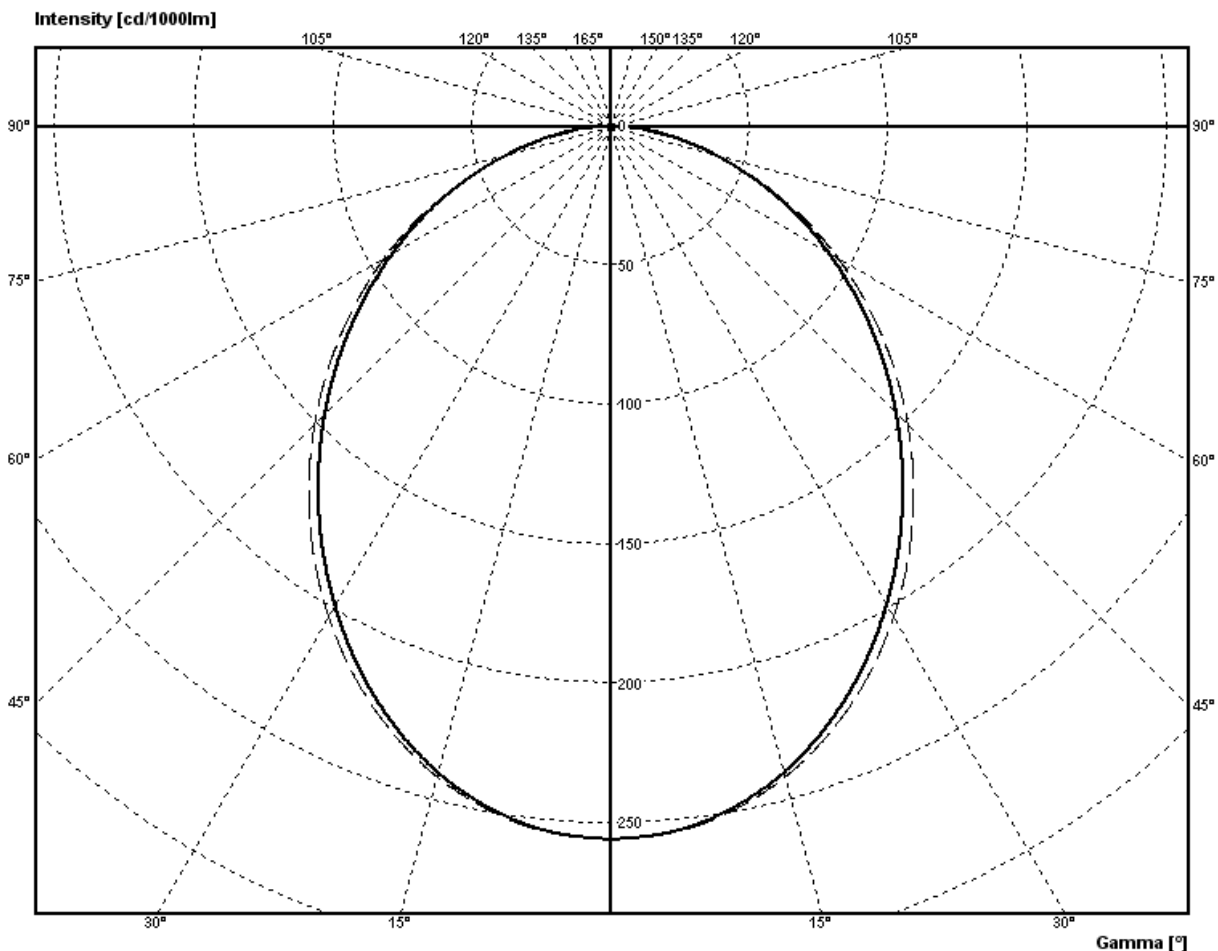
<b>C-planes:</b>	0,0°	15,0°	30,0°	45,0°	60,0°	75,0°	90,0°	105,0°	120,0°	135,0°
	150,0°	165,0°	180,0°	195,0°	210,0°	225,0°	240,0°	255,0°	270,0°	285,0°
	300,0°	315,0°	330,0°	345,0°						

<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 EXT LINE L0842 MID+INT SYM BLINE 840 HO / Direct in 15° C  
/ 5° G



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<b>Number:</b>	01	<b>Power:</b>	21,79 W
<b>Lamp flux:</b>	3540,00 lm	<b>Operator:</b>	INDEL AGUE GROUP
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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>	17,7	19,3	18,0	19,6	19,9	19,6	21,2	20,0	21,5	21,8
<b>2H</b>	<b>3H</b>	18,6	20,1	19,0	20,4	20,8	21,0	22,4	21,3	22,8	23,1
<b>2H</b>	<b>4H</b>	19,0	20,4	19,4	20,7	21,1	21,5	22,8	21,9	23,2	23,6
<b>2H</b>	<b>6H</b>	19,2	20,5	19,6	20,8	21,2	21,8	23,1	22,2	23,5	23,8
<b>2H</b>	<b>8H</b>	19,2	20,4	19,6	20,8	21,2	21,9	23,1	22,3	23,5	23,9
<b>2H</b>	<b>12H</b>	19,2	20,4	19,6	20,8	21,2	21,9	23,1	22,3	23,5	23,9
<b>4H</b>	<b>2H</b>	18,3	19,7	18,7	20,0	20,4	19,9	21,3	20,3	21,7	22,0
<b>4H</b>	<b>3H</b>	19,4	20,6	19,8	21,0	21,4	21,4	22,6	21,8	23,0	23,4
<b>4H</b>	<b>4H</b>	19,9	20,9	20,3	21,3	21,8	22,0	23,1	22,4	23,5	23,9
<b>4H</b>	<b>6H</b>	20,1	21,1	20,6	21,5	21,9	22,4	23,3	22,8	23,7	24,2
<b>4H</b>	<b>8H</b>	20,2	21,1	20,7	21,5	22,0	22,5	23,4	23,0	23,8	24,3
<b>4H</b>	<b>12H</b>	20,2	21,0	20,7	21,5	22,0	22,6	23,4	23,0	23,8	24,3
<b>8H</b>	<b>4H</b>	20,1	20,9	20,6	21,4	21,9	22,1	22,9	22,5	23,4	23,8
<b>8H</b>	<b>6H</b>	20,4	21,1	20,9	21,6	22,1	22,5	23,2	23,0	23,7	24,2
<b>8H</b>	<b>8H</b>	20,6	21,2	21,1	21,7	22,2	22,7	23,3	23,2	23,8	24,3
<b>8H</b>	<b>12H</b>	20,6	21,1	21,1	21,7	22,2	22,8	23,3	23,3	23,8	24,3
<b>12H</b>	<b>4H</b>	20,1	20,9	20,6	21,3	21,8	22,1	22,9	22,5	23,3	23,8
<b>12H</b>	<b>6H</b>	20,5	21,1	21,0	21,6	22,1	22,5	23,2	23,0	23,7	24,1
<b>12H</b>	<b>8H</b>	20,6	21,1	21,1	21,6	22,1	22,7	23,2	23,2	23,7	24,2

UGR values are corrected for lamp flux of 3540 lm by 4,4

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Luminance [cd/m<sup>2</sup>] REBA 65 EXT LINE L0842 MID+INT SYM BLINE 840 HO / Direct im  
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	6034,72	6096,38	6451,23	7139,72	8292,64	10169,6	13385,5	10169,6	8292,64
50,00	5227,30	5287,21	5613,24	6268,21	7383,51	9247,18	12673,4	9247,18	7383,51
55,00	4463,85	4525,46	4819,35	5428,20	6472,28	8312,09	11913,0	8312,09	6472,28
60,00	3742,82	3793,56	4062,34	4610,30	5567,68	7328,20	11080,8	7328,20	5567,68
65,00	3056,26	3097,63	3327,53	3790,71	4646,92	6265,67	10099,8	6265,67	4646,92
70,00	2372,44	2405,63	2589,23	2961,64	3680,34	5096,72	8883,80	5096,72	3680,34
75,00	1717,86	1740,09	1873,35	2144,08	2685,24	3824,34	7339,41	3824,34	2685,24
80,00	1105,89	1112,00	1196,25	1358,47	1709,18	2450,83	5426,48	2450,83	1709,18
85,00	587,59	581,86	618,74	684,30	841,97	1188,95	3096,74	1188,95	841,97

G/C [cd/	135,00	150,00	165,00	180,00	195,00	210,00	225,00	240,00	255,00
45,00	7139,72	6451,23	6096,38	6034,72	6096,38	6451,23	7139,72	8292,64	10169,6
50,00	6268,21	5613,24	5287,21	5227,30	5287,21	5613,24	6268,21	7383,51	9247,18
55,00	5428,20	4819,35	4525,46	4463,85	4525,46	4819,35	5428,20	6472,28	8312,09
60,00	4610,30	4062,34	3793,56	3742,82	3793,56	4062,34	4610,30	5567,68	7328,20
65,00	3790,71	3327,53	3097,63	3056,26	3097,63	3327,53	3790,71	4646,92	6265,67
70,00	2961,64	2589,23	2405,63	2372,44	2405,63	2589,23	2961,64	3680,34	5096,72
75,00	2144,08	1873,35	1740,09	1717,86	1740,09	1873,35	2144,08	2685,24	3824,34
80,00	1358,47	1196,25	1112,00	1105,89	1112,00	1196,25	1358,47	1709,18	2450,83
85,00	684,30	618,74	581,86	587,59	581,86	618,74	684,30	841,97	1188,95

G/C [cd/	270,00	285,00	300,00	315,00	330,00	345,00
45,00	13385,5	10169,6	8292,64	7139,72	6451,23	6096,38
50,00	12673,4	9247,18	7383,51	6268,21	5613,24	5287,21
55,00	11913,0	8312,09	6472,28	5428,20	4819,35	4525,46
60,00	11080,8	7328,20	5567,68	4610,30	4062,34	3793,56
65,00	10099,8	6265,67	4646,92	3790,71	3327,53	3097,63
70,00	8883,80	5096,72	3680,34	2961,64	2589,23	2405,63
75,00	7339,41	3824,34	2685,24	2144,08	1873,35	1740,09
80,00	5426,48	2450,83	1709,18	1358,47	1196,25	1112,00
85,00	3096,74	1188,95	841,97	684,30	618,74	581,86

## HEADQUARTERS

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