

## PHOTOMETRIC RESULTS

<b>Name:</b>	<b>REBA 65 EXT LINE L2809 SRT/END+INT SYM BLINE 840 HO</b>		
<b>Number:</b>	90509-83+90501L010	<b>Diameter:</b>	0 mm
<b>Report:</b>	21-01-2020	<b>Length:</b>	2809 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>	73,6 W
<b>Lamp flux:</b>	11800,00 lm	<b>Operator:</b>	INDEL AGUE GROUP
<b>Date:</b>	21-01-2020 14:50:55	<b>Output ratio:</b>	65,5 %

## Protocol

**LiTG-class:** A40  
**UTE-class:** 0,66 E  
**IES-class:** 50 - 80 - 96 - 100 - 66  
**TM5-class:** BZ4

## Divergences in the plane through maximum intensity:

	Horizontal	Vertical
One half peak divergence	102,7°	99,2°
Half peak side angle (left)	-51,4°	-49,6°
Half peak side angle (right)	51,4°	49,6°
One tenth peak divergence	157,5°	158,7°
Tenth peak side angle (left)	-78,8°	-79,4°
Tenth peak side angle (right)	78,8°	79,4°

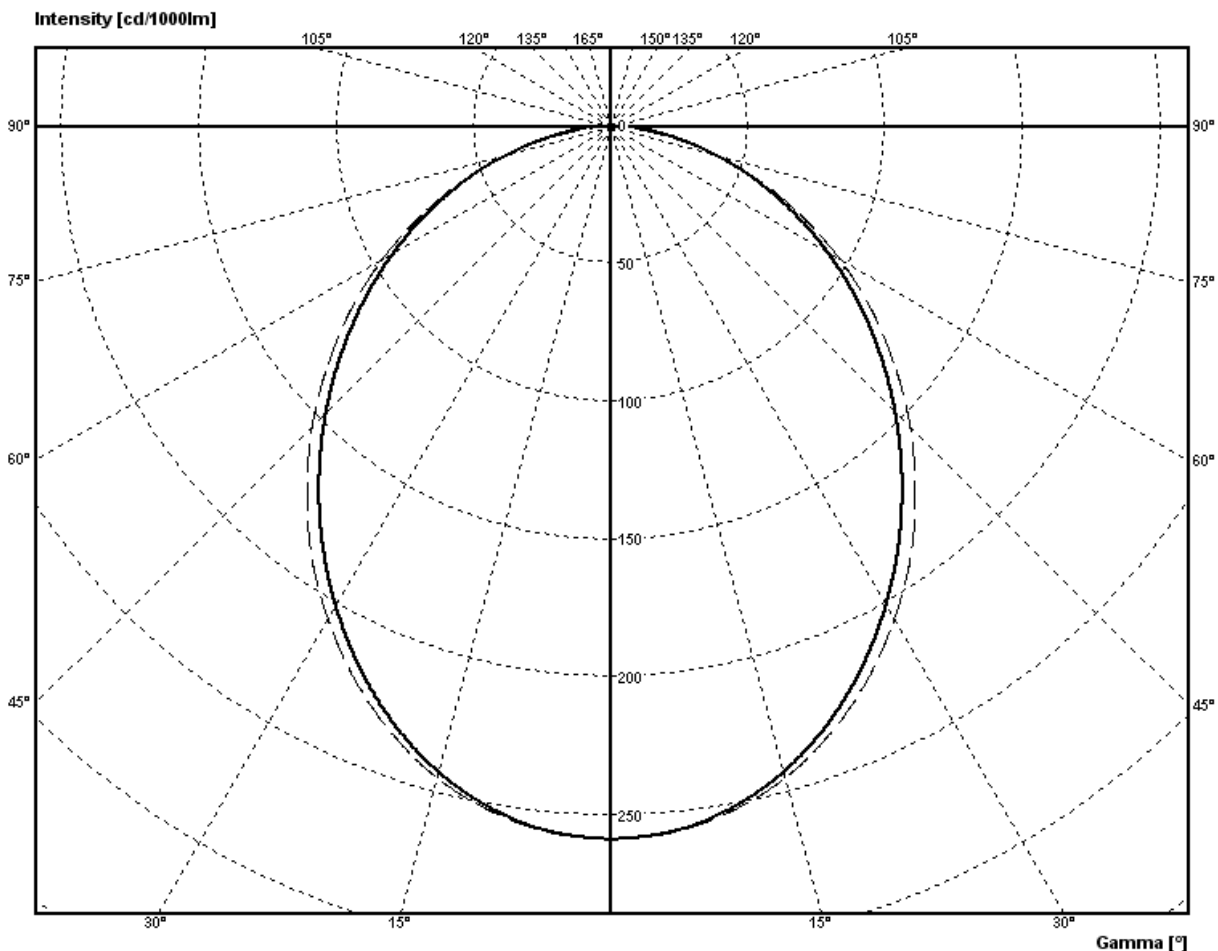
<b>C-planes:</b>	0,0°	15,0°	30,0°	45,0°	60,0°	75,0°	90,0°	105,0°	120,0°	135,0°
	150,0°	165,0°	180,0°	195,0°	210,0°	225,0°	240,0°	255,0°	270,0°	285,0°
	300,0°	315,0°	330,0°	345,0°						

<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°	

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Polar diagram REBA 65 EXT LINE L2809 SRT/END+INT SYM BLINE 840 HO / Direct im  
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>		Viewed crosswise					Viewed endwise				
<b>2H</b>	<b>2H</b>	17,7	19,3	18,1	19,6	20,0	19,9	21,5	20,3	21,8	22,1
<b>2H</b>	<b>3H</b>	18,7	20,2	19,1	20,5	20,8	21,3	22,8	21,7	23,1	23,4
<b>2H</b>	<b>4H</b>	19,0	20,4	19,4	20,8	21,1	21,8	23,2	22,2	23,6	23,9
<b>2H</b>	<b>6H</b>	19,2	20,5	19,6	20,9	21,3	22,2	23,5	22,6	23,9	24,3
<b>2H</b>	<b>8H</b>	19,2	20,5	19,7	20,8	21,2	22,3	23,5	22,7	23,9	24,3
<b>2H</b>	<b>12H</b>	19,2	20,4	19,7	20,8	21,2	22,3	23,5	22,7	23,9	24,3
<b>4H</b>	<b>2H</b>	18,4	19,8	18,8	20,1	20,5	20,2	21,6	20,6	21,9	22,3
<b>4H</b>	<b>3H</b>	19,5	20,7	19,9	21,1	21,5	21,7	22,9	22,1	23,3	23,7
<b>4H</b>	<b>4H</b>	20,0	21,0	20,4	21,4	21,8	22,4	23,4	22,8	23,8	24,3
<b>4H</b>	<b>6H</b>	20,2	21,1	20,6	21,6	22,0	22,8	23,7	23,2	24,1	24,6
<b>4H</b>	<b>8H</b>	20,3	21,1	20,7	21,6	22,0	22,9	23,8	23,4	24,2	24,7
<b>4H</b>	<b>12H</b>	20,3	21,1	20,8	21,5	22,0	23,0	23,8	23,5	24,2	24,7
<b>8H</b>	<b>4H</b>	20,2	21,0	20,6	21,5	21,9	22,4	23,3	22,9	23,7	24,2
<b>8H</b>	<b>6H</b>	20,4	21,2	20,9	21,6	22,1	22,8	23,6	23,3	24,0	24,5
<b>8H</b>	<b>8H</b>	20,6	21,2	21,1	21,8	22,2	23,1	23,7	23,6	24,2	24,7
<b>8H</b>	<b>12H</b>	20,7	21,2	21,2	21,7	22,2	23,2	23,7	23,7	24,2	24,7
<b>12H</b>	<b>4H</b>	20,2	21,0	20,7	21,4	21,9	22,4	23,2	22,9	23,6	24,1
<b>12H</b>	<b>6H</b>	20,5	21,2	21,0	21,7	22,2	22,9	23,5	23,4	24,0	24,5
<b>12H</b>	<b>8H</b>	20,7	21,2	21,2	21,7	22,2	23,1	23,6	23,6	24,1	24,6

UGR values are corrected for lamp flux of 11800 lm by 8,6

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Luminance [cd/m<sup>2</sup>] REBA 65 EXT LINE L2809 SRT/END+INT SYM BLINE 840 HO /  
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	6085,00	6226,98	6636,04	7416,59	8731,71	10859,0	14561,8	10859,0	8731,71
50,00	5267,58	5384,74	5790,76	6521,55	7796,70	9935,90	13936,1	9935,90	7796,70
55,00	4498,55	4603,51	4970,59	5662,10	6866,89	8980,92	13305,4	8980,92	6866,89
60,00	3772,19	3861,63	4191,18	4803,84	5924,27	7974,85	12568,4	7974,85	5924,27
65,00	3064,89	3148,73	3421,80	3959,64	4948,27	6886,63	11699,6	6886,63	4948,27
70,00	2390,58	2450,27	2673,44	3106,24	3944,17	5657,93	10649,1	5657,93	3944,17
75,00	1724,66	1760,73	1929,30	2242,53	2883,86	4275,98	9278,70	4275,98	2883,86
80,00	1102,46	1121,75	1226,96	1414,03	1840,40	2783,94	7355,95	2783,94	1840,40
85,00	592,86	587,64	634,63	712,68	895,25	1353,69	4962,79	1353,69	895,25

G/C [cd/	135,00	150,00	165,00	180,00	195,00	210,00	225,00	240,00	255,00
45,00	7416,59	6636,04	6226,98	6085,00	6226,98	6636,04	7416,59	8731,71	10859,0
50,00	6521,55	5790,76	5384,74	5267,58	5384,74	5790,76	6521,55	7796,70	9935,90
55,00	5662,10	4970,59	4603,51	4498,55	4603,51	4970,59	5662,10	6866,89	8980,92
60,00	4803,84	4191,18	3861,63	3772,19	3861,63	4191,18	4803,84	5924,27	7974,85
65,00	3959,64	3421,80	3148,73	3064,89	3148,73	3421,80	3959,64	4948,27	6886,63
70,00	3106,24	2673,44	2450,27	2390,58	2450,27	2673,44	3106,24	3944,17	5657,93
75,00	2242,53	1929,30	1760,73	1724,66	1760,73	1929,30	2242,53	2883,86	4275,98
80,00	1414,03	1226,96	1121,75	1102,46	1121,75	1226,96	1414,03	1840,40	2783,94
85,00	712,68	634,63	587,64	592,86	587,64	634,63	712,68	895,25	1353,69

G/C [cd/	270,00	285,00	300,00	315,00	330,00	345,00
45,00	14561,8	10859,0	8731,71	7416,59	6636,04	6226,98
50,00	13936,1	9935,90	7796,70	6521,55	5790,76	5384,74
55,00	13305,4	8980,92	6866,89	5662,10	4970,59	4603,51
60,00	12568,4	7974,85	5924,27	4803,84	4191,18	3861,63
65,00	11699,6	6886,63	4948,27	3959,64	3421,80	3148,73
70,00	10649,1	5657,93	3944,17	3106,24	2673,44	2450,27
75,00	9278,70	4275,98	2883,86	2242,53	1929,30	1760,73
80,00	7355,95	2783,94	1840,40	1414,03	1226,96	1121,75
85,00	4962,79	1353,69	895,25	712,68	634,63	587,64

## HEADQUARTERS

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