

## PHOTOMETRIC RESULTS

<b>Name:</b>	<b>REBA 50 /E EXT LINE L2809 SRT/END+INT ASYM 830 HO</b>		
<b>Number:</b>	90506-83+90500L010	<b>Diameter:</b>	0 mm
<b>Report:</b>	23-01-2020	<b>Length:</b>	2809 mm
<b>Meas.-no.:</b>	01	<b>Width:</b>	62 mm
<b>Lamp type:</b>	LED 830 - 01	<b>Height:</b>	72 mm
<b>Number:</b>	1	<b>Power:</b>	79,85 W
<b>Lamp flux:</b>	12000,00 lm	<b>Operator:</b>	INDEL AGUE GROUP
<b>Date:</b>	23-01-2020 14:54:30	<b>Output ratio:</b>	58,5 %

## Protocol

**LiTG-class:** A50  
**UTE-class:** 0,59 D  
**IES-class:** 59 - 87 - 97 - 100 - 59  
**TM5-class:** BZ3/2.50/BZ4

## Divergences in the plane through maximum intensity:

	Horizontal	Vertical
One half peak divergence	94,9°	52,9°
Half peak side angle (left)	-47,4°	-38,8°
Half peak side angle (right)	47,4°	14,1°
One tenth peak divergence	144,1°	133,0°
Tenth peak side angle (left)	-72,0°	-63,2°
Tenth peak side angle (right)	72,0°	69,8°

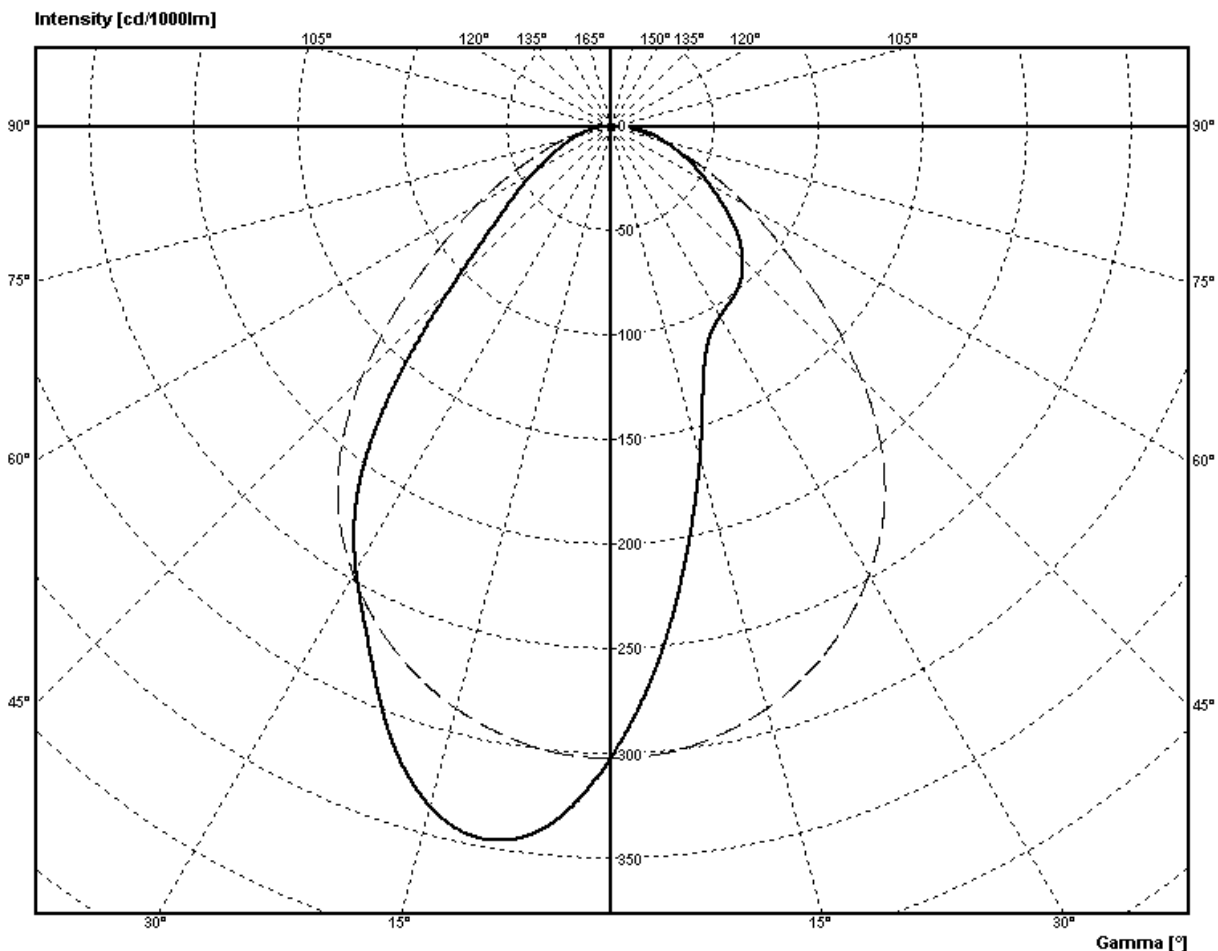
<b>C-planes:</b>	0,0°	15,0°	30,0°	45,0°	60,0°	75,0°	90,0°	105,0°	120,0°	135,0°
	150,0°	165,0°	180,0°	195,0°	210,0°	225,0°	240,0°	255,0°	270,0°	285,0°
	300,0°	315,0°	330,0°	345,0°						

<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 50 /E EXT LINE L2809 SRT/END+INT ASYM 830 HO / 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>	16,4	17,9	16,7	18,2	18,5	20,2	21,7	20,6	22,0	22,3
<b>2H</b>	<b>3H</b>	16,9	18,3	17,3	18,6	19,0	21,0	22,3	21,4	22,7	23,0
<b>2H</b>	<b>4H</b>	17,1	18,4	17,5	18,8	19,1	21,3	22,5	21,7	22,9	23,2
<b>2H</b>	<b>6H</b>	17,3	18,5	17,7	18,8	19,2	21,5	22,7	21,9	23,0	23,4
<b>2H</b>	<b>8H</b>	17,3	18,4	17,7	18,8	19,2	21,5	22,7	21,9	23,0	23,4
<b>2H</b>	<b>12H</b>	17,3	18,4	17,7	18,8	19,2	21,6	22,6	22,0	23,0	23,4
<b>4H</b>	<b>2H</b>	16,9	18,2	17,3	18,5	18,9	20,2	21,5	20,6	21,8	22,2
<b>4H</b>	<b>3H</b>	17,6	18,7	18,0	19,0	19,5	21,1	22,2	21,5	22,6	23,0
<b>4H</b>	<b>4H</b>	17,9	18,9	18,4	19,3	19,7	21,5	22,4	21,9	22,9	23,3
<b>4H</b>	<b>6H</b>	18,1	19,0	18,6	19,4	19,8	21,7	22,6	22,2	23,0	23,5
<b>4H</b>	<b>8H</b>	18,2	19,0	18,6	19,4	19,9	21,8	22,6	22,3	23,1	23,5
<b>4H</b>	<b>12H</b>	18,2	18,9	18,7	19,4	19,9	21,9	22,6	22,4	23,1	23,6
<b>8H</b>	<b>4H</b>	18,1	18,9	18,5	19,3	19,8	21,5	22,2	21,9	22,7	23,1
<b>8H</b>	<b>6H</b>	18,3	19,0	18,8	19,5	20,0	21,7	22,4	22,2	22,9	23,4
<b>8H</b>	<b>8H</b>	18,5	19,1	19,0	19,6	20,1	21,9	22,5	22,4	23,0	23,5
<b>8H</b>	<b>12H</b>	18,5	19,0	19,1	19,5	20,0	22,0	22,5	22,5	23,0	23,5
<b>12H</b>	<b>4H</b>	18,1	18,8	18,6	19,2	19,8	21,4	22,2	21,9	22,6	23,1
<b>12H</b>	<b>6H</b>	18,4	19,0	18,9	19,5	20,0	21,8	22,3	22,3	22,8	23,3
<b>12H</b>	<b>8H</b>	18,5	19,0	19,1	19,5	20,0	21,9	22,4	22,4	22,9	23,4

UGR values are corrected for lamp flux of 12000 lm by 8,6

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Luminance [cd/m<sup>2</sup>] REBA 50 /E EXT LINE L2809 SRT/END+INT ASYM 830 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	4586,42	4711,53	4957,50	5637,07	7123,49	11554,3	21647,4	17750,5	14051,9
50,00	3995,02	3947,08	4181,90	4779,18	6113,90	9414,24	18544,6	14342,1	11050,8
55,00	3309,02	3243,52	3544,18	4006,61	5176,00	7603,60	15524,4	11173,5	8241,22
60,00	2716,58	2652,74	3008,73	3348,93	4305,46	6165,30	13100,5	8444,90	5992,68
65,00	2209,90	2158,38	2452,17	2716,73	3476,65	4896,35	10833,0	6217,81	4198,50
70,00	1749,61	1738,54	1936,92	2152,84	2719,59	3846,91	8951,39	4460,30	2853,51
75,00	1369,07	1337,50	1478,23	1666,44	2080,01	3000,27	7475,06	3193,03	2003,58
80,00	1014,96	926,39	1040,08	1184,05	1475,39	2166,86	6221,48	2166,86	1346,58
85,00	642,16	493,89	570,88	642,21	801,86	1216,59	4726,88	1172,74	738,22

G/C [cd/	135,00	150,00	165,00	180,00	195,00	210,00	225,00	240,00	255,00
45,00	11093,2	8932,98	7587,61	5528,43	7587,61	8932,98	11093,2	14051,9	17750,5
50,00	8181,05	6090,08	4985,79	3716,70	4985,79	6090,08	8181,05	11050,8	14342,1
55,00	5733,47	4136,55	3481,23	2768,07	3481,23	4136,55	5733,47	8241,22	11173,5
60,00	3913,49	2991,90	2586,97	2077,72	2586,97	2991,90	3913,49	5992,68	8444,90
65,00	2708,88	2186,15	1937,17	1554,47	1937,17	2186,15	2708,88	4198,50	6217,81
70,00	1954,55	1626,88	1458,96	1160,52	1458,96	1626,88	1954,55	2853,51	4460,30
75,00	1460,24	1227,08	1103,60	880,55	1103,60	1227,08	1460,24	2003,58	3193,03
80,00	1002,91	849,96	766,31	554,18	766,31	849,96	1002,91	1346,58	2166,86
85,00	557,83	492,68	440,59	285,40	440,59	492,68	557,83	738,22	1172,74

G/C [cd/	270,00	285,00	300,00	315,00	330,00	345,00
45,00	21647,4	11554,3	7123,49	5637,07	4957,50	4711,53
50,00	18544,6	9414,24	6113,90	4779,18	4181,90	3947,08
55,00	15524,4	7603,60	5176,00	4006,61	3544,18	3243,52
60,00	13100,5	6165,30	4305,46	3348,93	3008,73	2652,74
65,00	10833,0	4896,35	3476,65	2716,73	2452,17	2158,38
70,00	8951,39	3846,91	2719,59	2152,84	1936,92	1738,54
75,00	7475,06	3000,27	2080,01	1666,44	1478,23	1337,50
80,00	6221,48	2166,86	1475,39	1184,05	1040,08	926,39
85,00	4726,88	1216,59	801,86	642,21	570,88	493,89

## HEADQUARTERS

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