

## PHOTOMETRIC RESULTS

<b>Name:</b>	REBA 50 /E EXT L0870+INT ASYM 830 HO		
<b>Number:</b>	90520+90500L003	<b>Diameter:</b>	0 mm
<b>Report:</b>	23-01-2020	<b>Length:</b>	870 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>	01	<b>Power:</b>	24,91 W
<b>Lamp flux:</b>	3600,00 lm	<b>Operator:</b>	INDEL AGUE GROUP
<b>Date:</b>	23-01-2020 16:35:18	<b>Output ratio:</b>	58,8 %

## 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	94,1°	52,9°
Half peak side angle (left)	-47,1°	-39,2°
Half peak side angle (right)	47,1°	13,7°
One tenth peak divergence	143,4°	132,5°
Tenth peak side angle (left)	-71,7°	-63,2°
Tenth peak side angle (right)	71,7°	69,3°

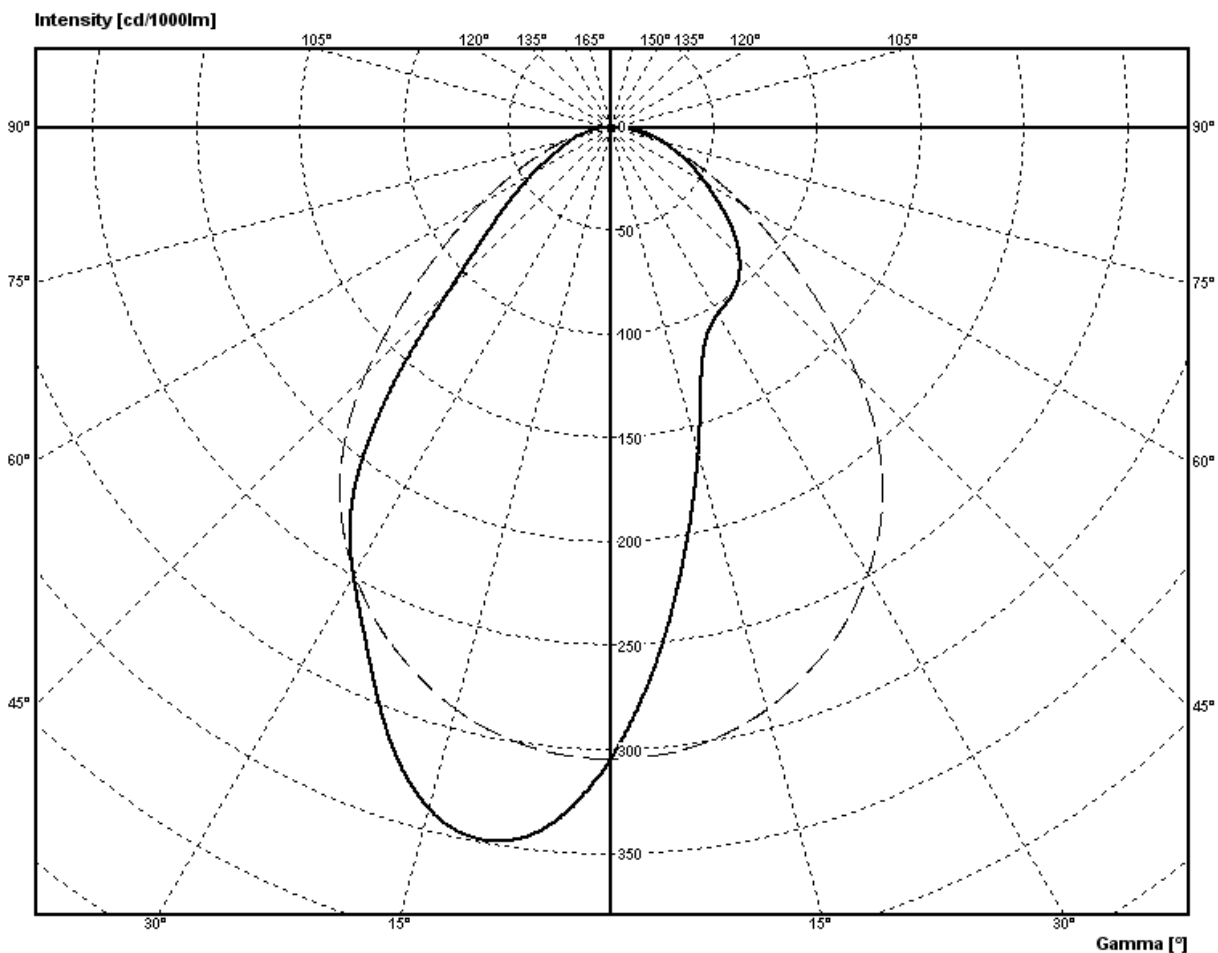
<b>C-planes:</b>	0,0°	15,0°	30,0°	45,0°	60,0°	75,0°	90,0°	105,0°	120,0°	135,0°
	150,0°	165,0°	180,0°	195,0°	210,0°	225,0°	240,0°	255,0°	270,0°	285,0°
	300,0°	315,0°	330,0°	345,0°						

<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 L0870+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>		Viewed crosswise					Viewed endwise				
<b>2H</b>	<b>2H</b>	16,4	17,9	16,8	18,2	18,5	20,0	21,5	20,3	21,8	22,1
<b>2H</b>	<b>3H</b>	16,9	18,3	17,3	18,6	18,9	20,7	22,1	21,1	22,4	22,7
<b>2H</b>	<b>4H</b>	17,1	18,4	17,5	18,7	19,1	21,0	22,2	21,4	22,6	22,9
<b>2H</b>	<b>6H</b>	17,3	18,5	17,7	18,8	19,2	21,2	22,3	21,6	22,7	23,1
<b>2H</b>	<b>8H</b>	17,3	18,4	17,7	18,8	19,2	21,2	22,3	21,6	22,7	23,1
<b>2H</b>	<b>12H</b>	17,3	18,4	17,7	18,8	19,2	21,2	22,3	21,6	22,6	23,1
<b>4H</b>	<b>2H</b>	16,9	18,2	17,3	18,5	18,9	20,0	21,3	20,4	21,6	22,0
<b>4H</b>	<b>3H</b>	17,6	18,6	18,0	19,0	19,4	20,8	21,9	21,3	22,3	22,7
<b>4H</b>	<b>4H</b>	17,9	18,8	18,3	19,3	19,7	21,2	22,2	21,7	22,6	23,0
<b>4H</b>	<b>6H</b>	18,1	18,9	18,5	19,4	19,8	21,4	22,3	21,9	22,7	23,2
<b>4H</b>	<b>8H</b>	18,1	18,9	18,6	19,4	19,8	21,5	22,3	22,0	22,7	23,2
<b>4H</b>	<b>12H</b>	18,2	18,9	18,7	19,3	19,9	21,6	22,3	22,0	22,7	23,2
<b>8H</b>	<b>4H</b>	18,0	18,8	18,5	19,3	19,7	21,2	22,0	21,6	22,4	22,9
<b>8H</b>	<b>6H</b>	18,3	18,9	18,8	19,4	19,9	21,4	22,1	21,9	22,5	23,0
<b>8H</b>	<b>8H</b>	18,5	19,0	19,0	19,5	20,0	21,6	22,1	22,1	22,7	23,1
<b>8H</b>	<b>12H</b>	18,5	19,0	19,0	19,5	20,0	21,6	22,1	22,2	22,6	23,1
<b>12H</b>	<b>4H</b>	18,0	18,8	18,5	19,2	19,7	21,2	21,9	21,6	22,3	22,8
<b>12H</b>	<b>6H</b>	18,4	18,9	18,9	19,4	19,9	21,5	22,0	22,0	22,5	23,0
<b>12H</b>	<b>8H</b>	18,5	19,0	19,0	19,5	20,0	21,6	22,0	22,1	22,6	23,1

UGR values are corrected for lamp flux of 3600 lm by 4,5

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Luminance [cd/m<sup>2</sup>] REBA 50 /E EXT L0870+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	4499,72	4604,01	4842,18	5457,15	6837,15	10911,2	20273,8	17144,9	13883,6
50,00	3881,16	3837,37	4048,00	4589,90	5830,03	8807,36	17058,2	13741,7	10930,4
55,00	3210,05	3126,19	3427,94	3811,98	4905,35	7108,60	14064,3	10648,3	8071,54
60,00	2635,42	2536,51	2888,55	3150,42	4060,42	5714,37	11655,9	8012,42	5815,87
65,00	2163,37	2055,04	2345,25	2548,97	3288,60	4509,03	9460,94	5811,39	4039,60
70,00	1716,56	1667,92	1859,53	2016,46	2570,00	3499,84	7626,65	4114,67	2768,33
75,00	1355,72	1299,56	1429,06	1566,29	1945,82	2709,54	6047,43	2955,86	1945,82
80,00	1005,70	897,17	1005,15	1110,73	1351,03	1910,07	4596,62	1967,95	1295,12
85,00	626,43	476,58	545,80	591,68	735,67	1023,88	2884,14	1056,91	695,35

G/C [cd/	135,00	150,00	165,00	180,00	195,00	210,00	225,00	240,00	255,00
45,00	11174,1	9079,08	7738,76	5627,10	7738,76	9079,08	11174,1	13883,6	17144,9
50,00	8180,39	6160,73	5133,92	3890,82	5133,92	6160,73	8180,39	10930,4	13741,7
55,00	5665,29	4273,86	3640,30	2884,26	3640,30	4273,86	5665,29	8071,54	10648,3
60,00	3953,72	3094,08	2676,85	2127,50	2676,85	3094,08	3953,72	5815,87	8012,42
65,00	2721,89	2215,90	1955,44	1545,27	1955,44	2215,90	2721,89	4039,60	5811,39
70,00	1917,62	1618,48	1444,11	1177,07	1444,11	1618,48	1917,62	2768,33	4114,67
75,00	1436,33	1234,18	1119,37	923,90	1119,37	1234,18	1436,33	1945,82	2955,86
80,00	1003,24	864,19	784,32	570,24	784,32	864,19	1003,24	1295,12	1967,95
85,00	538,58	494,43	441,28	291,61	441,28	494,43	538,58	695,35	1056,91

G/C [cd/	270,00	285,00	300,00	315,00	330,00	345,00
45,00	20273,8	10911,2	6837,15	5457,15	4842,18	4604,01
50,00	17058,2	8807,36	5830,03	4589,90	4048,00	3837,37
55,00	14064,3	7108,60	4905,35	3811,98	3427,94	3126,19
60,00	11655,9	5714,37	4060,42	3150,42	2888,55	2536,51
65,00	9460,94	4509,03	3288,60	2548,97	2345,25	2055,04
70,00	7626,65	3499,84	2570,00	2016,46	1859,53	1667,92
75,00	6047,43	2709,54	1945,82	1566,29	1429,06	1299,56
80,00	4596,62	1910,07	1351,03	1110,73	1005,15	897,17
85,00	2884,14	1023,88	735,67	591,68	545,80	476,58

## HEADQUARTERS

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