

## PHOTOMETRIC RESULTS

<b>Name:</b>	REBA 50 /E EXT L0590+INT ASYM 830 HO		
<b>Number:</b>	90520+90500L002	<b>Diameter:</b>	0 mm
<b>Report:</b>	23-01-2020	<b>Length:</b>	590 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>	17,13 W
<b>Lamp flux:</b>	2400,00 lm	<b>Operator:</b>	INDEL AGUE GROUP
<b>Date:</b>	23-01-2020 17:17:40	<b>Output ratio:</b>	59,4 %

## Protocol

**LiTG-class:** A50  
**UTE-class:** 0,59 D  
**IES-class:** 60 - 87 - 97 - 100 - 59  
**TM5-class:** BZ3/3.00/BZ4

## Divergences in the plane through maximum intensity:

	Horizontal	Vertical
One half peak divergence	93,3°	53,0°
Half peak side angle (left)	-46,6°	-38,4°
Half peak side angle (right)	46,6°	14,6°
One tenth peak divergence	142,5°	132,3°
Tenth peak side angle (left)	-71,2°	-63,1°
Tenth peak side angle (right)	71,2°	69,2°

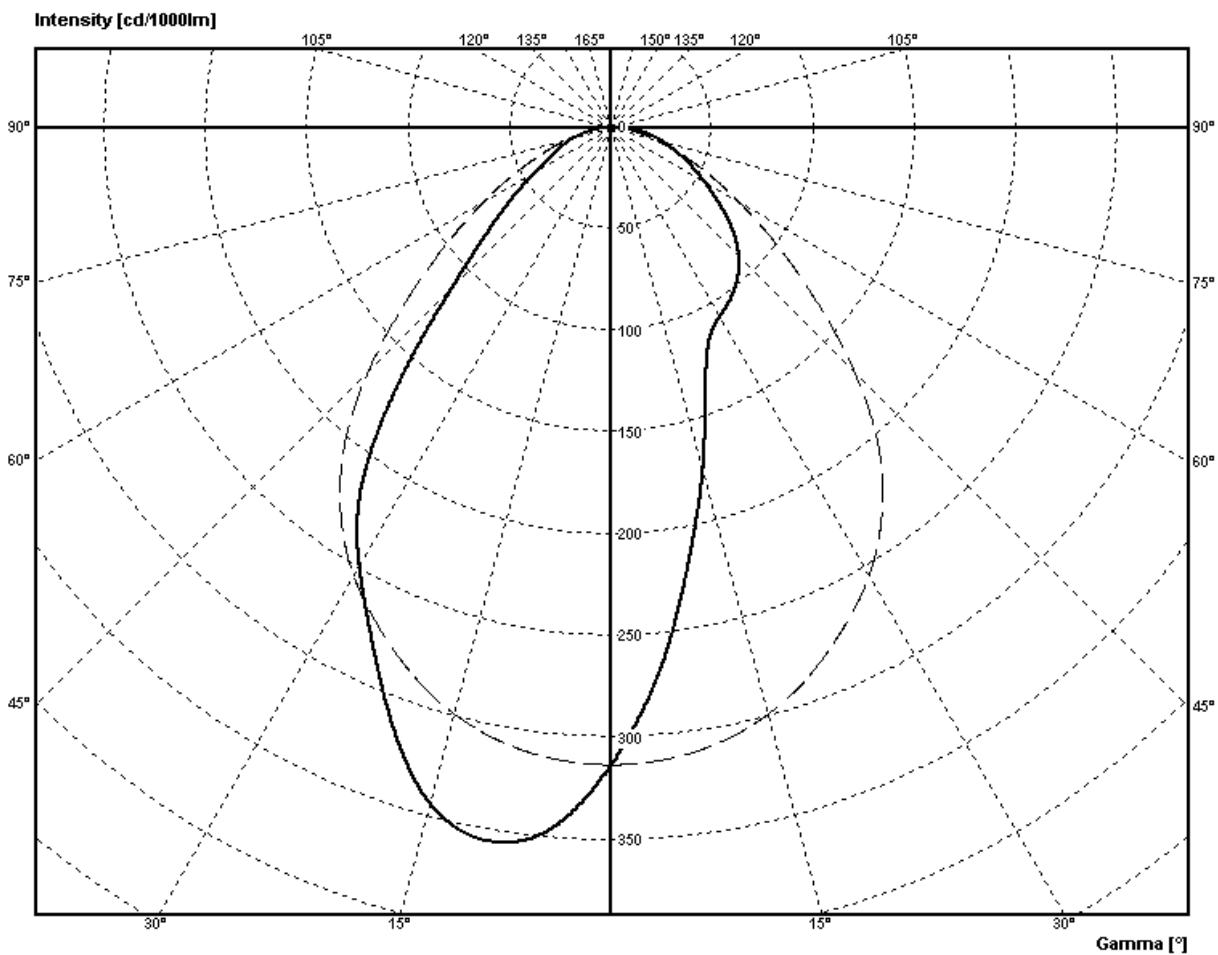
<b>C-planes:</b>	0,0°	15,0°	30,0°	45,0°	60,0°	75,0°	90,0°	105,0°	120,0°	135,0°
	150,0°	165,0°	180,0°	195,0°	210,0°	225,0°	240,0°	255,0°	270,0°	285,0°
	300,0°	315,0°	330,0°	345,0°						

<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 L0590+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>	16,3	17,8	16,7	18,1	18,5	19,8	21,3	20,2	21,6	22,0
<b>2H</b>	<b>3H</b>	16,9	18,2	17,3	18,6	18,9	20,5	21,9	20,9	22,2	22,6
<b>2H</b>	<b>4H</b>	17,1	18,4	17,5	18,7	19,1	20,8	22,0	21,2	22,4	22,8
<b>2H</b>	<b>6H</b>	17,3	18,5	17,7	18,8	19,2	21,0	22,1	21,4	22,5	22,9
<b>2H</b>	<b>8H</b>	17,3	18,4	17,7	18,8	19,2	21,0	22,1	21,4	22,5	22,9
<b>2H</b>	<b>12H</b>	17,3	18,4	17,7	18,8	19,2	21,0	22,0	21,4	22,4	22,8
<b>4H</b>	<b>2H</b>	16,8	18,1	17,2	18,4	18,8	19,9	21,1	20,3	21,5	21,9
<b>4H</b>	<b>3H</b>	17,5	18,6	17,9	19,0	19,4	20,7	21,7	21,1	22,1	22,5
<b>4H</b>	<b>4H</b>	17,9	18,8	18,3	19,2	19,7	21,0	22,0	21,5	22,4	22,8
<b>4H</b>	<b>6H</b>	18,1	18,9	18,6	19,4	19,8	21,2	22,1	21,7	22,5	22,9
<b>4H</b>	<b>8H</b>	18,2	18,9	18,6	19,4	19,8	21,3	22,1	21,8	22,5	23,0
<b>4H</b>	<b>12H</b>	18,2	18,9	18,7	19,4	19,9	21,3	22,0	21,8	22,5	23,0
<b>8H</b>	<b>4H</b>	18,0	18,8	18,5	19,2	19,7	21,0	21,8	21,5	22,2	22,7
<b>8H</b>	<b>6H</b>	18,3	18,9	18,8	19,4	19,9	21,2	21,9	21,7	22,3	22,8
<b>8H</b>	<b>8H</b>	18,5	19,0	19,0	19,5	20,0	21,4	21,9	21,9	22,4	22,9
<b>8H</b>	<b>12H</b>	18,5	19,0	19,1	19,5	20,0	21,4	21,9	21,9	22,4	22,9
<b>12H</b>	<b>4H</b>	18,0	18,7	18,5	19,2	19,7	21,0	21,7	21,5	22,1	22,6
<b>12H</b>	<b>6H</b>	18,4	18,9	18,9	19,4	19,9	21,3	21,8	21,8	22,3	22,8
<b>12H</b>	<b>8H</b>	18,5	19,0	19,0	19,5	20,0	21,4	21,8	21,9	22,3	22,9

UGR values are corrected for lamp flux of 2400 lm by 3,0

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Luminance [cd/m<sup>2</sup>] REBA 50 /E EXT L0590+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	4567,82	4633,71	4855,07	5453,82	6856,25	10931,9	19678,9	16606,6	13469,8
50,00	3948,88	3868,19	4048,36	4571,90	5799,18	8747,65	16393,3	13188,7	10481,0
55,00	3273,24	3140,68	3430,90	3788,87	4824,84	6975,81	13441,5	10127,5	7680,79
60,00	2670,58	2549,56	2888,44	3124,33	3980,29	5549,82	10951,9	7537,15	5532,49
65,00	2184,92	2058,14	2326,47	2519,68	3197,20	4331,25	8781,13	5472,70	3896,22
70,00	1748,82	1665,26	1849,08	1983,00	2485,97	3345,06	6912,48	3866,15	2689,15
75,00	1384,20	1309,69	1423,74	1536,68	1875,67	2528,64	5310,12	2748,52	1875,67
80,00	1025,22	918,67	1008,42	1075,31	1313,63	1766,73	3885,40	1827,65	1219,80
85,00	647,26	487,50	546,68	584,81	708,11	941,72	2182,69	941,72	650,30

G/C [cd/	135,00	150,00	165,00	180,00	195,00	210,00	225,00	240,00	255,00
45,00	10716,7	8725,90	7528,79	5640,00	7528,79	8725,90	10716,7	13469,8	16606,6
50,00	7803,92	6052,10	5116,24	3963,35	5116,24	6052,10	7803,92	10481,0	13188,7
55,00	5551,56	4278,44	3656,43	2899,98	3656,43	4278,44	5551,56	7680,79	10127,5
60,00	3877,84	3043,91	2665,10	2124,98	2665,10	3043,91	3877,84	5532,49	7537,15
65,00	2660,18	2160,89	1941,65	1577,20	1941,65	2160,89	2660,18	3896,22	5472,70
70,00	1886,73	1612,67	1507,41	1278,55	1507,41	1612,67	1886,73	2689,15	3866,15
75,00	1416,94	1250,12	1196,51	993,01	1196,51	1250,12	1416,94	1875,67	2748,52
80,00	950,03	855,36	826,80	621,34	826,80	855,36	950,03	1219,80	1827,65
85,00	518,60	508,98	504,91	355,99	504,91	508,98	518,60	650,30	941,72

G/C [cd/	270,00	285,00	300,00	315,00	330,00	345,00
45,00	19678,9	10931,9	6856,25	5453,82	4855,07	4633,71
50,00	16393,3	8747,65	5799,18	4571,90	4048,36	3868,19
55,00	13441,5	6975,81	4824,84	3788,87	3430,90	3140,68
60,00	10951,9	5549,82	3980,29	3124,33	2888,44	2549,56
65,00	8781,13	4331,25	3197,20	2519,68	2326,47	2058,14
70,00	6912,48	3345,06	2485,97	1983,00	1849,08	1665,26
75,00	5310,12	2528,64	1875,67	1536,68	1423,74	1309,69
80,00	3885,40	1766,73	1313,63	1075,31	1008,42	918,67
85,00	2182,69	941,72	708,11	584,81	546,68	487,50

## HEADQUARTERS

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