

## PHOTOMETRIC RESULTS

<b>Name:</b>	REBA 50 /T EXT L0598+INT ASYM 830 HO		
<b>Number:</b>	90519+90500L002	<b>Diameter:</b>	0 mm
<b>Report:</b>	23-01-2020	<b>Length:</b>	598 mm
<b>Meas.-no.:</b>	01	<b>Width:</b>	70 mm
<b>Lamp type:</b>	LED 830 - 01	<b>Height:</b>	114 mm
<b>Number:</b>	01	<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

<b>Divergences in the plane through maximum intensity:</b>	Horizontal	Vertical
<b>One half peak divergence</b>	93,3°	53,0°
<b>Half peak side angle (left)</b>	-46,6°	-38,4°
<b>Half peak side angle (right)</b>	46,6°	14,6°
<b>One tenth peak divergence</b>	142,5°	132,3°
<b>Tenth peak side angle (left)</b>	-71,2°	-63,1°
<b>Tenth peak side angle (right)</b>	71,2°	69,2°

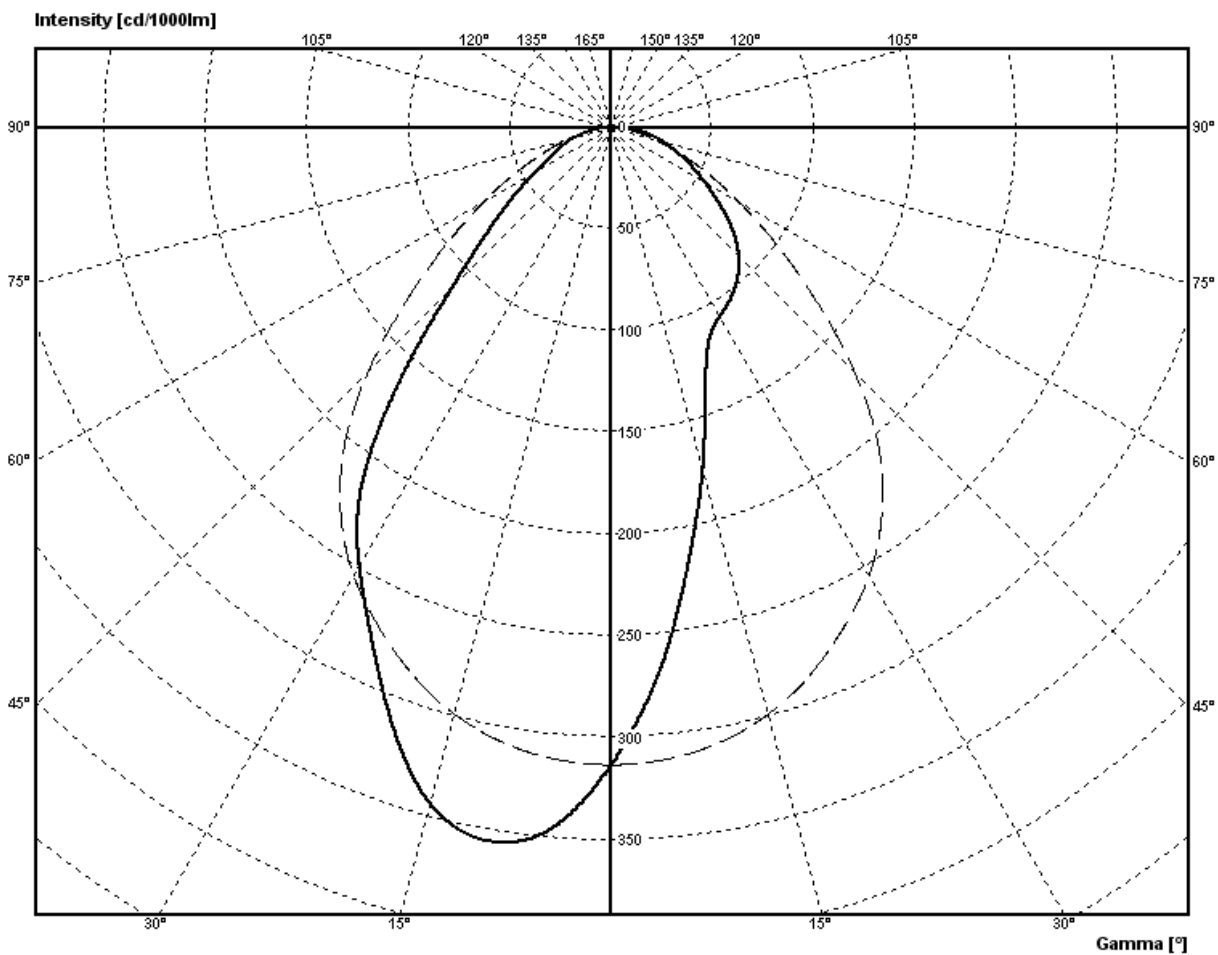
<b>C-planes:</b>	0,0°	15,0°	30,0°	45,0°	60,0°	75,0°	90,0°	105,0°	120,0°	135,0°
	150,0°	165,0°	180,0°	195,0°	210,0°	225,0°	240,0°	255,0°	270,0°	285,0°
	300,0°	315,0°	330,0°	345,0°						

<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 /T EXT L0598+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>	15,3	16,7	15,6	17,1	17,4	19,2	20,6	19,5	21,0	21,3
<b>2H</b>	<b>3H</b>	15,8	17,1	16,2	17,4	17,8	19,8	21,2	20,2	21,5	21,8
<b>2H</b>	<b>4H</b>	16,0	17,2	16,4	17,6	18,0	20,1	21,3	20,5	21,7	22,0
<b>2H</b>	<b>6H</b>	16,1	17,3	16,6	17,7	18,1	20,2	21,4	20,6	21,7	22,1
<b>2H</b>	<b>8H</b>	16,1	17,3	16,6	17,6	18,0	20,2	21,3	20,6	21,7	22,1
<b>2H</b>	<b>12H</b>	16,1	17,2	16,6	17,6	18,0	20,2	21,3	20,6	21,7	22,1
<b>4H</b>	<b>2H</b>	15,7	17,0	16,1	17,4	17,7	19,2	20,4	19,6	20,8	21,1
<b>4H</b>	<b>3H</b>	16,4	17,4	16,8	17,8	18,2	19,9	21,0	20,3	21,4	21,8
<b>4H</b>	<b>4H</b>	16,7	17,6	17,2	18,1	18,5	20,3	21,2	20,7	21,6	22,0
<b>4H</b>	<b>6H</b>	16,9	17,7	17,4	18,2	18,6	20,4	21,3	20,9	21,7	22,1
<b>4H</b>	<b>8H</b>	17,0	17,7	17,4	18,2	18,6	20,5	21,2	20,9	21,7	22,2
<b>4H</b>	<b>12H</b>	17,0	17,7	17,5	18,2	18,7	20,5	21,2	21,0	21,7	22,2
<b>8H</b>	<b>4H</b>	16,8	17,6	17,3	18,0	18,5	20,2	21,0	20,7	21,4	21,9
<b>8H</b>	<b>6H</b>	17,1	17,7	17,6	18,2	18,7	20,4	21,0	20,9	21,5	22,0
<b>8H</b>	<b>8H</b>	17,2	17,8	17,8	18,3	18,8	20,5	21,1	21,0	21,6	22,1
<b>8H</b>	<b>12H</b>	17,3	17,8	17,8	18,3	18,8	20,6	21,0	21,1	21,5	22,1
<b>12H</b>	<b>4H</b>	16,8	17,5	17,3	18,0	18,5	20,2	20,9	20,7	21,3	21,8
<b>12H</b>	<b>6H</b>	17,2	17,7	17,7	18,2	18,7	20,4	21,0	20,9	21,5	22,0
<b>12H</b>	<b>8H</b>	17,3	17,7	17,8	18,3	18,8	20,5	21,0	21,0	21,5	22,0

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 /T EXT L0598+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	3368,77	3421,91	3617,13	4138,38	5376,30	9096,41	18456,2	13818,2	10562,3
50,00	2862,03	2807,05	2962,31	3404,30	4458,05	7137,92	15217,5	10761,7	8057,20
55,00	2332,97	2241,08	2467,13	2769,47	3635,76	5576,17	12329,1	8095,52	5787,87
60,00	1872,59	1789,60	2041,77	2241,97	2938,86	4339,59	9902,90	5893,55	4084,93
65,00	1507,43	1421,28	1616,62	1774,63	2311,27	3306,30	7800,43	4177,64	2816,61
70,00	1187,02	1131,20	1262,78	1370,09	1757,50	2486,05	6001,09	2873,33	1901,14
75,00	923,99	874,81	955,08	1040,64	1294,67	1822,88	4467,21	1981,39	1294,67
80,00	672,59	602,97	663,92	712,85	883,30	1229,05	3119,61	1271,43	820,20
85,00	416,93	314,10	352,82	378,86	462,42	627,59	1620,86	627,59	424,67

G/C [cd/	135,00	150,00	165,00	180,00	195,00	210,00	225,00	240,00	255,00
45,00	8131,91	6500,98	5559,87	4159,50	5559,87	6500,98	8131,91	10562,3	13818,2
50,00	5810,91	4428,50	3712,73	2872,51	3712,73	4428,50	5810,91	8057,20	10761,7
55,00	4057,91	3076,58	2609,10	2066,93	2609,10	3076,58	4057,91	5787,87	8095,52
60,00	2782,68	2151,66	1870,70	1490,01	1870,70	2151,66	2782,68	4084,93	5893,55
65,00	1873,59	1501,56	1340,83	1088,14	1340,83	1501,56	1873,59	2816,61	4177,64
70,00	1303,58	1101,33	1023,98	867,82	1023,98	1101,33	1303,58	1901,14	2873,33
75,00	959,55	838,60	799,21	662,86	799,21	838,60	959,55	1294,67	1981,39
80,00	629,80	563,15	542,67	407,63	542,67	563,15	629,80	820,20	1271,43
85,00	335,97	328,49	325,31	229,31	325,31	328,49	335,97	424,67	627,59

G/C [cd/	270,00	285,00	300,00	315,00	330,00	345,00
45,00	18456,2	9096,41	5376,30	4138,38	3617,13	3421,91
50,00	15217,5	7137,92	4458,05	3404,30	2962,31	2807,05
55,00	12329,1	5576,17	3635,76	2769,47	2467,13	2241,08
60,00	9902,90	4339,59	2938,86	2241,97	2041,77	1789,60
65,00	7800,43	3306,30	2311,27	1774,63	1616,62	1421,28
70,00	6001,09	2486,05	1757,50	1370,09	1262,78	1131,20
75,00	4467,21	1822,88	1294,67	1040,64	955,08	874,81
80,00	3119,61	1229,05	883,30	712,85	663,92	602,97
85,00	1620,86	627,59	462,42	378,86	352,82	314,10

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