

## PHOTOMETRIC RESULTS

<b>Name:</b>	REBA 50 /T EXT L2840+INT ASYM K3 830 HO		
<b>Number:</b>	90519+90500L010	<b>Diameter:</b>	0 mm
<b>Report:</b>	23-01-2020	<b>Length:</b>	2840 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>	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°

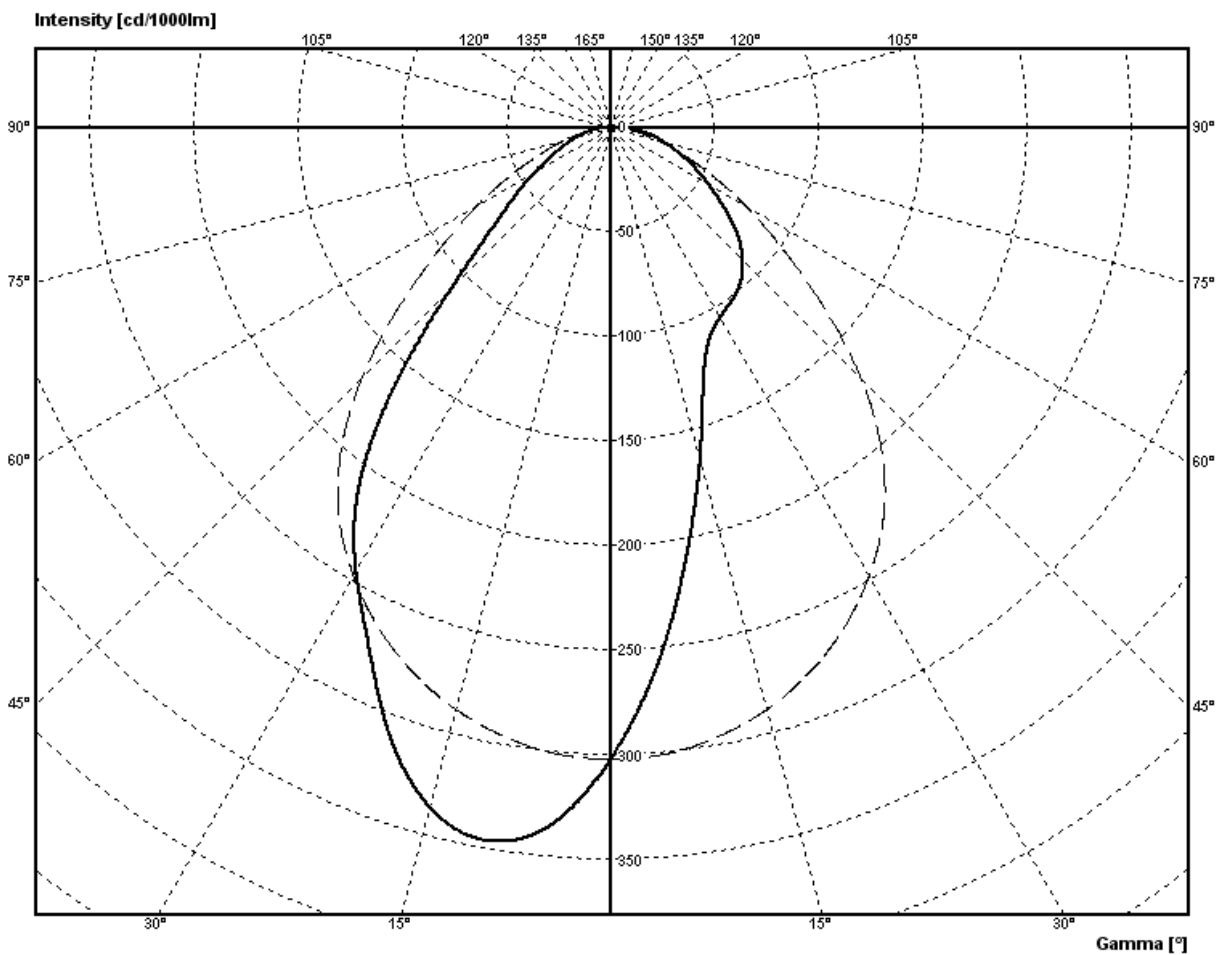
<b>C-planes:</b>	0,0°	15,0°	30,0°	45,0°	60,0°	75,0°	90,0°	105,0°	120,0°	135,0°
	150,0°	165,0°	180,0°	195,0°	210,0°	225,0°	240,0°	255,0°	270,0°	285,0°
	300,0°	315,0°	330,0°	345,0°						

<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 /T EXT L2840+INT ASYM K3 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	16,8	15,7	17,1	17,4	19,6	21,1	20,0	21,4	21,7
<b>2H</b>	<b>3H</b>	15,8	17,2	16,2	17,5	17,8	20,4	21,7	20,7	22,0	22,4
<b>2H</b>	<b>4H</b>	16,0	17,3	16,4	17,6	18,0	20,6	21,9	21,0	22,3	22,6
<b>2H</b>	<b>6H</b>	16,2	17,3	16,6	17,7	18,1	20,9	22,0	21,3	22,4	22,8
<b>2H</b>	<b>8H</b>	16,2	17,3	16,6	17,6	18,0	20,9	22,0	21,3	22,4	22,8
<b>2H</b>	<b>12H</b>	16,1	17,2	16,6	17,6	18,0	20,9	22,0	21,3	22,4	22,8
<b>4H</b>	<b>2H</b>	15,8	17,1	16,2	17,4	17,8	19,6	20,9	20,0	21,2	21,6
<b>4H</b>	<b>3H</b>	16,5	17,5	16,9	17,9	18,3	20,4	21,5	20,8	21,9	22,3
<b>4H</b>	<b>4H</b>	16,8	17,7	17,2	18,1	18,6	20,8	21,8	21,3	22,2	22,6
<b>4H</b>	<b>6H</b>	16,9	17,8	17,4	18,2	18,7	21,0	21,9	21,5	22,3	22,8
<b>4H</b>	<b>8H</b>	17,0	17,8	17,5	18,2	18,7	21,1	21,9	21,6	22,4	22,8
<b>4H</b>	<b>12H</b>	17,0	17,7	17,5	18,2	18,7	21,2	21,9	21,7	22,4	22,9
<b>8H</b>	<b>4H</b>	16,9	17,7	17,4	18,1	18,6	20,8	21,5	21,2	22,0	22,4
<b>8H</b>	<b>6H</b>	17,1	17,8	17,6	18,3	18,8	21,0	21,7	21,5	22,1	22,6
<b>8H</b>	<b>8H</b>	17,3	17,8	17,8	18,4	18,8	21,2	21,7	21,7	22,3	22,7
<b>8H</b>	<b>12H</b>	17,3	17,8	17,9	18,3	18,8	21,2	21,7	21,8	22,2	22,7
<b>12H</b>	<b>4H</b>	16,9	17,6	17,4	18,1	18,6	20,7	21,5	21,2	21,9	22,4
<b>12H</b>	<b>6H</b>	17,2	17,8	17,7	18,3	18,8	21,0	21,6	21,6	22,1	22,6
<b>12H</b>	<b>8H</b>	17,3	17,8	17,8	18,3	18,8	21,2	21,6	21,7	22,1	22,7

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 /T EXT L2840+INT ASYM K3 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	3382,49	3485,59	3707,84	4307,01	5652,98	9830,31	21335,8	15101,9	11151,1
50,00	2895,46	2869,10	3071,32	3582,29	4755,72	7860,80	18228,9	11975,5	8595,94
55,00	2358,47	2318,06	2557,36	2947,03	3945,29	6222,73	15210,5	9144,32	6281,68
60,00	1904,84	1864,66	2133,49	2417,15	3213,82	4936,29	12783,0	6761,47	4473,24
65,00	1524,66	1492,36	1708,74	1923,50	2538,92	3825,81	10513,0	4858,34	3066,07
70,00	1187,56	1182,24	1325,96	1494,27	1940,23	2923,42	8620,02	3389,56	2035,78
75,00	913,89	894,14	993,56	1132,77	1446,83	2207,13	7112,25	2348,92	1393,67
80,00	665,86	608,41	685,73	787,12	997,89	1532,79	5792,00	1532,79	910,77
85,00	413,64	318,32	368,72	416,68	525,42	819,42	4174,36	789,89	483,72

G/C [cd/	135,00	150,00	165,00	180,00	195,00	210,00	225,00	240,00	255,00
45,00	8475,82	6681,21	5613,32	4077,22	5613,32	6681,21	8475,82	11151,1	15101,9
50,00	6132,20	4472,75	3624,13	2693,75	3624,13	4472,75	6132,20	8595,94	11975,5
55,00	4217,21	2984,79	2487,94	1972,92	2487,94	2984,79	4217,21	6281,68	9144,32
60,00	2824,63	2121,55	1818,42	1456,88	1818,42	2121,55	2824,63	4473,24	6761,47
65,00	1917,94	1523,37	1339,41	1072,47	1339,41	1523,37	1917,94	3066,07	4858,34
70,00	1356,64	1113,71	992,12	787,71	992,12	1113,71	1356,64	2035,78	3389,56
75,00	992,60	824,75	737,78	587,79	737,78	824,75	992,60	1393,67	2348,92
80,00	666,70	560,38	503,28	363,57	503,28	560,38	666,70	910,77	1532,79
85,00	361,94	318,21	283,97	183,84	283,97	318,21	361,94	483,72	789,89

G/C [cd/	270,00	285,00	300,00	315,00	330,00	345,00
45,00	21335,8	9830,31	5652,98	4307,01	3707,84	3485,59
50,00	18228,9	7860,80	4755,72	3582,29	3071,32	2869,10
55,00	15210,5	6222,73	3945,29	2947,03	2557,36	2318,06
60,00	12783,0	4936,29	3213,82	2417,15	2133,49	1864,66
65,00	10513,0	3825,81	2538,92	1923,50	1708,74	1492,36
70,00	8620,02	2923,42	1940,23	1494,27	1325,96	1182,24
75,00	7112,25	2207,13	1446,83	1132,77	993,56	894,14
80,00	5792,00	1532,79	997,89	787,12	685,73	608,41
85,00	4174,36	819,42	525,42	416,68	368,72	318,32

## HEADQUARTERS

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