

## PHOTOMETRIC RESULTS

<b>Name:</b>	<b>REBA 50 /T EXT L2000+INT SYM BLINE K3 830 HO</b>		
<b>Number:</b>	90519+90497L007	<b>Diameter:</b>	0 mm
<b>Report:</b>	24-01-2020	<b>Length:</b>	2000 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>	50,77 W
<b>Lamp flux:</b>	7560,00 lm	<b>Operator:</b>	INDEL AGUE GROUP
<b>Date:</b>	24-01-2020 14:27:36	<b>Output ratio:</b>	63,1 %

## Protocol

**LiTG-class:** A40  
**UTE-class:** 0,63 E  
**IES-class:** 50 - 80 - 95 - 100 - 63  
**TM5-class:** BZ5/0.75/BZ4

## Divergences in the plane through maximum intensity:

	Horizontal	Vertical
One half peak divergence	102,1°	100,2°
Half peak side angle (left)	-51,0°	-50,1°
Half peak side angle (right)	51,0°	50,1°
One tenth peak divergence	157,2°	160,5°
Tenth peak side angle (left)	-78,6°	-80,3°
Tenth peak side angle (right)	78,6°	80,3°

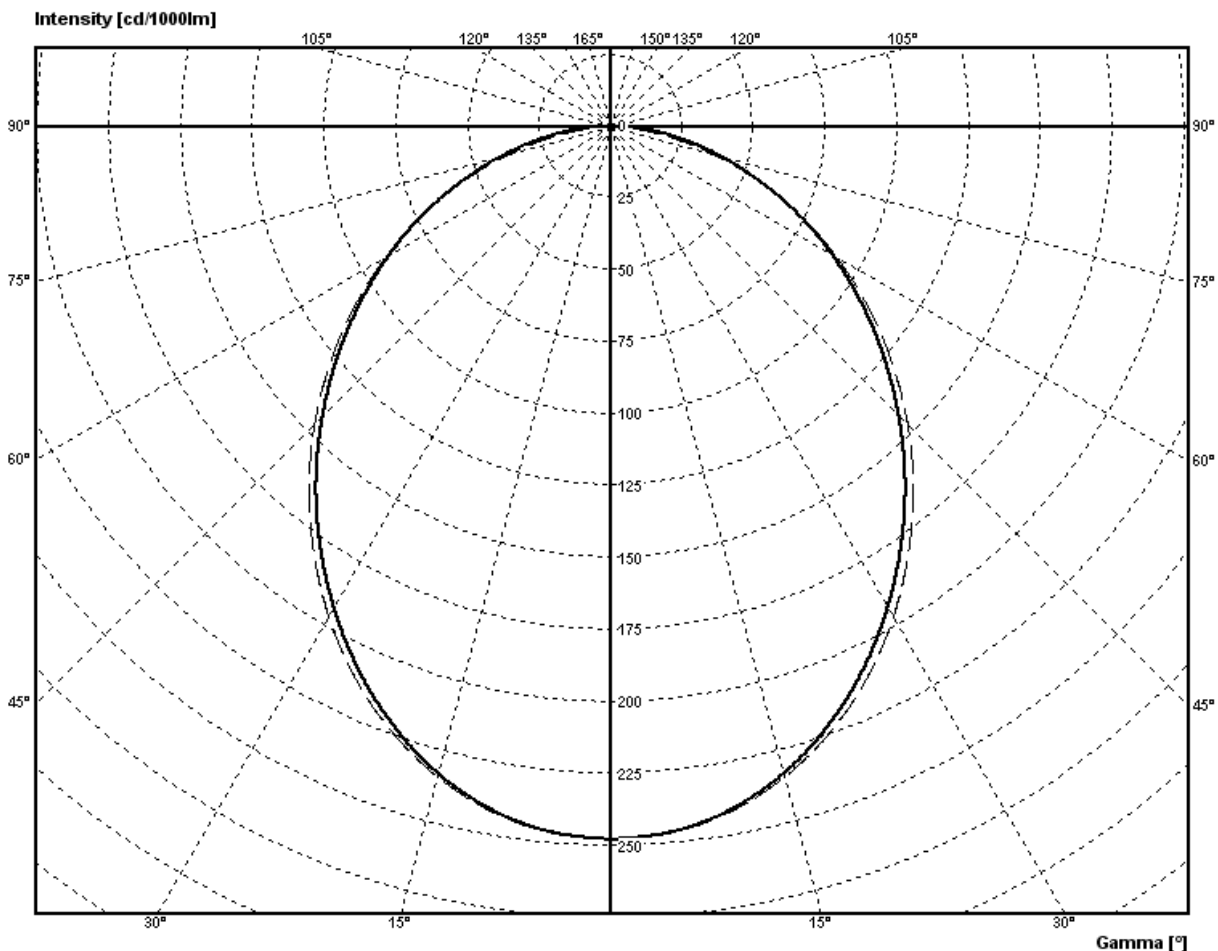
<b>C-planes:</b>	0,0°	15,0°	30,0°	45,0°	60,0°	75,0°	90,0°	105,0°	120,0°	135,0°
	150,0°	165,0°	180,0°	195,0°	210,0°	225,0°	240,0°	255,0°	270,0°	285,0°
	300,0°	315,0°	330,0°	345,0°						

<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 /T EXT L2000+INT SYM BLINE 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>	16,9	18,5	17,2	18,8	19,1	19,5	21,1	19,9	21,4	21,7
<b>2H</b>	<b>3H</b>	17,8	19,3	18,2	19,6	19,9	20,9	22,4	21,3	22,7	23,0
<b>2H</b>	<b>4H</b>	18,1	19,5	18,5	19,8	20,2	21,4	22,8	21,8	23,1	23,5
<b>2H</b>	<b>6H</b>	18,3	19,6	18,7	20,0	20,4	21,8	23,0	22,2	23,4	23,8
<b>2H</b>	<b>8H</b>	18,3	19,6	18,7	19,9	20,3	21,8	23,1	22,2	23,4	23,8
<b>2H</b>	<b>12H</b>	18,3	19,5	18,8	19,9	20,3	21,9	23,0	22,3	23,4	23,8
<b>4H</b>	<b>2H</b>	17,5	18,9	17,9	19,3	19,6	19,7	21,1	20,1	21,5	21,8
<b>4H</b>	<b>3H</b>	18,6	19,8	19,0	20,1	20,6	21,2	22,4	21,6	22,8	23,2
<b>4H</b>	<b>4H</b>	19,0	20,1	19,5	20,5	20,9	21,8	22,9	22,3	23,3	23,7
<b>4H</b>	<b>6H</b>	19,3	20,2	19,7	20,6	21,1	22,2	23,1	22,7	23,6	24,0
<b>4H</b>	<b>8H</b>	19,3	20,2	19,8	20,6	21,1	22,3	23,2	22,8	23,6	24,1
<b>4H</b>	<b>12H</b>	19,4	20,2	19,9	20,6	21,1	22,4	23,2	22,9	23,6	24,1
<b>8H</b>	<b>4H</b>	19,2	20,1	19,7	20,5	21,0	21,8	22,7	22,3	23,2	23,6
<b>8H</b>	<b>6H</b>	19,5	20,3	20,0	20,7	21,2	22,2	23,0	22,7	23,5	23,9
<b>8H</b>	<b>8H</b>	19,7	20,3	20,2	20,8	21,3	22,5	23,1	23,0	23,6	24,1
<b>8H</b>	<b>12H</b>	19,8	20,3	20,3	20,8	21,3	22,5	23,1	23,1	23,6	24,1
<b>12H</b>	<b>4H</b>	19,2	20,0	19,7	20,5	21,0	21,8	22,6	22,3	23,1	23,6
<b>12H</b>	<b>6H</b>	19,6	20,2	20,1	20,7	21,2	22,3	22,9	22,8	23,4	23,9
<b>12H</b>	<b>8H</b>	19,7	20,3	20,3	20,8	21,3	22,5	23,0	23,0	23,5	24,0

UGR values are corrected for lamp flux of 7560 lm by 7,0

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Luminance [cd/m<sup>2</sup>] REBA 50 /T EXT L2000+INT SYM BLINE 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	4824,91	4930,09	5326,92	6104,00	7493,90	10144,9	16319,5	10144,9	7493,90
50,00	4086,98	4182,38	4533,91	5231,19	6517,12	9050,11	15540,0	9050,11	6517,12
55,00	3420,26	3508,42	3813,24	4431,40	5584,23	7976,03	14699,7	7976,03	5584,23
60,00	2820,73	2888,89	3150,82	3676,13	4696,51	6872,68	13788,7	6872,68	4696,51
65,00	2259,60	2314,16	2524,36	2960,66	3817,28	5729,75	12705,4	5729,75	3817,28
70,00	1730,81	1775,42	1935,94	2275,28	2955,79	4547,58	11351,8	4547,58	2955,79
75,00	1247,28	1273,18	1386,42	1619,77	2109,90	3301,14	9629,92	3301,14	2109,90
80,00	811,41	821,41	890,03	1019,57	1313,27	2061,92	7350,16	2061,92	1313,27
85,00	438,44	439,90	467,56	516,19	639,92	942,59	4468,74	942,59	639,92

G/C [cd/	135,00	150,00	165,00	180,00	195,00	210,00	225,00	240,00	255,00
45,00	6104,00	5326,92	4930,09	4824,91	4930,09	5326,92	6104,00	7493,90	10144,9
50,00	5231,19	4533,91	4182,38	4086,98	4182,38	4533,91	5231,19	6517,12	9050,11
55,00	4431,40	3813,24	3508,42	3420,26	3508,42	3813,24	4431,40	5584,23	7976,03
60,00	3676,13	3150,82	2888,89	2820,73	2888,89	3150,82	3676,13	4696,51	6872,68
65,00	2960,66	2524,36	2314,16	2259,60	2314,16	2524,36	2960,66	3817,28	5729,75
70,00	2275,28	1935,94	1775,42	1730,81	1775,42	1935,94	2275,28	2955,79	4547,58
75,00	1619,77	1386,42	1273,18	1247,28	1273,18	1386,42	1619,77	2109,90	3301,14
80,00	1019,57	890,03	821,41	811,41	821,41	890,03	1019,57	1313,27	2061,92
85,00	516,19	467,56	439,90	438,44	439,90	467,56	516,19	639,92	942,59

G/C [cd/	270,00	285,00	300,00	315,00	330,00	345,00
45,00	16319,5	10144,9	7493,90	6104,00	5326,92	4930,09
50,00	15540,0	9050,11	6517,12	5231,19	4533,91	4182,38
55,00	14699,7	7976,03	5584,23	4431,40	3813,24	3508,42
60,00	13788,7	6872,68	4696,51	3676,13	3150,82	2888,89
65,00	12705,4	5729,75	3817,28	2960,66	2524,36	2314,16
70,00	11351,8	4547,58	2955,79	2275,28	1935,94	1775,42
75,00	9629,92	3301,14	2109,90	1619,77	1386,42	1273,18
80,00	7350,16	2061,92	1313,27	1019,57	890,03	821,41
85,00	4468,74	942,59	639,92	516,19	467,56	439,90

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