

## PHOTOMETRIC RESULTS

<b>Name:</b>	REBA 50 /E EXT LINE L2804 MID+INT SYM BLINE K3 830 HO		
<b>Number:</b>	90506+90497L010	<b>Diameter:</b>	0 mm
<b>Report:</b>	24-01-2020	<b>Length:</b>	2804 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>	73,6 W
<b>Lamp flux:</b>	10800,00 lm	<b>Operator:</b>	INDEL AGUE GROUP
<b>Date:</b>	24-01-2020 16:26:13	<b>Output ratio:</b>	63,5 %

## Protocol

**LiTG-class:** A40  
**UTE-class:** 0,63 E  
**IES-class:** 49 - 80 - 95 - 100 - 63  
**TM5-class:** BZ5/0.75/BZ4

## Divergences in the plane through maximum intensity:

	Horizontal	Vertical
One half peak divergence	102,6°	100,7°
Half peak side angle (left)	-51,3°	-50,3°
Half peak side angle (right)	51,3°	50,3°
One tenth peak divergence	157,4°	160,5°
Tenth peak side angle (left)	-78,7°	-80,3°
Tenth peak side angle (right)	78,7°	80,3°

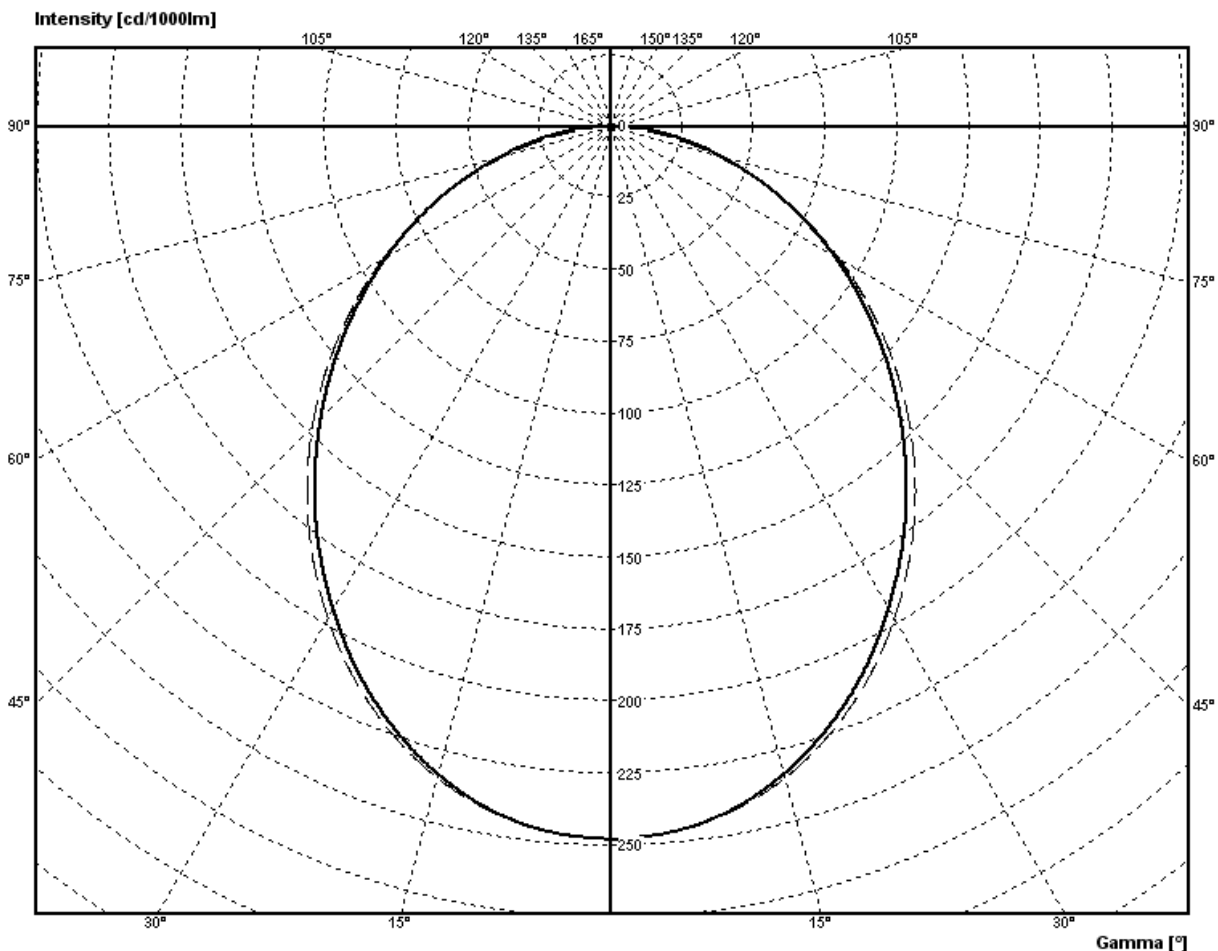
<b>C-planes:</b>	0,0°	15,0°	30,0°	45,0°	60,0°	75,0°	90,0°	105,0°	120,0°	135,0°
	150,0°	165,0°	180,0°	195,0°	210,0°	225,0°	240,0°	255,0°	270,0°	285,0°
	300,0°	315,0°	330,0°	345,0°						

<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 /E EXT LINE L2804 MID+INT SYM BLINE K3 830 HO / Direct beam  
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>	18,0	19,6	18,4	19,9	20,2	20,2	21,8	20,6	22,2	22,5
<b>2H</b>	<b>3H</b>	19,0	20,5	19,4	20,8	21,1	21,6	23,1	22,0	23,5	23,8
<b>2H</b>	<b>4H</b>	19,3	20,7	19,7	21,1	21,4	22,2	23,6	22,6	23,9	24,3
<b>2H</b>	<b>6H</b>	19,6	20,9	20,0	21,2	21,6	22,6	23,8	23,0	24,2	24,6
<b>2H</b>	<b>8H</b>	19,6	20,8	20,0	21,2	21,6	22,6	23,9	23,0	24,3	24,7
<b>2H</b>	<b>12H</b>	19,6	20,8	20,0	21,2	21,6	22,7	23,9	23,1	24,2	24,7
<b>4H</b>	<b>2H</b>	18,7	20,1	19,1	20,4	20,8	20,5	21,9	20,9	22,3	22,6
<b>4H</b>	<b>3H</b>	19,8	21,0	20,2	21,4	21,8	22,0	23,2	22,4	23,6	24,0
<b>4H</b>	<b>4H</b>	20,3	21,3	20,7	21,7	22,2	22,7	23,7	23,1	24,2	24,6
<b>4H</b>	<b>6H</b>	20,5	21,5	21,0	21,9	22,3	23,1	24,0	23,6	24,5	24,9
<b>4H</b>	<b>8H</b>	20,6	21,5	21,1	21,9	22,4	23,2	24,1	23,7	24,5	25,0
<b>4H</b>	<b>12H</b>	20,7	21,5	21,2	21,9	22,4	23,3	24,1	23,8	24,6	25,1
<b>8H</b>	<b>4H</b>	20,5	21,4	21,0	21,8	22,3	22,7	23,6	23,2	24,0	24,5
<b>8H</b>	<b>6H</b>	20,8	21,5	21,3	22,0	22,5	23,2	23,9	23,7	24,4	24,9
<b>8H</b>	<b>8H</b>	21,0	21,6	21,5	22,1	22,6	23,4	24,0	23,9	24,5	25,0
<b>8H</b>	<b>12H</b>	21,1	21,6	21,6	22,1	22,6	23,5	24,0	24,0	24,5	25,0
<b>12H</b>	<b>4H</b>	20,5	21,3	21,0	21,8	22,3	22,7	23,5	23,2	24,0	24,5
<b>12H</b>	<b>6H</b>	20,9	21,5	21,4	22,0	22,5	23,2	23,9	23,7	24,4	24,9
<b>12H</b>	<b>8H</b>	21,0	21,6	21,6	22,1	22,6	23,4	23,9	23,9	24,5	25,0

UGR values are corrected for lamp flux of 10800 lm by 8,3

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Luminance [cd/m<sup>2</sup>] REBA 50 /E EXT LINE L2804 MID+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	6584,45	6714,82	7192,39	8074,70	9578,65	12142,6	16971,5	12142,6	9578,65
50,00	5683,82	5803,72	6239,68	7068,04	8514,38	11068,3	16263,0	11068,3	8514,38
55,00	4843,54	4950,46	5345,49	6105,11	7446,35	9963,31	15509,7	9963,31	7446,35
60,00	4060,74	4147,99	4495,38	5169,50	6412,35	8793,91	14698,8	8793,91	6412,35
65,00	3302,90	3379,47	3678,20	4247,19	5347,25	7536,28	13736,5	7536,28	5347,25
70,00	2579,28	2639,70	2872,39	3333,51	4251,03	6171,14	12476,6	6171,14	4251,03
75,00	1886,19	1924,71	2096,21	2424,19	3107,85	4641,58	10863,8	4641,58	3107,85
80,00	1240,08	1257,26	1362,99	1557,09	1983,15	3025,34	8685,39	3025,34	1983,15
85,00	697,83	695,87	738,76	807,24	998,16	1441,11	5883,83	1441,11	998,16

G/C [cd/	135,00	150,00	165,00	180,00	195,00	210,00	225,00	240,00	255,00
45,00	8074,70	7192,39	6714,82	6584,45	6714,82	7192,39	8074,70	9578,65	12142,6
50,00	7068,04	6239,68	5803,72	5683,82	5803,72	6239,68	7068,04	8514,38	11068,3
55,00	6105,11	5345,49	4950,46	4843,54	4950,46	5345,49	6105,11	7446,35	9963,31
60,00	5169,50	4495,38	4147,99	4060,74	4147,99	4495,38	5169,50	6412,35	8793,91
65,00	4247,19	3678,20	3379,47	3302,90	3379,47	3678,20	4247,19	5347,25	7536,28
70,00	3333,51	2872,39	2639,70	2579,28	2639,70	2872,39	3333,51	4251,03	6171,14
75,00	2424,19	2096,21	1924,71	1886,19	1924,71	2096,21	2424,19	3107,85	4641,58
80,00	1557,09	1362,99	1257,26	1240,08	1257,26	1362,99	1557,09	1983,15	3025,34
85,00	807,24	738,76	695,87	697,83	695,87	738,76	807,24	998,16	1441,11

G/C [cd/	270,00	285,00	300,00	315,00	330,00	345,00
45,00	16971,5	12142,6	9578,65	8074,70	7192,39	6714,82
50,00	16263,0	11068,3	8514,38	7068,04	6239,68	5803,72
55,00	15509,7	9963,31	7446,35	6105,11	5345,49	4950,46
60,00	14698,8	8793,91	6412,35	5169,50	4495,38	4147,99
65,00	13736,5	7536,28	5347,25	4247,19	3678,20	3379,47
70,00	12476,6	6171,14	4251,03	3333,51	2872,39	2639,70
75,00	10863,8	4641,58	3107,85	2424,19	2096,21	1924,71
80,00	8685,39	3025,34	1983,15	1557,09	1362,99	1257,26
85,00	5883,83	1441,11	998,16	807,24	738,76	695,87

## HEADQUARTERS

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