

## PHOTOMETRIC RESULTS

Name:	REBA 50 /E EXT LINE L2249 SRT/END+INT SYM BLINE K3 830 HO		
Number:	90506-83+90497L008	Diameter:	0 mm
Report:	24-01-2020	Length:	2249 mm
Meas.-no.:	01	Width:	62 mm
Lamp type:	LED 830 - 01	Height:	72 mm
Number:	01	Power:	57,62 W
Lamp flux:	8640,00 lm	Operator:	INDEL AGUE GROUP
Date:	24-01-2020 14:27:36	Output ratio:	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°

C-planes:	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°						

Gamma:	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 L2249 SRT/END+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>		<b>Viewed crosswise</b>					<b>Viewed endwise</b>				
<b>2H</b>	<b>2H</b>	18,0	19,6	18,3	19,9	20,2	20,2	21,8	20,5	22,1	22,4
<b>2H</b>	<b>3H</b>	19,0	20,4	19,3	20,8	21,1	21,6	23,0	22,0	23,4	23,7
<b>2H</b>	<b>4H</b>	19,3	20,7	19,7	21,0	21,4	22,1	23,5	22,5	23,8	24,2
<b>2H</b>	<b>6H</b>	19,5	20,8	19,9	21,2	21,6	22,5	23,8	22,9	24,1	24,5
<b>2H</b>	<b>8H</b>	19,6	20,8	20,0	21,2	21,6	22,5	23,8	23,0	24,2	24,6
<b>2H</b>	<b>12H</b>	19,6	20,8	20,0	21,1	21,5	22,6	23,8	23,0	24,1	24,6
<b>4H</b>	<b>2H</b>	18,7	20,0	19,0	20,4	20,7	20,5	21,8	20,9	22,2	22,5
<b>4H</b>	<b>3H</b>	19,8	21,0	20,2	21,3	21,7	22,0	23,1	22,4	23,5	23,9
<b>4H</b>	<b>4H</b>	20,2	21,3	20,7	21,7	22,1	22,6	23,7	23,0	24,1	24,5
<b>4H</b>	<b>6H</b>	20,5	21,4	21,0	21,9	22,3	23,0	23,9	23,5	24,4	24,8
<b>4H</b>	<b>8H</b>	20,6	21,4	21,0	21,9	22,3	23,1	24,0	23,6	24,4	24,9
<b>4H</b>	<b>12H</b>	20,6	21,4	21,1	21,9	22,4	23,2	24,0	23,7	24,5	25,0
<b>8H</b>	<b>4H</b>	20,4	21,3	20,9	21,8	22,2	22,6	23,5	23,1	24,0	24,4
<b>8H</b>	<b>6H</b>	20,8	21,5	21,3	22,0	22,5	23,1	23,8	23,6	24,3	24,8
<b>8H</b>	<b>8H</b>	21,0	21,6	21,5	22,1	22,6	23,3	23,9	23,8	24,4	24,9
<b>8H</b>	<b>12H</b>	21,0	21,6	21,5	22,1	22,6	23,4	23,9	23,9	24,4	24,9
<b>12H</b>	<b>4H</b>	20,5	21,3	20,9	21,7	22,2	22,6	23,4	23,1	23,9	24,4
<b>12H</b>	<b>6H</b>	20,9	21,5	21,4	22,0	22,5	23,1	23,8	23,6	24,3	24,8
<b>12H</b>	<b>8H</b>	21,0	21,5	21,5	22,0	22,6	23,3	23,8	23,8	24,4	24,9

UGR values are corrected for lamp flux of 8640 lm by 7,5

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Luminance [cd/m<sup>2</sup>] REBA 50 /E EXT LINE L2249 SRT/END+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	6543,92	6670,20	7133,98	8009,29	9479,09	11994,5	16734,2	11994,5	9479,09
50,00	5640,45	5759,18	6183,81	6997,40	8411,80	10907,9	16007,1	10907,9	8411,80
55,00	4799,96	4913,81	5293,85	6041,06	7356,83	9813,27	15224,7	9813,27	7356,83
60,00	4023,79	4113,85	4451,30	5107,50	6319,19	8647,47	14379,7	8647,47	6319,19
65,00	3275,98	3350,24	3629,18	4193,61	5250,81	7391,29	13370,6	7391,29	5250,81
70,00	2550,61	2613,45	2833,17	3287,69	4162,46	6034,84	12098,9	6034,84	4162,46
75,00	1868,99	1906,40	2066,58	2390,01	3047,89	4527,89	10465,7	4527,89	3047,89
80,00	1237,12	1251,99	1352,50	1538,40	1951,29	2942,70	8267,78	2942,70	1951,29
85,00	680,83	683,24	725,29	798,03	981,55	1413,51	5440,27	1413,51	981,55

G/C [cd/	135,00	150,00	165,00	180,00	195,00	210,00	225,00	240,00	255,00
45,00	8009,29	7133,98	6670,20	6543,92	6670,20	7133,98	8009,29	9479,09	11994,5
50,00	6997,40	6183,81	5759,18	5640,45	5759,18	6183,81	6997,40	8411,80	10907,9
55,00	6041,06	5293,85	4913,81	4799,96	4913,81	5293,85	6041,06	7356,83	9813,27
60,00	5107,50	4451,30	4113,85	4023,79	4113,85	4451,30	5107,50	6319,19	8647,47
65,00	4193,61	3629,18	3350,24	3275,98	3350,24	3629,18	4193,61	5250,81	7391,29
70,00	3287,69	2833,17	2613,45	2550,61	2613,45	2833,17	3287,69	4162,46	6034,84
75,00	2390,01	2066,58	1906,40	1868,99	1906,40	2066,58	2390,01	3047,89	4527,89
80,00	1538,40	1352,50	1251,99	1237,12	1251,99	1352,50	1538,40	1951,29	2942,70
85,00	798,03	725,29	683,24	680,83	683,24	725,29	798,03	981,55	1413,51

G/C [cd/	270,00	285,00	300,00	315,00	330,00	345,00
45,00	16734,2	11994,5	9479,09	8009,29	7133,98	6670,20
50,00	16007,1	10907,9	8411,80	6997,40	6183,81	5759,18
55,00	15224,7	9813,27	7356,83	6041,06	5293,85	4913,81
60,00	14379,7	8647,47	6319,19	5107,50	4451,30	4113,85
65,00	13370,6	7391,29	5250,81	4193,61	3629,18	3350,24
70,00	12098,9	6034,84	4162,46	3287,69	2833,17	2613,45
75,00	10465,7	4527,89	3047,89	2390,01	2066,58	1906,40
80,00	8267,78	2942,70	1951,29	1538,40	1352,50	1251,99
85,00	5440,27	1413,51	981,55	798,03	725,29	683,24

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