

## PHOTOMETRIC RESULTS

Name:	REBA 50 /E EXT LINE L1969 SRT/END+INT SYM BFLEX K3 840 HO		
Number:	90506-83+90499L007	Diameter:	0 mm
Report:	24-01-2020	Length:	1969 mm
Meas.-no.:	01	Width:	62 mm
Lamp type:	LED 840 - 01	Height:	72 mm
Number:	01	Power:	50,77 W
Lamp flux:	8260,00 lm	Operator:	INDEL AGUE GROUP
Date:	24-01-2020 13:49:26	Output ratio:	63,5 %

## Protocol

LiTG-class: A40  
UTE-class: 0,63 E  
IES-class: 46 - 76 - 93 - 100 - 63  
TM5-class: BZ4/0.75/BZ5

Divergences in the plane through maximum intensity:	Horizontal	Vertical
One half peak divergence	109,1°	113,2°
Half peak side angle (left)	-54,6°	-56,6°
Half peak side angle (right)	54,6°	56,6°
One tenth peak divergence	163,1°	174,6°
Tenth peak side angle (left)	-81,6°	-87,3°
Tenth peak side angle (right)	81,6°	87,3°

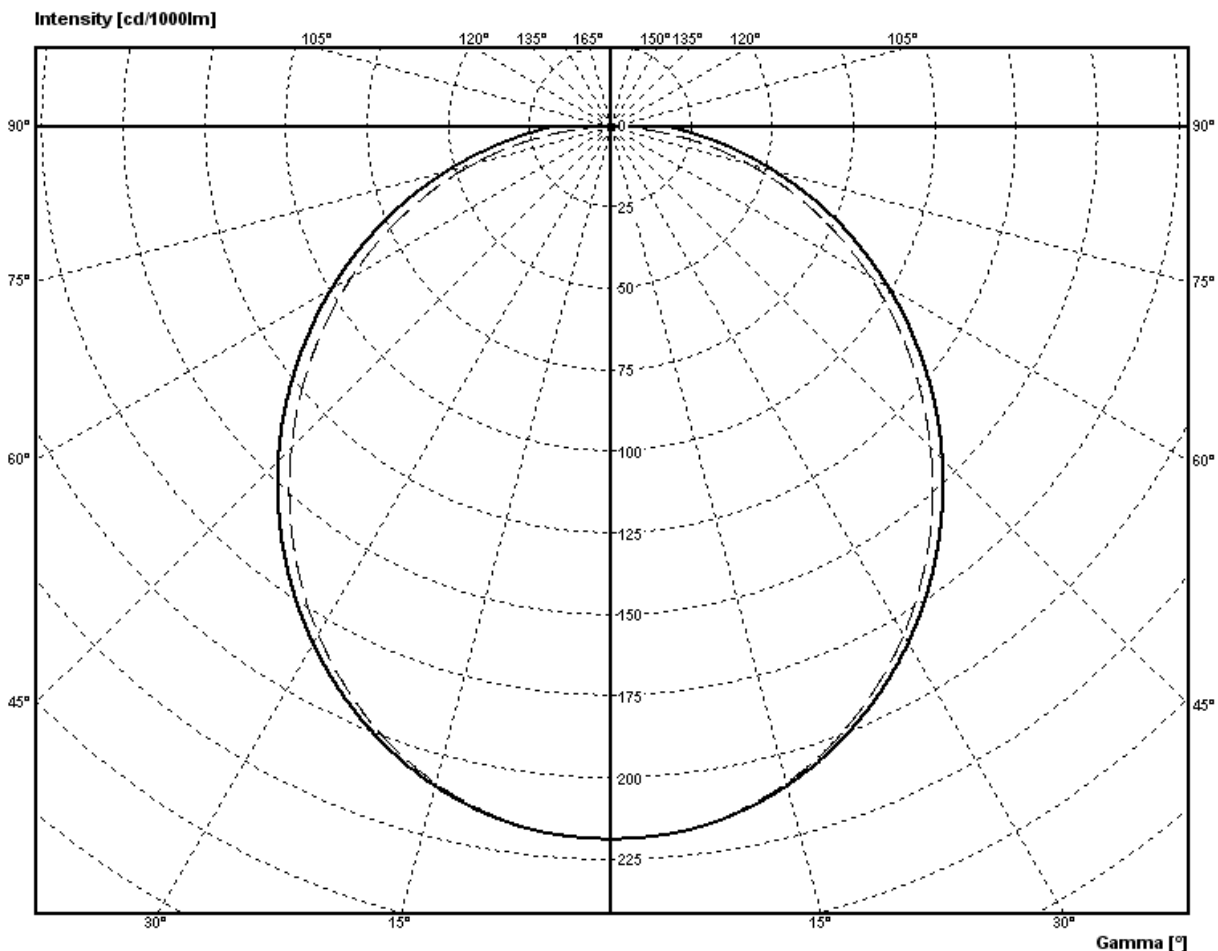
C-planes:	0,0°	15,0°	30,0°	45,0°	60,0°	75,0°	90,0°	105,0°	120,0°	135,0°
	150,0°	165,0°	180,0°	195,0°	210,0°	225,0°	240,0°	255,0°	270,0°	285,0°
	300,0°	315,0°	330,0°	345,0°						

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 L1969 SRT/END+INT SYM BFLEX K3 840 HO /  
Direct in 15° C / 5° G



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<b>Date:</b>	24-01-2020 13:49:26	<b>Output ratio:</b>	63,5 %

## 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>	18,6	20,2	18,9	20,5	20,8	20,4	22,0	20,7	22,3	22,7
<b>2H</b>	<b>3H</b>	19,8	21,3	20,2	21,6	22,0	22,0	23,5	22,3	23,8	24,2
<b>2H</b>	<b>4H</b>	20,3	21,7	20,7	22,1	22,4	22,7	24,1	23,0	24,4	24,8
<b>2H</b>	<b>6H</b>	20,7	22,0	21,1	22,4	22,7	23,2	24,5	23,6	24,9	25,3
<b>2H</b>	<b>8H</b>	20,8	22,1	21,2	22,4	22,8	23,3	24,6	23,7	25,0	25,4
<b>2H</b>	<b>12H</b>	20,8	22,1	21,3	22,5	22,9	23,4	24,7	23,8	25,0	25,4
<b>4H</b>	<b>2H</b>	19,3	20,7	19,7	21,1	21,4	20,7	22,2	21,1	22,5	22,9
<b>4H</b>	<b>3H</b>	20,6	21,9	21,1	22,3	22,7	22,4	23,7	22,9	24,1	24,5
<b>4H</b>	<b>4H</b>	21,3	22,4	21,7	22,8	23,2	23,3	24,4	23,7	24,8	25,2
<b>4H</b>	<b>6H</b>	21,7	22,7	22,2	23,2	23,6	23,8	24,8	24,3	25,3	25,7
<b>4H</b>	<b>8H</b>	21,9	22,8	22,4	23,3	23,7	24,0	25,0	24,5	25,4	25,9
<b>4H</b>	<b>12H</b>	22,1	22,9	22,5	23,4	23,9	24,2	25,1	24,7	25,5	26,0
<b>8H</b>	<b>4H</b>	21,5	22,5	22,0	22,9	23,4	23,4	24,3	23,8	24,7	25,2
<b>8H</b>	<b>6H</b>	22,1	22,9	22,6	23,3	23,8	24,0	24,8	24,5	25,3	25,7
<b>8H</b>	<b>8H</b>	22,4	23,1	22,9	23,6	24,1	24,3	25,0	24,8	25,5	26,0
<b>8H</b>	<b>12H</b>	22,6	23,2	23,1	23,7	24,2	24,5	25,1	25,0	25,6	26,1
<b>12H</b>	<b>4H</b>	21,6	22,4	22,1	22,9	23,4	23,4	24,2	23,8	24,7	25,2
<b>12H</b>	<b>6H</b>	22,2	22,9	22,7	23,4	23,9	24,1	24,8	24,6	25,3	25,8
<b>12H</b>	<b>8H</b>	22,5	23,1	23,0	23,6	24,1	24,4	24,9	24,9	25,4	26,0

UGR values are corrected for lamp flux of 8260 lm by 7,3

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<b>Number:</b>	01	<b>Power:</b>	50,77 W
<b>Lamp flux:</b>	8260,00 lm	<b>Operator:</b>	INDEL AGUE GROUP
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Luminance [cd/m<sup>2</sup>] REBA 50 /E EXT LINE L1969 SRT/END+INT SYM BFLEX K3 840 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	7274,07	7384,92	7790,79	8606,84	9995,44	12507,4	17313,0	12507,4	9995,44
50,00	6435,79	6544,95	6916,64	7671,56	9054,10	11563,0	16846,2	11563,0	9054,10
55,00	5629,08	5723,84	6072,10	6793,12	8086,45	10590,0	16344,3	10590,0	8086,45
60,00	4867,59	4950,56	5261,44	5902,24	7124,56	9570,80	15789,5	9570,80	7124,56
65,00	4122,92	4190,74	4462,16	5034,37	6141,19	8461,65	15165,8	8461,65	6141,19
70,00	3392,59	3445,55	3673,87	4150,48	5107,72	7264,83	14406,7	7264,83	5107,72
75,00	2670,92	2711,16	2884,18	3241,48	4030,24	5859,28	13439,2	5859,28	4030,24
80,00	2010,78	2026,16	2127,88	2342,99	2871,05	4253,81	11655,1	4253,81	2871,05
85,00	1422,09	1422,26	1460,87	1521,11	1739,14	2399,24	8155,15	2399,24	1739,14

G/C [cd/	135,00	150,00	165,00	180,00	195,00	210,00	225,00	240,00	255,00
45,00	8606,84	7790,79	7384,92	7274,07	7384,92	7790,79	8606,84	9995,44	12507,4
50,00	7671,56	6916,64	6544,95	6435,79	6544,95	6916,64	7671,56	9054,10	11563,0
55,00	6793,12	6072,10	5723,84	5629,08	5723,84	6072,10	6793,12	8086,45	10590,0
60,00	5902,24	5261,44	4950,56	4867,59	4950,56	5261,44	5902,24	7124,56	9570,80
65,00	5034,37	4462,16	4190,74	4122,92	4190,74	4462,16	5034,37	6141,19	8461,65
70,00	4150,48	3673,87	3445,55	3392,59	3445,55	3673,87	4150,48	5107,72	7264,83
75,00	3241,48	2884,18	2711,16	2670,92	2711,16	2884,18	3241,48	4030,24	5859,28
80,00	2342,99	2127,88	2026,16	2010,78	2026,16	2127,88	2342,99	2871,05	4253,81
85,00	1521,11	1460,87	1422,26	1422,09	1422,26	1460,87	1521,11	1739,14	2399,24

G/C [cd/	270,00	285,00	300,00	315,00	330,00	345,00
45,00	17313,0	12507,4	9995,44	8606,84	7790,79	7384,92
50,00	16846,2	11563,0	9054,10	7671,56	6916,64	6544,95
55,00	16344,3	10590,0	8086,45	6793,12	6072,10	5723,84
60,00	15789,5	9570,80	7124,56	5902,24	5261,44	4950,56
65,00	15165,8	8461,65	6141,19	5034,37	4462,16	4190,74
70,00	14406,7	7264,83	5107,72	4150,48	3673,87	3445,55
75,00	13439,2	5859,28	4030,24	3241,48	2884,18	2711,16
80,00	11655,1	4253,81	2871,05	2342,99	2127,88	2026,16
85,00	8155,15	2399,24	1739,14	1521,11	1460,87	1422,26

## HEADQUARTERS

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