

## PHOTOMETRIC RESULTS

<b>Name:</b>	REBA 50 /E EXT LINE L1687 SRT/END+INT SYM BFLEX 830 HO		
<b>Number:</b>	90506-83+90499L006	<b>Diameter:</b>	0 mm
<b>Report:</b>	21-01-2020	<b>Length:</b>	1687 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>	1	<b>Power:</b>	43,57 W
<b>Lamp flux:</b>	6480,00 lm	<b>Operator:</b>	INDEL AGUE GROUP
<b>Date:</b>	25-01-2020 10:34:48	<b>Output ratio:</b>	64,3 %

## Protocol

**LiTG-class:** A40  
**UTE-class:** 0,64 E  
**IES-class:** 45 - 76 - 93 - 100 - 64  
**TM5-class:** BZ4/0.75/BZ5

## Divergences in the plane through maximum intensity:

	Horizontal	Vertical
One half peak divergence	110,0°	113,3°
Half peak side angle (left)	-55,0°	-56,7°
Half peak side angle (right)	55,0°	56,7°
One tenth peak divergence	163,8°	175,2°
Tenth peak side angle (left)	-81,9°	-87,6°
Tenth peak side angle (right)	81,9°	87,6°

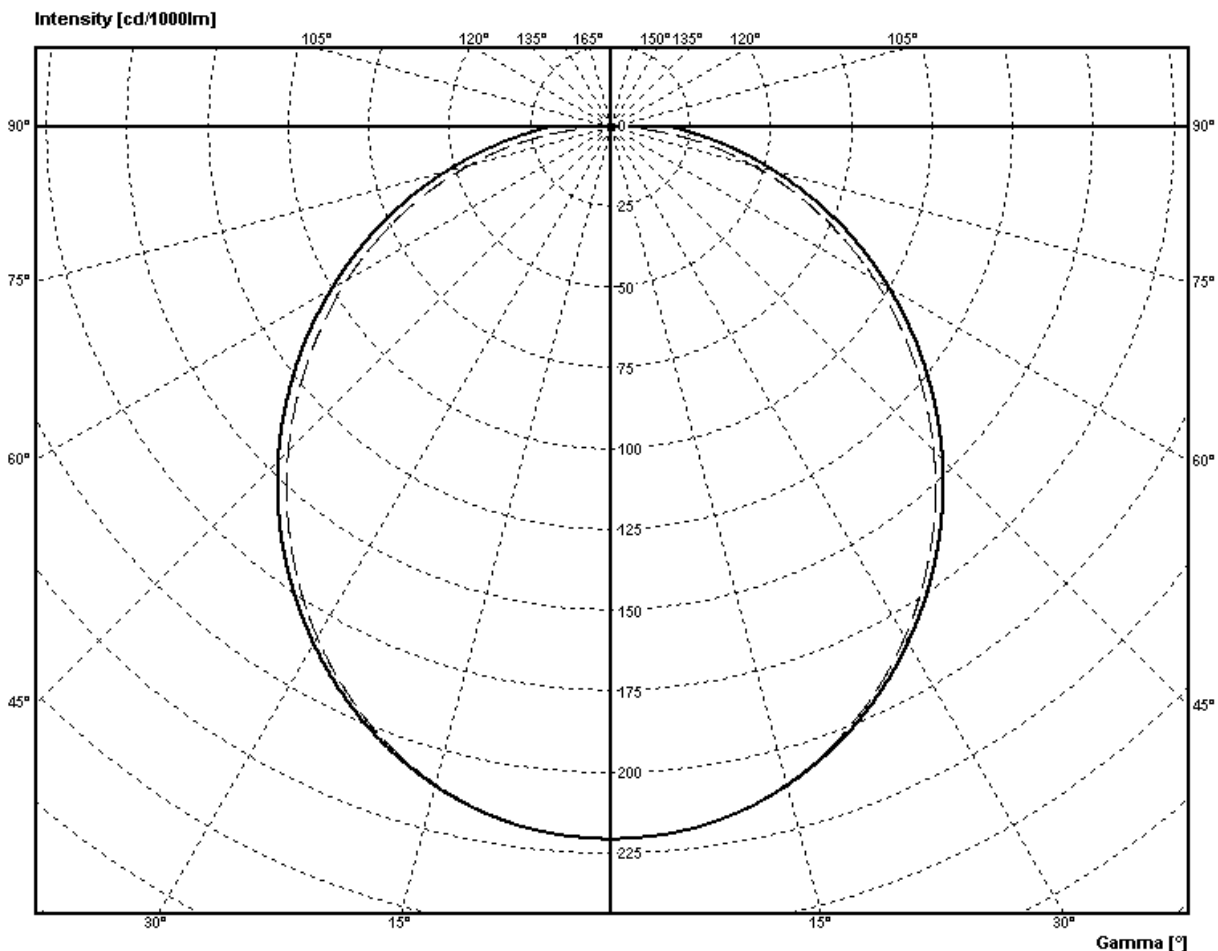
<b>C-planes:</b>	0,0°	15,0°	30,0°	45,0°	60,0°	75,0°	90,0°	105,0°	120,0°	135,0°
	150,0°	165,0°	180,0°	195,0°	210,0°	225,0°	240,0°	255,0°	270,0°	285,0°
	300,0°	315,0°	330,0°	345,0°						

<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 L1687 SRT/END+INT SYM BFLEX 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>	18,3	19,9	18,6	20,3	20,6	20,1	21,8	20,5	22,1	22,4
<b>2H</b>	<b>3H</b>	19,5	21,0	19,9	21,4	21,7	21,7	23,3	22,1	23,6	23,9
<b>2H</b>	<b>4H</b>	20,0	21,4	20,4	21,8	22,1	22,4	23,9	22,8	24,2	24,6
<b>2H</b>	<b>6H</b>	20,4	21,7	20,8	22,1	22,5	23,0	24,3	23,4	24,7	25,1
<b>2H</b>	<b>8H</b>	20,5	21,8	20,9	22,2	22,6	23,1	24,4	23,5	24,8	25,2
<b>2H</b>	<b>12H</b>	20,6	21,8	21,0	22,2	22,6	23,2	24,5	23,6	24,8	25,3
<b>4H</b>	<b>2H</b>	19,0	20,4	19,4	20,8	21,1	20,5	21,9	20,9	22,3	22,6
<b>4H</b>	<b>3H</b>	20,4	21,6	20,8	22,0	22,4	22,2	23,5	22,6	23,8	24,3
<b>4H</b>	<b>4H</b>	21,0	22,1	21,4	22,5	23,0	23,0	24,1	23,5	24,6	25,0
<b>4H</b>	<b>6H</b>	21,5	22,4	21,9	22,9	23,3	23,6	24,6	24,1	25,1	25,5
<b>4H</b>	<b>8H</b>	21,6	22,6	22,1	23,0	23,5	23,8	24,8	24,3	25,2	25,7
<b>4H</b>	<b>12H</b>	21,8	22,7	22,3	23,1	23,6	24,0	24,9	24,5	25,3	25,8
<b>8H</b>	<b>4H</b>	21,3	22,2	21,7	22,6	23,1	23,1	24,1	23,6	24,5	25,0
<b>8H</b>	<b>6H</b>	21,8	22,6	22,3	23,1	23,6	23,8	24,6	24,3	25,0	25,5
<b>8H</b>	<b>8H</b>	22,1	22,8	22,7	23,3	23,8	24,1	24,8	24,6	25,3	25,8
<b>8H</b>	<b>12H</b>	22,4	23,0	22,9	23,5	24,0	24,3	24,9	24,8	25,4	25,9
<b>12H</b>	<b>4H</b>	21,3	22,2	21,8	22,6	23,1	23,1	24,0	23,6	24,4	24,9
<b>12H</b>	<b>6H</b>	22,0	22,6	22,5	23,1	23,6	23,9	24,6	24,4	25,1	25,5
<b>12H</b>	<b>8H</b>	22,2	22,8	22,8	23,3	23,8	24,1	24,7	24,7	25,2	25,7

UGR values are corrected for lamp flux of 6480 lm by 6,5

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Luminance [cd/m<sup>2</sup>] REBA 50 /E EXT LINE L1687 SRT/END+INT SYM BFLEX 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	6723,25	6830,91	7203,94	7951,22	9269,86	11598,1	16060,6	11598,1	9269,86
50,00	5944,66	6052,36	6393,93	7109,92	8381,13	10746,0	15623,3	10746,0	8381,13
55,00	5209,35	5308,40	5621,29	6285,38	7498,93	9851,43	15159,1	9851,43	7498,93
60,00	4499,93	4584,18	4870,81	5467,52	6614,42	8911,91	14697,5	8911,91	6614,42
65,00	3812,16	3881,63	4126,56	4661,45	5692,98	7879,90	14102,2	7879,90	5692,98
70,00	3135,22	3193,50	3394,12	3833,63	4744,14	6767,06	13430,6	6767,06	4744,14
75,00	2478,39	2514,17	2663,30	2999,03	3731,86	5480,08	12468,5	5480,08	3731,86
80,00	1871,06	1889,04	1974,48	2173,44	2660,11	3965,54	10917,2	3965,54	2660,11
85,00	1340,85	1334,56	1359,75	1426,76	1627,17	2225,12	7709,84	2225,12	1627,17

G/C [cd/	135,00	150,00	165,00	180,00	195,00	210,00	225,00	240,00	255,00
45,00	7951,22	7203,94	6830,91	6723,25	6830,91	7203,94	7951,22	9269,86	11598,1
50,00	7109,92	6393,93	6052,36	5944,66	6052,36	6393,93	7109,92	8381,13	10746,0
55,00	6285,38	5621,29	5308,40	5209,35	5308,40	5621,29	6285,38	7498,93	9851,43
60,00	5467,52	4870,81	4584,18	4499,93	4584,18	4870,81	5467,52	6614,42	8911,91
65,00	4661,45	4126,56	3881,63	3812,16	3881,63	4126,56	4661,45	5692,98	7879,90
70,00	3833,63	3394,12	3193,50	3135,22	3193,50	3394,12	3833,63	4744,14	6767,06
75,00	2999,03	2663,30	2514,17	2478,39	2514,17	2663,30	2999,03	3731,86	5480,08
80,00	2173,44	1974,48	1889,04	1871,06	1889,04	1974,48	2173,44	2660,11	3965,54
85,00	1426,76	1359,75	1334,56	1340,85	1334,56	1359,75	1426,76	1627,17	2225,12

G/C [cd/	270,00	285,00	300,00	315,00	330,00	345,00
45,00	16060,6	11598,1	9269,86	7951,22	7203,94	6830,91
50,00	15623,3	10746,0	8381,13	7109,92	6393,93	6052,36
55,00	15159,1	9851,43	7498,93	6285,38	5621,29	5308,40
60,00	14697,5	8911,91	6614,42	5467,52	4870,81	4584,18
65,00	14102,2	7879,90	5692,98	4661,45	4126,56	3881,63
70,00	13430,6	6767,06	4744,14	3833,63	3394,12	3193,50
75,00	12468,5	5480,08	3731,86	2999,03	2663,30	2514,17
80,00	10917,2	3965,54	2660,11	2173,44	1974,48	1889,04
85,00	7709,84	2225,12	1627,17	1426,76	1359,75	1334,56

## HEADQUARTERS

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