

## PHOTOMETRIC RESULTS

<b>Name:</b>	REBA 50 /E EXT LINE L1122 MID+INT ASYM 830 HO		
<b>Number:</b>	90506+90500L004	<b>Diameter:</b>	0 mm
<b>Report:</b>	23-01-2020	<b>Length:</b>	1122 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>	32,11 W
<b>Lamp flux:</b>	4800,00 lm	<b>Operator:</b>	INDEL AGUE GROUP
<b>Date:</b>	23-01-2020 15:43:22	<b>Output ratio:</b>	56,7 %

## Protocol

**LiTG-class:** A50  
**UTE-class:** 0,57 C  
**IES-class:** 60 - 88 - 97 - 100 - 57  
**TM5-class:** BZ3

<b>Divergences in the plane through maximum intensity:</b>	Horizontal	Vertical
<b>One half peak divergence</b>	93,9°	54,8°
<b>Half peak side angle (left)</b>	-46,9°	-40,0°
<b>Half peak side angle (right)</b>	46,9°	14,8°
<b>One tenth peak divergence</b>	140,7°	130,5°
<b>Tenth peak side angle (left)</b>	-70,3°	-62,5°
<b>Tenth peak side angle (right)</b>	70,3°	68,0°

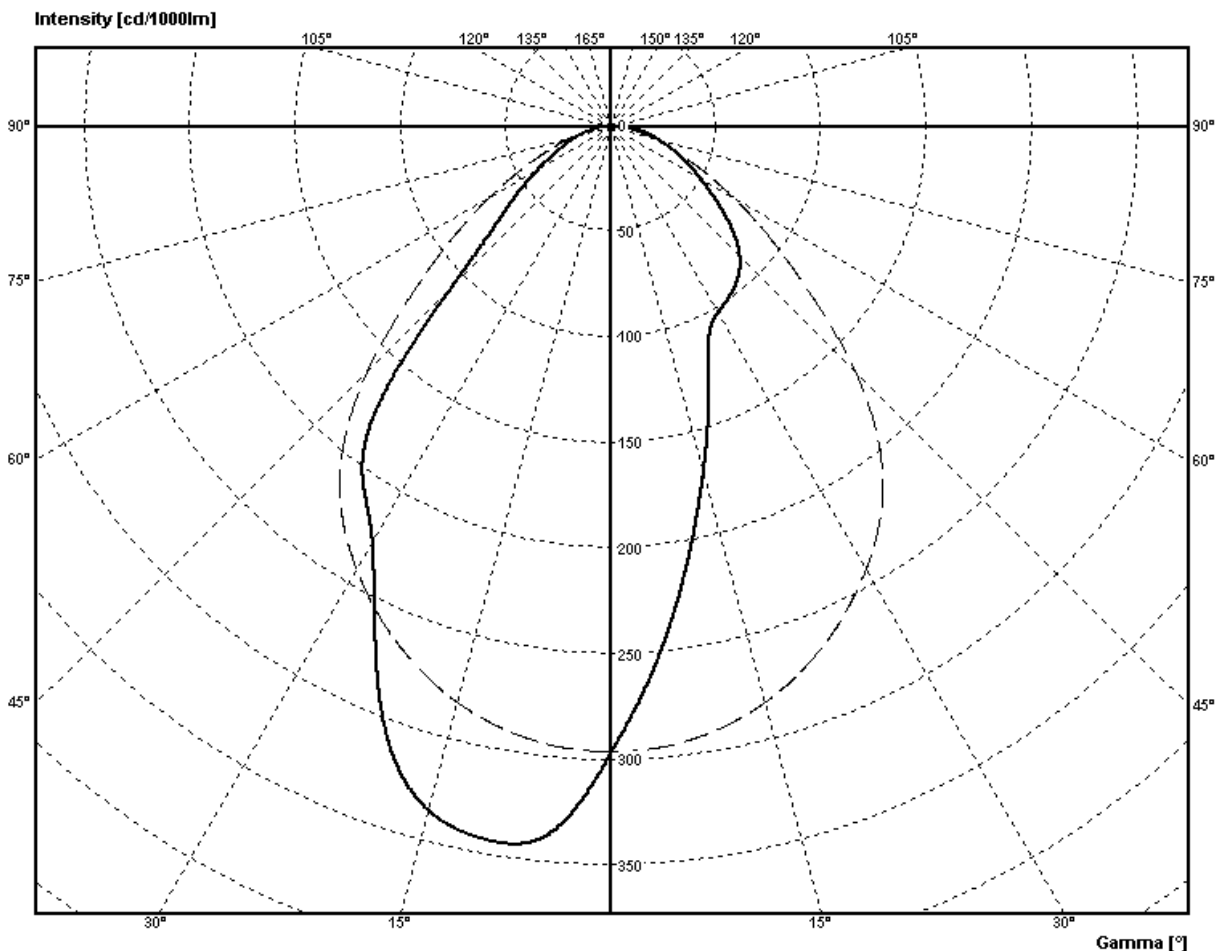
<b>C-planes:</b>	0,0°	15,0°	30,0°	45,0°	60,0°	75,0°	90,0°	105,0°	120,0°	135,0°
	150,0°	165,0°	180,0°	195,0°	210,0°	225,0°	240,0°	255,0°	270,0°	285,0°
	300,0°	315,0°	330,0°	345,0°						

<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 L1122 MID+INT ASYM 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>	16,2	17,7	16,5	18,0	18,3	19,8	21,3	20,1	21,6	21,9
<b>2H</b>	<b>3H</b>	16,7	18,0	17,1	18,4	18,7	20,4	21,8	20,8	22,1	22,4
<b>2H</b>	<b>4H</b>	16,9	18,1	17,3	18,5	18,8	20,7	21,9	21,1	22,3	22,6
<b>2H</b>	<b>6H</b>	17,0	18,2	17,4	18,5	18,9	20,9	22,0	21,3	22,4	22,8
<b>2H</b>	<b>8H</b>	17,0	18,1	17,4	18,5	18,9	20,9	22,0	21,3	22,4	22,8
<b>2H</b>	<b>12H</b>	17,0	18,1	17,4	18,5	18,9	20,9	22,0	21,3	22,3	22,8
<b>4H</b>	<b>2H</b>	16,7	17,9	17,1	18,3	18,6	19,8	21,1	20,2	21,4	21,8
<b>4H</b>	<b>3H</b>	17,3	18,4	17,7	18,7	19,2	20,6	21,6	21,0	22,0	22,4
<b>4H</b>	<b>4H</b>	17,6	18,5	18,1	19,0	19,4	20,9	21,8	21,3	22,2	22,7
<b>4H</b>	<b>6H</b>	17,8	18,6	18,2	19,0	19,5	21,1	21,9	21,6	22,4	22,8
<b>4H</b>	<b>8H</b>	17,8	18,6	18,3	19,0	19,5	21,2	22,0	21,7	22,4	22,9
<b>4H</b>	<b>12H</b>	17,9	18,6	18,3	19,0	19,5	21,2	21,9	21,7	22,4	22,9
<b>8H</b>	<b>4H</b>	17,7	18,5	18,2	18,9	19,4	20,9	21,6	21,3	22,1	22,5
<b>8H</b>	<b>6H</b>	18,0	18,6	18,4	19,1	19,6	21,1	21,7	21,6	22,2	22,7
<b>8H</b>	<b>8H</b>	18,1	18,6	18,6	19,2	19,6	21,3	21,8	21,8	22,3	22,8
<b>8H</b>	<b>12H</b>	18,1	18,6	18,7	19,1	19,6	21,3	21,8	21,8	22,3	22,8
<b>12H</b>	<b>4H</b>	17,7	18,4	18,2	18,9	19,4	20,8	21,5	21,3	22,0	22,5
<b>12H</b>	<b>6H</b>	18,0	18,6	18,5	19,1	19,6	21,1	21,7	21,6	22,2	22,7
<b>12H</b>	<b>8H</b>	18,1	18,6	18,7	19,1	19,6	21,2	21,7	21,8	22,2	22,7

UGR values are corrected for lamp flux of 4800 lm by 5,4

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Luminance [cd/m<sup>2</sup>] REBA 50 /E EXT LINE L1122 MID+INT ASYM 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	4436,18	4537,51	4719,70	5319,15	6863,95	11255,7	20177,7	16651,9	13079,1
50,00	3789,28	3708,59	3914,31	4395,87	5675,15	8815,74	16612,5	13075,2	10004,5
55,00	3063,35	2998,84	3335,66	3667,03	4656,09	6941,03	13645,8	9890,41	7344,03
60,00	2459,58	2386,02	2802,00	3047,67	3780,50	5485,64	11060,5	7314,18	5306,57
65,00	1993,13	1927,08	2225,50	2421,00	3038,88	4186,00	8803,92	5288,90	3734,17
70,00	1582,63	1559,30	1711,43	1890,59	2339,84	3231,13	6996,03	3765,12	2565,67
75,00	1213,34	1171,89	1282,31	1410,70	1757,59	2508,71	5759,87	2667,99	1790,75
80,00	894,77	783,47	893,75	986,05	1227,05	1807,07	4626,59	1818,22	1198,68
85,00	510,62	388,67	463,54	516,58	653,19	972,32	3081,28	997,91	653,19

G/C [cd/	135,00	150,00	165,00	180,00	195,00	210,00	225,00	240,00	255,00
45,00	10349,5	8918,26	7782,57	5436,71	7782,57	8918,26	10349,5	13079,1	16651,9
50,00	7890,27	5915,14	4786,67	3542,94	4786,67	5915,14	7890,27	10004,5	13075,2
55,00	5381,42	3949,69	3318,20	2653,46	3318,20	3949,69	5381,42	7344,03	9890,41
60,00	3700,75	2856,21	2463,99	1977,74	2463,99	2856,21	3700,75	5306,57	7314,18
65,00	2556,30	2069,25	1840,56	1464,05	1840,56	2069,25	2556,30	3734,17	5288,90
70,00	1796,06	1530,37	1391,38	1104,16	1391,38	1530,37	1796,06	2565,67	3765,12
75,00	1312,52	1158,07	1040,77	821,45	1040,77	1158,07	1312,52	1790,75	2667,99
80,00	915,62	801,61	690,30	505,74	690,30	801,61	915,62	1198,68	1818,22
85,00	516,58	468,37	415,17	291,79	415,17	468,37	516,58	653,19	997,91

G/C [cd/	270,00	285,00	300,00	315,00	330,00	345,00
45,00	20177,7	11255,7	6863,95	5319,15	4719,70	4537,51
50,00	16612,5	8815,74	5675,15	4395,87	3914,31	3708,59
55,00	13645,8	6941,03	4656,09	3667,03	3335,66	2998,84
60,00	11060,5	5485,64	3780,50	3047,67	2802,00	2386,02
65,00	8803,92	4186,00	3038,88	2421,00	2225,50	1927,08
70,00	6996,03	3231,13	2339,84	1890,59	1711,43	1559,30
75,00	5759,87	2508,71	1757,59	1410,70	1282,31	1171,89
80,00	4626,59	1807,07	1227,05	986,05	893,75	783,47
85,00	3081,28	972,32	653,19	516,58	463,54	388,67

## HEADQUARTERS

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