

## PHOTOMETRIC RESULTS

<b>Name:</b>	REBA 50 /E EXT L0870+INT ASYM 840 HO		
<b>Number:</b>	90520+90500L003	<b>Diameter:</b>	0 mm
<b>Report:</b>	23-01-2020	<b>Length:</b>	870 mm
<b>Meas.-no.:</b>	01	<b>Width:</b>	62 mm
<b>Lamp type:</b>	LED 840 - 01	<b>Height:</b>	72 mm
<b>Number:</b>	01	<b>Power:</b>	24,91 W
<b>Lamp flux:</b>	3741,00 lm	<b>Operator:</b>	INDEL AGUE GROUP
<b>Date:</b>	23-01-2020 16:05:21	<b>Output ratio:</b>	58,9 %

## Protocol

**LiTG-class:** A50  
**UTE-class:** 0,59 D  
**IES-class:** 59 - 87 - 97 - 100 - 59  
**TM5-class:** BZ3/2.50/BZ4

## Divergences in the plane through maximum intensity:

	Horizontal	Vertical
One half peak divergence	94,1°	52,9°
Half peak side angle (left)	-47,1°	-38,9°
Half peak side angle (right)	47,1°	14,0°
One tenth peak divergence	143,4°	132,2°
Tenth peak side angle (left)	-71,7°	-63,1°
Tenth peak side angle (right)	71,7°	69,1°

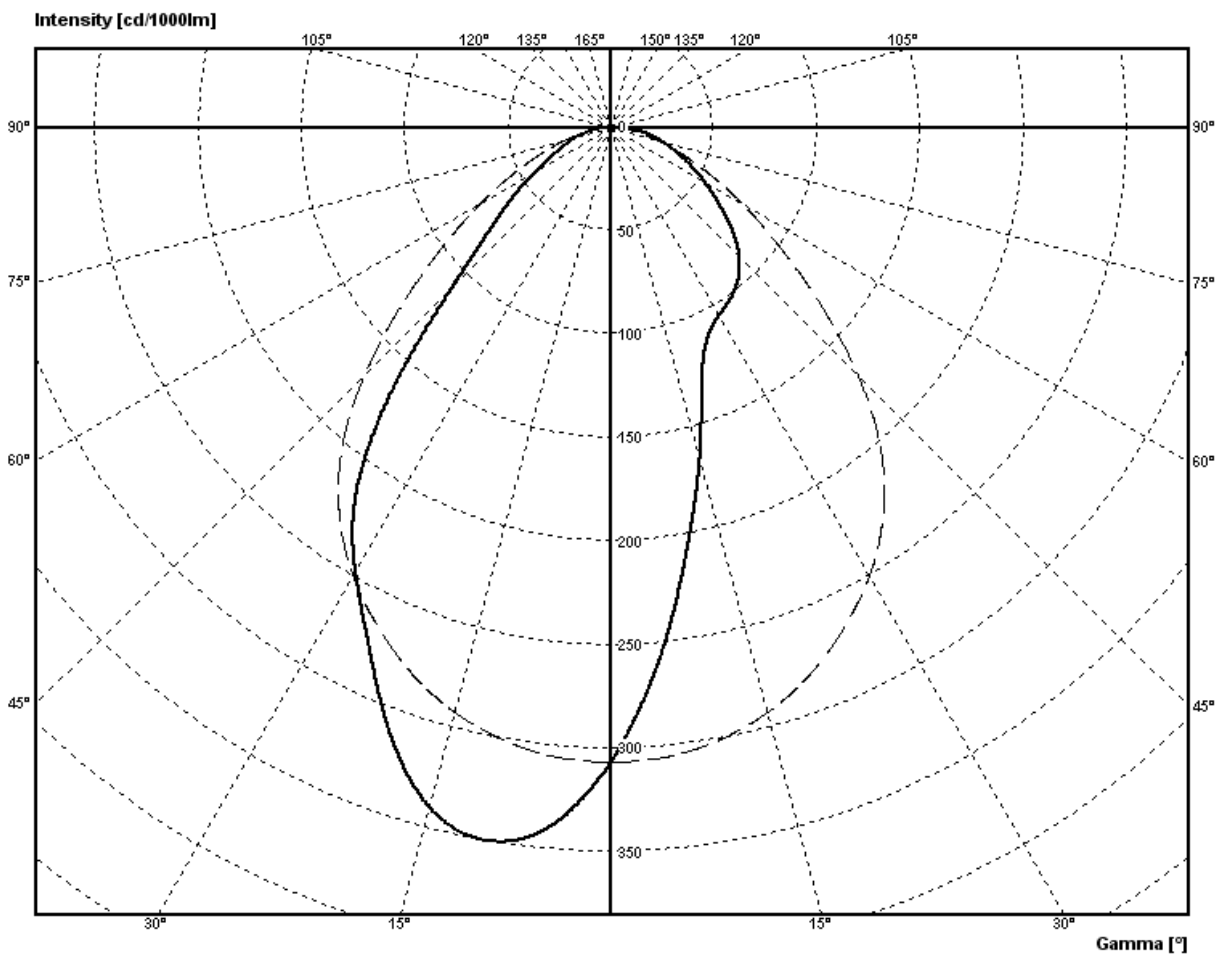
<b>C-planes:</b>	0,0°	15,0°	30,0°	45,0°	60,0°	75,0°	90,0°	105,0°	120,0°	135,0°
	150,0°	165,0°	180,0°	195,0°	210,0°	225,0°	240,0°	255,0°	270,0°	285,0°
	300,0°	315,0°	330,0°	345,0°						

<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 L0870+INT ASYM 840 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>	16,5	18,0	16,8	18,3	18,6	20,1	21,6	20,5	21,9	22,3
<b>2H</b>	<b>3H</b>	17,0	18,4	17,4	18,7	19,0	20,9	22,2	21,3	22,6	22,9
<b>2H</b>	<b>4H</b>	17,2	18,5	17,6	18,8	19,2	21,1	22,4	21,5	22,8	23,1
<b>2H</b>	<b>6H</b>	17,4	18,6	17,8	18,9	19,3	21,3	22,5	21,8	22,9	23,3
<b>2H</b>	<b>8H</b>	17,4	18,5	17,8	18,9	19,3	21,4	22,5	21,8	22,9	23,3
<b>2H</b>	<b>12H</b>	17,4	18,5	17,8	18,9	19,3	21,4	22,4	21,8	22,8	23,2
<b>4H</b>	<b>2H</b>	17,0	18,3	17,4	18,6	19,0	20,2	21,4	20,6	21,8	22,2
<b>4H</b>	<b>3H</b>	17,7	18,7	18,1	19,1	19,5	21,0	22,1	21,4	22,5	22,9
<b>4H</b>	<b>4H</b>	18,0	18,9	18,4	19,4	19,8	21,4	22,3	21,8	22,7	23,2
<b>4H</b>	<b>6H</b>	18,2	19,0	18,7	19,5	19,9	21,6	22,4	22,1	22,9	23,3
<b>4H</b>	<b>8H</b>	18,3	19,0	18,7	19,5	19,9	21,7	22,4	22,1	22,9	23,4
<b>4H</b>	<b>12H</b>	18,3	19,0	18,8	19,5	20,0	21,7	22,4	22,2	22,9	23,4
<b>8H</b>	<b>4H</b>	18,1	18,9	18,6	19,4	19,8	21,3	22,1	21,8	22,6	23,0
<b>8H</b>	<b>6H</b>	18,4	19,1	18,9	19,5	20,0	21,6	22,2	22,1	22,7	23,2
<b>8H</b>	<b>8H</b>	18,6	19,1	19,1	19,6	20,1	21,8	22,3	22,3	22,8	23,3
<b>8H</b>	<b>12H</b>	18,6	19,1	19,1	19,6	20,1	21,8	22,3	22,3	22,8	23,3
<b>12H</b>	<b>4H</b>	18,2	18,9	18,6	19,3	19,8	21,3	22,0	21,8	22,5	23,0
<b>12H</b>	<b>6H</b>	18,5	19,0	19,0	19,5	20,0	21,6	22,2	22,1	22,7	23,2
<b>12H</b>	<b>8H</b>	18,6	19,1	19,1	19,6	20,1	21,7	22,2	22,3	22,7	23,2

UGR values are corrected for lamp flux of 3741 lm by 4,6

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Luminance [cd/m<sup>2</sup>] REBA 50 /E EXT L0870+INT ASYM 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	4676,18	4778,01	5045,20	5704,71	7161,70	11472,0	21217,0	17886,3	14438,7
50,00	4025,98	3977,66	4199,66	4788,35	6100,86	9242,24	17905,7	14291,0	11341,6
55,00	3315,46	3234,54	3552,05	3962,70	5122,91	7429,58	14760,0	11090,9	8374,85
60,00	2731,25	2629,50	2991,52	3278,70	4246,75	6014,33	12236,8	8309,40	6053,71
65,00	2230,98	2122,73	2421,91	2655,00	3450,96	4721,78	9937,23	6077,10	4224,86
70,00	1775,41	1726,17	1932,48	2106,46	2682,86	3672,42	7987,51	4310,07	2897,48
75,00	1405,93	1348,41	1492,73	1632,93	2039,64	2848,44	6326,43	3068,55	2022,21
80,00	1047,17	936,46	1047,16	1152,49	1424,06	1994,30	4855,36	2052,11	1349,60
85,00	648,03	494,12	564,58	613,78	755,02	1072,03	3050,06	1105,02	734,89

G/C [cd/	135,00	150,00	165,00	180,00	195,00	210,00	225,00	240,00	255,00
45,00	11533,0	9356,86	7938,59	5764,34	7938,59	9356,86	11533,0	14438,7	17886,3
50,00	8418,13	6327,19	5268,70	3997,02	5268,70	6327,19	8418,13	11341,6	14291,0
55,00	5869,74	4397,25	3753,73	2970,50	3753,73	4397,25	5869,74	8374,85	11090,9
60,00	4074,86	3196,87	2764,61	2194,58	2764,61	3196,87	4074,86	6053,71	8309,40
65,00	2821,33	2287,05	2017,91	1603,21	2017,91	2287,05	2821,33	4224,86	6077,10
70,00	1994,55	1674,44	1507,73	1226,12	1507,73	1674,44	1994,55	2897,48	4310,07
75,00	1496,29	1280,33	1162,80	954,02	1162,80	1280,33	1496,29	2022,21	3068,55
80,00	1045,12	900,19	817,99	601,34	817,99	900,19	1045,12	1349,60	2052,11
85,00	568,32	519,67	470,59	302,41	470,59	519,67	568,32	734,89	1105,02

G/C [cd/	270,00	285,00	300,00	315,00	330,00	345,00
45,00	21217,0	11472,0	7161,70	5704,71	5045,20	4778,01
50,00	17905,7	9242,24	6100,86	4788,35	4199,66	3977,66
55,00	14760,0	7429,58	5122,91	3962,70	3552,05	3234,54
60,00	12236,8	6014,33	4246,75	3278,70	2991,52	2629,50
65,00	9937,23	4721,78	3450,96	2655,00	2421,91	2122,73
70,00	7987,51	3672,42	2682,86	2106,46	1932,48	1726,17
75,00	6326,43	2848,44	2039,64	1632,93	1492,73	1348,41
80,00	4855,36	1994,30	1424,06	1152,49	1047,16	936,46
85,00	3050,06	1072,03	755,02	613,78	564,58	494,12

## HEADQUARTERS

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