

## PHOTOMETRIC RESULTS

<b>Name:</b>	REBA 50 D/I EXT L1138+INT ASYM 840 HO		
<b>Number:</b>	90523+90530L004	<b>Diameter:</b>	0 mm
<b>Report:</b>	13-02-2020	<b>Length:</b>	1138 mm
<b>Meas.-no.:</b>	01	<b>Width:</b>	50 mm
<b>Lamp type:</b>	LED 840 - 01	<b>Height:</b>	87 mm
<b>Number:</b>	01	<b>Power:</b>	54,07 W
<b>Lamp flux:</b>	8528,00 lm	<b>Operator:</b>	INDEL AGUE GROUP
<b>Date:</b>	13-02-2020 13:57:39	<b>Output ratio:</b>	54,2 %

## Protocol

**LiTG-class:** B53  
**UTE-class:** 0,32 C + 0,23 T  
**IES-class:** 62 - 88 - 97 - 58 - 54  
**TM5-class:** BZ3

## Divergences in the plane through maximum intensity:

	Horizontal	Vertical
One half peak divergence	93,4°	54,2°
Half peak side angle (left)	-46,7°	-40,1°
Half peak side angle (right)	46,7°	14,1°
One tenth peak divergence	140,2°	127,8°
Tenth peak side angle (left)	-70,1°	-60,0°
Tenth peak side angle (right)	70,1°	67,8°

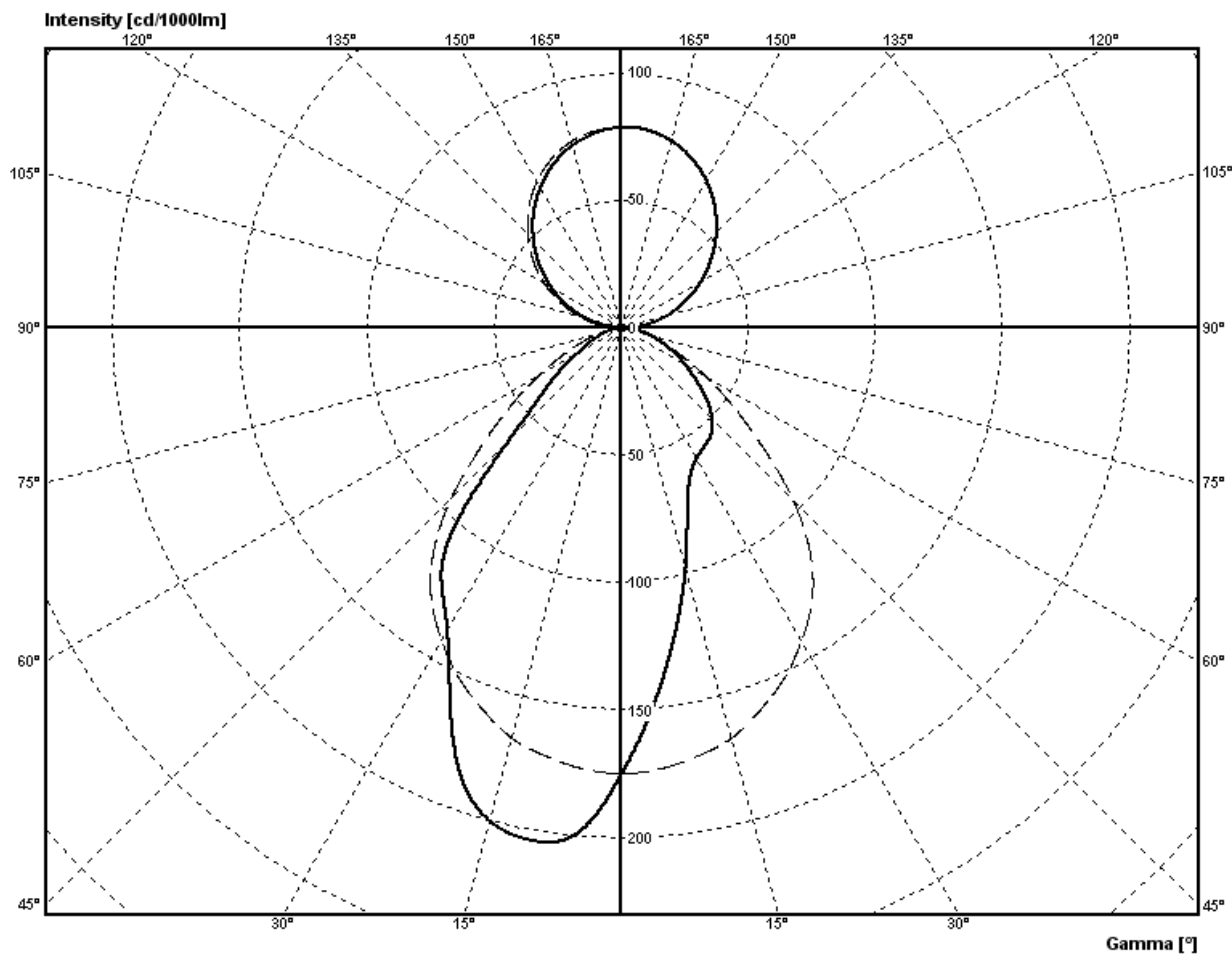
<b>C-planes:</b>	0,0°	15,0°	30,0°	45,0°	60,0°	75,0°	90,0°	105,0°	120,0°	135,0°
	150,0°	165,0°	180,0°	195,0°	210,0°	225,0°	240,0°	255,0°	270,0°	285,0°
	300,0°	315,0°	330,0°	345,0°						

<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°	95,0°
	100,0°	105,0°	110,0°	115,0°	120,0°	125,0°	130,0°	135,0°	140,0°	145,0°
	150,0°	155,0°	160,0°	165,0°	170,0°	175,0°	180,0°			

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Polar diagram REBA 50 D/I EXT L1138+INT ASYM 840 HO / Total 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>	12,3	13,2	13,2	14,1	15,2	16,4	17,3	17,3	18,2	19,3
<b>2H</b>	<b>3H</b>	12,7	13,5	13,6	14,4	15,6	17,0	17,8	17,9	18,7	19,9
<b>2H</b>	<b>4H</b>	12,8	13,6	13,8	14,5	15,7	17,2	18,0	18,1	18,9	20,1
<b>2H</b>	<b>6H</b>	12,9	13,6	13,9	14,5	15,7	17,4	18,1	18,3	19,0	20,2
<b>2H</b>	<b>8H</b>	12,9	13,6	13,8	14,5	15,7	17,4	18,1	18,3	19,0	20,2
<b>2H</b>	<b>12H</b>	12,9	13,5	13,8	14,4	15,6	17,4	18,0	18,3	19,0	20,2
<b>4H</b>	<b>2H</b>	12,7	13,4	13,6	14,4	15,5	16,3	17,0	17,2	18,0	19,2
<b>4H</b>	<b>3H</b>	13,2	13,9	14,2	14,8	16,0	17,0	17,6	17,9	18,6	19,8
<b>4H</b>	<b>4H</b>	13,5	14,0	14,4	15,0	16,2	17,3	17,9	18,3	18,8	20,0
<b>4H</b>	<b>6H</b>	13,6	14,1	14,5	15,0	16,2	17,5	18,0	18,5	18,9	20,2
<b>4H</b>	<b>8H</b>	13,6	14,0	14,6	15,0	16,2	17,5	18,0	18,5	19,0	20,2
<b>4H</b>	<b>12H</b>	13,6	14,0	14,6	15,0	16,2	17,6	18,0	18,6	19,0	20,2
<b>8H</b>	<b>4H</b>	13,6	14,0	14,5	15,0	16,2	17,2	17,7	18,2	18,6	19,9
<b>8H</b>	<b>6H</b>	13,7	14,1	14,7	15,1	16,3	17,4	17,8	18,4	18,8	20,0
<b>8H</b>	<b>8H</b>	13,8	14,1	14,8	15,1	16,4	17,5	17,9	18,5	18,9	20,1
<b>8H</b>	<b>12H</b>	13,8	14,1	14,8	15,1	16,3	17,6	17,8	18,6	18,9	20,1
<b>12H</b>	<b>4H</b>	13,6	14,0	14,5	14,9	16,2	17,2	17,6	18,2	18,6	19,8
<b>12H</b>	<b>6H</b>	13,8	14,1	14,7	15,1	16,3	17,4	17,8	18,4	18,7	20,0
<b>12H</b>	<b>8H</b>	13,8	14,1	14,8	15,1	16,3	17,5	17,8	18,5	18,8	20,0

UGR values are corrected for lamp flux of 8528 lm by 7,4

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Luminance [cd/m<sup>2</sup>] REBA 50 D/I EXT L1138+INT ASYM 840 HO / Total 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	4085,98	4181,95	4419,28	5034,18	6630,40	11469,2	20603,4	14790,9	10833,1
50,00	3489,85	3416,12	3649,93	4151,66	5502,20	9144,96	16972,7	11167,1	7935,87
55,00	2835,04	2838,77	3053,84	3432,16	4547,76	7116,04	13838,2	8264,22	5694,42
60,00	2272,02	2262,67	2681,17	2857,68	3650,88	5685,45	11215,6	5936,90	4046,64
65,00	1829,87	1822,42	2176,21	2384,49	2945,27	4400,66	8885,60	4120,08	2671,06
70,00	1385,28	1411,22	1637,13	1840,62	2292,32	3363,76	7000,64	2826,82	1756,05
75,00	1017,30	1066,22	1228,30	1402,86	1725,13	2601,27	5643,50	1916,73	1098,81
80,00	694,68	701,55	867,25	964,43	1264,27	1921,41	4499,36	1130,24	637,93
85,00	385,86	390,47	518,86	550,91	718,18	1120,02	2841,59	401,52	235,27

G/C [cd/	135,00	150,00	165,00	180,00	195,00	210,00	225,00	240,00	255,00
45,00	8693,20	6731,78	5687,45	5143,38	5687,45	6731,78	8693,20	10833,1	14790,9
50,00	6147,96	4186,28	3527,37	3292,07	3527,37	4186,28	6147,96	7935,87	11167,1
55,00	4074,20	2874,61	2503,28	2351,01	2503,28	2874,61	4074,20	5694,42	8264,22
60,00	2754,20	1924,94	1679,38	1572,93	1679,38	1924,94	2754,20	4046,64	5936,90
65,00	1756,14	1312,63	1174,31	1111,66	1174,31	1312,63	1756,14	2671,06	4120,08
70,00	1232,56	1014,46	860,97	799,69	860,97	1014,46	1232,56	1756,05	2826,82
75,00	794,39	671,28	552,85	524,65	552,85	671,28	794,39	1098,81	1916,73
80,00	482,22	411,58	344,03	321,12	344,03	411,58	482,22	637,93	1130,24
85,00	211,18	198,39	181,29	155,70	181,29	198,39	211,18	235,27	401,52

G/C [cd/	270,00	285,00	300,00	315,00	330,00	345,00
45,00	20603,4	11469,2	6630,40	5034,18	4419,28	4181,95
50,00	16972,7	9144,96	5502,20	4151,66	3649,93	3416,12
55,00	13838,2	7116,04	4547,76	3432,16	3053,84	2838,77
60,00	11215,6	5685,45	3650,88	2857,68	2681,17	2262,67
65,00	8885,60	4400,66	2945,27	2384,49	2176,21	1822,42
70,00	7000,64	3363,76	2292,32	1840,62	1637,13	1411,22
75,00	5643,50	2601,27	1725,13	1402,86	1228,30	1066,22
80,00	4499,36	1921,41	1264,27	964,43	867,25	701,55
85,00	2841,59	1120,02	718,18	550,91	518,86	390,47

## HEADQUARTERS

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