

## PHOTOMETRIC RESULTS

<b>Name:</b>	<b>REBA 50 D/I EXT L1138+INT SYM BGLARE 840 HO</b>		
<b>Number:</b>	90523+90528L004	<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>	50,77 W
<b>Lamp flux:</b>	8260,00 lm	<b>Operator:</b>	INDEL AGUE GROUP
<b>Date:</b>	13-02-2020 11:39:11	<b>Output ratio:</b>	57,9 %

## Protocol

**LiTG-class:** B53  
**UTE-class:** 0,35 C + 0,23 T  
**IES-class:** 63 - 89 - 98 - 60 - 58  
**TM5-class:** BZ2/2.50/BZ3

## Divergences in the plane through maximum intensity:

	Horizontal	Vertical
One half peak divergence	80,7°	79,6°
Half peak side angle (left)	-40,4°	-39,8°
Half peak side angle (right)	40,4°	39,8°
One tenth peak divergence	132,8°	136,1°
Tenth peak side angle (left)	-66,4°	-68,0°
Tenth peak side angle (right)	66,4°	68,0°

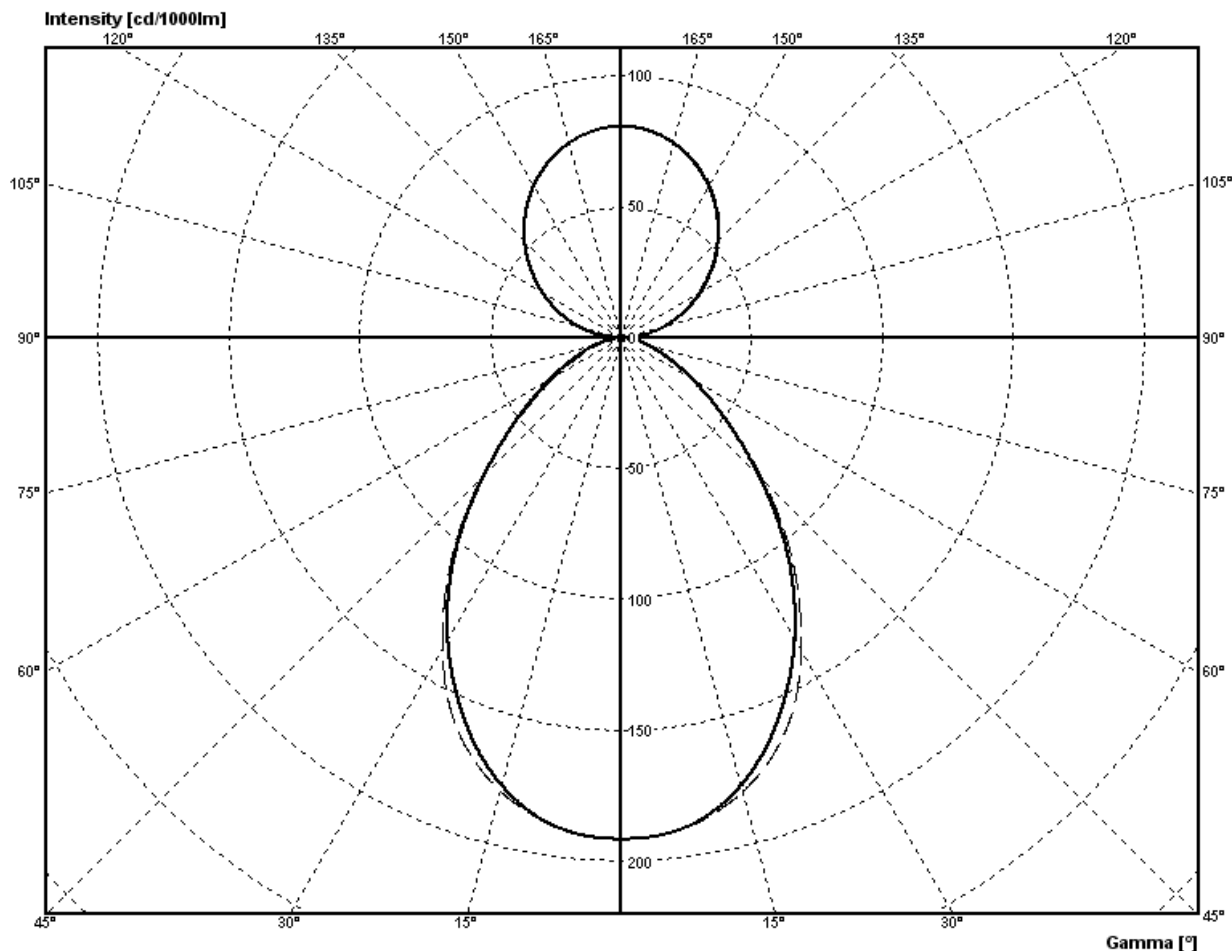
<b>C-planes:</b>	0,0°	15,0°	30,0°	45,0°	60,0°	75,0°	90,0°	105,0°	120,0°	135,0°
	150,0°	165,0°	180,0°	195,0°	210,0°	225,0°	240,0°	255,0°	270,0°	285,0°
	300,0°	315,0°	330,0°	345,0°						

<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°	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 SYM BGLARE 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>		<b>Viewed crosswise</b>					<b>Viewed endwise</b>				
<b>2H</b>	<b>2H</b>	13,5	14,4	14,4	15,3	16,4	15,4	16,3	16,3	17,2	18,3
<b>2H</b>	<b>3H</b>	13,9	14,7	14,7	15,6	16,7	16,0	16,8	16,9	17,7	18,8
<b>2H</b>	<b>4H</b>	14,0	14,7	14,9	15,6	16,8	16,2	16,9	17,1	17,8	19,0
<b>2H</b>	<b>6H</b>	14,0	14,7	14,9	15,6	16,8	16,3	17,0	17,3	17,9	19,1
<b>2H</b>	<b>8H</b>	14,0	14,6	14,9	15,6	16,7	16,3	17,0	17,3	17,9	19,1
<b>2H</b>	<b>12H</b>	13,9	14,6	14,9	15,5	16,7	16,3	17,0	17,3	17,9	19,1
<b>4H</b>	<b>2H</b>	13,7	14,5	14,6	15,4	16,5	15,4	16,2	16,3	17,1	18,2
<b>4H</b>	<b>3H</b>	14,2	14,8	15,1	15,8	16,9	16,1	16,7	17,0	17,6	18,8
<b>4H</b>	<b>4H</b>	14,4	15,0	15,4	15,9	17,1	16,4	16,9	17,3	17,9	19,1
<b>4H</b>	<b>6H</b>	14,5	15,0	15,4	15,9	17,1	16,5	17,0	17,5	18,0	19,2
<b>4H</b>	<b>8H</b>	14,5	15,0	15,5	15,9	17,1	16,6	17,1	17,6	18,0	19,2
<b>4H</b>	<b>12H</b>	14,5	14,9	15,5	15,9	17,1	16,6	17,1	17,6	18,0	19,2
<b>8H</b>	<b>4H</b>	14,4	14,9	15,4	15,8	17,1	16,3	16,8	17,2	17,7	18,9
<b>8H</b>	<b>6H</b>	14,5	14,9	15,5	15,9	17,1	16,5	16,9	17,5	17,8	19,1
<b>8H</b>	<b>8H</b>	14,6	15,0	15,6	15,9	17,2	16,6	17,0	17,6	17,9	19,2
<b>8H</b>	<b>12H</b>	14,6	14,9	15,6	15,9	17,1	16,7	16,9	17,6	17,9	19,2
<b>12H</b>	<b>4H</b>	14,4	14,8	15,4	15,8	17,0	16,3	16,7	17,2	17,6	18,9
<b>12H</b>	<b>6H</b>	14,6	14,9	15,6	15,9	17,1	16,5	16,8	17,5	17,8	19,1
<b>12H</b>	<b>8H</b>	14,6	14,9	15,6	15,9	17,1	16,6	16,9	17,6	17,9	19,1

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

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Luminance [cd/m<sup>2</sup>] REBA 50 D/I EXT L1138+INT SYM BGLARE 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	5841,78	5991,14	6561,56	7507,80	8845,39	11166,4	16012,4	11166,4	8845,39
50,00	4386,24	4447,14	4856,43	5628,09	6731,19	8556,05	13002,4	8556,05	6731,19
55,00	3246,78	3275,56	3609,48	4154,83	4995,65	6442,40	10414,6	6442,40	4995,65
60,00	2375,01	2361,96	2659,07	3027,51	3658,91	4857,65	8384,96	4857,65	3658,91
65,00	1726,82	1719,06	1939,90	2177,37	2667,08	3604,25	6784,86	3604,25	2667,08
70,00	1246,75	1275,33	1410,89	1590,88	1906,10	2710,74	5545,60	2710,74	1906,10
75,00	870,15	898,43	992,23	1116,45	1361,35	2035,66	4729,81	2035,66	1361,35
80,00	557,05	569,41	651,59	717,89	890,29	1364,46	3905,70	1364,46	890,29
85,00	280,93	294,37	349,69	367,08	439,01	668,62	2562,91	668,62	439,01

G/C [cd/	135,00	150,00	165,00	180,00	195,00	210,00	225,00	240,00	255,00
45,00	7507,80	6561,56	5991,14	5841,78	5991,14	6561,56	7507,80	8845,39	11166,4
50,00	5628,09	4856,43	4447,14	4386,24	4447,14	4856,43	5628,09	6731,19	8556,05
55,00	4154,83	3609,48	3275,56	3246,78	3275,56	3609,48	4154,83	4995,65	6442,40
60,00	3027,51	2659,07	2361,96	2375,01	2361,96	2659,07	3027,51	3658,91	4857,65
65,00	2177,37	1939,90	1719,06	1726,82	1719,06	1939,90	2177,37	2667,08	3604,25
70,00	1590,88	1410,89	1275,33	1246,75	1275,33	1410,89	1590,88	1906,10	2710,74
75,00	1116,45	992,23	898,43	870,15	898,43	992,23	1116,45	1361,35	2035,66
80,00	717,89	651,59	569,41	557,05	569,41	651,59	717,89	890,29	1364,46
85,00	367,08	349,69	294,37	280,93	294,37	349,69	367,08	439,01	668,62

G/C [cd/	270,00	285,00	300,00	315,00	330,00	345,00
45,00	16012,4	11166,4	8845,39	7507,80	6561,56	5991,14
50,00	13002,4	8556,05	6731,19	5628,09	4856,43	4447,14
55,00	10414,6	6442,40	4995,65	4154,83	3609,48	3275,56
60,00	8384,96	4857,65	3658,91	3027,51	2659,07	2361,96
65,00	6784,86	3604,25	2667,08	2177,37	1939,90	1719,06
70,00	5545,60	2710,74	1906,10	1590,88	1410,89	1275,33
75,00	4729,81	2035,66	1361,35	1116,45	992,23	898,43
80,00	3905,70	1364,46	890,29	717,89	651,59	569,41
85,00	2562,91	668,62	439,01	367,08	349,69	294,37

## HEADQUARTERS

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