

## PHOTOMETRIC RESULTS

<b>Name:</b>	<b>REBA 50 /T EXT L2000+INT SYM BGLARE 840 HO</b>		
<b>Number:</b>	90519+90498L007	<b>Diameter:</b>	0 mm
<b>Report:</b>	24-01-2020	<b>Length:</b>	2000 mm
<b>Meas.-no.:</b>	01	<b>Width:</b>	70 mm
<b>Lamp type:</b>	LED 840 - 01	<b>Height:</b>	114 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>	24-01-2020 12:15:48	<b>Output ratio:</b>	62,0 %

## Protocol

**LiTG-class:** A50  
**UTE-class:** 0,62 C  
**IES-class:** 63 - 88 - 97 - 100 - 62  
**TM5-class:** BZ2/1.25/BZ3/2.00/BZ2/2.50/BZ3

<b>Divergences in the plane through maximum intensity:</b>	Horizontal	Vertical
<b>One half peak divergence</b>	81,1°	80,4°
<b>Half peak side angle (left)</b>	-40,6°	-40,2°
<b>Half peak side angle (right)</b>	40,6°	40,2°
<b>One tenth peak divergence</b>	133,4°	138,5°
<b>Tenth peak side angle (left)</b>	-66,7°	-69,2°
<b>Tenth peak side angle (right)</b>	66,7°	69,2°

<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 /T EXT L2000+INT SYM BGLARE 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>		<b>Viewed crosswise</b>					<b>Viewed endwise</b>				
<b>2H</b>	<b>2H</b>	16,0	17,5	16,4	17,8	18,1	18,2	19,6	18,5	19,9	20,3
<b>2H</b>	<b>3H</b>	16,5	17,8	16,8	18,1	18,4	18,8	20,1	19,2	20,4	20,8
<b>2H</b>	<b>4H</b>	16,6	17,8	17,0	18,2	18,6	19,0	20,2	19,4	20,6	20,9
<b>2H</b>	<b>6H</b>	16,7	17,8	17,1	18,2	18,6	19,2	20,3	19,6	20,7	21,1
<b>2H</b>	<b>8H</b>	16,7	17,8	17,1	18,2	18,6	19,2	20,3	19,6	20,7	21,1
<b>2H</b>	<b>12H</b>	16,7	17,7	17,1	18,1	18,5	19,2	20,3	19,7	20,7	21,1
<b>4H</b>	<b>2H</b>	16,3	17,5	16,7	17,9	18,3	18,2	19,5	18,6	19,8	20,2
<b>4H</b>	<b>3H</b>	16,9	17,9	17,3	18,3	18,7	18,9	19,9	19,3	20,3	20,7
<b>4H</b>	<b>4H</b>	17,2	18,1	17,6	18,5	18,9	19,3	20,2	19,7	20,6	21,0
<b>4H</b>	<b>6H</b>	17,3	18,1	17,7	18,5	19,0	19,5	20,3	19,9	20,7	21,1
<b>4H</b>	<b>8H</b>	17,3	18,1	17,8	18,5	19,0	19,5	20,3	20,0	20,7	21,2
<b>4H</b>	<b>12H</b>	17,3	18,0	17,8	18,5	19,0	19,6	20,3	20,1	20,7	21,2
<b>8H</b>	<b>4H</b>	17,2	18,0	17,7	18,4	18,9	19,2	20,0	19,7	20,4	20,9
<b>8H</b>	<b>6H</b>	17,4	18,0	17,9	18,5	19,0	19,4	20,1	19,9	20,5	21,0
<b>8H</b>	<b>8H</b>	17,5	18,0	18,0	18,6	19,0	19,6	20,1	20,1	20,6	21,1
<b>8H</b>	<b>12H</b>	17,5	18,0	18,1	18,5	19,0	19,7	20,1	20,2	20,6	21,1
<b>12H</b>	<b>4H</b>	17,2	17,9	17,7	18,3	18,8	19,2	19,9	19,7	20,3	20,8
<b>12H</b>	<b>6H</b>	17,4	18,0	18,0	18,5	19,0	19,5	20,0	20,0	20,5	21,0
<b>12H</b>	<b>8H</b>	17,5	18,0	18,0	18,5	19,0	19,6	20,0	20,1	20,5	21,1

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 /T EXT L2000+INT SYM BGLARE 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	4970,82	5098,90	5628,22	6527,55	7866,80	10390,2	16543,0	10390,2	7866,80
50,00	3702,73	3782,91	4152,05	4856,83	5931,04	7906,63	13402,2	7906,63	5931,04
55,00	2724,59	2769,80	3081,85	3543,93	4342,24	5886,66	10742,7	5886,66	4342,24
60,00	2004,88	2019,64	2278,27	2554,20	3171,65	4390,27	8763,81	4390,27	3171,65
65,00	1470,38	1477,07	1642,86	1853,67	2305,58	3237,67	7182,11	3237,67	2305,58
70,00	1084,41	1108,52	1213,55	1352,63	1682,35	2399,61	5928,69	2399,61	1682,35
75,00	794,99	817,83	880,66	976,76	1204,98	1786,25	5048,40	1786,25	1204,98
80,00	533,52	535,81	589,16	638,02	802,48	1237,46	4196,06	1237,46	802,48
85,00	281,98	285,67	319,67	336,49	423,46	648,86	3040,65	648,86	423,46

G/C [cd/	135,00	150,00	165,00	180,00	195,00	210,00	225,00	240,00	255,00
45,00	6527,55	5628,22	5098,90	4970,82	5098,90	5628,22	6527,55	7866,80	10390,2
50,00	4856,83	4152,05	3782,91	3702,73	3782,91	4152,05	4856,83	5931,04	7906,63
55,00	3543,93	3081,85	2769,80	2724,59	2769,80	3081,85	3543,93	4342,24	5886,66
60,00	2554,20	2278,27	2019,64	2004,88	2019,64	2278,27	2554,20	3171,65	4390,27
65,00	1853,67	1642,86	1477,07	1470,38	1477,07	1642,86	1853,67	2305,58	3237,67
70,00	1352,63	1213,55	1108,52	1084,41	1108,52	1213,55	1352,63	1682,35	2399,61
75,00	976,76	880,66	817,83	794,99	817,83	880,66	976,76	1204,98	1786,25
80,00	638,02	589,16	535,81	533,52	535,81	589,16	638,02	802,48	1237,46
85,00	336,49	319,67	285,67	281,98	285,67	319,67	336,49	423,46	648,86

G/C [cd/	270,00	285,00	300,00	315,00	330,00	345,00
45,00	16543,0	10390,2	7866,80	6527,55	5628,22	5098,90
50,00	13402,2	7906,63	5931,04	4856,83	4152,05	3782,91
55,00	10742,7	5886,66	4342,24	3543,93	3081,85	2769,80
60,00	8763,81	4390,27	3171,65	2554,20	2278,27	2019,64
65,00	7182,11	3237,67	2305,58	1853,67	1642,86	1477,07
70,00	5928,69	2399,61	1682,35	1352,63	1213,55	1108,52
75,00	5048,40	1786,25	1204,98	976,76	880,66	817,83
80,00	4196,06	1237,46	802,48	638,02	589,16	535,81
85,00	3040,65	648,86	423,46	336,49	319,67	285,67

## HEADQUARTERS

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