

## PHOTOMETRIC RESULTS

<b>Name:</b>	<b>REBA 50 /T EXT LINE L1420 SRT/END+INT ASYM K3 840 HO</b>		
<b>Number:</b>	90507-83+90500L005	<b>Diameter:</b>	0 mm
<b>Report:</b>	23-01-2020	<b>Length:</b>	1420 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>	39,92 W
<b>Lamp flux:</b>	6235,00 lm	<b>Operator:</b>	INDEL AGUE GROUP
<b>Date:</b>	23-01-2020 14:02:45	<b>Output ratio:</b>	58,6 %

## 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	95,0°	53,2°
Half peak side angle (left)	-47,5°	-38,9°
Half peak side angle (right)	47,5°	14,2°
One tenth peak divergence	144,1°	133,2°
Tenth peak side angle (left)	-72,1°	-63,3°
Tenth peak side angle (right)	72,1°	70,0°

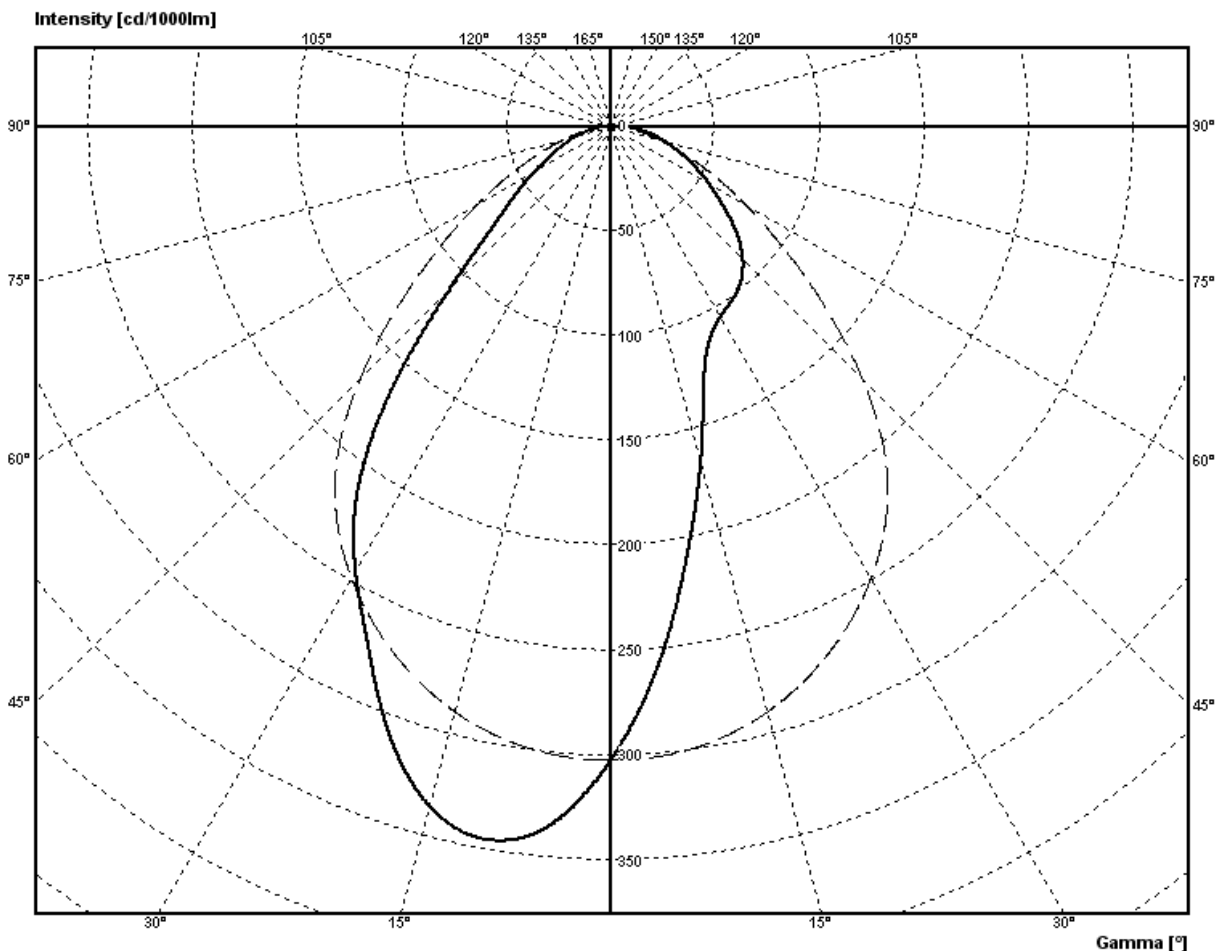
<b>C-planes:</b>	0,0°	15,0°	30,0°	45,0°	60,0°	75,0°	90,0°	105,0°	120,0°	135,0°
	150,0°	165,0°	180,0°	195,0°	210,0°	225,0°	240,0°	255,0°	270,0°	285,0°
	300,0°	315,0°	330,0°	345,0°						

<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 /T EXT LINE L1420 SRT/END+INT ASYM K3 840 HO / Direct beam  
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>	15,4	16,9	15,8	17,2	17,5	19,7	21,2	20,0	21,5	21,8
<b>2H</b>	<b>3H</b>	15,9	17,3	16,3	17,6	17,9	20,4	21,8	20,8	22,1	22,4
<b>2H</b>	<b>4H</b>	16,1	17,4	16,5	17,7	18,1	20,7	21,9	21,1	22,3	22,7
<b>2H</b>	<b>6H</b>	16,3	17,4	16,7	17,8	18,2	20,9	22,0	21,3	22,4	22,8
<b>2H</b>	<b>8H</b>	16,3	17,4	16,7	17,8	18,2	20,9	22,0	21,3	22,4	22,8
<b>2H</b>	<b>12H</b>	16,2	17,3	16,7	17,7	18,1	20,9	22,0	21,3	22,4	22,8
<b>4H</b>	<b>2H</b>	15,9	17,2	16,3	17,6	17,9	19,7	20,9	20,1	21,3	21,6
<b>4H</b>	<b>3H</b>	16,6	17,6	17,0	18,0	18,4	20,5	21,6	20,9	21,9	22,3
<b>4H</b>	<b>4H</b>	16,9	17,8	17,3	18,2	18,7	20,9	21,8	21,3	22,2	22,6
<b>4H</b>	<b>6H</b>	17,0	17,9	17,5	18,3	18,8	21,1	21,9	21,5	22,4	22,8
<b>4H</b>	<b>8H</b>	17,1	17,9	17,6	18,3	18,8	21,1	21,9	21,6	22,4	22,8
<b>4H</b>	<b>12H</b>	17,1	17,8	17,6	18,3	18,8	21,2	21,9	21,7	22,4	22,9
<b>8H</b>	<b>4H</b>	17,0	17,8	17,5	18,2	18,7	20,8	21,6	21,3	22,0	22,5
<b>8H</b>	<b>6H</b>	17,2	17,9	17,7	18,4	18,9	21,0	21,7	21,5	22,2	22,7
<b>8H</b>	<b>8H</b>	17,4	18,0	17,9	18,5	19,0	21,2	21,8	21,7	22,3	22,8
<b>8H</b>	<b>12H</b>	17,4	17,9	18,0	18,4	18,9	21,3	21,7	21,8	22,2	22,8
<b>12H</b>	<b>4H</b>	17,0	17,7	17,5	18,2	18,7	20,8	21,5	21,3	21,9	22,4
<b>12H</b>	<b>6H</b>	17,3	17,9	17,8	18,4	18,9	21,1	21,6	21,6	22,1	22,6
<b>12H</b>	<b>8H</b>	17,4	17,9	17,9	18,4	18,9	21,2	21,7	21,7	22,2	22,7

UGR values are corrected for lamp flux of 6235 lm by 6,4

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Luminance [cd/m<sup>2</sup>] REBA 50 /T EXT LINE L1420 SRT/END+INT ASYM K3 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	3508,41	3609,59	3837,60	4428,48	5819,63	10019,6	21415,0	15396,9	11434,6
50,00	2983,72	2969,40	3174,65	3671,12	4882,91	8005,33	18203,5	12164,3	8785,11
55,00	2428,20	2394,58	2655,47	3016,47	4039,02	6351,09	15094,9	9273,76	6447,29
60,00	1973,45	1921,07	2205,91	2465,30	3296,22	5025,34	12449,0	6878,37	4620,26
65,00	1592,69	1533,86	1771,04	1964,98	2618,21	3867,57	10163,6	4925,23	3146,08
70,00	1247,54	1209,21	1376,31	1526,45	1995,30	2943,73	8169,68	3426,95	2103,35
75,00	954,15	908,92	1029,71	1149,68	1479,40	2211,35	6539,53	2353,63	1419,93
80,00	690,37	619,80	712,43	797,06	1014,11	1525,41	5117,46	1525,41	928,95
85,00	417,82	321,80	378,43	419,92	529,06	808,81	3279,91	787,71	492,43

G/C [cd/	135,00	150,00	165,00	180,00	195,00	210,00	225,00	240,00	255,00
45,00	8708,57	6939,43	5854,99	4255,25	5854,99	6939,43	8708,57	11434,6	15396,9
50,00	6358,80	4644,39	3759,11	2777,80	3759,11	4644,39	6358,80	8785,11	12164,3
55,00	4348,24	3078,04	2564,03	2034,44	2564,03	3078,04	4348,24	6447,29	9273,76
60,00	2895,84	2186,94	1879,35	1509,35	1879,35	2186,94	2895,84	4620,26	6878,37
65,00	1970,47	1572,68	1385,70	1116,48	1385,70	1572,68	1970,47	3146,08	4925,23
70,00	1396,01	1156,00	1030,55	831,69	1030,55	1156,00	1396,01	2103,35	3426,95
75,00	1002,79	850,11	759,63	611,94	759,63	850,11	1002,79	1419,93	2353,63
80,00	684,02	585,56	521,70	379,91	521,70	585,56	684,02	928,95	1525,41
85,00	374,93	333,32	296,69	192,20	296,69	333,32	374,93	492,43	787,71

G/C [cd/	270,00	285,00	300,00	315,00	330,00	345,00
45,00	21415,0	10019,6	5819,63	4428,48	3837,60	3609,59
50,00	18203,5	8005,33	4882,91	3671,12	3174,65	2969,40
55,00	15094,9	6351,09	4039,02	3016,47	2655,47	2394,58
60,00	12449,0	5025,34	3296,22	2465,30	2205,91	1921,07
65,00	10163,6	3867,57	2618,21	1964,98	1771,04	1533,86
70,00	8169,68	2943,73	1995,30	1526,45	1376,31	1209,21
75,00	6539,53	2211,35	1479,40	1149,68	1029,71	908,92
80,00	5117,46	1525,41	1014,11	797,06	712,43	619,80
85,00	3279,91	808,81	529,06	419,92	378,43	321,80

## HEADQUARTERS

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