

## PHOTOMETRIC RESULTS

<b>Name:</b>	<b>REBA 50 /T EXT LINE L2804 MID+INT ASYM 840 HO</b>		
<b>Number:</b>	90507+90500L010	<b>Diameter:</b>	0 mm
<b>Report:</b>	23-01-2020	<b>Length:</b>	2804 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>	79,85 W
<b>Lamp flux:</b>	12470,00 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°

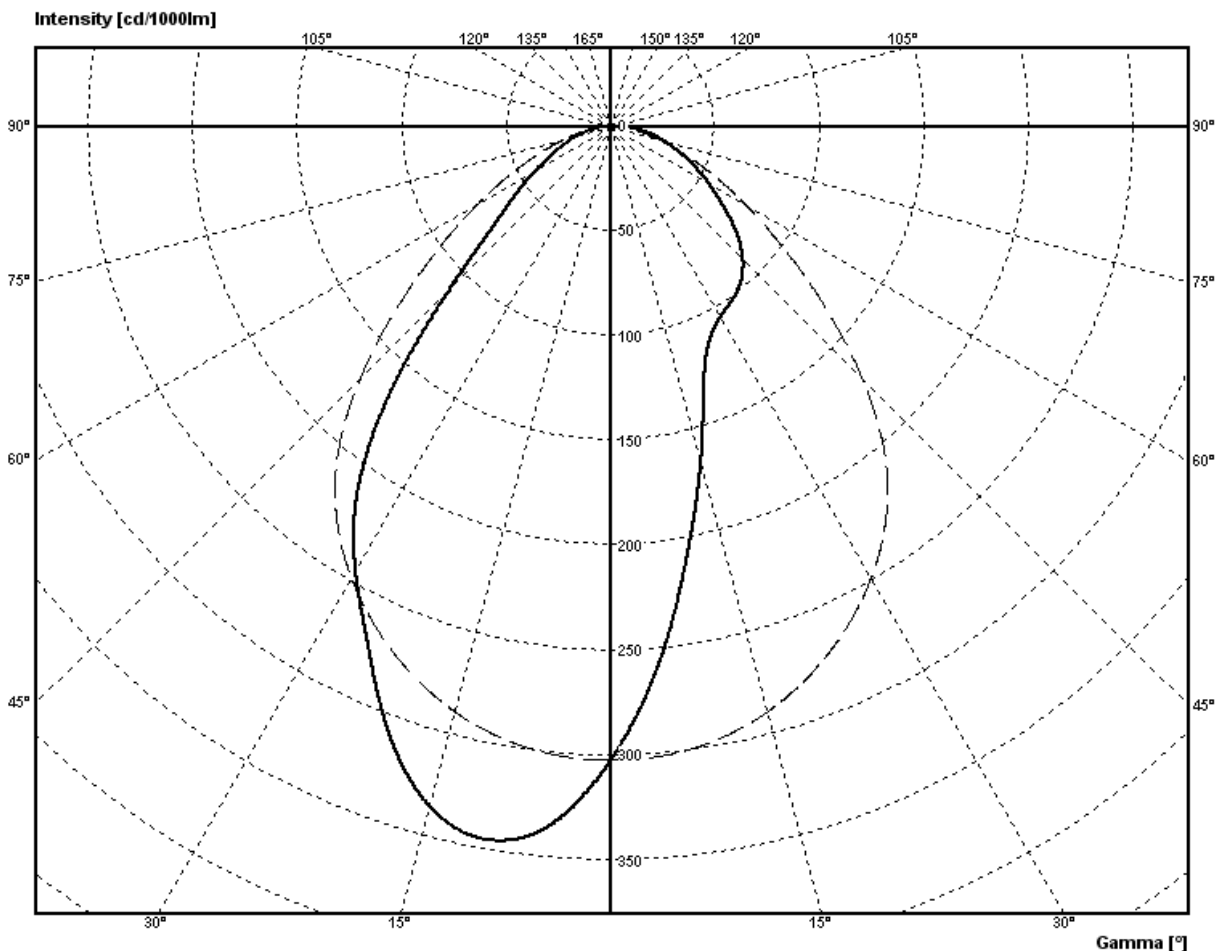
<b>C-planes:</b>	0,0°	15,0°	30,0°	45,0°	60,0°	75,0°	90,0°	105,0°	120,0°	135,0°
	150,0°	165,0°	180,0°	195,0°	210,0°	225,0°	240,0°	255,0°	270,0°	285,0°
	300,0°	315,0°	330,0°	345,0°						

<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 L2804 MID+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>		<b>Viewed crosswise</b>					<b>Viewed endwise</b>				
<b>2H</b>	<b>2H</b>	15,4	16,9	15,8	17,2	17,6	19,8	21,3	20,1	21,6	21,9
<b>2H</b>	<b>3H</b>	15,9	17,3	16,3	17,6	18,0	20,5	21,9	20,9	22,2	22,5
<b>2H</b>	<b>4H</b>	16,1	17,4	16,5	17,7	18,1	20,8	22,1	21,2	22,4	22,8
<b>2H</b>	<b>6H</b>	16,3	17,4	16,7	17,8	18,2	21,0	22,2	21,4	22,6	23,0
<b>2H</b>	<b>8H</b>	16,3	17,4	16,7	17,8	18,2	21,1	22,2	21,5	22,6	23,0
<b>2H</b>	<b>12H</b>	16,3	17,3	16,7	17,7	18,1	21,1	22,1	21,5	22,5	22,9
<b>4H</b>	<b>2H</b>	16,0	17,2	16,4	17,6	17,9	19,8	21,0	20,2	21,4	21,7
<b>4H</b>	<b>3H</b>	16,6	17,7	17,0	18,0	18,5	20,6	21,7	21,0	22,1	22,5
<b>4H</b>	<b>4H</b>	16,9	17,8	17,3	18,3	18,7	21,0	21,9	21,4	22,3	22,8
<b>4H</b>	<b>6H</b>	17,1	17,9	17,5	18,3	18,8	21,2	22,0	21,7	22,5	22,9
<b>4H</b>	<b>8H</b>	17,1	17,9	17,6	18,3	18,8	21,3	22,1	21,8	22,5	23,0
<b>4H</b>	<b>12H</b>	17,2	17,9	17,6	18,3	18,8	21,4	22,1	21,8	22,5	23,0
<b>8H</b>	<b>4H</b>	17,0	17,8	17,5	18,3	18,7	20,9	21,7	21,4	22,1	22,6
<b>8H</b>	<b>6H</b>	17,3	17,9	17,8	18,4	18,9	21,2	21,8	21,7	22,3	22,8
<b>8H</b>	<b>8H</b>	17,4	18,0	17,9	18,5	19,0	21,3	21,9	21,9	22,4	22,9
<b>8H</b>	<b>12H</b>	17,5	17,9	18,0	18,4	19,0	21,4	21,9	21,9	22,4	22,9
<b>12H</b>	<b>4H</b>	17,1	17,8	17,5	18,2	18,7	20,9	21,6	21,4	22,1	22,6
<b>12H</b>	<b>6H</b>	17,3	17,9	17,9	18,4	18,9	21,2	21,8	21,7	22,3	22,8
<b>12H</b>	<b>8H</b>	17,4	17,9	18,0	18,4	18,9	21,3	21,8	21,8	22,3	22,8

UGR values are corrected for lamp flux of 12470 lm by 8,8

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Luminance [cd/m<sup>2</sup>] REBA 50 /T EXT LINE L2804 MID+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	3508,41	3620,75	3862,24	4474,25	5909,72	10253,7	22251,6	15756,6	11611,6
50,00	2983,72	2979,03	3196,12	3711,39	4964,26	8212,19	19044,8	12478,6	8931,46
55,00	2428,20	2402,70	2674,30	3051,42	4111,04	6531,71	15923,2	9537,50	6562,26
60,00	1973,45	1927,85	2222,26	2495,35	3358,90	5182,21	13267,9	7093,08	4708,11
65,00	1592,69	1539,48	1784,71	1990,11	2671,17	3999,99	10978,7	5093,86	3209,72
70,00	1247,54	1213,81	1387,36	1546,91	2038,18	3054,39	8990,56	3555,77	2148,56
75,00	954,15	912,50	1038,31	1165,81	1513,18	2302,89	7401,06	2451,07	1452,34
80,00	690,37	622,33	718,61	808,77	1038,72	1595,31	6076,32	1595,31	951,50
85,00	417,82	323,16	381,84	426,38	542,74	850,16	4320,51	827,98	505,17

G/C [cd/	135,00	150,00	165,00	180,00	195,00	210,00	225,00	240,00	255,00
45,00	8798,59	6983,98	5873,08	4255,25	5873,08	6983,98	8798,59	11611,6	15756,6
50,00	6428,56	4675,80	3771,31	2777,80	3771,31	4675,80	6428,56	8931,46	12478,6
55,00	4398,62	3099,86	2572,72	2034,44	2572,72	3099,86	4398,62	6562,26	9537,50
60,00	2931,13	2203,14	1885,99	1509,35	1885,99	2203,14	2931,13	4708,11	7093,08
65,00	1995,68	1584,82	1390,78	1116,48	1390,78	1584,82	1995,68	3209,72	5093,86
70,00	1414,72	1165,29	1034,47	831,69	1034,47	1165,29	1414,72	2148,56	3555,77
75,00	1016,86	857,20	762,62	611,94	762,62	857,20	1016,86	1452,34	2451,07
80,00	694,07	590,64	523,83	379,91	523,83	590,64	694,07	951,50	1595,31
85,00	380,70	336,32	297,95	192,20	297,95	336,32	380,70	505,17	827,98

G/C [cd/	270,00	285,00	300,00	315,00	330,00	345,00
45,00	22251,6	10253,7	5909,72	4474,25	3862,24	3620,75
50,00	19044,8	8212,19	4964,26	3711,39	3196,12	2979,03
55,00	15923,2	6531,71	4111,04	3051,42	2674,30	2402,70
60,00	13267,9	5182,21	3358,90	2495,35	2222,26	1927,85
65,00	10978,7	3999,99	2671,17	1990,11	1784,71	1539,48
70,00	8990,56	3054,39	2038,18	1546,91	1387,36	1213,81
75,00	7401,06	2302,89	1513,18	1165,81	1038,31	912,50
80,00	6076,32	1595,31	1038,72	808,77	718,61	622,33
85,00	4320,51	850,16	542,74	426,38	381,84	323,16

## HEADQUARTERS

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