

## PHOTOMETRIC RESULTS

<b>Name:</b>	<b>REBA 50 /T EXT LINE L1122 MID+INT SYM BGLARE K3 830 HO</b>		
<b>Number:</b>	90507+90498L004	<b>Diameter:</b>	0 mm
<b>Report:</b>	24-01-2020	<b>Length:</b>	1122 mm
<b>Meas.-no.:</b>	01	<b>Width:</b>	70 mm
<b>Lamp type:</b>	LED 830 - 01	<b>Height:</b>	114 mm
<b>Number:</b>	01	<b>Power:</b>	28,70 W
<b>Lamp flux:</b>	4320,00 lm	<b>Operator:</b>	INDEL AGUE GROUP
<b>Date:</b>	24-01-2020 14:42:44	<b>Output ratio:</b>	62,2 %

## Protocol

**LiTG-class:** A50  
**UTE-class:** 0,62 C  
**IES-class:** 63 - 88 - 97 - 100 - 62  
**TM5-class:** BZ2/1.50/BZ3/2.00/BZ2/2.50/BZ3

<b>Divergences in the plane through maximum intensity:</b>	Horizontal	Vertical
<b>One half peak divergence</b>	80,9°	80,3°
<b>Half peak side angle (left)</b>	-40,5°	-40,1°
<b>Half peak side angle (right)</b>	40,5°	40,1°
<b>One tenth peak divergence</b>	133,0°	138,4°
<b>Tenth peak side angle (left)</b>	-66,5°	-69,2°
<b>Tenth peak side angle (right)</b>	66,5°	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 LINE L1122 MID+INT SYM BGLARE K3 830 HO / Direct  
in 15° C / 5° G



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<b>Lamp flux:</b>	4320,00 lm	<b>Operator:</b>	INDEL AGUE GROUP
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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>	15,7	17,2	16,1	17,5	17,8	17,8	19,2	18,1	19,5	19,8
<b>2H</b>	<b>3H</b>	16,1	17,4	16,5	17,8	18,1	18,3	19,6	18,7	20,0	20,3
<b>2H</b>	<b>4H</b>	16,3	17,5	16,7	17,9	18,2	18,6	19,8	19,0	20,1	20,5
<b>2H</b>	<b>6H</b>	16,4	17,5	16,8	17,9	18,3	18,7	19,9	19,2	20,2	20,6
<b>2H</b>	<b>8H</b>	16,4	17,5	16,8	17,9	18,3	18,8	19,8	19,2	20,2	20,6
<b>2H</b>	<b>12H</b>	16,4	17,4	16,8	17,8	18,2	18,8	19,8	19,2	20,2	20,6
<b>4H</b>	<b>2H</b>	16,0	17,2	16,4	17,6	17,9	17,8	19,1	18,2	19,4	19,8
<b>4H</b>	<b>3H</b>	16,6	17,6	17,0	18,0	18,4	18,5	19,5	18,9	19,9	20,3
<b>4H</b>	<b>4H</b>	16,8	17,7	17,3	18,2	18,6	18,8	19,7	19,2	20,1	20,6
<b>4H</b>	<b>6H</b>	17,0	17,8	17,4	18,2	18,7	19,0	19,8	19,5	20,2	20,7
<b>4H</b>	<b>8H</b>	17,0	17,7	17,5	18,2	18,7	19,1	19,8	19,5	20,3	20,7
<b>4H</b>	<b>12H</b>	17,0	17,7	17,5	18,2	18,7	19,1	19,8	19,6	20,2	20,8
<b>8H</b>	<b>4H</b>	16,9	17,6	17,3	18,1	18,5	18,8	19,5	19,2	20,0	20,4
<b>8H</b>	<b>6H</b>	17,1	17,7	17,5	18,2	18,7	19,0	19,6	19,5	20,1	20,6
<b>8H</b>	<b>8H</b>	17,2	17,7	17,7	18,2	18,7	19,1	19,7	19,6	20,2	20,7
<b>8H</b>	<b>12H</b>	17,2	17,7	17,7	18,2	18,7	19,2	19,6	19,7	20,1	20,7
<b>12H</b>	<b>4H</b>	16,9	17,6	17,4	18,0	18,5	18,8	19,4	19,2	19,9	20,4
<b>12H</b>	<b>6H</b>	17,1	17,6	17,6	18,2	18,6	19,0	19,6	19,5	20,1	20,6
<b>12H</b>	<b>8H</b>	17,2	17,6	17,7	18,2	18,7	19,1	19,6	19,6	20,1	20,6

UGR values are corrected for lamp flux of 4320 lm by 5,1

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Luminance [cd/m<sup>2</sup>] REBA 50 /T EXT LINE L1122 MID+INT SYM BGLARE K3 830 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	4581,99	4666,78	5139,21	5928,18	7100,91	9282,20	14558,4	9282,20	7100,91
50,00	3404,15	3462,12	3789,47	4405,58	5325,33	7045,10	11682,0	7045,10	5325,33
55,00	2501,54	2534,70	2807,76	3210,34	3906,01	5231,11	9325,18	5231,11	3906,01
60,00	1842,81	1842,92	2067,54	2326,94	2839,90	3855,21	7516,73	3855,21	2839,90
65,00	1346,70	1344,15	1492,34	1672,11	2053,95	2853,12	6040,81	2853,12	2053,95
70,00	997,96	1009,95	1102,86	1220,65	1497,91	2105,51	4890,73	2105,51	1497,91
75,00	727,79	745,22	799,22	876,99	1072,58	1564,30	4046,05	1564,30	1072,58
80,00	490,61	486,65	535,63	572,61	717,03	1073,38	3200,23	1073,38	717,03
85,00	258,74	260,42	290,45	303,20	376,67	559,18	2094,26	559,18	376,67

G/C [cd/	135,00	150,00	165,00	180,00	195,00	210,00	225,00	240,00	255,00
45,00	5928,18	5139,21	4666,78	4581,99	4666,78	5139,21	5928,18	7100,91	9282,20
50,00	4405,58	3789,47	3462,12	3404,15	3462,12	3789,47	4405,58	5325,33	7045,10
55,00	3210,34	2807,76	2534,70	2501,54	2534,70	2807,76	3210,34	3906,01	5231,11
60,00	2326,94	2067,54	1842,92	1842,81	1842,92	2067,54	2326,94	2839,90	3855,21
65,00	1672,11	1492,34	1344,15	1346,70	1344,15	1492,34	1672,11	2053,95	2853,12
70,00	1220,65	1102,86	1009,95	997,96	1009,95	1102,86	1220,65	1497,91	2105,51
75,00	876,99	799,22	745,22	727,79	745,22	799,22	876,99	1072,58	1564,30
80,00	572,61	535,63	486,65	490,61	486,65	535,63	572,61	717,03	1073,38
85,00	303,20	290,45	260,42	258,74	260,42	290,45	303,20	376,67	559,18

G/C [cd/	270,00	285,00	300,00	315,00	330,00	345,00
45,00	14558,4	9282,20	7100,91	5928,18	5139,21	4666,78
50,00	11682,0	7045,10	5325,33	4405,58	3789,47	3462,12
55,00	9325,18	5231,11	3906,01	3210,34	2807,76	2534,70
60,00	7516,73	3855,21	2839,90	2326,94	2067,54	1842,92
65,00	6040,81	2853,12	2053,95	1672,11	1492,34	1344,15
70,00	4890,73	2105,51	1497,91	1220,65	1102,86	1009,95
75,00	4046,05	1564,30	1072,58	876,99	799,22	745,22
80,00	3200,23	1073,38	717,03	572,61	535,63	486,65
85,00	2094,26	559,18	376,67	303,20	290,45	260,42

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