

## PHOTOMETRIC RESULTS

<b>Name:</b>	REBA 50 /T EXT LINE L2524 MID+INT ASYM 830 HO		
<b>Number:</b>	90507+90500L009	<b>Diameter:</b>	0 mm
<b>Report:</b>	23-01-2020	<b>Length:</b>	2524 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>	72,17 W
<b>Lamp flux:</b>	10800,00 lm	<b>Operator:</b>	INDEL AGUE GROUP
<b>Date:</b>	23-01-2020 15:43:22	<b>Output ratio:</b>	56,7 %

## Protocol

**LiTG-class:** A50  
**UTE-class:** 0,57 C  
**IES-class:** 60 - 88 - 97 - 100 - 57  
**TM5-class:** BZ3

<b>Divergences in the plane through maximum intensity:</b>	Horizontal	Vertical
<b>One half peak divergence</b>	93,9°	54,8°
<b>Half peak side angle (left)</b>	-46,9°	-40,0°
<b>Half peak side angle (right)</b>	46,9°	14,8°
<b>One tenth peak divergence</b>	140,7°	130,5°
<b>Tenth peak side angle (left)</b>	-70,3°	-62,5°
<b>Tenth peak side angle (right)</b>	70,3°	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°	

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Polar diagram REBA 50 /T EXT LINE L2524 MID+INT ASYM 830 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>		Viewed crosswise					Viewed endwise				
<b>2H</b>	<b>2H</b>	15,1	16,6	15,5	16,9	17,2	19,3	20,8	19,7	21,1	21,4
<b>2H</b>	<b>3H</b>	15,6	16,9	16,0	17,3	17,6	19,9	21,3	20,3	21,6	22,0
<b>2H</b>	<b>4H</b>	15,8	17,0	16,2	17,4	17,7	20,2	21,4	20,6	21,8	22,2
<b>2H</b>	<b>6H</b>	15,9	17,0	16,3	17,4	17,8	20,4	21,5	20,8	21,9	22,3
<b>2H</b>	<b>8H</b>	15,9	17,0	16,3	17,4	17,8	20,4	21,5	20,8	21,9	22,3
<b>2H</b>	<b>12H</b>	15,9	16,9	16,3	17,3	17,7	20,4	21,5	20,8	21,9	22,3
<b>4H</b>	<b>2H</b>	15,6	16,9	16,0	17,2	17,6	19,3	20,5	19,7	20,9	21,2
<b>4H</b>	<b>3H</b>	16,2	17,3	16,6	17,6	18,1	20,0	21,1	20,4	21,5	21,9
<b>4H</b>	<b>4H</b>	16,5	17,4	16,9	17,8	18,3	20,4	21,3	20,8	21,7	22,1
<b>4H</b>	<b>6H</b>	16,6	17,5	17,1	17,9	18,3	20,6	21,4	21,0	21,8	22,3
<b>4H</b>	<b>8H</b>	16,7	17,4	17,1	17,9	18,3	20,6	21,4	21,1	21,8	22,3
<b>4H</b>	<b>12H</b>	16,7	17,4	17,2	17,8	18,4	20,7	21,4	21,2	21,8	22,3
<b>8H</b>	<b>4H</b>	16,6	17,4	17,1	17,8	18,3	20,3	21,0	20,8	21,5	22,0
<b>8H</b>	<b>6H</b>	16,8	17,4	17,3	17,9	18,4	20,5	21,2	21,0	21,6	22,1
<b>8H</b>	<b>8H</b>	16,9	17,5	17,4	18,0	18,5	20,7	21,2	21,2	21,7	22,2
<b>8H</b>	<b>12H</b>	17,0	17,4	17,5	17,9	18,5	20,7	21,2	21,2	21,7	22,2
<b>12H</b>	<b>4H</b>	16,6	17,3	17,1	17,8	18,3	20,3	21,0	20,7	21,4	21,9
<b>12H</b>	<b>6H</b>	16,9	17,4	17,4	17,9	18,4	20,5	21,1	21,1	21,6	22,1
<b>12H</b>	<b>8H</b>	17,0	17,4	17,5	17,9	18,4	20,6	21,1	21,2	21,6	22,1

UGR values are corrected for lamp flux of 10800 lm by 8,3

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Luminance [cd/m<sup>2</sup>] REBA 50 /T EXT LINE L2524 MID+INT ASYM 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	3272,33	3369,64	3556,85	4112,26	5539,22	9801,76	20548,6	14500,9	10554,8
50,00	2746,89	2706,70	2898,26	3337,24	4496,53	7556,57	16972,9	11207,7	7926,83
55,00	2183,81	2152,43	2427,87	2734,51	3621,16	5850,09	13996,5	8335,91	5711,64
60,00	1724,98	1684,82	2005,30	2232,31	2884,51	4539,43	11400,5	6052,57	4048,90
65,00	1375,38	1338,84	1566,03	1741,31	2272,77	3394,25	9132,85	4288,54	2792,78
70,00	1074,44	1065,73	1183,79	1334,51	1713,17	2560,30	7322,45	2983,43	1878,52
75,00	810,09	787,62	871,38	976,34	1257,61	1935,34	6110,68	2058,21	1281,34
80,00	587,13	517,44	596,14	668,25	855,99	1350,09	5024,55	1358,42	836,20
85,00	328,98	251,99	303,11	342,18	442,81	698,14	3523,41	716,51	442,81

G/C [cd/	135,00	150,00	165,00	180,00	195,00	210,00	225,00	240,00	255,00
45,00	8001,26	6720,95	5779,48	4010,37	5779,48	6720,95	8001,26	10554,8	14500,9
50,00	5990,10	4379,73	3493,53	2568,32	3493,53	4379,73	5990,10	7926,83	11207,7
55,00	4012,94	2874,79	2381,65	1891,61	2381,65	2874,79	4012,94	5711,64	8335,91
60,00	2710,66	2044,09	1739,88	1387,05	1739,88	2044,09	2710,66	4048,90	6052,57
65,00	1838,63	1456,08	1278,73	1010,28	1278,73	1456,08	1838,63	2792,78	4288,54
70,00	1267,79	1058,55	950,96	749,61	950,96	1058,55	1267,79	1878,52	2983,43
75,00	908,39	786,96	699,49	548,45	699,49	786,96	908,39	1281,34	2058,21
80,00	620,52	534,68	455,90	331,86	455,90	534,68	620,52	836,20	1358,42
85,00	342,18	306,26	269,17	187,99	269,17	306,26	342,18	442,81	716,51

G/C [cd/	270,00	285,00	300,00	315,00	330,00	345,00
45,00	20548,6	9801,76	5539,22	4112,26	3556,85	3369,64
50,00	16972,9	7556,57	4496,53	3337,24	2898,26	2706,70
55,00	13996,5	5850,09	3621,16	2734,51	2427,87	2152,43
60,00	11400,5	4539,43	2884,51	2232,31	2005,30	1684,82
65,00	9132,85	3394,25	2272,77	1741,31	1566,03	1338,84
70,00	7322,45	2560,30	1713,17	1334,51	1183,79	1065,73
75,00	6110,68	1935,34	1257,61	976,34	871,38	787,62
80,00	5024,55	1350,09	855,99	668,25	596,14	517,44
85,00	3523,41	698,14	442,81	342,18	303,11	251,99

## HEADQUARTERS

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