

## PHOTOMETRIC RESULTS

<b>Name:</b>	<b>REBA 50 /T EXT LINE L1982 SRT/END+INT SYM BGLARE 830 HO</b>		
<b>Number:</b>	90507-83+90498L007	<b>Diameter:</b>	0 mm
<b>Report:</b>	24-01-2020	<b>Length:</b>	1982 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>	50,77 W
<b>Lamp flux:</b>	7560,00 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

## Divergences in the plane through maximum intensity:

	Horizontal	Vertical
One half peak divergence	80,9°	80,3°
Half peak side angle (left)	-40,5°	-40,1°
Half peak side angle (right)	40,5°	40,1°
One tenth peak divergence	133,0°	138,4°
Tenth peak side angle (left)	-66,5°	-69,2°
Tenth peak side angle (right)	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 L1982 SRT/END+INT SYM BGLARE 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>	15,7	17,2	16,1	17,5	17,8	17,9	19,3	18,2	19,6	19,9
<b>2H</b>	<b>3H</b>	16,2	17,5	16,5	17,8	18,1	18,5	19,8	18,8	20,1	20,4
<b>2H</b>	<b>4H</b>	16,3	17,5	16,7	17,9	18,2	18,7	19,9	19,1	20,3	20,6
<b>2H</b>	<b>6H</b>	16,4	17,5	16,8	17,9	18,3	18,9	20,0	19,3	20,4	20,8
<b>2H</b>	<b>8H</b>	16,4	17,5	16,8	17,9	18,3	18,9	20,0	19,3	20,4	20,8
<b>2H</b>	<b>12H</b>	16,4	17,4	16,8	17,8	18,2	18,9	19,9	19,3	20,3	20,7
<b>4H</b>	<b>2H</b>	16,0	17,2	16,4	17,6	18,0	17,9	19,1	18,3	19,5	19,9
<b>4H</b>	<b>3H</b>	16,6	17,6	17,0	18,0	18,4	18,6	19,6	19,0	20,0	20,4
<b>4H</b>	<b>4H</b>	16,9	17,8	17,3	18,2	18,6	18,9	19,8	19,4	20,2	20,7
<b>4H</b>	<b>6H</b>	17,0	17,8	17,4	18,2	18,7	19,1	19,9	19,6	20,4	20,8
<b>4H</b>	<b>8H</b>	17,0	17,8	17,5	18,2	18,7	19,2	19,9	19,7	20,4	20,9
<b>4H</b>	<b>12H</b>	17,0	17,7	17,5	18,2	18,7	19,3	19,9	19,7	20,4	20,9
<b>8H</b>	<b>4H</b>	16,9	17,6	17,4	18,1	18,6	18,9	19,6	19,4	20,1	20,5
<b>8H</b>	<b>6H</b>	17,1	17,7	17,6	18,2	18,7	19,1	19,7	19,6	20,2	20,7
<b>8H</b>	<b>8H</b>	17,2	17,7	17,7	18,3	18,7	19,3	19,8	19,8	20,3	20,8
<b>8H</b>	<b>12H</b>	17,2	17,7	17,8	18,2	18,7	19,3	19,8	19,8	20,3	20,8
<b>12H</b>	<b>4H</b>	16,9	17,6	17,4	18,0	18,5	18,9	19,6	19,3	20,0	20,5
<b>12H</b>	<b>6H</b>	17,1	17,7	17,6	18,2	18,7	19,1	19,7	19,7	20,2	20,7
<b>12H</b>	<b>8H</b>	17,2	17,7	17,7	18,2	18,7	19,2	19,7	19,8	20,2	20,7

UGR values are corrected for lamp flux of 7560 lm by 7,0

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Luminance [cd/m<sup>2</sup>] REBA 50 /T EXT LINE L1982 SRT/END+INT SYM BGLARE 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	4580,82	4681,02	5173,14	5992,02	7216,07	9509,85	15153,9	9509,85	7216,07
50,00	3403,29	3473,25	3815,88	4455,99	5418,34	7236,17	12246,0	7236,17	5418,34
55,00	2500,91	2543,24	2828,31	3249,16	3979,06	5387,22	9858,38	5387,22	3979,06
60,00	1842,34	1849,40	2083,37	2356,57	2896,55	3981,43	8029,99	3981,43	2896,55
65,00	1346,36	1349,07	1504,26	1694,47	2097,55	2955,52	6540,97	2955,52	2097,55
70,00	997,71	1013,79	1112,04	1237,76	1531,70	2188,41	5394,17	2188,41	1531,70
75,00	727,60	748,17	806,14	889,87	1098,29	1632,06	4585,52	1632,06	1098,29
80,00	490,49	488,65	540,45	581,42	735,30	1124,78	3794,05	1124,78	735,30
85,00	258,67	261,53	293,17	308,08	386,90	589,00	2720,40	589,00	386,90

G/C [cd/	135,00	150,00	165,00	180,00	195,00	210,00	225,00	240,00	255,00
45,00	5992,02	5173,14	4681,02	4580,82	4681,02	5173,14	5992,02	7216,07	9509,85
50,00	4455,99	3815,88	3473,25	3403,29	3473,25	3815,88	4455,99	5418,34	7236,17
55,00	3249,16	2828,31	2543,24	2500,91	2543,24	2828,31	3249,16	3979,06	5387,22
60,00	2356,57	2083,37	1849,40	1842,34	1849,40	2083,37	2356,57	2896,55	3981,43
65,00	1694,47	1504,26	1349,07	1346,36	1349,07	1504,26	1694,47	2097,55	2955,52
70,00	1237,76	1112,04	1013,79	997,71	1013,79	1112,04	1237,76	1531,70	2188,41
75,00	889,87	806,14	748,17	727,60	748,17	806,14	889,87	1098,29	1632,06
80,00	581,42	540,45	488,65	490,49	488,65	540,45	581,42	735,30	1124,78
85,00	308,08	293,17	261,53	258,67	261,53	293,17	308,08	386,90	589,00

G/C [cd/	270,00	285,00	300,00	315,00	330,00	345,00
45,00	15153,9	9509,85	7216,07	5992,02	5173,14	4681,02
50,00	12246,0	7236,17	5418,34	4455,99	3815,88	3473,25
55,00	9858,38	5387,22	3979,06	3249,16	2828,31	2543,24
60,00	8029,99	3981,43	2896,55	2356,57	2083,37	1849,40
65,00	6540,97	2955,52	2097,55	1694,47	1504,26	1349,07
70,00	5394,17	2188,41	1531,70	1237,76	1112,04	1013,79
75,00	4585,52	1632,06	1098,29	889,87	806,14	748,17
80,00	3794,05	1124,78	735,30	581,42	540,45	488,65
85,00	2720,40	589,00	386,90	308,08	293,17	261,53

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