

## PHOTOMETRIC RESULTS

<b>Name:</b>	<b>REBA 50 /T EXT LINE L1140 SRT/END+INT SYM BLINE K3 830 HO</b>		
<b>Number:</b>	90507-83+90497L004	<b>Diameter:</b>	0 mm
<b>Report:</b>	24-01-2020	<b>Length:</b>	1140 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 14:27:36	<b>Output ratio:</b>	63,1 %

## Protocol

**LiTG-class:** A40  
**UTE-class:** 0,63 E  
**IES-class:** 50 - 80 - 95 - 100 - 63  
**TM5-class:** BZ5/0.75/BZ4

<b>Divergences in the plane through maximum intensity:</b>	Horizontal	Vertical
<b>One half peak divergence</b>	102,1°	100,2°
<b>Half peak side angle (left)</b>	-51,0°	-50,1°
<b>Half peak side angle (right)</b>	51,0°	50,1°
<b>One tenth peak divergence</b>	157,2°	160,5°
<b>Tenth peak side angle (left)</b>	-78,6°	-80,3°
<b>Tenth peak side angle (right)</b>	78,6°	80,3°

<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 L1140 SRT/END+INT SYM BLINE K3 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>	16,8	18,5	17,2	18,8	19,1	19,4	21,0	19,8	21,3	21,6
<b>2H</b>	<b>3H</b>	17,8	19,2	18,2	19,6	19,9	20,7	22,2	21,1	22,6	22,9
<b>2H</b>	<b>4H</b>	18,1	19,5	18,5	19,8	20,2	21,3	22,6	21,6	23,0	23,3
<b>2H</b>	<b>6H</b>	18,3	19,6	18,7	20,0	20,3	21,6	22,9	22,0	23,2	23,6
<b>2H</b>	<b>8H</b>	18,3	19,6	18,7	19,9	20,3	21,6	22,9	22,1	23,3	23,7
<b>2H</b>	<b>12H</b>	18,3	19,5	18,7	19,9	20,3	21,7	22,9	22,1	23,2	23,6
<b>4H</b>	<b>2H</b>	17,5	18,9	17,9	19,2	19,6	19,6	21,0	20,0	21,4	21,7
<b>4H</b>	<b>3H</b>	18,6	19,7	19,0	20,1	20,5	21,1	22,3	21,5	22,6	23,0
<b>4H</b>	<b>4H</b>	19,0	20,0	19,4	20,5	20,9	21,7	22,7	22,1	23,1	23,6
<b>4H</b>	<b>6H</b>	19,2	20,2	19,7	20,6	21,1	22,0	23,0	22,5	23,4	23,9
<b>4H</b>	<b>8H</b>	19,3	20,2	19,8	20,6	21,1	22,2	23,0	22,6	23,5	23,9
<b>4H</b>	<b>12H</b>	19,4	20,2	19,8	20,6	21,1	22,2	23,0	22,7	23,5	24,0
<b>8H</b>	<b>4H</b>	19,2	20,1	19,7	20,5	21,0	21,7	22,6	22,2	23,0	23,5
<b>8H</b>	<b>6H</b>	19,5	20,2	20,0	20,7	21,2	22,1	22,8	22,6	23,3	23,8
<b>8H</b>	<b>8H</b>	19,7	20,3	20,2	20,8	21,3	22,3	22,9	22,8	23,4	23,9
<b>8H</b>	<b>12H</b>	19,7	20,3	20,3	20,8	21,3	22,4	22,9	22,9	23,4	23,9
<b>12H</b>	<b>4H</b>	19,2	20,0	19,7	20,5	21,0	21,7	22,5	22,2	22,9	23,4
<b>12H</b>	<b>6H</b>	19,6	20,2	20,1	20,7	21,2	22,2	22,8	22,7	23,3	23,8
<b>12H</b>	<b>8H</b>	19,7	20,3	20,2	20,8	21,3	22,3	22,8	22,8	23,3	23,9

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 L1140 SRT/END+INT SYM BLINE 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	4826,14	4915,09	5291,98	6038,96	7374,30	9902,10	15678,2	9902,10	7374,30
50,00	4088,02	4168,97	4502,53	5172,01	6405,26	8811,15	14824,2	8811,15	6405,26
55,00	3421,13	3496,63	3785,53	4378,44	5481,72	7744,91	13904,7	7744,91	5481,72
60,00	2821,45	2878,75	3126,88	3629,91	4604,65	6654,79	12907,3	6654,79	4604,65
65,00	2260,17	2305,71	2504,35	2921,59	3737,94	5531,24	11733,9	5531,24	3737,94
70,00	1731,25	1768,68	1919,97	2243,82	2890,59	4375,31	10292,3	4375,31	2890,59
75,00	1247,60	1268,16	1374,52	1596,33	2060,52	3164,09	8497,00	3164,09	2060,52
80,00	811,61	818,05	882,09	1004,13	1280,65	1967,69	6199,77	1967,69	1280,65
85,00	438,55	438,04	463,22	508,01	623,01	894,86	3440,19	894,86	623,01

G/C [cd/	135,00	150,00	165,00	180,00	195,00	210,00	225,00	240,00	255,00
45,00	6038,96	5291,98	4915,09	4826,14	4915,09	5291,98	6038,96	7374,30	9902,10
50,00	5172,01	4502,53	4168,97	4088,02	4168,97	4502,53	5172,01	6405,26	8811,15
55,00	4378,44	3785,53	3496,63	3421,13	3496,63	3785,53	4378,44	5481,72	7744,91
60,00	3629,91	3126,88	2878,75	2821,45	2878,75	3126,88	3629,91	4604,65	6654,79
65,00	2921,59	2504,35	2305,71	2260,17	2305,71	2504,35	2921,59	3737,94	5531,24
70,00	2243,82	1919,97	1768,68	1731,25	1768,68	1919,97	2243,82	2890,59	4375,31
75,00	1596,33	1374,52	1268,16	1247,60	1268,16	1374,52	1596,33	2060,52	3164,09
80,00	1004,13	882,09	818,05	811,61	818,05	882,09	1004,13	1280,65	1967,69
85,00	508,01	463,22	438,04	438,55	438,04	463,22	508,01	623,01	894,86

G/C [cd/	270,00	285,00	300,00	315,00	330,00	345,00
45,00	15678,2	9902,10	7374,30	6038,96	5291,98	4915,09
50,00	14824,2	8811,15	6405,26	5172,01	4502,53	4168,97
55,00	13904,7	7744,91	5481,72	4378,44	3785,53	3496,63
60,00	12907,3	6654,79	4604,65	3629,91	3126,88	2878,75
65,00	11733,9	5531,24	3737,94	2921,59	2504,35	2305,71
70,00	10292,3	4375,31	2890,59	2243,82	1919,97	1768,68
75,00	8497,00	3164,09	2060,52	1596,33	1374,52	1268,16
80,00	6199,77	1967,69	1280,65	1004,13	882,09	818,05
85,00	3440,19	894,86	623,01	508,01	463,22	438,04

## HEADQUARTERS

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