

## PHOTOMETRIC RESULTS

<b>Name:</b>	<b>REBA 65 EXT LINE L2804 MID+INT ASYM K3 830 HO</b>		
<b>Number:</b>	90509+90504L010	<b>Diameter:</b>	0 mm
<b>Report:</b>	23-01-2020	<b>Length:</b>	2804 mm
<b>Meas.-no.:</b>	01	<b>Width:</b>	65 mm
<b>Lamp type:</b>	LED 830 - 01	<b>Height:</b>	82 mm
<b>Number:</b>	01	<b>Power:</b>	79,85 W
<b>Lamp flux:</b>	12000,00 lm	<b>Operator:</b>	INDEL AGUE GROUP
<b>Date:</b>	23-01-2020 9:44:28	<b>Output ratio:</b>	59,0 %

## Protocol

**LiTG-class:** A50  
**UTE-class:** 0,59 D  
**IES-class:** 59 - 87 - 97 - 100 - 59  
**TM5-class:** BZ3/4.00/BZ4

<b>Divergences in the plane through maximum intensity:</b>	Horizontal	Vertical
<b>One half peak divergence</b>	98,1°	52,3°
<b>Half peak side angle (left)</b>	-49,1°	-38,3°
<b>Half peak side angle (right)</b>	49,1°	13,9°
<b>One tenth peak divergence</b>	143,5°	132,4°
<b>Tenth peak side angle (left)</b>	-71,8°	-65,2°
<b>Tenth peak side angle (right)</b>	71,8°	67,2°

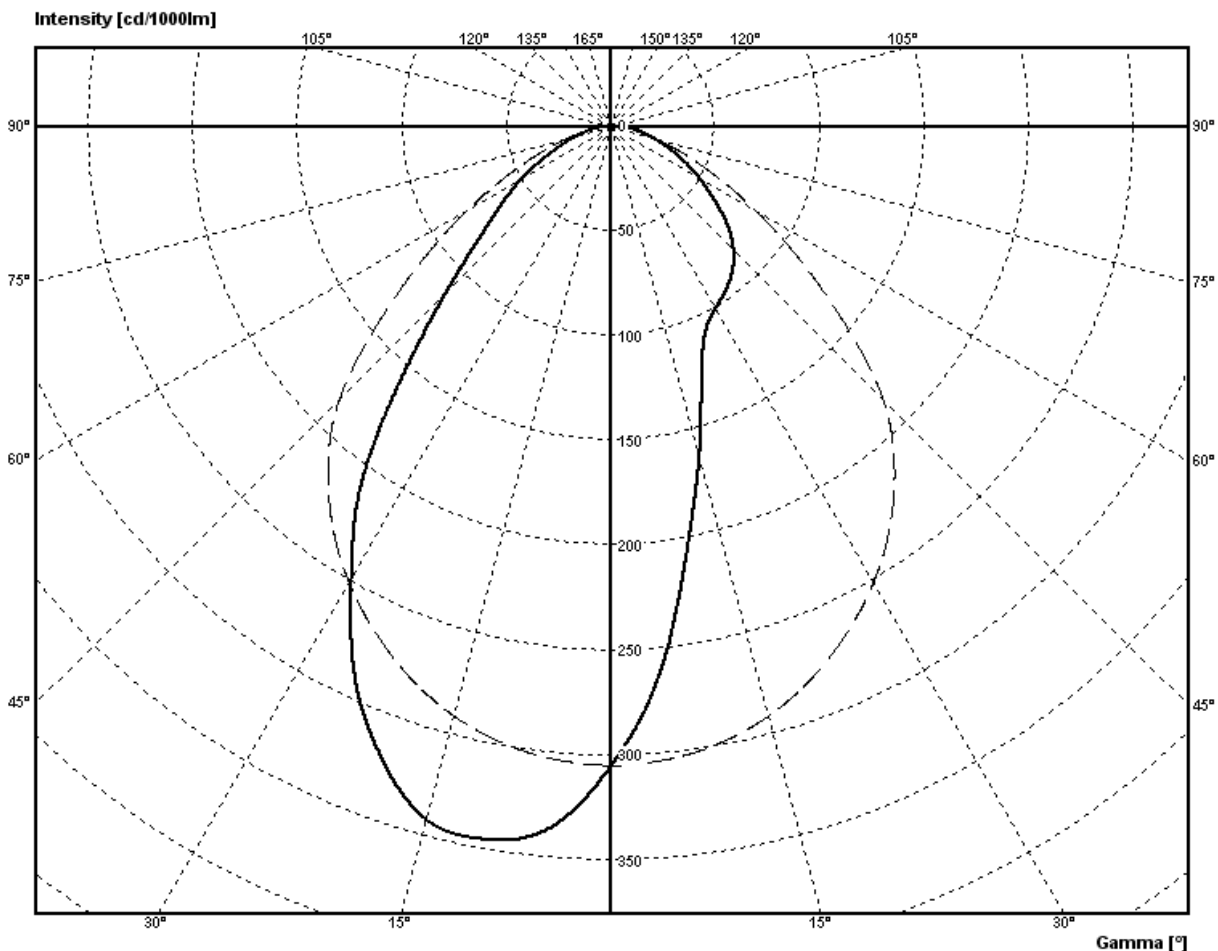
<b>C-planes:</b>	0,0°	15,0°	30,0°	45,0°	60,0°	75,0°	90,0°	105,0°	120,0°	135,0°
	150,0°	165,0°	180,0°	195,0°	210,0°	225,0°	240,0°	255,0°	270,0°	285,0°
	300,0°	315,0°	330,0°	345,0°						

<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 65 EXT LINE L2804 MID+INT ASYM 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>	15,6	17,1	16,0	17,4	17,8	19,7	21,2	20,1	21,5	21,8
<b>2H</b>	<b>3H</b>	16,2	17,5	16,6	17,9	18,2	20,4	21,7	20,8	22,1	22,4
<b>2H</b>	<b>4H</b>	16,4	17,6	16,8	18,0	18,3	20,7	21,9	21,0	22,3	22,6
<b>2H</b>	<b>6H</b>	16,5	17,7	16,9	18,0	18,4	20,8	22,0	21,2	22,3	22,7
<b>2H</b>	<b>8H</b>	16,5	17,6	16,9	18,0	18,4	20,8	21,9	21,2	22,3	22,7
<b>2H</b>	<b>12H</b>	16,5	17,6	16,9	18,0	18,4	20,8	21,9	21,3	22,3	22,7
<b>4H</b>	<b>2H</b>	16,2	17,4	16,6	17,8	18,1	19,7	21,0	20,1	21,3	21,7
<b>4H</b>	<b>3H</b>	16,8	17,9	17,3	18,3	18,7	20,5	21,6	20,9	21,9	22,4
<b>4H</b>	<b>4H</b>	17,2	18,1	17,6	18,5	18,9	20,8	21,8	21,3	22,2	22,6
<b>4H</b>	<b>6H</b>	17,3	18,1	17,8	18,6	19,0	21,0	21,8	21,5	22,3	22,7
<b>4H</b>	<b>8H</b>	17,4	18,1	17,8	18,6	19,0	21,1	21,9	21,6	22,3	22,8
<b>4H</b>	<b>12H</b>	17,4	18,1	17,9	18,6	19,1	21,1	21,8	21,6	22,3	22,8
<b>8H</b>	<b>4H</b>	17,3	18,0	17,7	18,5	19,0	20,8	21,5	21,3	22,0	22,5
<b>8H</b>	<b>6H</b>	17,5	18,1	18,0	18,6	19,1	21,0	21,6	21,5	22,1	22,6
<b>8H</b>	<b>8H</b>	17,6	18,2	18,2	18,7	19,2	21,1	21,7	21,6	22,2	22,7
<b>8H</b>	<b>12H</b>	17,7	18,2	18,2	18,7	19,2	21,2	21,6	21,7	22,2	22,7
<b>12H</b>	<b>4H</b>	17,3	18,0	17,8	18,4	18,9	20,8	21,5	21,2	21,9	22,4
<b>12H</b>	<b>6H</b>	17,6	18,1	18,1	18,6	19,1	21,0	21,6	21,5	22,1	22,6
<b>12H</b>	<b>8H</b>	17,7	18,1	18,2	18,7	19,2	21,1	21,6	21,6	22,1	22,6

UGR values are corrected for lamp flux of 12000 lm by 8,6

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Luminance [cd/m<sup>2</sup>] REBA 65 EXT LINE L2804 MID+INT ASYM 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	3512,54	3619,70	3826,59	4359,66	5694,52	9273,48	17682,6	14921,4	12062,7
50,00	3062,32	3035,23	3237,58	3739,97	4915,15	7865,45	15296,1	12416,7	9399,08
55,00	2514,96	2455,01	2675,55	3040,56	4121,51	6306,46	12821,4	9781,35	6931,79
60,00	2051,84	1975,75	2246,59	2562,22	3374,11	5063,29	10544,5	7248,89	5065,06
65,00	1653,91	1559,21	1812,53	2066,39	2671,27	3990,18	8423,71	5177,67	3499,15
70,00	1264,28	1225,57	1406,98	1580,17	2001,05	3002,74	6697,80	3700,90	2341,75
75,00	936,02	938,93	1056,22	1182,10	1443,80	2189,43	5292,63	2507,14	1600,64
80,00	693,75	658,73	735,19	829,59	1014,75	1500,56	4230,77	1634,82	1039,74
85,00	462,99	381,76	423,00	460,78	561,09	828,00	3109,01	883,82	572,09

G/C [cd/	135,00	150,00	165,00	180,00	195,00	210,00	225,00	240,00	255,00
45,00	9182,13	7320,81	6141,17	4688,24	6141,17	7320,81	9182,13	12062,7	14921,4
50,00	6900,04	5049,85	4296,66	3409,00	4296,66	5049,85	6900,04	9399,08	12416,7
55,00	4717,90	3603,75	3219,60	2639,98	3219,60	3603,75	4717,90	6931,79	9781,35
60,00	3331,84	2755,89	2473,61	2051,84	2473,61	2755,89	3331,84	5065,06	7248,89
65,00	2389,89	2083,83	1878,50	1491,96	1878,50	2083,83	2389,89	3499,15	5177,67
70,00	1706,99	1567,26	1402,60	1078,65	1402,60	1567,26	1706,99	2341,75	3700,90
75,00	1243,18	1151,68	997,96	765,37	997,96	1151,68	1243,18	1600,64	2507,14
80,00	860,04	777,11	670,44	500,14	670,44	777,11	860,04	1039,74	1634,82
85,00	489,32	457,11	409,47	321,84	409,47	457,11	489,32	572,09	883,82

G/C [cd/	270,00	285,00	300,00	315,00	330,00	345,00
45,00	17682,6	9273,48	5694,52	4359,66	3826,59	3619,70
50,00	15296,1	7865,45	4915,15	3739,97	3237,58	3035,23
55,00	12821,4	6306,46	4121,51	3040,56	2675,55	2455,01
60,00	10544,5	5063,29	3374,11	2562,22	2246,59	1975,75
65,00	8423,71	3990,18	2671,27	2066,39	1812,53	1559,21
70,00	6697,80	3002,74	2001,05	1580,17	1406,98	1225,57
75,00	5292,63	2189,43	1443,80	1182,10	1056,22	938,93
80,00	4230,77	1500,56	1014,75	829,59	735,19	658,73
85,00	3109,01	828,00	561,09	460,78	423,00	381,76

## HEADQUARTERS

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