

## PHOTOMETRIC RESULTS

<b>Name:</b>	<b>REBA 65 EXT LINE L1964 MID+INT ASYM K3 830 HO</b>		
<b>Number:</b>	90509+90504L007	<b>Diameter:</b>	0 mm
<b>Report:</b>	22-01-2020	<b>Length:</b>	1964 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>	57,16 W
<b>Lamp flux:</b>	8400,00 lm	<b>Operator:</b>	INDEL AGUE GROUP
<b>Date:</b>	22-01-2020 16:16:07	<b>Output ratio:</b>	57,8 %

## Protocol

**LiTG-class:** A50  
**UTE-class:** 0,58 D  
**IES-class:** 60 - 87 - 97 - 100 - 58  
**TM5-class:** BZ3

<b>Divergences in the plane through maximum intensity:</b>	Horizontal	Vertical
<b>One half peak divergence</b>	96,5°	55,8°
<b>Half peak side angle (left)</b>	-48,3°	-39,8°
<b>Half peak side angle (right)</b>	48,3°	16,1°
<b>One tenth peak divergence</b>	142,4°	133,8°
<b>Tenth peak side angle (left)</b>	-71,2°	-66,0°
<b>Tenth peak side angle (right)</b>	71,2°	67,7°

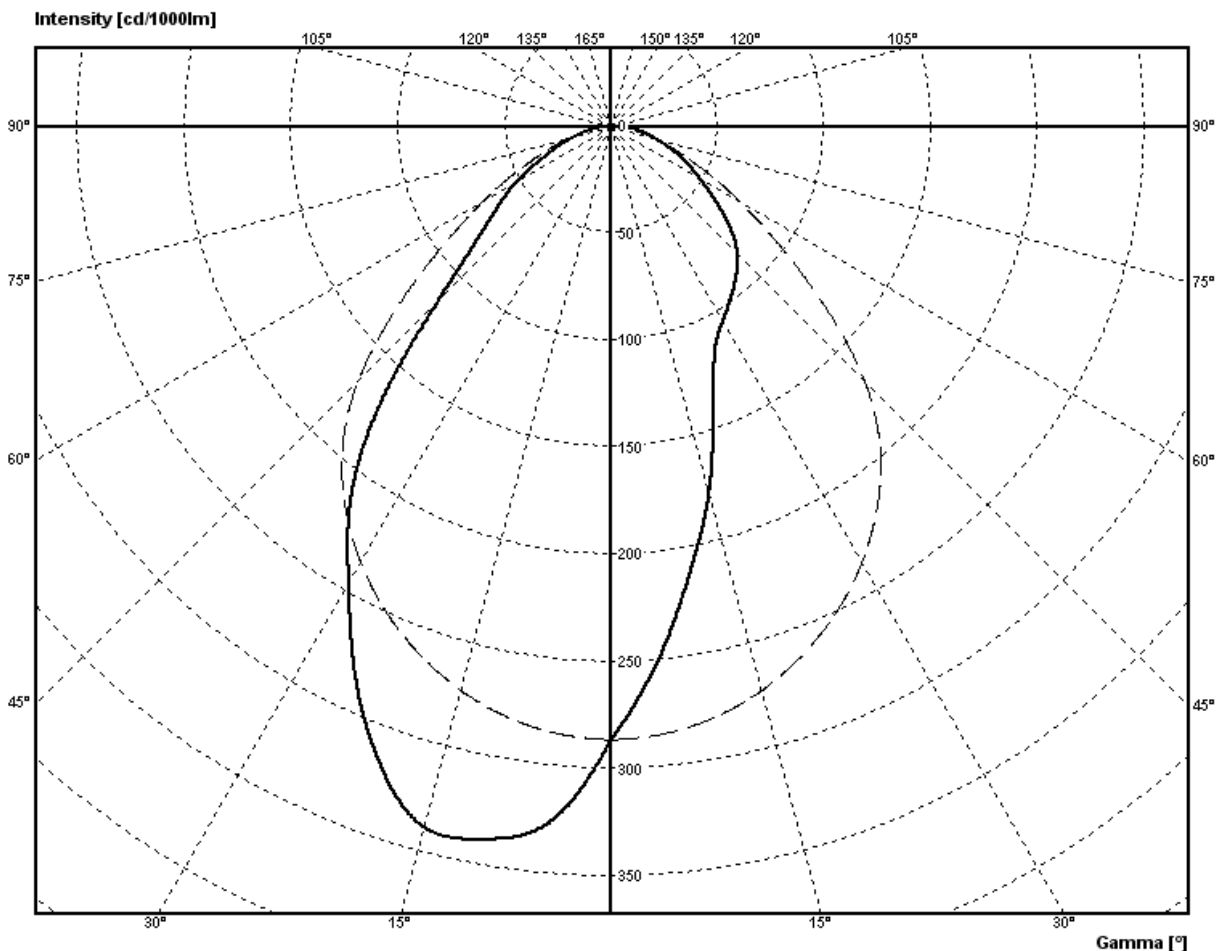
<b>C-planes:</b>	0,0°	15,0°	30,0°	45,0°	60,0°	75,0°	90,0°	105,0°	120,0°	135,0°
	150,0°	165,0°	180,0°	195,0°	210,0°	225,0°	240,0°	255,0°	270,0°	285,0°
	300,0°	315,0°	330,0°	345,0°						

<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 L1964 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>	15,7	17,2	16,1	17,5	17,8	19,2	20,7	19,6	21,0	21,3
<b>2H</b>	<b>3H</b>	16,3	17,6	16,7	18,0	18,3	19,9	21,2	20,3	21,6	21,9
<b>2H</b>	<b>4H</b>	16,5	17,7	16,9	18,1	18,5	20,1	21,4	20,5	21,7	22,1
<b>2H</b>	<b>6H</b>	16,6	17,8	17,0	18,1	18,5	20,3	21,5	20,7	21,8	22,2
<b>2H</b>	<b>8H</b>	16,6	17,7	17,0	18,1	18,5	20,3	21,5	20,8	21,8	22,2
<b>2H</b>	<b>12H</b>	16,6	17,7	17,0	18,1	18,5	20,3	21,4	20,8	21,8	22,2
<b>4H</b>	<b>2H</b>	16,2	17,5	16,6	17,8	18,2	19,3	20,5	19,7	20,9	21,2
<b>4H</b>	<b>3H</b>	16,9	18,0	17,3	18,4	18,8	20,0	21,1	20,4	21,5	21,9
<b>4H</b>	<b>4H</b>	17,2	18,2	17,7	18,6	19,0	20,4	21,3	20,8	21,7	22,1
<b>4H</b>	<b>6H</b>	17,4	18,2	17,9	18,7	19,1	20,6	21,4	21,0	21,8	22,3
<b>4H</b>	<b>8H</b>	17,4	18,2	17,9	18,7	19,1	20,6	21,4	21,1	21,8	22,3
<b>4H</b>	<b>12H</b>	17,5	18,2	18,0	18,6	19,1	20,7	21,4	21,2	21,8	22,3
<b>8H</b>	<b>4H</b>	17,3	18,1	17,8	18,6	19,0	20,3	21,1	20,8	21,5	22,0
<b>8H</b>	<b>6H</b>	17,6	18,2	18,1	18,7	19,2	20,5	21,2	21,0	21,7	22,2
<b>8H</b>	<b>8H</b>	17,7	18,3	18,2	18,8	19,3	20,7	21,2	21,2	21,8	22,2
<b>8H</b>	<b>12H</b>	17,8	18,3	18,3	18,8	19,3	20,7	21,2	21,3	21,7	22,2
<b>12H</b>	<b>4H</b>	17,4	18,1	17,8	18,5	19,0	20,3	21,0	20,8	21,5	22,0
<b>12H</b>	<b>6H</b>	17,6	18,2	18,2	18,7	19,2	20,6	21,1	21,1	21,6	22,1
<b>12H</b>	<b>8H</b>	17,8	18,2	18,3	18,7	19,2	20,7	21,1	21,2	21,7	22,2

UGR values are corrected for lamp flux of 8400 lm by 7,4

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Luminance [cd/m<sup>2</sup>] REBA 65 EXT LINE L1964 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	3544,38	3597,85	3779,93	4376,02	5808,58	9425,58	15918,6	13556,0	11357,9
50,00	3047,62	2981,30	3096,67	3610,22	4898,65	7628,09	13536,1	10973,8	8752,73
55,00	2482,98	2392,36	2602,56	2946,94	4021,30	5989,06	10986,2	8457,95	6482,19
60,00	2015,12	1917,73	2185,87	2485,00	3227,61	4763,78	8990,70	6309,25	4729,57
65,00	1659,44	1544,40	1768,13	1997,71	2533,46	3704,08	7165,30	4639,27	3315,56
70,00	1295,26	1250,01	1378,14	1555,08	1892,73	2792,74	5750,51	3325,17	2203,48
75,00	956,12	962,90	1033,97	1157,00	1388,54	2094,98	4702,86	2363,85	1539,47
80,00	698,70	652,23	726,91	812,32	996,54	1468,72	3823,98	1583,67	1021,04
85,00	479,64	383,84	415,25	461,70	547,56	809,09	2717,92	898,99	574,49

G/C [cd/	135,00	150,00	165,00	180,00	195,00	210,00	225,00	240,00	255,00
45,00	9051,90	7490,80	6436,88	4798,67	6436,88	7490,80	9051,90	11357,9	13556,0
50,00	6750,66	5087,71	4374,59	3416,54	4374,59	5087,71	6750,66	8752,73	10973,8
55,00	4689,25	3565,28	3222,98	2675,21	3222,98	3565,28	4689,25	6482,19	8457,95
60,00	3276,40	2703,21	2501,76	2127,97	2501,76	2703,21	3276,40	4729,57	6309,25
65,00	2307,14	2062,82	1933,82	1536,82	1933,82	2062,82	2307,14	3315,56	4639,27
70,00	1656,50	1593,17	1458,35	1119,77	1458,35	1593,17	1656,50	2203,48	3325,17
75,00	1245,55	1206,30	1037,69	775,24	1037,69	1206,30	1245,55	1539,47	2363,85
80,00	862,31	801,19	676,57	510,59	676,57	801,19	862,31	1021,04	1583,67
85,00	508,54	465,75	414,54	329,16	414,54	465,75	508,54	574,49	898,99

G/C [cd/	270,00	285,00	300,00	315,00	330,00	345,00
45,00	15918,6	9425,58	5808,58	4376,02	3779,93	3597,85
50,00	13536,1	7628,09	4898,65	3610,22	3096,67	2981,30
55,00	10986,2	5989,06	4021,30	2946,94	2602,56	2392,36
60,00	8990,70	4763,78	3227,61	2485,00	2185,87	1917,73
65,00	7165,30	3704,08	2533,46	1997,71	1768,13	1544,40
70,00	5750,51	2792,74	1892,73	1555,08	1378,14	1250,01
75,00	4702,86	2094,98	1388,54	1157,00	1033,97	962,90
80,00	3823,98	1468,72	996,54	812,32	726,91	652,23
85,00	2717,92	809,09	547,56	461,70	415,25	383,84

## HEADQUARTERS

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