

## PHOTOMETRIC RESULTS

<b>Name:</b>	REBA 50 /E EXT LINE L2524 MID+INT SYM BFLEX 830 HO		
<b>Number:</b>	90506+90499L009	<b>Diameter:</b>	0 mm
<b>Report:</b>	24-01-2020	<b>Length:</b>	2524 mm
<b>Meas.-no.:</b>	01	<b>Width:</b>	62 mm
<b>Lamp type:</b>	LED 830 - 01	<b>Height:</b>	72 mm
<b>Number:</b>	1	<b>Power:</b>	65,74 W
<b>Lamp flux:</b>	9720,00 lm	<b>Operator:</b>	INDEL AGUE GROUP
<b>Date:</b>	24-01-2020 14:11:52	<b>Output ratio:</b>	64,1 %

## Protocol

**LiTG-class:** A40  
**UTE-class:** 0,64 E  
**IES-class:** 46 - 76 - 93 - 100 - 64  
**TM5-class:** BZ4/0.75/BZ5

<b>Divergences in the plane through maximum intensity:</b>	Horizontal	Vertical
<b>One half peak divergence</b>	109,0°	113,2°
<b>Half peak side angle (left)</b>	-54,5°	-56,6°
<b>Half peak side angle (right)</b>	54,5°	56,6°
<b>One tenth peak divergence</b>	163,2°	174,7°
<b>Tenth peak side angle (left)</b>	-81,6°	-87,3°
<b>Tenth peak side angle (right)</b>	81,6°	87,3°

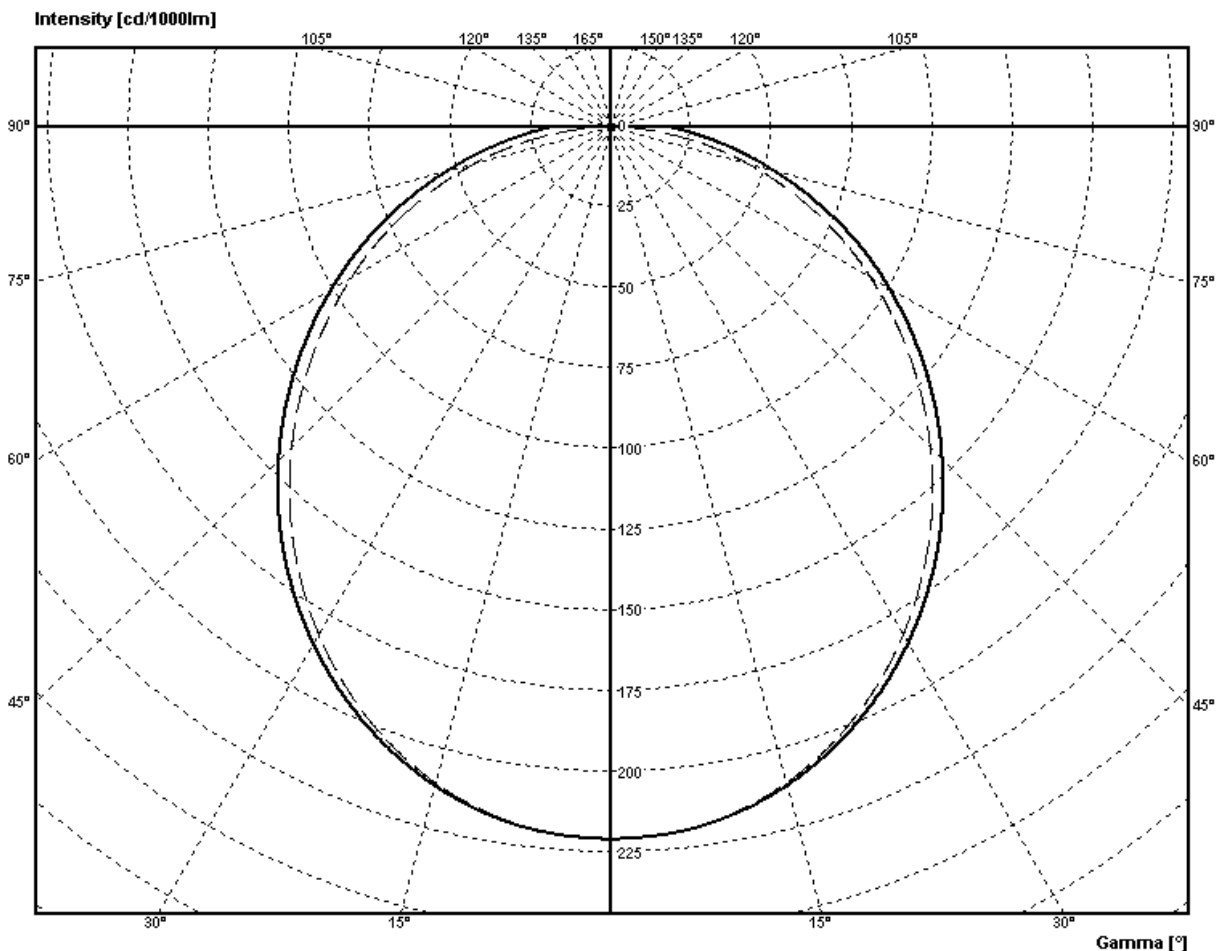
<b>C-planes:</b>	0,0°	15,0°	30,0°	45,0°	60,0°	75,0°	90,0°	105,0°	120,0°	135,0°
	150,0°	165,0°	180,0°	195,0°	210,0°	225,0°	240,0°	255,0°	270,0°	285,0°
	300,0°	315,0°	330,0°	345,0°						

<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 /E EXT LINE L2524 MID+INT SYM BFLEX 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>	18,3	20,0	18,6	20,3	20,6	20,1	21,8	20,5	22,1	22,4
<b>2H</b>	<b>3H</b>	19,5	21,0	19,9	21,4	21,7	21,7	23,3	22,1	23,6	23,9
<b>2H</b>	<b>4H</b>	20,0	21,4	20,4	21,8	22,2	22,4	23,9	22,8	24,2	24,6
<b>2H</b>	<b>6H</b>	20,4	21,7	20,8	22,1	22,5	23,0	24,3	23,4	24,7	25,1
<b>2H</b>	<b>8H</b>	20,5	21,8	20,9	22,2	22,6	23,1	24,4	23,5	24,8	25,2
<b>2H</b>	<b>12H</b>	20,6	21,8	21,0	22,2	22,6	23,2	24,4	23,6	24,8	25,2
<b>4H</b>	<b>2H</b>	19,0	20,4	19,4	20,8	21,1	20,5	21,9	20,9	22,3	22,6
<b>4H</b>	<b>3H</b>	20,4	21,6	20,8	22,0	22,4	22,2	23,4	22,6	23,8	24,2
<b>4H</b>	<b>4H</b>	21,0	22,1	21,4	22,5	23,0	23,0	24,1	23,5	24,5	25,0
<b>4H</b>	<b>6H</b>	21,5	22,5	21,9	22,9	23,3	23,6	24,6	24,1	25,0	25,5
<b>4H</b>	<b>8H</b>	21,6	22,6	22,1	23,0	23,5	23,8	24,7	24,3	25,2	25,6
<b>4H</b>	<b>12H</b>	21,8	22,7	22,3	23,1	23,6	24,0	24,8	24,4	25,3	25,8
<b>8H</b>	<b>4H</b>	21,3	22,2	21,8	22,7	23,1	23,1	24,0	23,6	24,5	24,9
<b>8H</b>	<b>6H</b>	21,8	22,6	22,3	23,1	23,6	23,8	24,6	24,3	25,0	25,5
<b>8H</b>	<b>8H</b>	22,2	22,8	22,7	23,3	23,8	24,1	24,8	24,6	25,3	25,8
<b>8H</b>	<b>12H</b>	22,4	23,0	22,9	23,5	24,0	24,3	24,9	24,8	25,4	25,9
<b>12H</b>	<b>4H</b>	21,3	22,2	21,8	22,6	23,1	23,1	24,0	23,6	24,4	24,9
<b>12H</b>	<b>6H</b>	22,0	22,6	22,5	23,1	23,6	23,8	24,5	24,4	25,0	25,5
<b>12H</b>	<b>8H</b>	22,2	22,8	22,8	23,3	23,8	24,1	24,7	24,6	25,2	25,7

UGR values are corrected for lamp flux of 9720 lm by 7,9

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Luminance [cd/m<sup>2</sup>] REBA 50 /E EXT LINE L2524 MID+INT SYM BFLEX 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	6718,13	6826,87	7208,30	7971,31	9277,27	11617,5	16118,1	11617,5	9277,27
50,00	5945,93	6047,68	6405,99	7106,28	8404,18	10753,0	15706,5	10753,0	8404,18
55,00	5203,69	5300,57	5624,34	6298,18	7501,02	9877,25	15259,7	9877,25	7501,02
60,00	4502,94	4581,05	4875,10	5476,93	6618,26	8916,58	14800,5	8916,58	6618,26
65,00	3816,69	3881,87	4137,20	4668,29	5705,92	7891,13	14291,1	7891,13	5705,92
70,00	3132,75	3186,98	3407,66	3860,16	4763,54	6771,68	13572,0	6771,68	4763,54
75,00	2476,15	2512,63	2675,40	3017,19	3748,20	5495,78	12742,2	5495,78	3748,20
80,00	1867,72	1885,73	1981,04	2186,20	2673,43	3983,82	11263,4	3983,82	2673,43
85,00	1321,40	1322,62	1359,88	1424,72	1630,70	2263,54	8095,72	2263,54	1630,70

G/C [cd/	135,00	150,00	165,00	180,00	195,00	210,00	225,00	240,00	255,00
45,00	7971,31	7208,30	6826,87	6718,13	6826,87	7208,30	7971,31	9277,27	11617,5
50,00	7106,28	6405,99	6047,68	5945,93	6047,68	6405,99	7106,28	8404,18	10753,0
55,00	6298,18	5624,34	5300,57	5203,69	5300,57	5624,34	6298,18	7501,02	9877,25
60,00	5476,93	4875,10	4581,05	4502,94	4581,05	4875,10	5476,93	6618,26	8916,58
65,00	4668,29	4137,20	3881,87	3816,69	3881,87	4137,20	4668,29	5705,92	7891,13
70,00	3860,16	3407,66	3186,98	3132,75	3186,98	3407,66	3860,16	4763,54	6771,68
75,00	3017,19	2675,40	2512,63	2476,15	2512,63	2675,40	3017,19	3748,20	5495,78
80,00	2186,20	1981,04	1885,73	1867,72	1885,73	1981,04	2186,20	2673,43	3983,82
85,00	1424,72	1359,88	1322,62	1321,40	1322,62	1359,88	1424,72	1630,70	2263,54

G/C [cd/	270,00	285,00	300,00	315,00	330,00	345,00
45,00	16118,1	11617,5	9277,27	7971,31	7208,30	6826,87
50,00	15706,5	10753,0	8404,18	7106,28	6405,99	6047,68
55,00	15259,7	9877,25	7501,02	6298,18	5624,34	5300,57
60,00	14800,5	8916,58	6618,26	5476,93	4875,10	4581,05
65,00	14291,1	7891,13	5705,92	4668,29	4137,20	3881,87
70,00	13572,0	6771,68	4763,54	3860,16	3407,66	3186,98
75,00	12742,2	5495,78	3748,20	3017,19	2675,40	2512,63
80,00	11263,4	3983,82	2673,43	2186,20	1981,04	1885,73
85,00	8095,72	2263,54	1630,70	1424,72	1359,88	1322,62

## HEADQUARTERS

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