

## PHOTOMETRIC RESULTS

<b>Name:</b>	<b>REBA 50 /E EXT LINE L2524 MID+INT SYM BGLARE K3 830 HO</b>		
<b>Number:</b>	90506+90498L009	<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>	01	<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 14:42:44	<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 /E EXT LINE L2524 MID+INT SYM BGLARE 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>		<b>Viewed crosswise</b>					<b>Viewed endwise</b>				
<b>2H</b>	<b>2H</b>	16,8	18,2	17,2	18,6	18,9	18,5	20,0	18,9	20,3	20,6
<b>2H</b>	<b>3H</b>	17,3	18,6	17,7	18,9	19,3	19,1	20,4	19,5	20,8	21,1
<b>2H</b>	<b>4H</b>	17,5	18,7	17,8	19,0	19,4	19,4	20,6	19,8	20,9	21,3
<b>2H</b>	<b>6H</b>	17,6	18,7	18,0	19,1	19,5	19,6	20,7	20,0	21,1	21,5
<b>2H</b>	<b>8H</b>	17,6	18,6	18,0	19,0	19,4	19,6	20,7	20,0	21,1	21,5
<b>2H</b>	<b>12H</b>	17,6	18,6	18,0	19,0	19,4	19,6	20,6	20,0	21,0	21,4
<b>4H</b>	<b>2H</b>	17,1	18,3	17,5	18,7	19,1	18,6	19,8	19,0	20,2	20,6
<b>4H</b>	<b>3H</b>	17,7	18,7	18,1	19,1	19,5	19,3	20,3	19,7	20,7	21,1
<b>4H</b>	<b>4H</b>	18,0	18,9	18,4	19,3	19,8	19,7	20,6	20,1	21,0	21,4
<b>4H</b>	<b>6H</b>	18,2	19,0	18,6	19,4	19,8	19,9	20,7	20,3	21,1	21,6
<b>4H</b>	<b>8H</b>	18,2	18,9	18,7	19,4	19,9	20,0	20,7	20,4	21,2	21,6
<b>4H</b>	<b>12H</b>	18,2	18,9	18,7	19,4	19,9	20,0	20,7	20,5	21,2	21,7
<b>8H</b>	<b>4H</b>	18,1	18,8	18,5	19,3	19,7	19,6	20,4	20,1	20,8	21,3
<b>8H</b>	<b>6H</b>	18,3	18,9	18,8	19,4	19,9	19,9	20,5	20,4	21,0	21,5
<b>8H</b>	<b>8H</b>	18,4	18,9	18,9	19,5	19,9	20,1	20,6	20,6	21,1	21,6
<b>8H</b>	<b>12H</b>	18,4	18,9	19,0	19,4	19,9	20,1	20,6	20,7	21,1	21,6
<b>12H</b>	<b>4H</b>	18,1	18,8	18,5	19,2	19,7	19,6	20,3	20,1	20,8	21,3
<b>12H</b>	<b>6H</b>	18,3	18,9	18,8	19,4	19,9	19,9	20,5	20,5	21,0	21,5
<b>12H</b>	<b>8H</b>	18,4	18,9	18,9	19,4	19,9	20,1	20,5	20,6	21,0	21,5

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 BGLARE 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	6214,10	6336,79	6934,61	7873,22	9145,04	11272,8	15595,8	11272,8	9145,04
50,00	4697,82	4785,52	5209,71	5969,27	7008,05	8746,96	12668,4	8746,96	7008,05
55,00	3510,45	3564,19	3930,65	4436,37	5253,89	6649,57	10262,3	6649,57	5253,89
60,00	2628,63	2635,28	2946,54	3279,63	3906,78	5027,64	8425,03	5027,64	3906,78
65,00	1952,34	1954,36	2165,15	2404,39	2892,81	3827,91	6934,30	3827,91	2892,81
70,00	1470,57	1493,35	1629,41	1791,89	2163,11	2917,23	5802,48	2917,23	2163,11
75,00	1090,50	1121,07	1203,16	1315,65	1591,41	2249,99	5044,36	2249,99	1591,41
80,00	747,98	745,35	822,39	879,15	1096,16	1614,63	4342,72	1614,63	1096,16
85,00	401,76	406,51	455,43	477,38	595,61	889,29	3414,12	889,29	595,61

G/C [cd/	135,00	150,00	165,00	180,00	195,00	210,00	225,00	240,00	255,00
45,00	7873,22	6934,61	6336,79	6214,10	6336,79	6934,61	7873,22	9145,04	11272,8
50,00	5969,27	5209,71	4785,52	4697,82	4785,52	5209,71	5969,27	7008,05	8746,96
55,00	4436,37	3930,65	3564,19	3510,45	3564,19	3930,65	4436,37	5253,89	6649,57
60,00	3279,63	2946,54	2635,28	2628,63	2635,28	2946,54	3279,63	3906,78	5027,64
65,00	2404,39	2165,15	1954,36	1952,34	1954,36	2165,15	2404,39	2892,81	3827,91
70,00	1791,89	1629,41	1493,35	1470,57	1493,35	1629,41	1791,89	2163,11	2917,23
75,00	1315,65	1203,16	1121,07	1090,50	1121,07	1203,16	1315,65	1591,41	2249,99
80,00	879,15	822,39	745,35	747,98	745,35	822,39	879,15	1096,16	1614,63
85,00	477,38	455,43	406,51	401,76	406,51	455,43	477,38	595,61	889,29

G/C [cd/	270,00	285,00	300,00	315,00	330,00	345,00
45,00	15595,8	11272,8	9145,04	7873,22	6934,61	6336,79
50,00	12668,4	8746,96	7008,05	5969,27	5209,71	4785,52
55,00	10262,3	6649,57	5253,89	4436,37	3930,65	3564,19
60,00	8425,03	5027,64	3906,78	3279,63	2946,54	2635,28
65,00	6934,30	3827,91	2892,81	2404,39	2165,15	1954,36
70,00	5802,48	2917,23	2163,11	1791,89	1629,41	1493,35
75,00	5044,36	2249,99	1591,41	1315,65	1203,16	1121,07
80,00	4342,72	1614,63	1096,16	879,15	822,39	745,35
85,00	3414,12	889,29	595,61	477,38	455,43	406,51

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