

## PHOTOMETRIC RESULTS

<b>Name:</b>	REBA 50 /E EXT LINE L1402 MID+INT SYM BFLEX K3 830 HO		
<b>Number:</b>	90506+90499L005	<b>Diameter:</b>	0 mm
<b>Report:</b>	24-01-2020	<b>Length:</b>	1402 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>	36,8 W
<b>Lamp flux:</b>	5400,00 lm	<b>Operator:</b>	INDEL AGUE GROUP
<b>Date:</b>	24-01-2020 16:10:00	<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

## Divergences in the plane through maximum intensity:

	Horizontal	Vertical
One half peak divergence	109,5°	113,4°
Half peak side angle (left)	-54,7°	-56,7°
Half peak side angle (right)	54,7°	56,7°
One tenth peak divergence	163,4°	175,4°
Tenth peak side angle (left)	-81,7°	-87,7°
Tenth peak side angle (right)	81,7°	87,7°

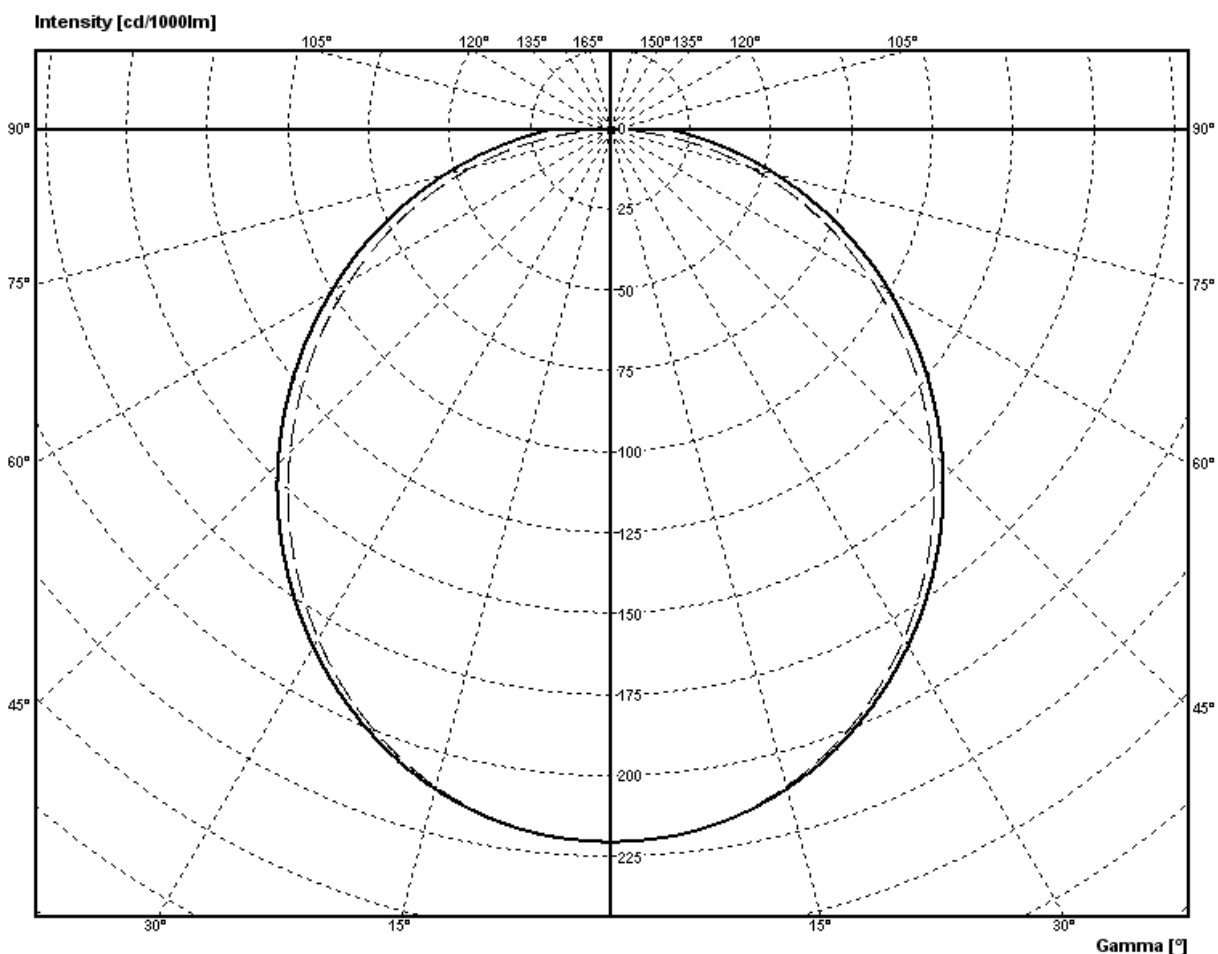
<b>C-planes:</b>	0,0°	15,0°	30,0°	45,0°	60,0°	75,0°	90,0°	105,0°	120,0°	135,0°
	150,0°	165,0°	180,0°	195,0°	210,0°	225,0°	240,0°	255,0°	270,0°	285,0°
	300,0°	315,0°	330,0°	345,0°						

<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 50 /E EXT LINE L1402 MID+INT SYM BFLEX K3 830 HO / Direction 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	19,9	18,6	20,3	20,6	20,1	21,7	20,4	22,0	22,4
<b>2H</b>	<b>3H</b>	19,5	21,0	19,9	21,4	21,7	21,7	23,2	22,0	23,5	23,9
<b>2H</b>	<b>4H</b>	20,0	21,4	20,4	21,8	22,1	22,3	23,8	22,7	24,1	24,5
<b>2H</b>	<b>6H</b>	20,4	21,7	20,8	22,1	22,5	22,9	24,2	23,3	24,6	25,0
<b>2H</b>	<b>8H</b>	20,5	21,8	20,9	22,2	22,6	23,0	24,3	23,4	24,7	25,1
<b>2H</b>	<b>12H</b>	20,6	21,8	21,0	22,2	22,6	23,1	24,3	23,5	24,7	25,1
<b>4H</b>	<b>2H</b>	19,0	20,4	19,4	20,8	21,1	20,4	21,9	20,8	22,2	22,6
<b>4H</b>	<b>3H</b>	20,4	21,6	20,8	22,0	22,4	22,1	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	23,4	24,5	24,9
<b>4H</b>	<b>6H</b>	21,5	22,5	21,9	22,9	23,3	23,5	24,5	24,0	25,0	25,4
<b>4H</b>	<b>8H</b>	21,6	22,6	22,1	23,0	23,5	23,7	24,7	24,2	25,1	25,6
<b>4H</b>	<b>12H</b>	21,8	22,7	22,3	23,1	23,6	23,9	24,7	24,4	25,2	25,7
<b>8H</b>	<b>4H</b>	21,3	22,2	21,7	22,6	23,1	23,1	24,0	23,5	24,4	24,9
<b>8H</b>	<b>6H</b>	21,8	22,6	22,3	23,1	23,6	23,7	24,5	24,2	24,9	25,4
<b>8H</b>	<b>8H</b>	22,2	22,8	22,7	23,3	23,8	24,0	24,7	24,5	25,2	25,7
<b>8H</b>	<b>12H</b>	22,4	23,0	22,9	23,5	24,0	24,2	24,8	24,7	25,3	25,8
<b>12H</b>	<b>4H</b>	21,3	22,2	21,8	22,6	23,1	23,1	23,9	23,5	24,4	24,9
<b>12H</b>	<b>6H</b>	22,0	22,6	22,5	23,1	23,6	23,8	24,5	24,3	25,0	25,4
<b>12H</b>	<b>8H</b>	22,2	22,8	22,8	23,3	23,8	24,0	24,6	24,6	25,1	25,6

UGR values are corrected for lamp flux of 5400 lm by 5,9

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Luminance [cd/m<sup>2</sup>] REBA 50 /E EXT LINE L1402 MID+INT SYM BFLEX 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	6717,72	6809,23	7175,42	7903,85	9183,10	11452,4	15823,9	11452,4	9183,10
50,00	5943,25	6027,03	6371,01	7058,86	8301,93	10618,0	15362,7	10618,0	8301,93
55,00	5208,11	5288,84	5598,33	6240,05	7420,09	9696,59	14865,8	9696,59	7420,09
60,00	4497,90	4569,93	4850,58	5439,37	6552,78	8779,83	14331,8	8779,83	6552,78
65,00	3816,57	3871,53	4113,79	4623,46	5635,50	7741,88	13723,5	7741,88	5635,50
70,00	3142,82	3185,13	3390,24	3820,18	4697,94	6620,76	12959,2	6620,76	4697,94
75,00	2490,86	2517,85	2664,63	2986,80	3704,31	5343,30	11938,8	5343,30	3704,31
80,00	1883,58	1888,13	1977,88	2166,13	2652,39	3872,12	10263,8	3872,12	2652,39
85,00	1349,18	1340,63	1364,70	1425,98	1608,64	2192,87	6810,27	2192,87	1608,64

G/C [cd/	135,00	150,00	165,00	180,00	195,00	210,00	225,00	240,00	255,00
45,00	7903,85	7175,42	6809,23	6717,72	6809,23	7175,42	7903,85	9183,10	11452,4
50,00	7058,86	6371,01	6027,03	5943,25	6027,03	6371,01	7058,86	8301,93	10618,0
55,00	6240,05	5598,33	5288,84	5208,11	5288,84	5598,33	6240,05	7420,09	9696,59
60,00	5439,37	4850,58	4569,93	4497,90	4569,93	4850,58	5439,37	6552,78	8779,83
65,00	4623,46	4113,79	3871,53	3816,57	3871,53	4113,79	4623,46	5635,50	7741,88
70,00	3820,18	3390,24	3185,13	3142,82	3185,13	3390,24	3820,18	4697,94	6620,76
75,00	2986,80	2664,63	2517,85	2490,86	2517,85	2664,63	2986,80	3704,31	5343,30
80,00	2166,13	1977,88	1888,13	1883,58	1888,13	1977,88	2166,13	2652,39	3872,12
85,00	1425,98	1364,70	1340,63	1349,18	1340,63	1364,70	1425,98	1608,64	2192,87

G/C [cd/	270,00	285,00	300,00	315,00	330,00	345,00
45,00	15823,9	11452,4	9183,10	7903,85	7175,42	6809,23
50,00	15362,7	10618,0	8301,93	7058,86	6371,01	6027,03
55,00	14865,8	9696,59	7420,09	6240,05	5598,33	5288,84
60,00	14331,8	8779,83	6552,78	5439,37	4850,58	4569,93
65,00	13723,5	7741,88	5635,50	4623,46	4113,79	3871,53
70,00	12959,2	6620,76	4697,94	3820,18	3390,24	3185,13
75,00	11938,8	5343,30	3704,31	2986,80	2664,63	2517,85
80,00	10263,8	3872,12	2652,39	2166,13	1977,88	1888,13
85,00	6810,27	2192,87	1608,64	1425,98	1364,70	1340,63

## HEADQUARTERS

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