

## PHOTOMETRIC RESULTS

<b>Name:</b>	<b>REBA 50 /E EXT LINE L0562 MID+INT SYM BFLEX 840 HO</b>		
<b>Number:</b>	90506+90499L002	<b>Diameter:</b>	0 mm
<b>Report:</b>	23-01-2020	<b>Length:</b>	562 mm
<b>Meas.-no.:</b>	01	<b>Width:</b>	62 mm
<b>Lamp type:</b>	LED 840 - 01	<b>Height:</b>	72 mm
<b>Number:</b>	1	<b>Power:</b>	14,71 W
<b>Lamp flux:</b>	2360,00 lm	<b>Operator:</b>	INDEL AGUE GROUP
<b>Date:</b>	23-01-2020 18:23:07	<b>Output ratio:</b>	64,2 %

## 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
<b>One half peak divergence</b>	108,3°	113,0°
<b>Half peak side angle (left)</b>	-54,2°	-56,5°
<b>Half peak side angle (right)</b>	54,2°	56,5°
<b>One tenth peak divergence</b>	162,0°	173,7°
<b>Tenth peak side angle (left)</b>	-81,0°	-86,9°
<b>Tenth peak side angle (right)</b>	81,0°	86,9°

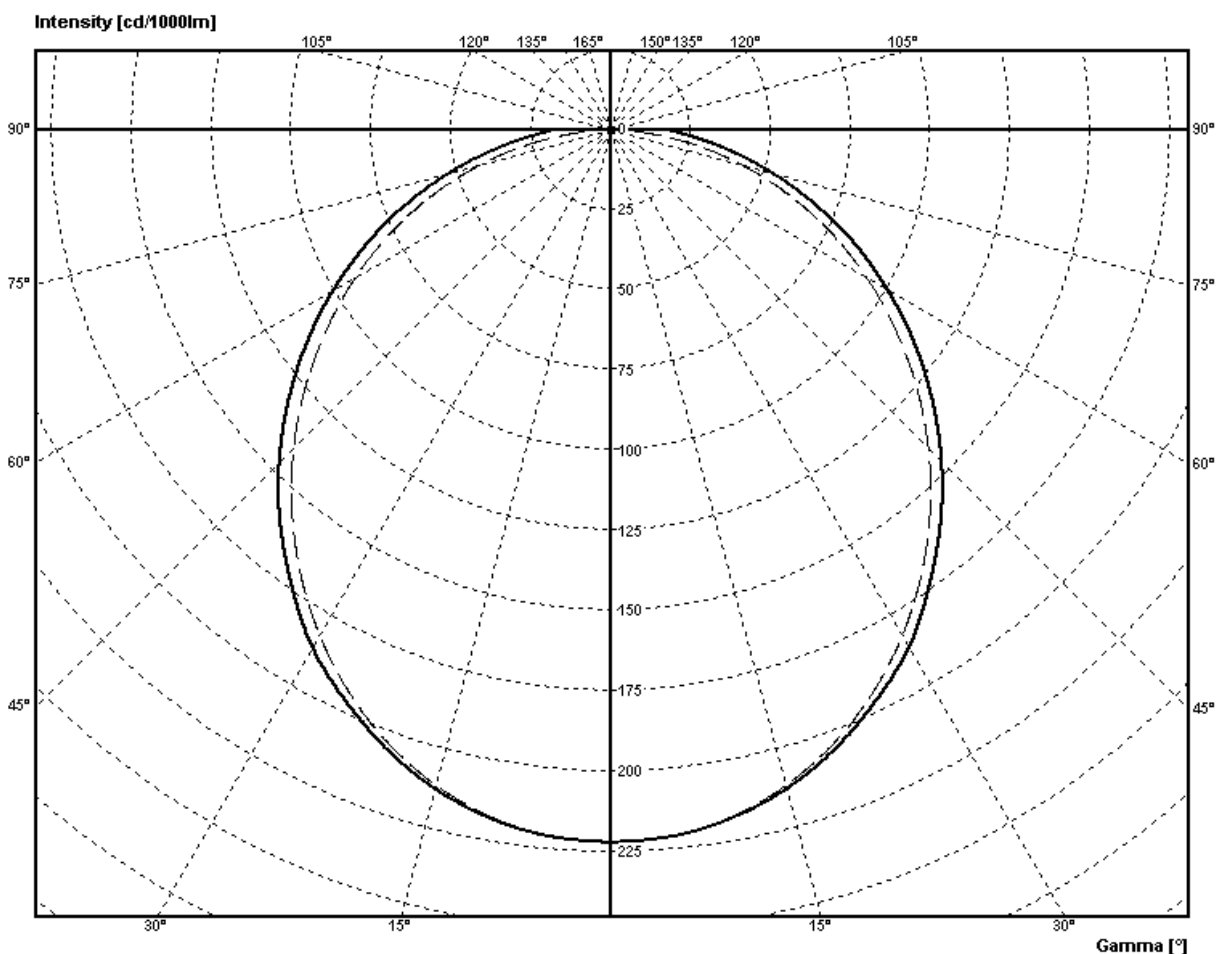
<b>C-planes:</b>	0,0°	15,0°	30,0°	45,0°	60,0°	75,0°	90,0°	105,0°	120,0°	135,0°
	150,0°	165,0°	180,0°	195,0°	210,0°	225,0°	240,0°	255,0°	270,0°	285,0°
	300,0°	315,0°	330,0°	345,0°						

<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 L0562 MID+INT SYM BFLEX 840 HO / Direct in  
15° C / 5° G



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<b>Lamp flux:</b>	2360,00 lm	<b>Operator:</b>	INDEL AGUE GROUP
<b>Date:</b>	23-01-2020 18:23:07	<b>Output ratio:</b>	64,2 %

## 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>	18,5	20,2	18,9	20,5	20,8	20,1	21,8	20,5	22,1	22,4
<b>2H</b>	<b>3H</b>	19,8	21,3	20,2	21,6	22,0	21,6	23,1	22,0	23,5	23,8
<b>2H</b>	<b>4H</b>	20,3	21,7	20,7	22,1	22,4	22,2	23,7	22,6	24,0	24,4
<b>2H</b>	<b>6H</b>	20,7	22,0	21,1	22,4	22,7	22,7	24,0	23,1	24,4	24,8
<b>2H</b>	<b>8H</b>	20,8	22,0	21,2	22,4	22,8	22,8	24,1	23,2	24,4	24,8
<b>2H</b>	<b>12H</b>	20,8	22,1	21,2	22,5	22,9	22,8	24,1	23,2	24,4	24,9
<b>4H</b>	<b>2H</b>	19,2	20,7	19,6	21,0	21,4	20,5	21,9	20,9	22,3	22,6
<b>4H</b>	<b>3H</b>	20,6	21,9	21,0	22,2	22,7	22,1	23,4	22,5	23,8	24,2
<b>4H</b>	<b>4H</b>	21,3	22,4	21,7	22,8	23,2	22,9	24,0	23,3	24,4	24,8
<b>4H</b>	<b>6H</b>	21,7	22,7	22,2	23,1	23,6	23,4	24,4	23,8	24,8	25,2
<b>4H</b>	<b>8H</b>	21,9	22,8	22,3	23,2	23,7	23,5	24,5	24,0	24,9	25,4
<b>4H</b>	<b>12H</b>	22,0	22,9	22,5	23,3	23,8	23,6	24,5	24,1	24,9	25,4
<b>8H</b>	<b>4H</b>	21,5	22,4	22,0	22,9	23,3	23,0	23,9	23,5	24,4	24,8
<b>8H</b>	<b>6H</b>	22,1	22,8	22,5	23,3	23,8	23,6	24,4	24,0	24,8	25,3
<b>8H</b>	<b>8H</b>	22,4	23,1	22,9	23,6	24,0	23,8	24,5	24,3	25,0	25,5
<b>8H</b>	<b>12H</b>	22,6	23,2	23,1	23,7	24,2	24,0	24,6	24,5	25,1	25,6
<b>12H</b>	<b>4H</b>	21,6	22,4	22,0	22,8	23,3	23,0	23,9	23,5	24,3	24,8
<b>12H</b>	<b>6H</b>	22,2	22,9	22,7	23,4	23,8	23,6	24,3	24,2	24,8	25,3
<b>12H</b>	<b>8H</b>	22,5	23,0	23,0	23,5	24,1	23,9	24,5	24,4	25,0	25,5

UGR values are corrected for lamp flux of 2360 lm by 3,0

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Luminance [cd/m<sup>2</sup>] REBA 50 /E EXT LINE L0562 MID+INT SYM BFLEX 840 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	7359,18	7394,94	7721,41	8410,16	9690,17	11879,2	16032,3	11879,2	9690,17
50,00	6505,53	6543,39	6868,17	7496,66	8684,71	10916,8	15340,7	10916,8	8684,71
55,00	5696,59	5728,09	6001,56	6632,65	7737,07	9930,20	14570,5	9930,20	7737,07
60,00	4918,31	4942,36	5194,66	5739,88	6796,39	8866,27	13763,9	8866,27	6796,39
65,00	4168,72	4182,05	4399,30	4870,69	5827,41	7700,75	12807,5	7700,75	5827,41
70,00	3419,74	3434,25	3610,74	4008,72	4805,40	6507,65	11611,3	6507,65	4805,40
75,00	2696,19	2699,74	2825,65	3128,68	3774,16	5135,75	10044,1	5135,75	3774,16
80,00	2013,93	2002,71	2085,03	2256,36	2677,94	3659,05	7751,22	3659,05	2677,94
85,00	1405,36	1384,05	1408,18	1456,83	1627,90	2037,25	3979,12	2037,25	1627,90

G/C [cd/	135,00	150,00	165,00	180,00	195,00	210,00	225,00	240,00	255,00
45,00	8410,16	7721,41	7394,94	7359,18	7394,94	7721,41	8410,16	9690,17	11879,2
50,00	7496,66	6868,17	6543,39	6505,53	6543,39	6868,17	7496,66	8684,71	10916,8
55,00	6632,65	6001,56	5728,09	5696,59	5728,09	6001,56	6632,65	7737,07	9930,20
60,00	5739,88	5194,66	4942,36	4918,31	4942,36	5194,66	5739,88	6796,39	8866,27
65,00	4870,69	4399,30	4182,05	4168,72	4182,05	4399,30	4870,69	5827,41	7700,75
70,00	4008,72	3610,74	3434,25	3419,74	3434,25	3610,74	4008,72	4805,40	6507,65
75,00	3128,68	2825,65	2699,74	2696,19	2699,74	2825,65	3128,68	3774,16	5135,75
80,00	2256,36	2085,03	2002,71	2013,93	2002,71	2085,03	2256,36	2677,94	3659,05
85,00	1456,83	1408,18	1384,05	1405,36	1384,05	1408,18	1456,83	1627,90	2037,25

G/C [cd/	270,00	285,00	300,00	315,00	330,00	345,00
45,00	16032,3	11879,2	9690,17	8410,16	7721,41	7394,94
50,00	15340,7	10916,8	8684,71	7496,66	6868,17	6543,39
55,00	14570,5	9930,20	7737,07	6632,65	6001,56	5728,09
60,00	13763,9	8866,27	6796,39	5739,88	5194,66	4942,36
65,00	12807,5	7700,75	5827,41	4870,69	4399,30	4182,05
70,00	11611,3	6507,65	4805,40	4008,72	3610,74	3434,25
75,00	10044,1	5135,75	3774,16	3128,68	2825,65	2699,74
80,00	7751,22	3659,05	2677,94	2256,36	2085,03	2002,71
85,00	3979,12	2037,25	1627,90	1456,83	1408,18	1384,05

## HEADQUARTERS

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