

**PHOTOMETRIC RESULTS**

<b>Name:</b>	<b>REBA _E LED Line 47W bLINE [1402mm]</b>		
<b>Number:</b>	01	<b>Diameter:</b>	0 mm
<b>Report:</b>	03-02-2017	<b>Length:</b>	1402 mm
<b>Meas.-no.:</b>	01	<b>Width:</b>	62 mm
<b>Lamp type:</b>	LED 840 - 01	<b>Height:</b>	85 mm
<b>Number:</b>	1	<b>Power:</b>	46,98 W
<b>Lamp flux:</b>	6450,00 lm	<b>Operator:</b>	INDELAGUE GROUP
<b>Date:</b>	03-02-2017 14:21:42	<b>Output ratio:</b>	57,5 %

**Protocol**

**LiTG-class:** A40  
**UTE-class:** 0,58 E  
**IES-class:** 50 - 81 - 96 - 100 - 58  
**TM5-class:** BZ4

**Divergences in the plane through maximum intensity:**

	Horizontal	Vertical
<b>One half peak divergence</b>	103,4°	98,8°
<b>Half peak side angle (left)</b>	-51,7°	-49,4°
<b>Half peak side angle (right)</b>	51,7°	49,4°
<b>One tenth peak divergence</b>	158,6°	157,6°
<b>Tenth peak side angle (left)</b>	-79,3°	-78,8°
<b>Tenth peak side angle (right)</b>	79,3°	78,8°

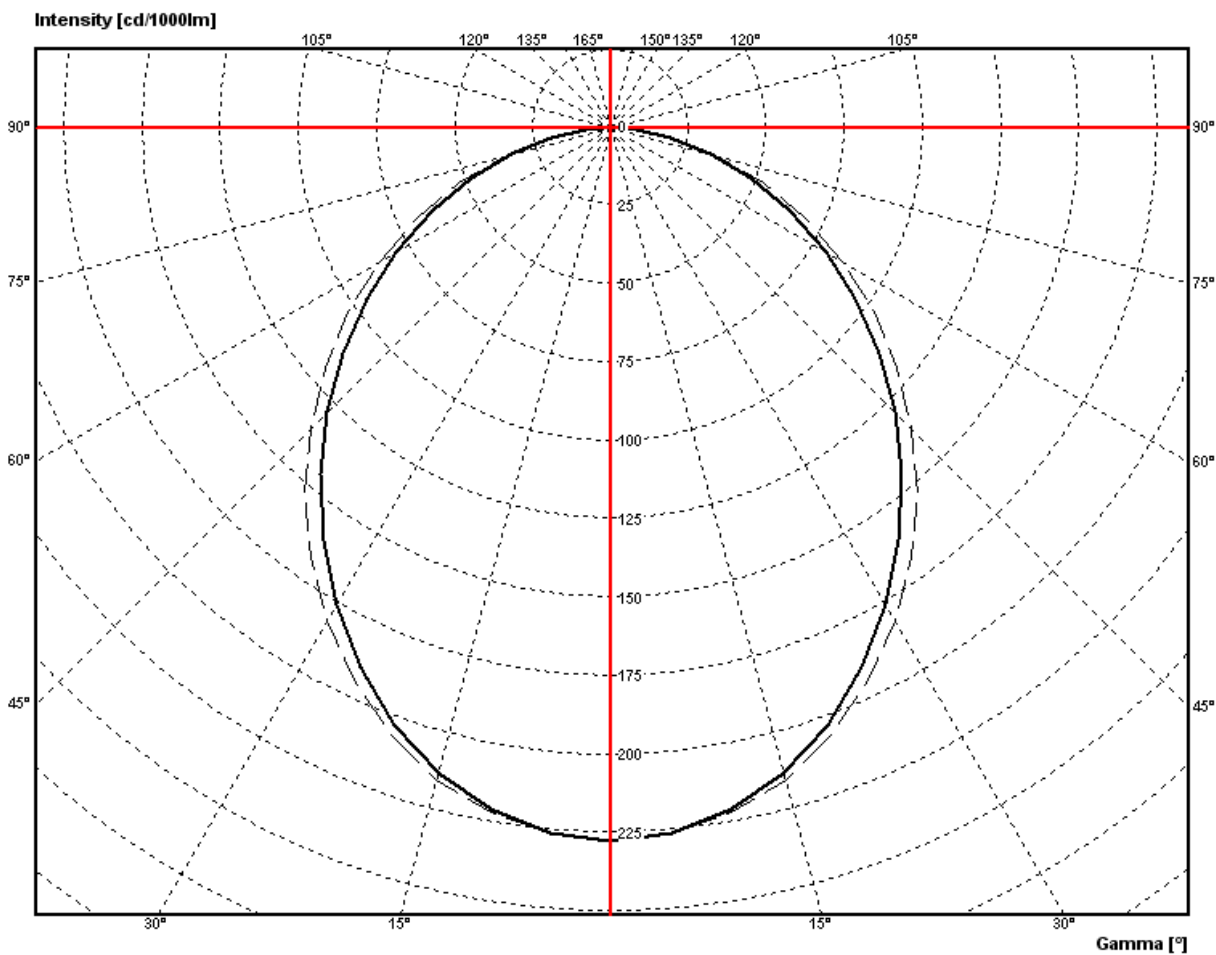
<b>C-planes:</b>	0,0°	15,0°	30,0°	45,0°	60,0°	75,0°	90,0°	105,0°	120,0°	135,0°
	150,0°	165,0°	180,0°	195,0°	210,0°	225,0°	240,0°	255,0°	270,0°	285,0°
	300,0°	315,0°	330,0°	345,0°						

<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 \_E LED Line 47W bLINE [1402mm] / 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>	17,8	19,4	18,1	19,7	20,0	20,4	22,0	20,7	22,3	22,6
<b>2H</b>	<b>3H</b>	18,7	20,2	19,1	20,5	20,8	21,8	23,2	22,2	23,6	23,9
<b>2H</b>	<b>4H</b>	19,0	20,4	19,4	20,7	21,1	22,3	23,7	22,7	24,0	24,4
<b>2H</b>	<b>6H</b>	19,2	20,4	19,6	20,8	21,2	22,7	24,0	23,1	24,4	24,7
<b>2H</b>	<b>8H</b>	19,2	20,4	19,6	20,8	21,2	22,8	24,0	23,2	24,4	24,8
<b>2H</b>	<b>12H</b>	19,1	20,3	19,6	20,7	21,1	22,8	24,0	23,3	24,4	24,8
<b>4H</b>	<b>2H</b>	18,5	19,8	18,9	20,2	20,6	20,6	22,0	21,0	22,3	22,7
<b>4H</b>	<b>3H</b>	19,5	20,7	19,9	21,1	21,5	22,1	23,3	22,5	23,7	24,1
<b>4H</b>	<b>4H</b>	19,9	20,9	20,3	21,4	21,8	22,8	23,8	23,2	24,2	24,7
<b>4H</b>	<b>6H</b>	20,1	21,0	20,6	21,5	21,9	23,2	24,1	23,7	24,6	25,0
<b>4H</b>	<b>8H</b>	20,1	21,0	20,6	21,5	21,9	23,3	24,2	23,8	24,6	25,1
<b>4H</b>	<b>12H</b>	20,2	21,0	20,6	21,4	21,9	23,4	24,2	23,9	24,7	25,2
<b>8H</b>	<b>4H</b>	20,1	21,0	20,6	21,4	21,9	22,8	23,7	23,3	24,1	24,6
<b>8H</b>	<b>6H</b>	20,4	21,1	20,8	21,5	22,0	23,2	24,0	23,7	24,4	24,9
<b>8H</b>	<b>8H</b>	20,5	21,1	21,0	21,6	22,1	23,5	24,1	24,0	24,6	25,1
<b>8H</b>	<b>12H</b>	20,5	21,1	21,0	21,6	22,1	23,6	24,1	24,1	24,6	25,1
<b>12H</b>	<b>4H</b>	20,1	20,9	20,6	21,4	21,9	22,8	23,6	23,3	24,0	24,5
<b>12H</b>	<b>6H</b>	20,4	21,1	20,9	21,6	22,1	23,3	23,9	23,8	24,4	24,9
<b>12H</b>	<b>8H</b>	20,5	21,1	21,0	21,6	22,1	23,5	24,0	24,0	24,5	25,0

UGR values are corrected for lamp flux of 6450 lm by 6,5

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Luminance [cd/m<sup>2</sup>] REBA \_E LED Line 47W bLINE [1402mm] / 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	6363,98	6494,75	6990,46	7942,71	9602,81	12467,6	18129,5	12467,6	9602,81
50,00	5424,51	5538,62	6003,27	6884,59	8447,94	11284,3	17335,5	11284,3	8447,94
55,00	4563,95	4666,40	5079,76	5880,36	7337,90	10070,2	16448,3	10070,2	7337,90
60,00	3765,28	3850,47	4214,43	4919,64	6239,63	8824,55	15482,8	8824,55	6239,63
65,00	2999,14	3078,01	3382,99	3988,82	5139,01	7495,56	14347,9	7495,56	5139,01
70,00	2286,52	2341,96	2582,31	3068,47	4016,58	6067,24	12947,4	6067,24	4016,58
75,00	1604,25	1643,43	1816,49	2176,26	2892,31	4533,28	11166,9	4533,28	2892,31
80,00	977,72	997,96	1111,45	1326,60	1800,54	2913,58	8859,63	2913,58	1800,54
85,00	440,37	432,54	490,10	582,09	812,44	1345,38	5859,36	1345,38	812,44

G/C [cd/	135,00	150,00	165,00	180,00	195,00	210,00	225,00	240,00	255,00
45,00	7942,71	6990,46	6494,75	6363,98	6494,75	6990,46	7942,71	9602,81	12467,6
50,00	6884,59	6003,27	5538,62	5424,51	5538,62	6003,27	6884,59	8447,94	11284,3
55,00	5880,36	5079,76	4666,40	4563,95	4666,40	5079,76	5880,36	7337,90	10070,2
60,00	4919,64	4214,43	3850,47	3765,28	3850,47	4214,43	4919,64	6239,63	8824,55
65,00	3988,82	3382,99	3078,01	2999,14	3078,01	3382,99	3988,82	5139,01	7495,56
70,00	3068,47	2582,31	2341,96	2286,52	2341,96	2582,31	3068,47	4016,58	6067,24
75,00	2176,26	1816,49	1643,43	1604,25	1643,43	1816,49	2176,26	2892,31	4533,28
80,00	1326,60	1111,45	997,96	977,72	997,96	1111,45	1326,60	1800,54	2913,58
85,00	582,09	490,10	432,54	440,37	432,54	490,10	582,09	812,44	1345,38

G/C [cd/	270,00	285,00	300,00	315,00	330,00	345,00
45,00	18129,5	12467,6	9602,81	7942,71	6990,46	6494,75
50,00	17335,5	11284,3	8447,94	6884,59	6003,27	5538,62
55,00	16448,3	10070,2	7337,90	5880,36	5079,76	4666,40
60,00	15482,8	8824,55	6239,63	4919,64	4214,43	3850,47
65,00	14347,9	7495,56	5139,01	3988,82	3382,99	3078,01
70,00	12947,4	6067,24	4016,58	3068,47	2582,31	2341,96
75,00	11166,9	4533,28	2892,31	2176,26	1816,49	1643,43
80,00	8859,63	2913,58	1800,54	1326,60	1111,45	997,96
85,00	5859,36	1345,38	812,44	582,09	490,10	432,54

## HEADQUARTERS

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