

**PHOTOMETRIC RESULTS**

<b>Name:</b>	<b>REBA _E LED 39W bLINE [1138mm]</b>		
<b>Number:</b>	01	<b>Diameter:</b>	0 mm
<b>Report:</b>	06-02-2017	<b>Length:</b>	1138 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>	38,62 W
<b>Lamp flux:</b>	5160,00 lm	<b>Operator:</b>	INDEL AGUE GROUP
<b>Date:</b>	06-02-2017 14:56:48	<b>Output ratio:</b>	59,4 %

**Protocol**

**LiTG-class:** A40  
**UTE-class:** 0,59 D  
**IES-class:** 51 - 81 - 96 - 100 - 59  
**TM5-class:** BZ4

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

	Horizontal	Vertical
<b>One half peak divergence</b>	101,5°	96,3°
<b>Half peak side angle (left)</b>	-50,8°	-48,2°
<b>Half peak side angle (right)</b>	50,8°	48,2°
<b>One tenth peak divergence</b>	157,8°	156,5°
<b>Tenth peak side angle (left)</b>	-78,9°	-78,3°
<b>Tenth peak side angle (right)</b>	78,9°	78,3°

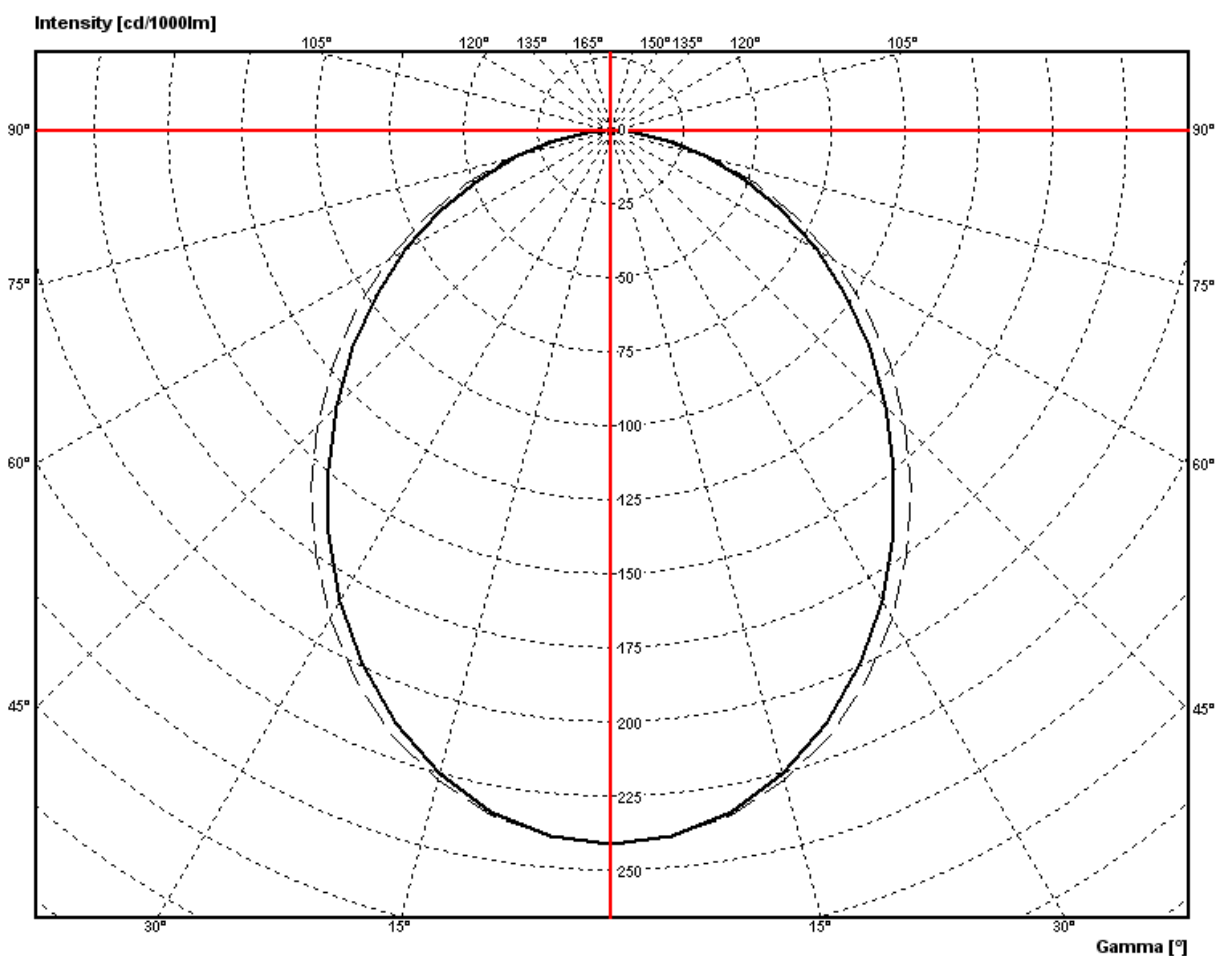
<b>C-planes:</b>	0,0°	15,0°	30,0°	45,0°	60,0°	75,0°	90,0°	105,0°	120,0°	135,0°
	150,0°	165,0°	180,0°	195,0°	210,0°	225,0°	240,0°	255,0°	270,0°	285,0°
	300,0°	315,0°	330,0°	345,0°						

<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 \_E LED 39W bLINE [1138mm] / 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>	17,8	19,4	18,2	19,7	20,0	20,4	22,0	20,8	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	20,3	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	23,9	23,1	24,3	24,7
<b>2H</b>	<b>8H</b>	19,1	20,4	19,6	20,7	21,1	22,8	24,0	23,2	24,3	24,7
<b>2H</b>	<b>12H</b>	19,1	20,3	19,5	20,7	21,1	22,8	24,0	23,2	24,3	24,8
<b>4H</b>	<b>2H</b>	18,5	19,9	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	21,0	21,5	22,1	23,3	22,5	23,7	24,1
<b>4H</b>	<b>4H</b>	19,9	20,9	20,3	21,3	21,8	22,8	23,8	23,2	24,2	24,6
<b>4H</b>	<b>6H</b>	20,1	21,0	20,5	21,4	21,9	23,1	24,1	23,6	24,5	24,9
<b>4H</b>	<b>8H</b>	20,1	21,0	20,6	21,4	21,9	23,3	24,1	23,7	24,6	25,0
<b>4H</b>	<b>12H</b>	20,1	20,9	20,6	21,4	21,9	23,4	24,2	23,8	24,6	25,1
<b>8H</b>	<b>4H</b>	20,1	20,9	20,6	21,4	21,8	22,8	23,6	23,2	24,1	24,5
<b>8H</b>	<b>6H</b>	20,3	21,0	20,8	21,5	22,0	23,2	23,9	23,7	24,4	24,9
<b>8H</b>	<b>8H</b>	20,4	21,1	21,0	21,6	22,1	23,4	24,0	23,9	24,5	25,0
<b>8H</b>	<b>12H</b>	20,5	21,0	21,0	21,5	22,0	23,5	24,0	24,0	24,5	25,0
<b>12H</b>	<b>4H</b>	20,1	20,9	20,6	21,3	21,8	22,8	23,5	23,2	24,0	24,5
<b>12H</b>	<b>6H</b>	20,4	21,0	20,9	21,5	22,0	23,2	23,9	23,8	24,4	24,9
<b>12H</b>	<b>8H</b>	20,5	21,0	21,0	21,5	22,0	23,4	23,9	23,9	24,4	24,9

UGR values are corrected for lamp flux of 5160 lm by 5,7

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**Luminance [cd/m<sup>2</sup>] REBA \_E LED 39W bLINE [1138mm] / 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	6524,06	6642,80	7163,43	8138,12	9843,97	12771,2	18484,7	12771,2	9843,97
50,00	5526,95	5644,22	6112,90	7022,98	8626,37	11495,6	17539,9	11495,6	8626,37
55,00	4622,42	4732,89	5146,40	5969,68	7445,56	10208,5	16535,2	10208,5	7445,56
60,00	3805,87	3887,01	4255,83	4977,82	6306,69	8894,41	15443,7	8894,41	6306,69
65,00	3028,61	3101,07	3404,58	4019,16	5163,86	7530,91	14180,4	7530,91	5163,86
70,00	2292,12	2349,03	2593,06	3080,36	4030,28	6062,39	12693,5	6062,39	4030,28
75,00	1603,02	1640,96	1819,97	2169,72	2880,82	4494,55	10755,2	4494,55	2880,82
80,00	970,68	989,75	1104,84	1318,39	1785,84	2871,06	8369,88	2871,06	1785,84
85,00	429,14	430,38	490,23	575,21	805,15	1325,91	5292,74	1325,91	805,15

G/C [cd/	135,00	150,00	165,00	180,00	195,00	210,00	225,00	240,00	255,00
45,00	8138,12	7163,43	6642,80	6524,06	6642,80	7163,43	8138,12	9843,97	12771,2
50,00	7022,98	6112,90	5644,22	5526,95	5644,22	6112,90	7022,98	8626,37	11495,6
55,00	5969,68	5146,40	4732,89	4622,42	4732,89	5146,40	5969,68	7445,56	10208,5
60,00	4977,82	4255,83	3887,01	3805,87	3887,01	4255,83	4977,82	6306,69	8894,41
65,00	4019,16	3404,58	3101,07	3028,61	3101,07	3404,58	4019,16	5163,86	7530,91
70,00	3080,36	2593,06	2349,03	2292,12	2349,03	2593,06	3080,36	4030,28	6062,39
75,00	2169,72	1819,97	1640,96	1603,02	1640,96	1819,97	2169,72	2880,82	4494,55
80,00	1318,39	1104,84	989,75	970,68	989,75	1104,84	1318,39	1785,84	2871,06
85,00	575,21	490,23	430,38	429,14	430,38	490,23	575,21	805,15	1325,91

G/C [cd/	270,00	285,00	300,00	315,00	330,00	345,00
45,00	18484,7	12771,2	9843,97	8138,12	7163,43	6642,80
50,00	17539,9	11495,6	8626,37	7022,98	6112,90	5644,22
55,00	16535,2	10208,5	7445,56	5969,68	5146,40	4732,89
60,00	15443,7	8894,41	6306,69	4977,82	4255,83	3887,01
65,00	14180,4	7530,91	5163,86	4019,16	3404,58	3101,07
70,00	12693,5	6062,39	4030,28	3080,36	2593,06	2349,03
75,00	10755,2	4494,55	2880,82	2169,72	1819,97	1640,96
80,00	8369,88	2871,06	1785,84	1318,39	1104,84	989,75
85,00	5292,74	1325,91	805,15	575,21	490,23	430,38

**HEADQUARTERS**

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