

**PHOTOMETRIC RESULTS**

<b>Name:</b>	<b>REBA _E LED Line 24W bGLARE [842mm]</b>		
<b>Number:</b>	01	<b>Diameter:</b>	0 mm
<b>Report:</b>	09-02-2018	<b>Length:</b>	842 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>	23,89 W
<b>Lamp flux:</b>	3039,00 lm	<b>Operator:</b>	INDELAGUE GROUP
<b>Date:</b>	09-02-2018 8:54:48	<b>Output ratio:</b>	59,7 %

**Protocol**

**LiTG-class:** A50  
**UTE-class:** 0,60 C  
**IES-class:** 66 - 90 - 98 - 100 - 60  
**TM5-class:** B22

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

	Horizontal	Vertical
<b>One half peak divergence</b>	75,2°	75,3°
<b>Half peak side angle (left)</b>	-37,6°	-37,6°
<b>Half peak side angle (right)</b>	37,6°	37,6°
<b>One tenth peak divergence</b>	128,1°	130,3°
<b>Tenth peak side angle (left)</b>	-64,1°	-65,2°
<b>Tenth peak side angle (right)</b>	64,1°	65,2°

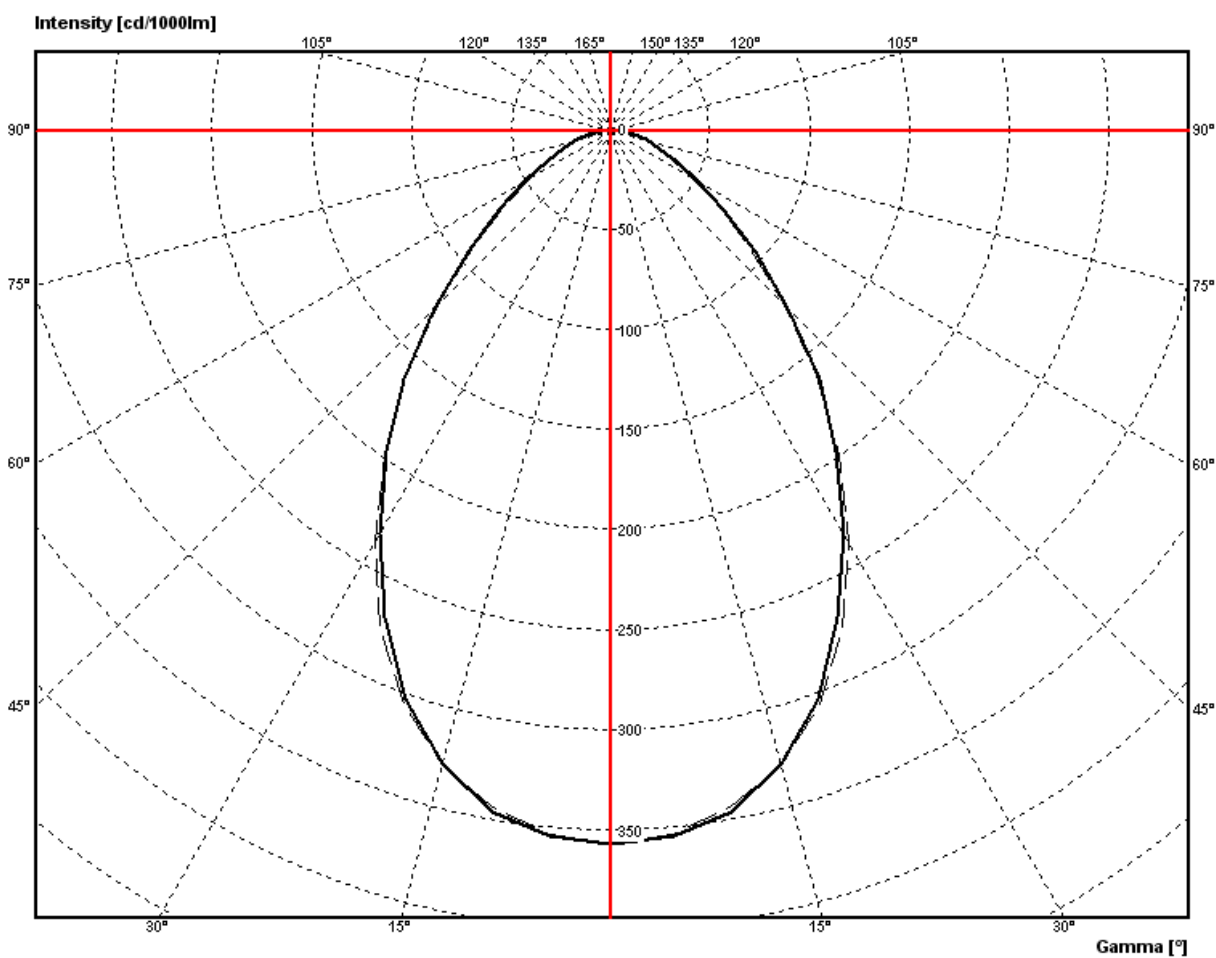
<b>C-planes:</b>	0,0°	15,0°	30,0°	45,0°	60,0°	75,0°	90,0°	105,0°	120,0°	135,0°
	150,0°	165,0°	180,0°	195,0°	210,0°	225,0°	240,0°	255,0°	270,0°	285,0°
	300,0°	315,0°	330,0°	345,0°						

<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 \_E LED Line 24W bGLARE [842mm] / 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>	15,7	17,1	16,1	17,4	17,8	17,5	18,9	17,8	19,2	19,5
<b>2H</b>	<b>3H</b>	16,1	17,3	16,5	17,7	18,0	18,0	19,3	18,4	19,6	19,9
<b>2H</b>	<b>4H</b>	16,2	17,4	16,6	17,7	18,1	18,2	19,4	18,6	19,8	20,1
<b>2H</b>	<b>6H</b>	16,3	17,3	16,7	17,7	18,1	18,4	19,5	18,8	19,9	20,3
<b>2H</b>	<b>8H</b>	16,2	17,3	16,6	17,6	18,1	18,5	19,5	18,9	19,9	20,3
<b>2H</b>	<b>12H</b>	16,2	17,2	16,6	17,6	18,0	18,5	19,5	18,9	19,8	20,3
<b>4H</b>	<b>2H</b>	16,0	17,2	16,4	17,5	17,9	17,5	18,7	17,9	19,0	19,4
<b>4H</b>	<b>3H</b>	16,4	17,4	16,8	17,8	18,2	18,1	19,1	18,6	19,5	19,9
<b>4H</b>	<b>4H</b>	16,7	17,5	17,1	17,9	18,4	18,5	19,3	18,9	19,8	20,2
<b>4H</b>	<b>6H</b>	16,7	17,5	17,2	17,9	18,4	18,7	19,4	19,1	19,9	20,3
<b>4H</b>	<b>8H</b>	16,7	17,4	17,2	17,9	18,4	18,8	19,5	19,2	19,9	20,4
<b>4H</b>	<b>12H</b>	16,7	17,4	17,2	17,8	18,3	18,8	19,5	19,3	19,9	20,4
<b>8H</b>	<b>4H</b>	16,7	17,4	17,1	17,8	18,3	18,4	19,1	18,9	19,6	20,0
<b>8H</b>	<b>6H</b>	16,8	17,4	17,3	17,8	18,3	18,6	19,3	19,1	19,7	20,2
<b>8H</b>	<b>8H</b>	16,9	17,4	17,4	17,9	18,4	18,8	19,3	19,3	19,8	20,3
<b>8H</b>	<b>12H</b>	16,9	17,3	17,4	17,8	18,3	18,9	19,3	19,4	19,8	20,3
<b>12H</b>	<b>4H</b>	16,7	17,3	17,1	17,8	18,3	18,4	19,1	18,9	19,5	20,0
<b>12H</b>	<b>6H</b>	16,8	17,3	17,3	17,8	18,3	18,7	19,2	19,2	19,7	20,2
<b>12H</b>	<b>8H</b>	16,9	17,3	17,4	17,8	18,3	18,8	19,2	19,3	19,7	20,2

UGR values are corrected for lamp flux of 3039 lm by 3,9

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Luminance [cd/m<sup>2</sup>] REBA \_E LED Line 24W bGLARE [842mm] / 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	4868,07	5000,18	5405,88	6050,21	7053,43	8774,78	12387,5	8774,78	7053,43
50,00	3588,16	3641,64	3957,50	4456,47	5262,86	6609,49	9830,42	6609,49	5262,86
55,00	2580,38	2594,27	2889,45	3237,79	3839,80	4936,94	7788,23	4936,94	3839,80
60,00	1866,14	1846,30	2088,48	2342,63	2772,68	3696,00	6230,15	3696,00	2772,68
65,00	1343,31	1345,64	1502,22	1672,75	2023,26	2757,80	5040,19	2757,80	2023,26
70,00	974,95	990,87	1076,05	1199,48	1482,78	2102,45	4157,91	2102,45	1482,78
75,00	687,11	700,39	751,21	837,32	1071,12	1600,70	3598,49	1600,70	1071,12
80,00	441,39	441,19	487,00	535,19	708,70	1100,04	2967,47	1100,04	708,70
85,00	207,44	211,80	236,32	256,17	333,84	539,07	1897,38	539,07	333,84

G/C [cd/	135,00	150,00	165,00	180,00	195,00	210,00	225,00	240,00	255,00
45,00	6050,21	5405,88	5000,18	4868,07	5000,18	5405,88	6050,21	7053,43	8774,78
50,00	4456,47	3957,50	3641,64	3588,16	3641,64	3957,50	4456,47	5262,86	6609,49
55,00	3237,79	2889,45	2594,27	2580,38	2594,27	2889,45	3237,79	3839,80	4936,94
60,00	2342,63	2088,48	1846,30	1866,14	1846,30	2088,48	2342,63	2772,68	3696,00
65,00	1672,75	1502,22	1345,64	1343,31	1345,64	1502,22	1672,75	2023,26	2757,80
70,00	1199,48	1076,05	990,87	974,95	990,87	1076,05	1199,48	1482,78	2102,45
75,00	837,32	751,21	700,39	687,11	700,39	751,21	837,32	1071,12	1600,70
80,00	535,19	487,00	441,19	441,39	441,19	487,00	535,19	708,70	1100,04
85,00	256,17	236,32	211,80	207,44	211,80	236,32	256,17	333,84	539,07

G/C [cd/	270,00	285,00	300,00	315,00	330,00	345,00
45,00	12387,5	8774,78	7053,43	6050,21	5405,88	5000,18
50,00	9830,42	6609,49	5262,86	4456,47	3957,50	3641,64
55,00	7788,23	4936,94	3839,80	3237,79	2889,45	2594,27
60,00	6230,15	3696,00	2772,68	2342,63	2088,48	1846,30
65,00	5040,19	2757,80	2023,26	1672,75	1502,22	1345,64
70,00	4157,91	2102,45	1482,78	1199,48	1076,05	990,87
75,00	3598,49	1600,70	1071,12	837,32	751,21	700,39
80,00	2967,47	1100,04	708,70	535,19	487,00	441,19
85,00	1897,38	539,07	333,84	256,17	236,32	211,80

## HEADQUARTERS

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