

**PHOTOMETRIC RESULTS**

<b>Name:</b>	<b>REBA 65 LED Line 24W bGLARE [842mm]</b>		
<b>Number:</b>	01	<b>Diameter:</b>	0 mm
<b>Report:</b>	03-02-2017	<b>Length:</b>	842 mm
<b>Meas.-no.:</b>	01	<b>Width:</b>	65 mm
<b>Lamp type:</b>	LED 840 - 01	<b>Height:</b>	80 mm
<b>Number:</b>	1	<b>Power:</b>	23,89 W
<b>Lamp flux:</b>	3039,00 lm	<b>Operator:</b>	INDEL AGUE GROUP
<b>Date:</b>	03-02-2017 9:19:52	<b>Output ratio:</b>	63,1 %

**Protocol**

**LiTG-class:** A40  
**UTE-class:** 0,64 E  
**IES-class:** 50 - 81 - 96 - 100 - 64  
**TM5-class:** BZ4

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

	Horizontal	Vertical
<b>One half peak divergence</b>	103,5°	99,7°
<b>Half peak side angle (left)</b>	-51,8°	-49,9°
<b>Half peak side angle (right)</b>	51,8°	49,9°
<b>One tenth peak divergence</b>	158,3°	157,3°
<b>Tenth peak side angle (left)</b>	-79,2°	-78,6°
<b>Tenth peak side angle (right)</b>	79,2°	78,6°

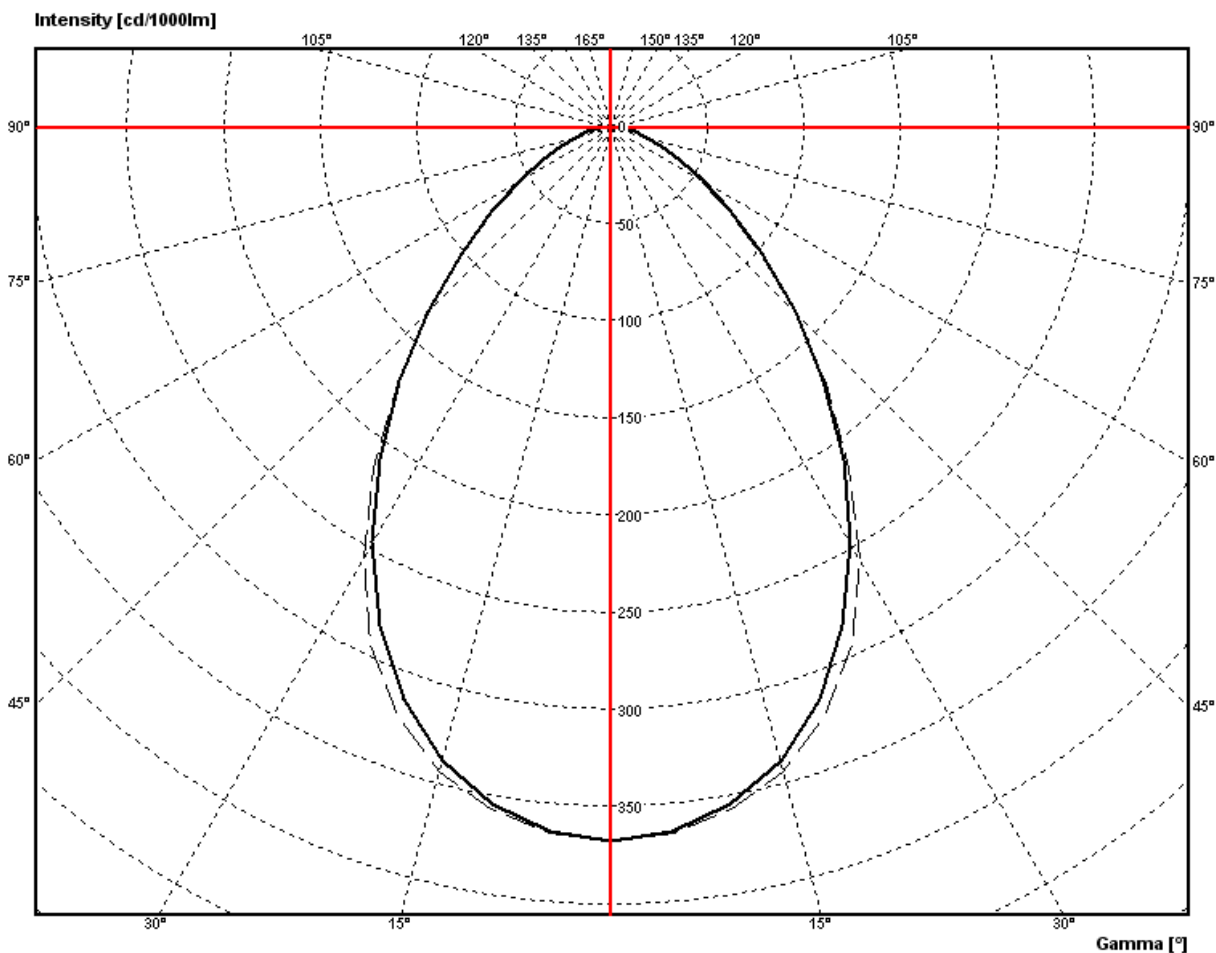
<b>C-planes:</b>	0,0°	15,0°	30,0°	45,0°	60,0°	75,0°	90,0°	105,0°	120,0°	135,0°
	150,0°	165,0°	180,0°	195,0°	210,0°	225,0°	240,0°	255,0°	270,0°	285,0°
	300,0°	315,0°	330,0°	345,0°						

<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 65 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>	18,0	19,6	18,4	19,9	20,2	20,2	21,8	20,5	22,1	22,4
<b>2H</b>	<b>3H</b>	19,0	20,4	19,3	20,8	21,1	21,6	23,0	21,9	23,4	23,7
<b>2H</b>	<b>4H</b>	19,3	20,6	19,7	21,0	21,3	22,1	23,5	22,5	23,8	24,2
<b>2H</b>	<b>6H</b>	19,4	20,7	19,8	21,1	21,5	22,5	23,8	22,9	24,1	24,5
<b>2H</b>	<b>8H</b>	19,4	20,7	19,8	21,0	21,4	22,6	23,8	23,0	24,2	24,6
<b>2H</b>	<b>12H</b>	19,4	20,6	19,8	21,0	21,4	22,6	23,8	23,0	24,2	24,6
<b>4H</b>	<b>2H</b>	18,7	20,1	19,1	20,4	20,8	20,5	21,8	20,8	22,2	22,5
<b>4H</b>	<b>3H</b>	19,8	20,9	20,2	21,3	21,7	22,0	23,1	22,4	23,5	23,9
<b>4H</b>	<b>4H</b>	20,2	21,2	20,6	21,6	22,1	22,6	23,7	23,1	24,1	24,5
<b>4H</b>	<b>6H</b>	20,4	21,3	20,8	21,7	22,2	23,0	24,0	23,5	24,4	24,8
<b>4H</b>	<b>8H</b>	20,4	21,3	20,9	21,7	22,2	23,2	24,0	23,6	24,5	24,9
<b>4H</b>	<b>12H</b>	20,4	21,2	20,9	21,7	22,2	23,3	24,0	23,7	24,5	25,0
<b>8H</b>	<b>4H</b>	20,4	21,2	20,8	21,7	22,1	22,7	23,5	23,1	24,0	24,4
<b>8H</b>	<b>6H</b>	20,6	21,3	21,1	21,8	22,3	23,1	23,8	23,6	24,3	24,8
<b>8H</b>	<b>8H</b>	20,8	21,4	21,3	21,9	22,4	23,3	23,9	23,8	24,5	24,9
<b>8H</b>	<b>12H</b>	20,8	21,3	21,3	21,8	22,3	23,4	24,0	23,9	24,5	25,0
<b>12H</b>	<b>4H</b>	20,4	21,2	20,9	21,6	22,1	22,7	23,5	23,1	23,9	24,4
<b>12H</b>	<b>6H</b>	20,7	21,3	21,2	21,8	22,3	23,2	23,8	23,7	24,3	24,8
<b>12H</b>	<b>8H</b>	20,8	21,3	21,3	21,8	22,3	23,3	23,9	23,8	24,4	24,9

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

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Luminance [cd/m<sup>2</sup>] REBA 65 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	4860,28	4874,65	5199,00	5778,41	6625,79	7923,46	10285,6	7923,46	6625,79
50,00	3623,63	3627,51	3840,12	4284,50	4992,48	6070,66	8305,04	6070,66	4992,48
55,00	2677,27	2648,74	2814,23	3133,45	3663,83	4563,21	6504,72	4563,21	3663,83
60,00	1958,15	1903,65	2086,23	2295,54	2672,48	3450,89	5178,02	3450,89	2672,48
65,00	1437,86	1386,81	1517,22	1685,89	1949,64	2616,12	4223,91	2616,12	1949,64
70,00	1027,90	1032,31	1110,07	1217,36	1422,94	1967,48	3456,39	1967,48	1422,94
75,00	730,66	763,42	806,68	889,04	1039,74	1486,07	2853,87	1486,07	1039,74
80,00	499,55	510,25	548,82	579,27	719,42	1054,68	2412,45	1054,68	719,42
85,00	269,83	268,46	294,22	308,28	387,74	584,62	1625,16	584,62	387,74

G/C [cd/	135,00	150,00	165,00	180,00	195,00	210,00	225,00	240,00	255,00
45,00	5778,41	5199,00	4874,65	4860,28	4874,65	5199,00	5778,41	6625,79	7923,46
50,00	4284,50	3840,12	3627,51	3623,63	3627,51	3840,12	4284,50	4992,48	6070,66
55,00	3133,45	2814,23	2648,74	2677,27	2648,74	2814,23	3133,45	3663,83	4563,21
60,00	2295,54	2086,23	1903,65	1958,15	1903,65	2086,23	2295,54	2672,48	3450,89
65,00	1685,89	1517,22	1386,81	1437,86	1386,81	1517,22	1685,89	1949,64	2616,12
70,00	1217,36	1110,07	1032,31	1027,90	1032,31	1110,07	1217,36	1422,94	1967,48
75,00	889,04	806,68	763,42	730,66	763,42	806,68	889,04	1039,74	1486,07
80,00	579,27	548,82	510,25	499,55	510,25	548,82	579,27	719,42	1054,68
85,00	308,28	294,22	268,46	269,83	268,46	294,22	308,28	387,74	584,62

G/C [cd/	270,00	285,00	300,00	315,00	330,00	345,00
45,00	10285,6	7923,46	6625,79	5778,41	5199,00	4874,65
50,00	8305,04	6070,66	4992,48	4284,50	3840,12	3627,51
55,00	6504,72	4563,21	3663,83	3133,45	2814,23	2648,74
60,00	5178,02	3450,89	2672,48	2295,54	2086,23	1903,65
65,00	4223,91	2616,12	1949,64	1685,89	1517,22	1386,81
70,00	3456,39	1967,48	1422,94	1217,36	1110,07	1032,31
75,00	2853,87	1486,07	1039,74	889,04	806,68	763,42
80,00	2412,45	1054,68	719,42	579,27	548,82	510,25
85,00	1625,16	584,62	387,74	308,28	294,22	268,46

**HEADQUARTERS**

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