

**PHOTOMETRIC RESULTS**

<b>Name:</b>	<b>REBA D/I LED 68W bGLARE [1688mm]</b>		
<b>Number:</b>	01	<b>Diameter:</b>	0 mm
<b>Report:</b>	14-02-2018	<b>Length:</b>	1688 mm
<b>Meas.-no.:</b>	01	<b>Width:</b>	50 mm
<b>Lamp type:</b>	LED 840 - 01	<b>Height:</b>	140 mm
<b>Number:</b>	1	<b>Power:</b>	67,8 W
<b>Lamp flux:</b>	8893,00 lm	<b>Operator:</b>	INDEL AGUE GROUP
<b>Date:</b>	14-02-2018 14:05:47	<b>Output ratio:</b>	64,4 %

**Protocol**

**LiTG-class:** B53  
**UTE-class:** 0,42 C + 0,23 T  
**IES-class:** 65 - 90 - 98 - 65 - 64  
**TM5-class:** BZ2

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

	Horizontal	Vertical
<b>One half peak divergence</b>	76,5°	74,9°
<b>Half peak side angle (left)</b>	-38,3°	-37,5°
<b>Half peak side angle (right)</b>	38,3°	37,5°
<b>One tenth peak divergence</b>	129,4°	130,5°
<b>Tenth peak side angle (left)</b>	-64,7°	-65,2°
<b>Tenth peak side angle (right)</b>	64,7°	65,2°

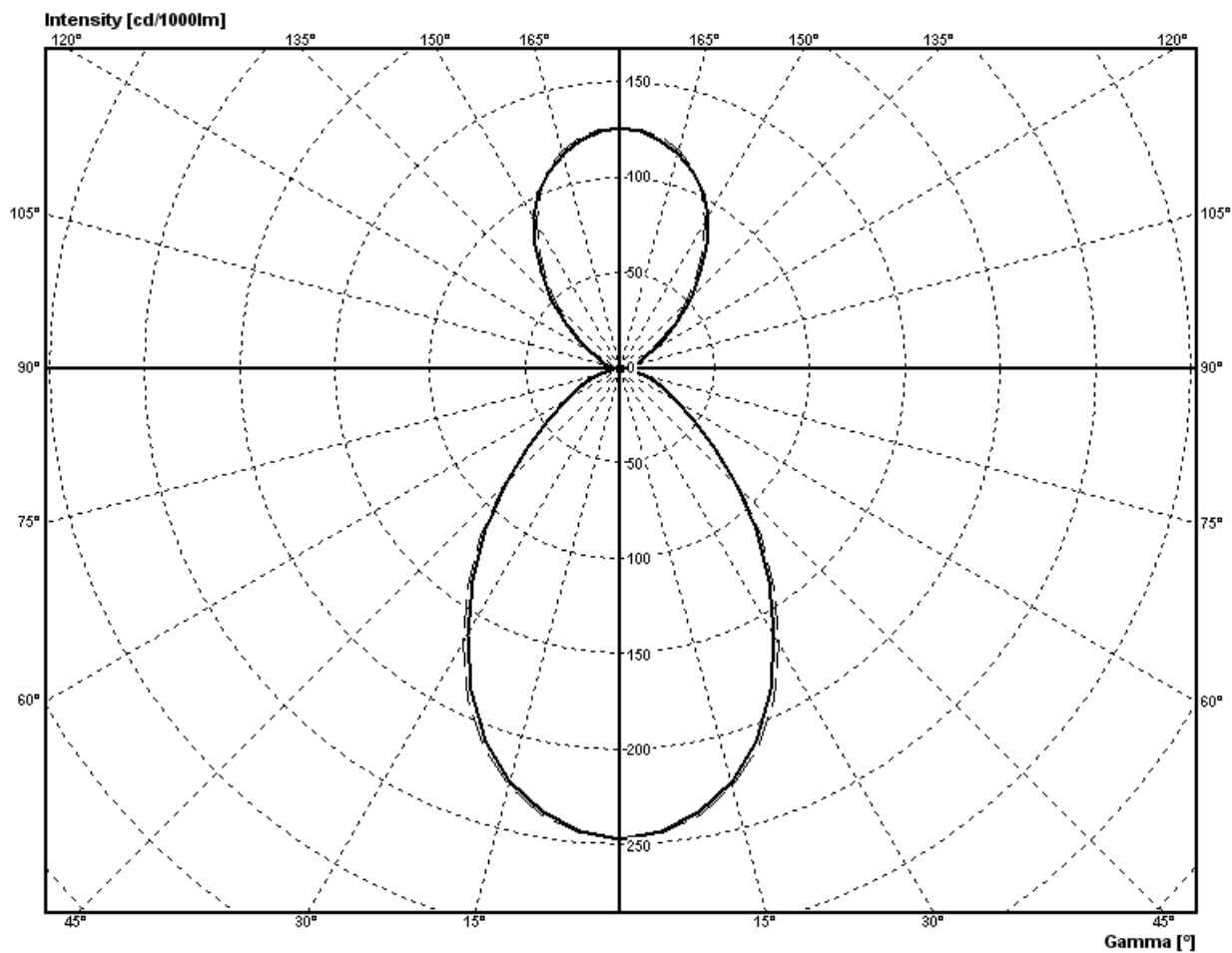
<b>C-planes:</b>	0,0°	15,0°	30,0°	45,0°	60,0°	75,0°	90,0°	105,0°	120,0°	135,0°
	150,0°	165,0°	180,0°	195,0°	210,0°	225,0°	240,0°	255,0°	270,0°	285,0°
	300,0°	315,0°	330,0°	345,0°						

<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°	95,0°
	100,0°	105,0°	110,0°	115,0°	120,0°	125,0°	130,0°	135,0°	140,0°	145,0°
	150,0°	155,0°	160,0°	165,0°	170,0°	175,0°	180,0°			

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Polar diagram REBA D/I LED 68W bGLARE [1688mm] / Total 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>	11,8	12,7	12,6	13,5	14,6	14,4	15,3	15,2	16,1	17,2
<b>2H</b>	<b>3H</b>	12,1	12,9	12,9	13,8	14,8	14,9	15,7	15,8	16,6	17,7
<b>2H</b>	<b>4H</b>	12,2	13,0	13,0	13,8	14,9	15,1	15,9	16,0	16,8	17,9
<b>2H</b>	<b>6H</b>	12,2	12,9	13,1	13,8	14,9	15,3	16,0	16,2	16,9	18,0
<b>2H</b>	<b>8H</b>	12,2	12,9	13,1	13,8	14,9	15,3	16,0	16,2	16,9	18,0
<b>2H</b>	<b>12H</b>	12,1	12,8	13,0	13,7	14,8	15,3	16,0	16,2	16,9	18,0
<b>4H</b>	<b>2H</b>	12,0	12,8	12,9	13,6	14,7	14,3	15,1	15,2	16,0	17,1
<b>4H</b>	<b>3H</b>	12,4	13,1	13,3	14,0	15,1	14,9	15,6	15,8	16,5	17,6
<b>4H</b>	<b>4H</b>	12,6	13,2	13,5	14,1	15,2	15,2	15,8	16,1	16,7	17,9
<b>4H</b>	<b>6H</b>	12,7	13,2	13,6	14,1	15,2	15,4	15,9	16,3	16,9	18,0
<b>4H</b>	<b>8H</b>	12,7	13,1	13,6	14,1	15,2	15,5	16,0	16,4	16,9	18,0
<b>4H</b>	<b>12H</b>	12,7	13,1	13,6	14,0	15,2	15,5	16,0	16,5	16,9	18,1
<b>8H</b>	<b>4H</b>	12,6	13,1	13,5	14,0	15,1	15,2	15,6	16,1	16,5	17,7
<b>8H</b>	<b>6H</b>	12,7	13,1	13,6	14,0	15,2	15,4	15,8	16,3	16,7	17,8
<b>8H</b>	<b>8H</b>	12,8	13,1	13,7	14,1	15,2	15,5	15,8	16,4	16,8	17,9
<b>8H</b>	<b>12H</b>	12,8	13,0	13,7	14,0	15,2	15,5	15,8	16,5	16,8	17,9
<b>12H</b>	<b>4H</b>	12,6	13,0	13,5	13,9	15,1	15,1	15,6	16,0	16,5	17,6
<b>12H</b>	<b>6H</b>	12,7	13,1	13,7	14,0	15,2	15,4	15,7	16,3	16,7	17,8
<b>12H</b>	<b>8H</b>	12,8	13,0	13,7	14,0	15,2	15,4	15,7	16,4	16,7	17,8

UGR values are corrected for lamp flux of 8893 lm by 7,6

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**Luminance [cd/m<sup>2</sup>] REBA D/I LED 68W bGLARE [1688mm] / Total 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	3399,78	3516,76	3930,78	4602,98	5718,46	7776,96	13367,0	7776,96	5718,46
50,00	2433,24	2503,69	2813,75	3327,18	4195,13	5802,43	10667,8	5802,43	4195,13
55,00	1716,95	1758,78	2012,96	2374,28	3029,46	4265,31	8448,10	4265,31	3029,46
60,00	1240,54	1259,03	1446,95	1698,56	2150,53	3152,61	6849,25	3152,61	2150,53
65,00	901,09	917,92	1030,77	1195,20	1535,16	2311,54	5545,18	2311,54	1535,16
70,00	653,31	677,29	742,50	844,67	1098,85	1704,06	4591,23	1704,06	1098,85
75,00	457,80	472,80	516,13	593,34	779,35	1240,83	3937,16	1240,83	779,35
80,00	291,96	295,60	334,52	371,70	502,46	830,04	3236,47	830,04	502,46
85,00	138,42	140,83	160,90	174,18	233,31	391,75	2114,65	391,75	233,31

G/C [cd/	135,00	150,00	165,00	180,00	195,00	210,00	225,00	240,00	255,00
45,00	4602,98	3930,78	3516,76	3399,78	3516,76	3930,78	4602,98	5718,46	7776,96
50,00	3327,18	2813,75	2503,69	2433,24	2503,69	2813,75	3327,18	4195,13	5802,43
55,00	2374,28	2012,96	1758,78	1716,95	1758,78	2012,96	2374,28	3029,46	4265,31
60,00	1698,56	1446,95	1259,03	1240,54	1259,03	1446,95	1698,56	2150,53	3152,61
65,00	1195,20	1030,77	917,92	901,09	917,92	1030,77	1195,20	1535,16	2311,54
70,00	844,67	742,50	677,29	653,31	677,29	742,50	844,67	1098,85	1704,06
75,00	593,34	516,13	472,80	457,80	472,80	516,13	593,34	779,35	1240,83
80,00	371,70	334,52	295,60	291,96	295,60	334,52	371,70	502,46	830,04
85,00	174,18	160,90	140,83	138,42	140,83	160,90	174,18	233,31	391,75

G/C [cd/	270,00	285,00	300,00	315,00	330,00	345,00
45,00	13367,0	7776,96	5718,46	4602,98	3930,78	3516,76
50,00	10667,8	5802,43	4195,13	3327,18	2813,75	2503,69
55,00	8448,10	4265,31	3029,46	2374,28	2012,96	1758,78
60,00	6849,25	3152,61	2150,53	1698,56	1446,95	1259,03
65,00	5545,18	2311,54	1535,16	1195,20	1030,77	917,92
70,00	4591,23	1704,06	1098,85	844,67	742,50	677,29
75,00	3937,16	1240,83	779,35	593,34	516,13	472,80
80,00	3236,47	830,04	502,46	371,70	334,52	295,60
85,00	2114,65	391,75	233,31	174,18	160,90	140,83

**HEADQUARTERS**

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