

**PHOTOMETRIC RESULTS**

<b>Name:</b>	<b>REBA 65 D/I LED 45W bGLARE [1128mm]</b>		
<b>Number:</b>	01	<b>Diameter:</b>	0 mm
<b>Report:</b>	10-02-2017	<b>Length:</b>	1128 mm
<b>Meas.-no.:</b>	01	<b>Width:</b>	65 mm
<b>Lamp type:</b>	LED 840 - 01	<b>Height:</b>	100 mm
<b>Number:</b>	1	<b>Power:</b>	45,11 W
<b>Lamp flux:</b>	5741,00 lm	<b>Operator:</b>	INDEL AGUE GROUP
<b>Date:</b>	10-02-2017 15:13:24	<b>Output ratio:</b>	66,4 %

**Protocol**

**LiTG-class:** B43  
**UTE-class:** 0,45 E + 0,25 T  
**IES-class:** 50 - 81 - 96 - 64 - 70  
**TM5-class:** BZ4

<b>Divergences in the plane through maximum intensity:</b>	Horizontal	Vertical
<b>One half peak divergence</b>	103,9°	99,3°
<b>Half peak side angle (left)</b>	-51,9°	-49,7°
<b>Half peak side angle (right)</b>	51,9°	49,7°
<b>One tenth peak divergence</b>	158,2°	157,2°
<b>Tenth peak side angle (left)</b>	-79,1°	-78,6°
<b>Tenth peak side angle (right)</b>	79,1°	78,6°

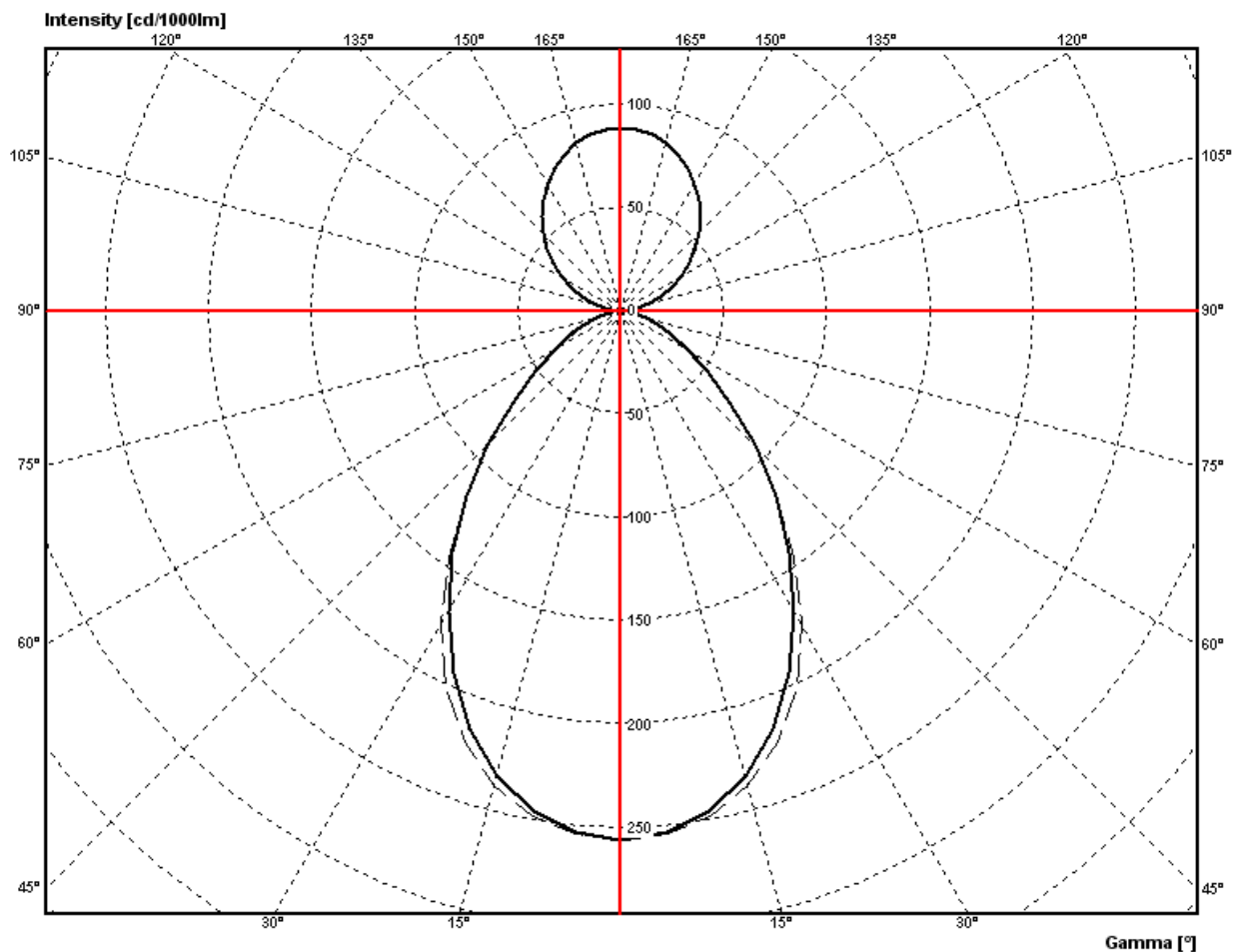
<b>C-planes:</b>	0,0°	15,0°	30,0°	45,0°	60,0°	75,0°	90,0°	105,0°	120,0°	135,0°
	150,0°	165,0°	180,0°	195,0°	210,0°	225,0°	240,0°	255,0°	270,0°	285,0°
	300,0°	315,0°	330,0°	345,0°						

<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°	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 65 D/I LED 45W bGLARE [1128mm] / 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>	14,9	15,9	15,7	16,7	17,8	17,3	18,3	18,1	19,2	20,2
<b>2H</b>	<b>3H</b>	15,8	16,7	16,6	17,5	18,6	18,7	19,6	19,5	20,4	21,5
<b>2H</b>	<b>4H</b>	16,0	16,9	16,9	17,7	18,8	19,2	20,0	20,0	20,9	22,0
<b>2H</b>	<b>6H</b>	16,2	16,9	17,0	17,8	18,9	19,5	20,3	20,4	21,2	22,3
<b>2H</b>	<b>8H</b>	16,1	16,9	17,0	17,8	18,9	19,6	20,4	20,5	21,2	22,3
<b>2H</b>	<b>12H</b>	16,1	16,8	17,0	17,7	18,8	19,6	20,3	20,5	21,2	22,3
<b>4H</b>	<b>2H</b>	15,5	16,3	16,4	17,2	18,3	17,5	18,4	18,4	19,2	20,3
<b>4H</b>	<b>3H</b>	16,5	17,2	17,4	18,1	19,2	19,0	19,7	19,8	20,6	21,7
<b>4H</b>	<b>4H</b>	16,9	17,5	17,7	18,4	19,5	19,6	20,2	20,5	21,1	22,3
<b>4H</b>	<b>6H</b>	17,0	17,6	17,9	18,5	19,6	20,0	20,5	20,9	21,4	22,6
<b>4H</b>	<b>8H</b>	17,0	17,6	18,0	18,5	19,6	20,1	20,6	21,0	21,5	22,7
<b>4H</b>	<b>12H</b>	17,1	17,5	18,0	18,5	19,6	20,1	20,6	21,1	21,5	22,7
<b>8H</b>	<b>4H</b>	17,0	17,5	17,9	18,5	19,6	19,6	20,1	20,5	21,0	22,2
<b>8H</b>	<b>6H</b>	17,2	17,7	18,1	18,6	19,8	20,0	20,4	20,9	21,3	22,5
<b>8H</b>	<b>8H</b>	17,3	17,7	18,3	18,7	19,8	20,2	20,5	21,1	21,5	22,7
<b>8H</b>	<b>12H</b>	17,3	17,7	18,3	18,6	19,8	20,2	20,5	21,2	21,5	22,7
<b>12H</b>	<b>4H</b>	17,0	17,5	17,9	18,4	19,6	19,5	20,0	20,5	20,9	22,1
<b>12H</b>	<b>6H</b>	17,3	17,7	18,2	18,6	19,8	20,0	20,4	20,9	21,3	22,5
<b>12H</b>	<b>8H</b>	17,3	17,7	18,3	18,6	19,8	20,1	20,5	21,1	21,4	22,6

UGR values are corrected for lamp flux of 11160 lm by 8,4

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**Luminance [cd/m<sup>2</sup>] REBA 65 D/I LED 45W bGLARE [1128mm] / 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	4104,74	4188,95	4541,48	5094,88	5891,74	7213,25	9967,61	7213,25	5891,74
50,00	3040,72	3084,17	3323,92	3750,18	4419,34	5516,63	8069,09	5516,63	4419,34
55,00	2229,72	2226,90	2405,10	2708,61	3221,11	4134,41	6351,29	4134,41	3221,11
60,00	1615,02	1591,52	1754,15	1977,72	2329,61	3121,42	5058,85	3121,42	2329,61
65,00	1165,71	1138,76	1260,45	1431,70	1685,31	2336,37	4094,82	2336,37	1685,31
70,00	828,80	840,03	905,69	1020,58	1225,58	1749,90	3370,29	1749,90	1225,58
75,00	576,42	608,88	647,08	727,95	873,90	1295,22	2812,97	1295,22	873,90
80,00	382,79	395,68	433,26	471,86	596,41	902,83	2358,47	902,83	596,41
85,00	193,09	196,89	224,80	239,42	308,57	482,97	1579,95	482,97	308,57

G/C [cd/	135,00	150,00	165,00	180,00	195,00	210,00	225,00	240,00	255,00
45,00	5094,88	4541,48	4188,95	4104,74	4188,95	4541,48	5094,88	5891,74	7213,25
50,00	3750,18	3323,92	3084,17	3040,72	3084,17	3323,92	3750,18	4419,34	5516,63
55,00	2708,61	2405,10	2226,90	2229,72	2226,90	2405,10	2708,61	3221,11	4134,41
60,00	1977,72	1754,15	1591,52	1615,02	1591,52	1754,15	1977,72	2329,61	3121,42
65,00	1431,70	1260,45	1138,76	1165,71	1138,76	1260,45	1431,70	1685,31	2336,37
70,00	1020,58	905,69	840,03	828,80	840,03	905,69	1020,58	1225,58	1749,90
75,00	727,95	647,08	608,88	576,42	608,88	647,08	727,95	873,90	1295,22
80,00	471,86	433,26	395,68	382,79	395,68	433,26	471,86	596,41	902,83
85,00	239,42	224,80	196,89	193,09	196,89	224,80	239,42	308,57	482,97

G/C [cd/	270,00	285,00	300,00	315,00	330,00	345,00
45,00	9967,61	7213,25	5891,74	5094,88	4541,48	4188,95
50,00	8069,09	5516,63	4419,34	3750,18	3323,92	3084,17
55,00	6351,29	4134,41	3221,11	2708,61	2405,10	2226,90
60,00	5058,85	3121,42	2329,61	1977,72	1754,15	1591,52
65,00	4094,82	2336,37	1685,31	1431,70	1260,45	1138,76
70,00	3370,29	1749,90	1225,58	1020,58	905,69	840,03
75,00	2812,97	1295,22	873,90	727,95	647,08	608,88
80,00	2358,47	902,83	596,41	471,86	433,26	395,68
85,00	1579,95	482,97	308,57	239,42	224,80	196,89

**HEADQUARTERS**

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