

**PHOTOMETRIC RESULTS**

<b>Name:</b>	<b>REBA 65 /E LED 37W bGLARE [1418mm]</b>		
<b>Number:</b>	01	<b>Diameter:</b>	0 mm
<b>Report:</b>	30-01-2017	<b>Length:</b>	1418 mm
<b>Meas.-no.:</b>	01	<b>Width:</b>	77 mm
<b>Lamp type:</b>	LED 840 - 01	<b>Height:</b>	80 mm
<b>Number:</b>	1	<b>Power:</b>	36,74 W
<b>Lamp flux:</b>	5065,00 lm	<b>Operator:</b>	INDEL AGUE GROUP
<b>Date:</b>	30-01-2017 16:16:50	<b>Output ratio:</b>	63,6 %

**Protocol**

**LiTG-class:** A50  
**UTE-class:** 0,64 C  
**IES-class:** 65 - 90 - 98 - 100 - 64  
**TM5-class:** BZ2/4.00/BZ3

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

	Horizontal	Vertical
<b>One half peak divergence</b>	78,5°	76,8°
<b>Half peak side angle (left)</b>	-39,3°	-38,4°
<b>Half peak side angle (right)</b>	39,3°	38,4°
<b>One tenth peak divergence</b>	130,2°	131,9°
<b>Tenth peak side angle (left)</b>	-65,1°	-66,0°
<b>Tenth peak side angle (right)</b>	65,1°	66,0°

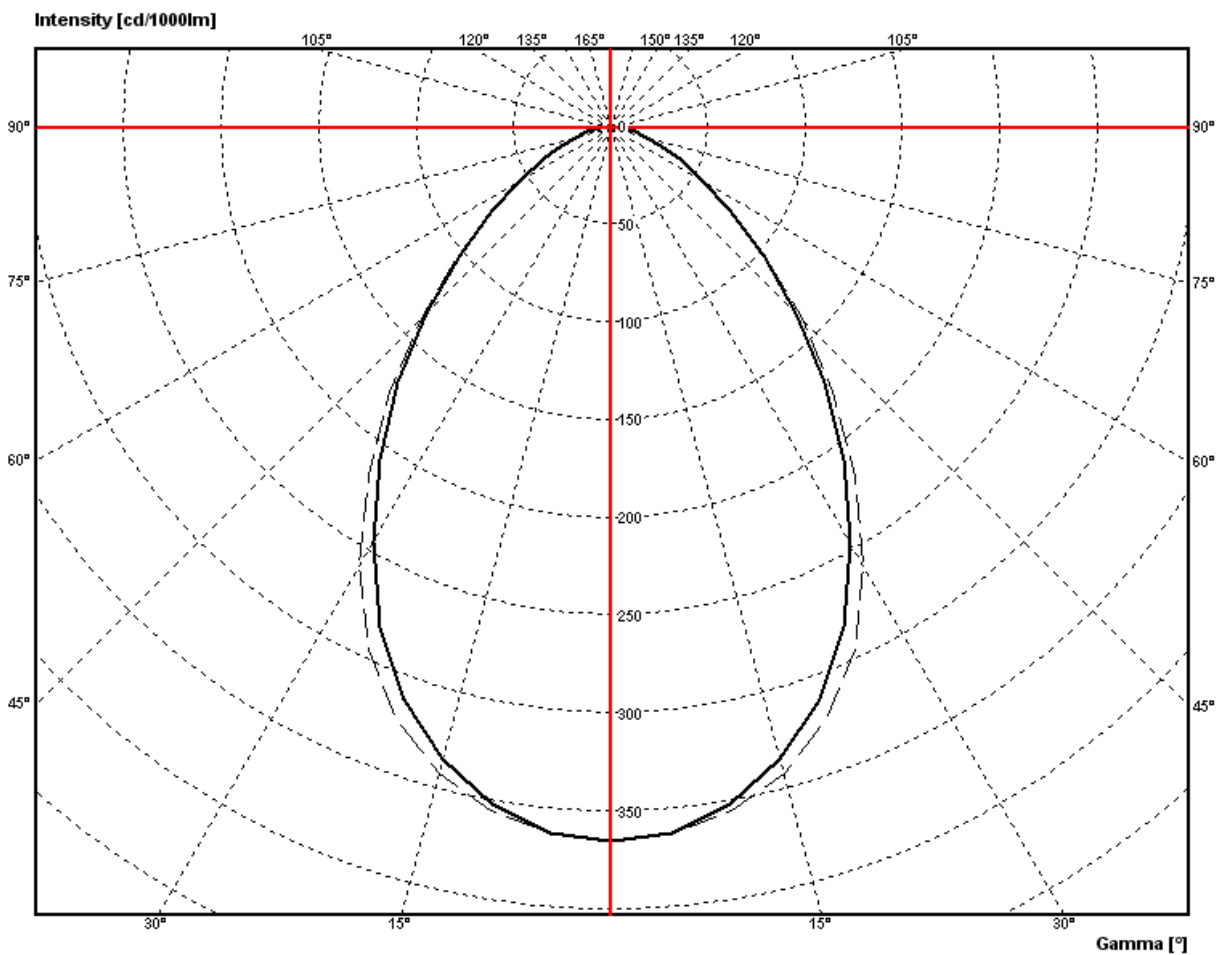
<b>C-planes:</b>	0,0°	15,0°	30,0°	45,0°	60,0°	75,0°	90,0°	105,0°	120,0°	135,0°
	150,0°	165,0°	180,0°	195,0°	210,0°	225,0°	240,0°	255,0°	270,0°	285,0°
	300,0°	315,0°	330,0°	345,0°						

<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 /E LED 37W bGLARE [1418mm] / 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	17,5	17,8	17,4	18,9	17,8	19,2	19,5
<b>2H</b>	<b>3H</b>	16,1	17,4	16,5	17,7	18,1	18,0	19,3	18,4	19,6	20,0
<b>2H</b>	<b>4H</b>	16,2	17,4	16,6	17,8	18,1	18,2	19,4	18,6	19,8	20,1
<b>2H</b>	<b>6H</b>	16,3	17,4	16,7	17,8	18,2	18,4	19,5	18,8	19,9	20,3
<b>2H</b>	<b>8H</b>	16,3	17,4	16,7	17,7	18,1	18,4	19,5	18,9	19,9	20,3
<b>2H</b>	<b>12H</b>	16,3	17,3	16,7	17,7	18,1	18,5	19,5	18,9	19,9	20,3
<b>4H</b>	<b>2H</b>	16,0	17,2	16,4	17,5	17,9	17,5	18,7	17,9	19,1	19,4
<b>4H</b>	<b>3H</b>	16,5	17,5	16,9	17,9	18,3	18,2	19,2	18,6	19,6	20,0
<b>4H</b>	<b>4H</b>	16,7	17,6	17,2	18,0	18,5	18,5	19,4	18,9	19,8	20,2
<b>4H</b>	<b>6H</b>	16,8	17,6	17,3	18,1	18,5	18,7	19,5	19,1	19,9	20,4
<b>4H</b>	<b>8H</b>	16,9	17,6	17,3	18,0	18,5	18,8	19,5	19,2	19,9	20,4
<b>4H</b>	<b>12H</b>	16,9	17,5	17,3	18,0	18,5	18,8	19,5	19,3	19,9	20,5
<b>8H</b>	<b>4H</b>	16,8	17,5	17,2	17,9	18,4	18,4	19,2	18,9	19,6	20,1
<b>8H</b>	<b>6H</b>	16,9	17,5	17,4	18,0	18,5	18,7	19,3	19,2	19,7	20,2
<b>8H</b>	<b>8H</b>	17,0	17,5	17,5	18,0	18,5	18,8	19,3	19,3	19,9	20,4
<b>8H</b>	<b>12H</b>	17,0	17,5	17,6	18,0	18,5	18,9	19,3	19,4	19,9	20,4
<b>12H</b>	<b>4H</b>	16,8	17,4	17,2	17,9	18,4	18,4	19,1	18,9	19,5	20,0
<b>12H</b>	<b>6H</b>	16,9	17,5	17,5	18,0	18,5	18,7	19,2	19,2	19,7	20,2
<b>12H</b>	<b>8H</b>	17,0	17,4	17,5	18,0	18,5	18,8	19,2	19,3	19,8	20,3

UGR values are corrected for lamp flux of 5065 lm by 5,6

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Luminance [cd/m<sup>2</sup>] REBA 65 /E LED 37W bGLARE [1418mm] / 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	4850,82	4970,73	5338,12	5959,50	6904,24	8380,32	10927,1	8380,32	6904,24
50,00	3644,29	3693,92	3937,66	4455,49	5229,40	6475,25	8920,10	6475,25	5229,40
55,00	2665,91	2688,39	2889,03	3245,59	3892,92	4888,92	7132,52	4888,92	3892,92
60,00	1961,91	1942,85	2152,82	2403,47	2854,22	3710,99	5764,77	3710,99	2854,22
65,00	1419,51	1415,78	1571,60	1759,70	2088,59	2810,99	4582,62	2810,99	2088,59
70,00	1025,59	1061,01	1150,96	1279,33	1509,13	2121,41	3833,57	2121,41	1509,13
75,00	731,11	778,92	827,71	925,85	1093,31	1615,40	3294,06	1615,40	1093,31
80,00	500,17	513,66	551,66	608,97	751,85	1160,92	2752,50	1160,92	751,85
85,00	268,71	268,15	293,65	325,39	415,85	650,03	2253,00	650,03	415,85

G/C [cd/	135,00	150,00	165,00	180,00	195,00	210,00	225,00	240,00	255,00
45,00	5959,50	5338,12	4970,73	4850,82	4970,73	5338,12	5959,50	6904,24	8380,32
50,00	4455,49	3937,66	3693,92	3644,29	3693,92	3937,66	4455,49	5229,40	6475,25
55,00	3245,59	2889,03	2688,39	2665,91	2688,39	2889,03	3245,59	3892,92	4888,92
60,00	2403,47	2152,82	1942,85	1961,91	1942,85	2152,82	2403,47	2854,22	3710,99
65,00	1759,70	1571,60	1415,78	1419,51	1415,78	1571,60	1759,70	2088,59	2810,99
70,00	1279,33	1150,96	1061,01	1025,59	1061,01	1150,96	1279,33	1509,13	2121,41
75,00	925,85	827,71	778,92	731,11	778,92	827,71	925,85	1093,31	1615,40
80,00	608,97	551,66	513,66	500,17	513,66	551,66	608,97	751,85	1160,92
85,00	325,39	293,65	268,15	268,71	268,15	293,65	325,39	415,85	650,03

G/C [cd/	270,00	285,00	300,00	315,00	330,00	345,00
45,00	10927,1	8380,32	6904,24	5959,50	5338,12	4970,73
50,00	8920,10	6475,25	5229,40	4455,49	3937,66	3693,92
55,00	7132,52	4888,92	3892,92	3245,59	2889,03	2688,39
60,00	5764,77	3710,99	2854,22	2403,47	2152,82	1942,85
65,00	4582,62	2810,99	2088,59	1759,70	1571,60	1415,78
70,00	3833,57	2121,41	1509,13	1279,33	1150,96	1061,01
75,00	3294,06	1615,40	1093,31	925,85	827,71	778,92
80,00	2752,50	1160,92	751,85	608,97	551,66	513,66
85,00	2253,00	650,03	415,85	325,39	293,65	268,15

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