

**PHOTOMETRIC RESULTS**

<b>Name:</b>	<b>REBA X LED 30W bGLARE [1128mm]</b>		
<b>Number:</b>	01	<b>Diameter:</b>	0 mm
<b>Report:</b>	08-02-2018	<b>Length:</b>	1128 mm
<b>Meas.-no.:</b>	01	<b>Width:</b>	50 mm
<b>Lamp type:</b>	LED 840 - 01	<b>Height:</b>	70 mm
<b>Number:</b>	1	<b>Power:</b>	30,48 W
<b>Lamp flux:</b>	4052,00 lm	<b>Operator:</b>	INDEL AGUE GROUP
<b>Date:</b>	08-02-2018 15:50:50	<b>Output ratio:</b>	61,1 %

**Protocol**

**LiTG-class:** A50  
**UTE-class:** 0,61 C  
**IES-class:** 65 - 90 - 98 - 100 - 61  
**TM5-class:** B22

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

	Horizontal	Vertical
<b>One half peak divergence</b>	75,5°	75,7°
<b>Half peak side angle (left)</b>	-37,8°	-37,9°
<b>Half peak side angle (right)</b>	37,8°	37,9°
<b>One tenth peak divergence</b>	128,6°	131,0°
<b>Tenth peak side angle (left)</b>	-64,3°	-65,5°
<b>Tenth peak side angle (right)</b>	64,3°	65,5°

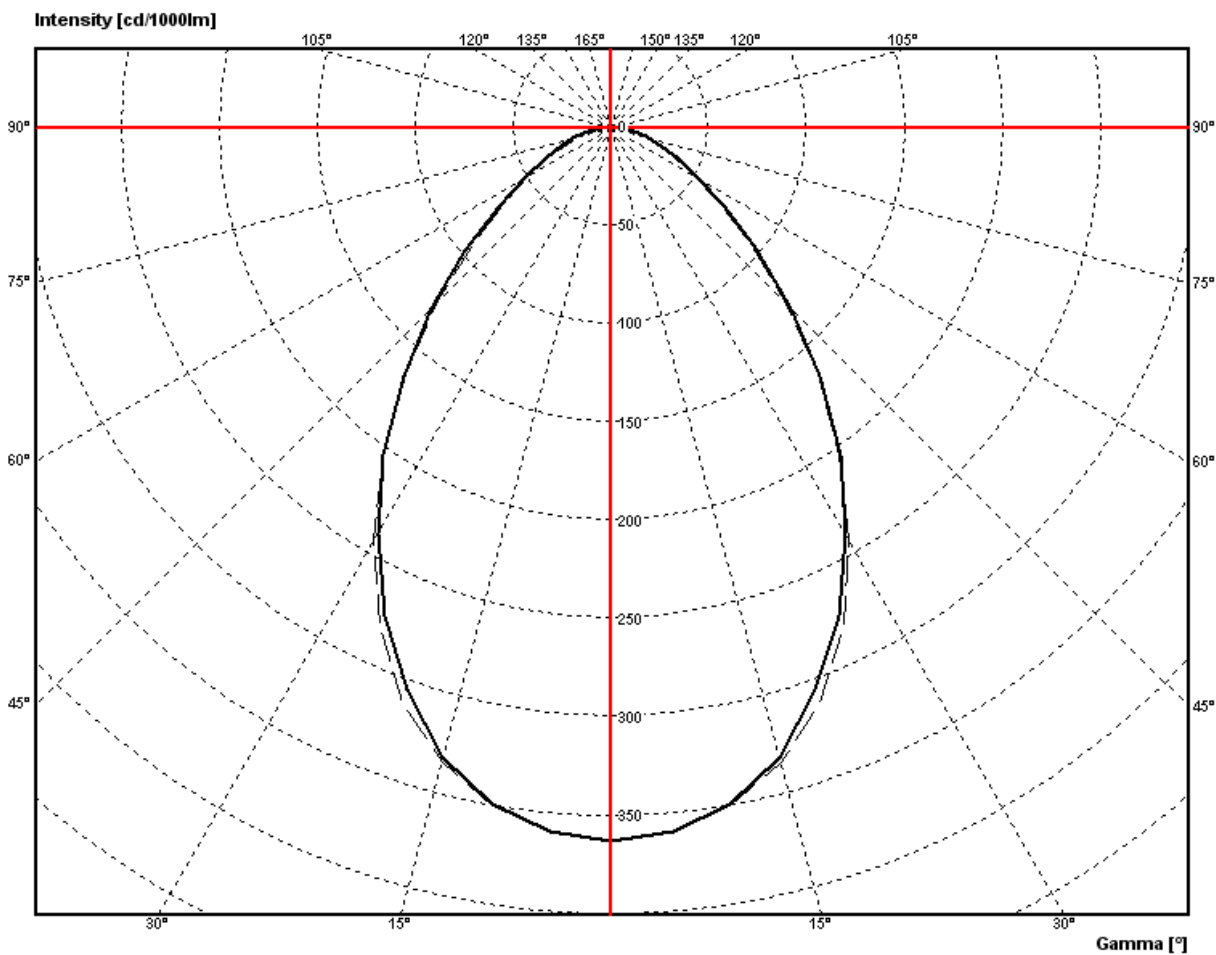
<b>C-planes:</b>	0,0°	15,0°	30,0°	45,0°	60,0°	75,0°	90,0°	105,0°	120,0°	135,0°
	150,0°	165,0°	180,0°	195,0°	210,0°	225,0°	240,0°	255,0°	270,0°	285,0°
	300,0°	315,0°	330,0°	345,0°						

<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 X LED 30W bGLARE [1128mm] / 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>	16,3	17,7	16,7	18,0	18,3	17,9	19,3	18,2	19,6	19,9
<b>2H</b>	<b>3H</b>	16,7	17,9	17,0	18,3	18,6	18,4	19,7	18,8	20,0	20,4
<b>2H</b>	<b>4H</b>	16,8	18,0	17,2	18,3	18,7	18,7	19,9	19,1	20,2	20,6
<b>2H</b>	<b>6H</b>	16,9	18,0	17,3	18,3	18,7	18,9	20,0	19,3	20,3	20,7
<b>2H</b>	<b>8H</b>	16,8	17,9	17,3	18,3	18,7	18,9	20,0	19,3	20,3	20,7
<b>2H</b>	<b>12H</b>	16,8	17,8	17,2	18,2	18,6	18,9	19,9	19,3	20,3	20,7
<b>4H</b>	<b>2H</b>	16,6	17,7	16,9	18,1	18,5	17,9	19,1	18,3	19,5	19,8
<b>4H</b>	<b>3H</b>	17,0	18,0	17,4	18,4	18,8	18,6	19,6	19,0	20,0	20,4
<b>4H</b>	<b>4H</b>	17,3	18,1	17,7	18,6	19,0	18,9	19,8	19,4	20,2	20,7
<b>4H</b>	<b>6H</b>	17,3	18,1	17,8	18,6	19,0	19,2	19,9	19,6	20,4	20,8
<b>4H</b>	<b>8H</b>	17,4	18,1	17,8	18,5	19,0	19,2	20,0	19,7	20,4	20,9
<b>4H</b>	<b>12H</b>	17,4	18,0	17,9	18,5	19,0	19,3	20,0	19,8	20,4	20,9
<b>8H</b>	<b>4H</b>	17,3	18,0	17,8	18,5	18,9	18,9	19,6	19,4	20,1	20,5
<b>8H</b>	<b>6H</b>	17,4	18,0	17,9	18,5	19,0	19,1	19,7	19,6	20,2	20,7
<b>8H</b>	<b>8H</b>	17,5	18,0	18,0	18,5	19,0	19,3	19,8	19,8	20,3	20,8
<b>8H</b>	<b>12H</b>	17,5	18,0	18,0	18,5	19,0	19,4	19,8	19,9	20,3	20,8
<b>12H</b>	<b>4H</b>	17,3	17,9	17,8	18,4	18,9	18,9	19,5	19,4	20,0	20,5
<b>12H</b>	<b>6H</b>	17,5	18,0	18,0	18,5	19,0	19,2	19,7	19,7	20,2	20,7
<b>12H</b>	<b>8H</b>	17,5	17,9	18,0	18,5	19,0	19,3	19,7	19,8	20,2	20,7

UGR values are corrected for lamp flux of 4052 lm by 4,9

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**Luminance [cd/m<sup>2</sup>] REBA X LED 30W bGLARE [1128mm] / 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	5700,32	5797,96	6281,58	6993,14	8005,71	9702,01	13201,0	9702,01	8005,71
50,00	4207,89	4313,74	4662,50	5214,38	6032,62	7423,22	10503,7	7423,22	6032,62
55,00	3030,45	3096,83	3444,49	3836,39	4443,74	5584,47	8355,31	5584,47	4443,74
60,00	2201,35	2216,34	2511,68	2789,32	3258,51	4226,69	6836,13	4226,69	3258,51
65,00	1625,03	1614,44	1790,72	2013,79	2392,12	3203,14	5627,95	3203,14	2392,12
70,00	1193,16	1208,36	1312,98	1461,72	1803,52	2470,90	4693,24	2470,90	1803,52
75,00	841,08	870,69	935,66	1043,55	1324,61	1922,72	4110,37	1922,72	1324,61
80,00	550,39	551,67	616,65	668,54	881,07	1357,36	3444,14	1357,36	881,07
85,00	266,27	268,87	308,46	328,32	428,11	688,00	2464,96	688,00	428,11

G/C [cd/	135,00	150,00	165,00	180,00	195,00	210,00	225,00	240,00	255,00
45,00	6993,14	6281,58	5797,96	5700,32	5797,96	6281,58	6993,14	8005,71	9702,01
50,00	5214,38	4662,50	4313,74	4207,89	4313,74	4662,50	5214,38	6032,62	7423,22
55,00	3836,39	3444,49	3096,83	3030,45	3096,83	3444,49	3836,39	4443,74	5584,47
60,00	2789,32	2511,68	2216,34	2201,35	2216,34	2511,68	2789,32	3258,51	4226,69
65,00	2013,79	1790,72	1614,44	1625,03	1614,44	1790,72	2013,79	2392,12	3203,14
70,00	1461,72	1312,98	1208,36	1193,16	1208,36	1312,98	1461,72	1803,52	2470,90
75,00	1043,55	935,66	870,69	841,08	870,69	935,66	1043,55	1324,61	1922,72
80,00	668,54	616,65	551,67	550,39	551,67	616,65	668,54	881,07	1357,36
85,00	328,32	308,46	268,87	266,27	268,87	308,46	328,32	428,11	688,00

G/C [cd/	270,00	285,00	300,00	315,00	330,00	345,00
45,00	13201,0	9702,01	8005,71	6993,14	6281,58	5797,96
50,00	10503,7	7423,22	6032,62	5214,38	4662,50	4313,74
55,00	8355,31	5584,47	4443,74	3836,39	3444,49	3096,83
60,00	6836,13	4226,69	3258,51	2789,32	2511,68	2216,34
65,00	5627,95	3203,14	2392,12	2013,79	1790,72	1614,44
70,00	4693,24	2470,90	1803,52	1461,72	1312,98	1208,36
75,00	4110,37	1922,72	1324,61	1043,55	935,66	870,69
80,00	3444,14	1357,36	881,07	668,54	616,65	551,67
85,00	2464,96	688,00	428,11	328,32	308,46	268,87

**HEADQUARTERS**

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