

**PHOTOMETRIC RESULTS**

<b>Name:</b>	<b>LNS LED 30W DOZ [872x297mm]</b>		
<b>Number:</b>	01	<b>Diameter:</b>	0 mm
<b>Report:</b>	20-03-2017	<b>Length:</b>	872 mm
<b>Meas.-no.:</b>	01	<b>Width:</b>	297 mm
<b>Lamp type:</b>	LED 840 - 01	<b>Height:</b>	80 mm
<b>Number:</b>	1	<b>Power:</b>	30,24 W
<b>Lamp flux:</b>	4080,00 lm	<b>Operator:</b>	INDEL AGUE GROUP
<b>Date:</b>	20-03-2017 8:50:20	<b>Output ratio:</b>	70,5 %

**Protocol**

**LiTG-class:** A40  
**UTE-class:** 0,71 E  
**IES-class:** 47 - 79 - 96 - 100 - 71  
**TM5-class:** BZ4

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

	Horizontal	Vertical
<b>One half peak divergence</b>	113,1°	112,6°
<b>Half peak side angle (left)</b>	-56,5°	-56,3°
<b>Half peak side angle (right)</b>	56,5°	56,3°
<b>One tenth peak divergence</b>	160,5°	160,5°
<b>Tenth peak side angle (left)</b>	-80,3°	-80,3°
<b>Tenth peak side angle (right)</b>	80,3°	80,3°

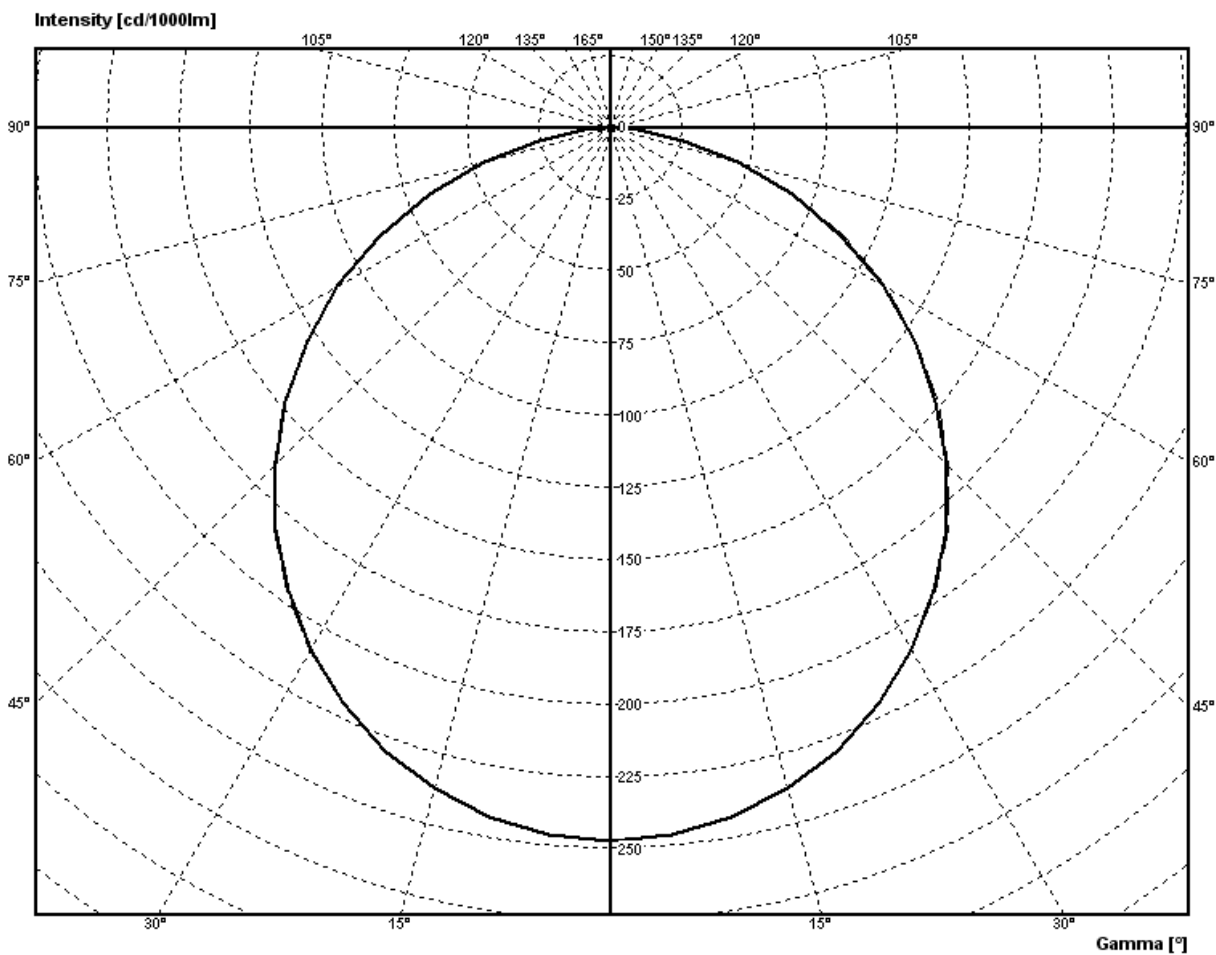
<b>C-planes:</b>	0,0°	15,0°	30,0°	45,0°	60,0°	75,0°	90,0°	105,0°	120,0°	135,0°
	150,0°	165,0°	180,0°	195,0°	210,0°	225,0°	240,0°	255,0°	270,0°	285,0°
	300,0°	315,0°	330,0°	345,0°						

<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 LNS LED 30W DOZ [872x297mm] / 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>	16,0	17,6	16,3	17,9	18,3	16,5	18,1	16,8	18,4	18,8
<b>2H</b>	<b>3H</b>	17,3	18,8	17,7	19,1	19,5	18,0	19,5	18,3	19,8	20,1
<b>2H</b>	<b>4H</b>	17,7	19,2	18,1	19,5	19,9	18,5	19,9	18,9	20,3	20,6
<b>2H</b>	<b>6H</b>	18,0	19,3	18,4	19,7	20,1	18,9	20,2	19,3	20,5	20,9
<b>2H</b>	<b>8H</b>	18,0	19,3	18,5	19,7	20,1	18,9	20,2	19,3	20,5	20,9
<b>2H</b>	<b>12H</b>	18,0	19,3	18,5	19,6	20,0	18,9	20,1	19,3	20,5	20,9
<b>4H</b>	<b>2H</b>	16,7	18,1	17,1	18,4	18,8	17,1	18,5	17,5	18,8	19,2
<b>4H</b>	<b>3H</b>	18,1	19,3	18,5	19,7	20,1	18,7	19,9	19,1	20,3	20,7
<b>4H</b>	<b>4H</b>	18,7	19,8	19,1	20,2	20,6	19,4	20,4	19,8	20,8	21,3
<b>4H</b>	<b>6H</b>	19,0	20,0	19,5	20,4	20,8	19,7	20,7	20,2	21,1	21,6
<b>4H</b>	<b>8H</b>	19,1	20,0	19,6	20,4	20,9	19,9	20,7	20,3	21,2	21,6
<b>4H</b>	<b>12H</b>	19,1	20,0	19,6	20,4	20,9	19,9	20,7	20,4	21,2	21,7
<b>8H</b>	<b>4H</b>	18,9	19,8	19,4	20,2	20,7	19,5	20,4	20,0	20,8	21,3
<b>8H</b>	<b>6H</b>	19,3	20,0	19,8	20,5	21,0	20,0	20,7	20,4	21,2	21,7
<b>8H</b>	<b>8H</b>	19,5	20,1	20,0	20,6	21,1	20,2	20,8	20,7	21,3	21,8
<b>8H</b>	<b>12H</b>	19,5	20,1	20,0	20,6	21,1	20,2	20,8	20,8	21,3	21,8
<b>12H</b>	<b>4H</b>	18,9	19,8	19,4	20,2	20,7	19,5	20,3	20,0	20,8	21,3
<b>12H</b>	<b>6H</b>	19,4	20,0	19,9	20,5	21,0	20,0	20,7	20,5	21,2	21,7
<b>12H</b>	<b>8H</b>	19,5	20,1	20,0	20,6	21,1	20,2	20,7	20,7	21,3	21,8

UGR values are corrected for lamp flux of 4080 lm by 4,9

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**Luminance [cd/m<sup>2</sup>] LNS LED 30W DOZ [872x297mm] / 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	3204,67	3166,70	3187,58	3259,76	3388,37	3568,15	3807,68	3568,15	3388,37
50,00	3016,44	2980,27	3001,49	3079,31	3217,88	3418,94	3686,92	3418,94	3217,88
55,00	2805,53	2770,22	2790,59	2875,29	3023,87	3244,25	3537,20	3244,25	3023,87
60,00	2566,17	2521,93	2547,76	2633,59	2793,67	3028,82	3357,41	3028,82	2793,67
65,00	2274,29	2231,58	2256,84	2345,88	2505,78	2755,43	3117,91	2755,43	2505,78
70,00	1920,53	1879,08	1901,62	1985,95	2146,39	2402,37	2784,04	2402,37	2146,39
75,00	1488,34	1449,63	1470,34	1543,73	1693,68	1936,63	2334,04	1936,63	1693,68
80,00	976,85	938,49	961,80	1009,47	1137,74	1334,81	1703,87	1334,81	1137,74
85,00	445,21	414,57	431,64	445,24	531,64	630,44	937,81	630,44	531,64

G/C [cd/	135,00	150,00	165,00	180,00	195,00	210,00	225,00	240,00	255,00
45,00	3259,76	3187,58	3166,70	3204,67	3166,70	3187,58	3259,76	3388,37	3568,15
50,00	3079,31	3001,49	2980,27	3016,44	2980,27	3001,49	3079,31	3217,88	3418,94
55,00	2875,29	2790,59	2770,22	2805,53	2770,22	2790,59	2875,29	3023,87	3244,25
60,00	2633,59	2547,76	2521,93	2566,17	2521,93	2547,76	2633,59	2793,67	3028,82
65,00	2345,88	2256,84	2231,58	2274,29	2231,58	2256,84	2345,88	2505,78	2755,43
70,00	1985,95	1901,62	1879,08	1920,53	1879,08	1901,62	1985,95	2146,39	2402,37
75,00	1543,73	1470,34	1449,63	1488,34	1449,63	1470,34	1543,73	1693,68	1936,63
80,00	1009,47	961,80	938,49	976,85	938,49	961,80	1009,47	1137,74	1334,81
85,00	445,24	431,64	414,57	445,21	414,57	431,64	445,24	531,64	630,44

G/C [cd/	270,00	285,00	300,00	315,00	330,00	345,00
45,00	3807,68	3568,15	3388,37	3259,76	3187,58	3166,70
50,00	3686,92	3418,94	3217,88	3079,31	3001,49	2980,27
55,00	3537,20	3244,25	3023,87	2875,29	2790,59	2770,22
60,00	3357,41	3028,82	2793,67	2633,59	2547,76	2521,93
65,00	3117,91	2755,43	2505,78	2345,88	2256,84	2231,58
70,00	2784,04	2402,37	2146,39	1985,95	1901,62	1879,08
75,00	2334,04	1936,63	1693,68	1543,73	1470,34	1449,63
80,00	1703,87	1334,81	1137,74	1009,47	961,80	938,49
85,00	937,81	630,44	531,64	445,24	431,64	414,57

**HEADQUARTERS**

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