

**PHOTOMETRIC RESULTS**

<b>Name:</b>	<b>CONCEPT O / T 39W gCONTROL [Ø650mm]</b>		
<b>Number:</b>	01	<b>Diameter:</b>	650 mm
<b>Report:</b>	09-11-2016	<b>Length:</b>	0 mm
<b>Meas.-no.:</b>	01	<b>Width:</b>	0 mm
<b>Lamp type:</b>	LED 840 - 01	<b>Height:</b>	115 mm
<b>Number:</b>	1	<b>Power:</b>	39,19 W
<b>Lamp flux:</b>	5640,00 lm	<b>Operator:</b>	INDELAGUE GROUP
<b>Date:</b>	09-11-2016 14:53:49	<b>Output ratio:</b>	60,5 %

**Protocol**

**LiTG-class:** A50  
**UTE-class:** 0,61 C  
**IES-class:** 64 - 90 - 98 - 100 - 61  
**TM5-class:** B22

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

	Horizontal	Vertical
<b>One half peak divergence</b>	76,1°	75,9°
<b>Half peak side angle (left)</b>	-38,1°	-37,9°
<b>Half peak side angle (right)</b>	38,1°	37,9°
<b>One tenth peak divergence</b>	129,3°	129,4°
<b>Tenth peak side angle (left)</b>	-64,7°	-64,7°
<b>Tenth peak side angle (right)</b>	64,7°	64,7°

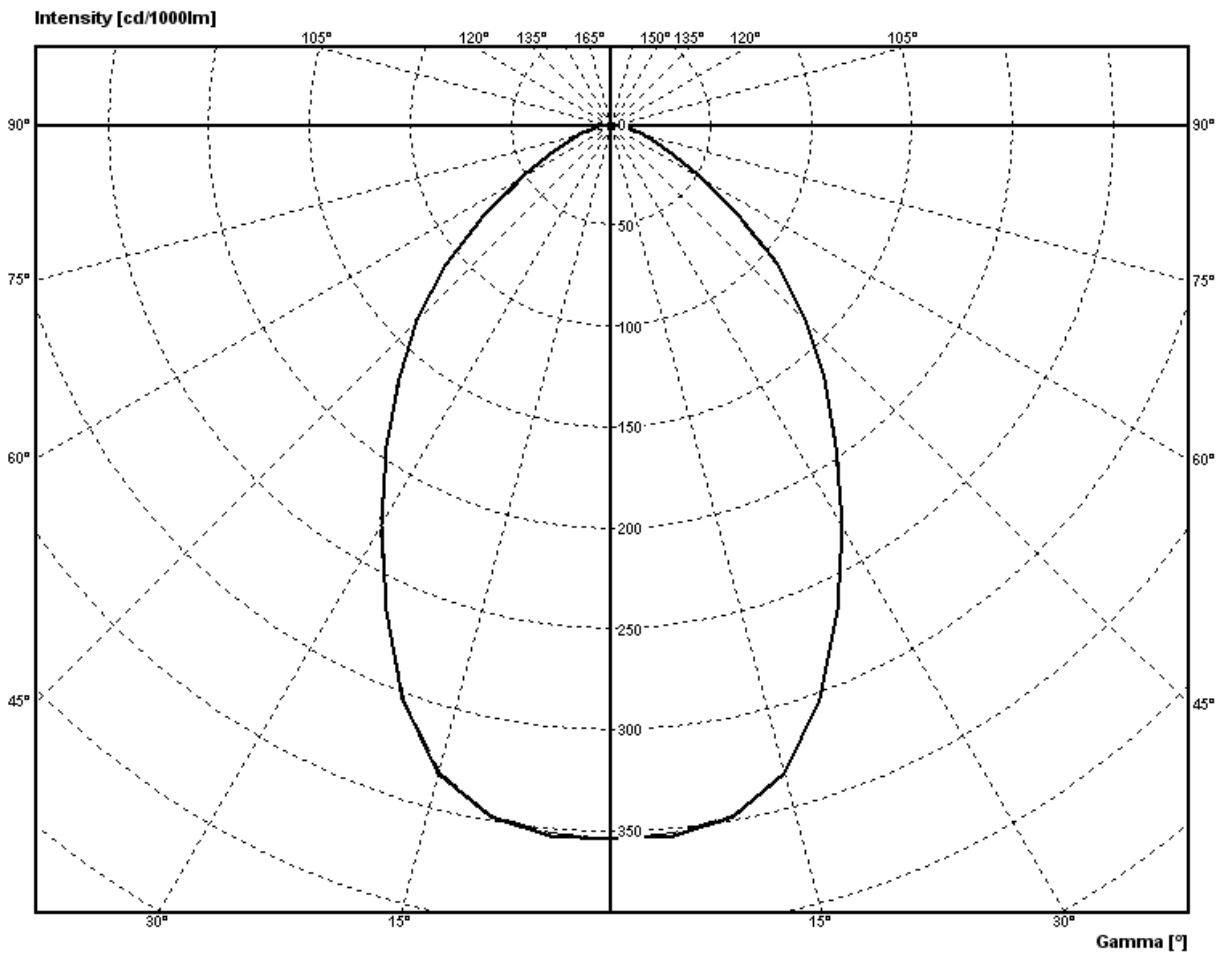
<b>C-planes:</b>	0,0°	15,0°	30,0°	45,0°	60,0°	75,0°	90,0°	105,0°	120,0°	135,0°
	150,0°	165,0°	180,0°	195,0°	210,0°	225,0°	240,0°	255,0°	270,0°	285,0°
	300,0°	315,0°	330,0°	345,0°						

<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 CONCEPT O /T 39W gCONTROL [Ø650mm] / 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>	15,0	16,4	15,4	16,7	17,0	15,0	16,4	15,3	16,7	17,0
<b>2H</b>	<b>3H</b>	15,4	16,7	15,8	17,0	17,4	15,4	16,6	15,7	17,0	17,3
<b>2H</b>	<b>4H</b>	15,5	16,7	15,9	17,1	17,4	15,5	16,7	15,9	17,0	17,4
<b>2H</b>	<b>6H</b>	15,6	16,7	16,0	17,1	17,5	15,6	16,7	16,0	17,0	17,4
<b>2H</b>	<b>8H</b>	15,6	16,7	16,0	17,0	17,4	15,5	16,6	16,0	17,0	17,4
<b>2H</b>	<b>12H</b>	15,6	16,6	16,0	17,0	17,4	15,5	16,5	16,0	16,9	17,3
<b>4H</b>	<b>2H</b>	15,3	16,4	15,6	16,8	17,2	15,2	16,4	15,6	16,8	17,1
<b>4H</b>	<b>3H</b>	15,7	16,7	16,2	17,1	17,5	15,7	16,7	16,1	17,1	17,5
<b>4H</b>	<b>4H</b>	16,0	16,8	16,4	17,2	17,7	15,9	16,8	16,3	17,2	17,6
<b>4H</b>	<b>6H</b>	16,0	16,8	16,5	17,3	17,7	16,0	16,8	16,4	17,2	17,6
<b>4H</b>	<b>8H</b>	16,1	16,8	16,6	17,2	17,7	16,0	16,7	16,5	17,2	17,7
<b>4H</b>	<b>12H</b>	16,1	16,8	16,6	17,2	17,7	16,1	16,7	16,5	17,2	17,7
<b>8H</b>	<b>4H</b>	15,9	16,6	16,4	17,1	17,6	15,9	16,6	16,4	17,0	17,5
<b>8H</b>	<b>6H</b>	16,0	16,7	16,5	17,1	17,6	16,0	16,6	16,5	17,1	17,6
<b>8H</b>	<b>8H</b>	16,2	16,7	16,7	17,2	17,7	16,1	16,6	16,6	17,1	17,6
<b>8H</b>	<b>12H</b>	16,2	16,6	16,7	17,2	17,7	16,1	16,6	16,7	17,1	17,6
<b>12H</b>	<b>4H</b>	15,9	16,6	16,4	17,0	17,5	15,9	16,5	16,3	17,0	17,5
<b>12H</b>	<b>6H</b>	16,1	16,6	16,6	17,1	17,6	16,0	16,5	16,5	17,1	17,5
<b>12H</b>	<b>8H</b>	16,2	16,6	16,7	17,1	17,6	16,1	16,5	16,6	17,0	17,6

UGR values are corrected for lamp flux of 5640 lm by 6,0

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Luminance [cd/m<sup>2</sup>] CONCEPT O /T 39W gCONTROL [Ø650mm] / Direct in 15° C / 5° 

G/C [cd/	0,00	15,00	30,00	45,00	60,00	75,00	90,00	105,00	120,00
45,00	5114,61	5127,76	5121,56	5110,51	5101,21	5111,33	5133,58	5111,33	5101,21
50,00	4444,77	4446,65	4464,41	4489,42	4459,34	4413,99	4421,30	4413,99	4459,34
55,00	3566,29	3620,03	3705,53	3814,66	3725,06	3589,03	3431,82	3589,03	3725,06
60,00	2696,08	2776,88	2973,72	3079,47	2984,55	2774,39	2615,60	2774,39	2984,55
65,00	2154,27	2189,55	2344,81	2401,10	2287,93	2175,70	2154,26	2175,70	2287,93
70,00	1823,64	1797,96	1859,62	1863,52	1820,21	1749,79	1808,93	1749,79	1820,21
75,00	1535,32	1520,21	1504,28	1506,71	1492,41	1483,23	1489,98	1483,23	1492,41
80,00	1525,58	1376,90	1367,48	1313,63	1341,40	1394,98	1419,37	1394,98	1341,40
85,00	1923,76	1482,36	1463,37	1424,09	1470,89	1509,88	1769,86	1509,88	1470,89

G/C [cd/	135,00	150,00	165,00	180,00	195,00	210,00	225,00	240,00	255,00
45,00	5110,51	5121,56	5127,76	5114,61	5127,76	5121,56	5110,51	5101,21	5111,33
50,00	4489,42	4464,41	4446,65	4444,77	4446,65	4464,41	4489,42	4459,34	4413,99
55,00	3814,66	3705,53	3620,03	3566,29	3620,03	3705,53	3814,66	3725,06	3589,03
60,00	3079,47	2973,72	2776,88	2696,08	2776,88	2973,72	3079,47	2984,55	2774,39
65,00	2401,10	2344,81	2189,55	2154,27	2189,55	2344,81	2401,10	2287,93	2175,70
70,00	1863,52	1859,62	1797,96	1823,64	1797,96	1859,62	1863,52	1820,21	1749,79
75,00	1506,71	1504,28	1520,21	1535,32	1520,21	1504,28	1506,71	1492,41	1483,23
80,00	1313,63	1367,48	1376,90	1525,58	1376,90	1367,48	1313,63	1341,40	1394,98
85,00	1424,09	1463,37	1482,36	1923,76	1482,36	1463,37	1424,09	1470,89	1509,88

G/C [cd/	270,00	285,00	300,00	315,00	330,00	345,00
45,00	5133,58	5111,33	5101,21	5110,51	5121,56	5127,76
50,00	4421,30	4413,99	4459,34	4489,42	4464,41	4446,65
55,00	3431,82	3589,03	3725,06	3814,66	3705,53	3620,03
60,00	2615,60	2774,39	2984,55	3079,47	2973,72	2776,88
65,00	2154,26	2175,70	2287,93	2401,10	2344,81	2189,55
70,00	1808,93	1749,79	1820,21	1863,52	1859,62	1797,96
75,00	1489,98	1483,23	1492,41	1506,71	1504,28	1520,21
80,00	1419,37	1394,98	1341,40	1313,63	1367,48	1376,90
85,00	1769,86	1509,88	1470,89	1424,09	1463,37	1482,36

**HEADQUARTERS**

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