

## PHOTOMETRIC RESULTS

<b>Name:</b>	<b>TTP 70 LINE L0900 TOP 830 END HO</b>		
<b>Number:</b>	90486L090-50	<b>Diameter:</b>	0 mm
<b>Report:</b>	14-01-2020	<b>Length:</b>	900 mm
<b>Meas.-no.:</b>	01	<b>Width:</b>	70 mm
<b>Lamp type:</b>	LED 830 - 01	<b>Height:</b>	70 mm
<b>Number:</b>	1	<b>Power:</b>	40,67 W
<b>Lamp flux:</b>	5550,00 lm	<b>Operator:</b>	INDEL AGUE GROUP
<b>Date:</b>	14-01-2020 10:47:12	<b>Output ratio:</b>	80,4 %

## Protocol

**LiTG-class:** A31  
**UTE-class:** 0,73 G + 0,08 T  
**IES-class:** 42 - 71 - 90 - 90 - 80  
**TM5-class:** BZ5

<b>Divergences in the plane through maximum intensity:</b>	Horizontal	Vertical
<b>One half peak divergence</b>	102,2°	130,3°
<b>Half peak side angle (left)</b>	-51,1°	-65,1°
<b>Half peak side angle (right)</b>	51,1°	65,1°
<b>One tenth peak divergence</b>	156,4°	226,5°
<b>Tenth peak side angle (left)</b>	-78,2°	-113,3°
<b>Tenth peak side angle (right)</b>	78,2°	113,3°

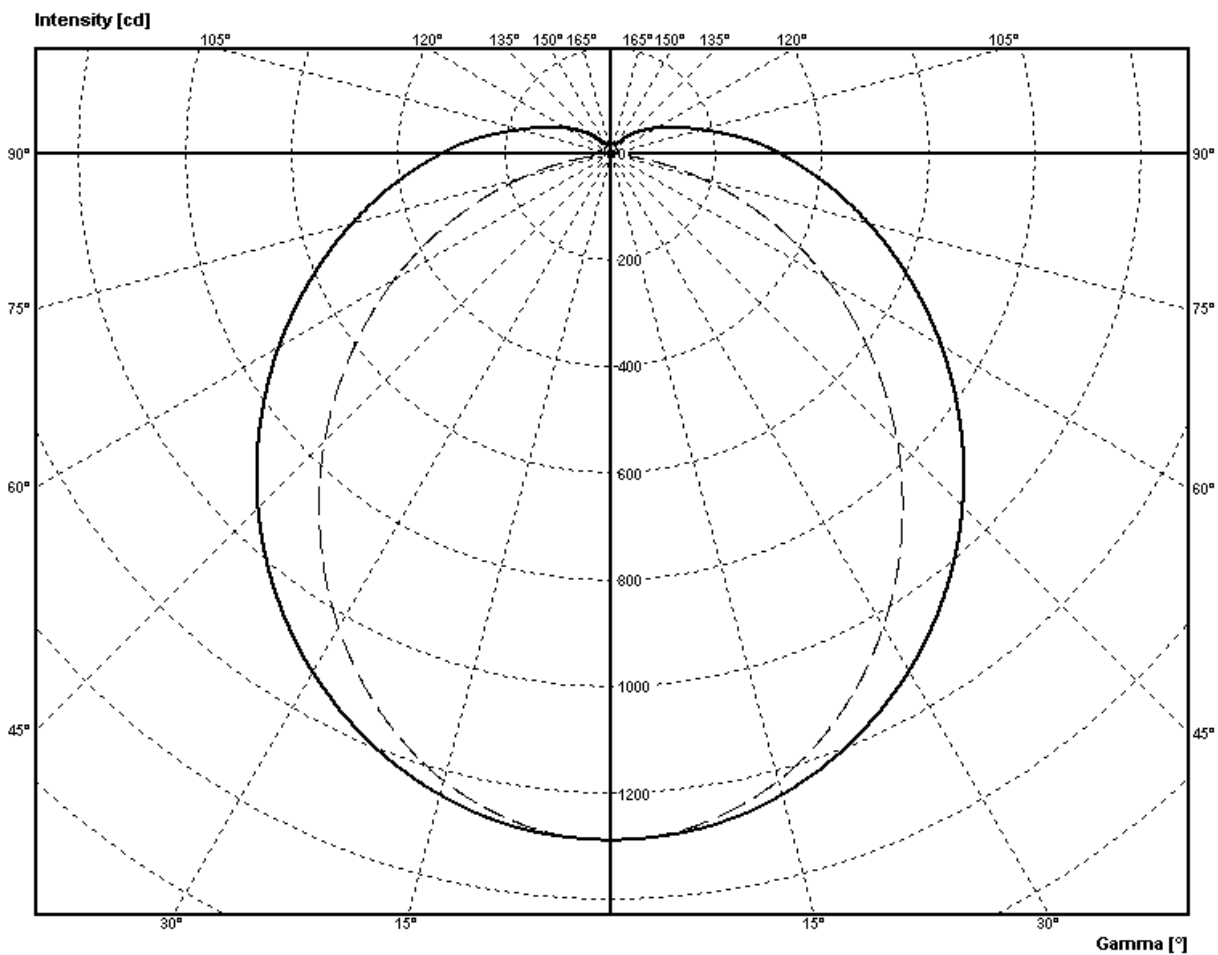
<b>C-planes:</b>	0,0°	15,0°	30,0°	45,0°	60,0°	75,0°	90,0°	105,0°	120,0°	135,0°
	150,0°	165,0°	180,0°	195,0°	210,0°	225,0°	240,0°	255,0°	270,0°	285,0°
	300,0°	315,0°	330,0°	345,0°						

<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°	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 TTP 70 LINE L0900 TOP 830 END HO / 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>		Viewed crosswise					Viewed endwise				
<b>2H</b>	<b>2H</b>	19,6	21,0	20,1	21,5	22,1	19,3	20,8	19,8	21,3	21,9
<b>2H</b>	<b>3H</b>	21,3	22,7	21,9	23,2	23,8	20,7	22,0	21,2	22,5	23,1
<b>2H</b>	<b>4H</b>	22,2	23,5	22,7	24,0	24,6	21,2	22,4	21,7	23,0	23,6
<b>2H</b>	<b>6H</b>	23,0	24,2	23,6	24,8	25,4	21,5	22,7	22,0	23,2	23,9
<b>2H</b>	<b>8H</b>	23,4	24,5	23,9	25,1	25,7	21,5	22,7	22,1	23,3	23,9
<b>2H</b>	<b>12H</b>	23,7	24,8	24,2	25,4	26,0	21,6	22,7	22,1	23,2	23,9
<b>4H</b>	<b>2H</b>	20,2	21,5	20,7	22,0	22,6	20,0	21,3	20,5	21,8	22,4
<b>4H</b>	<b>3H</b>	22,1	23,3	22,7	23,8	24,4	21,5	22,6	22,0	23,2	23,8
<b>4H</b>	<b>4H</b>	23,2	24,2	23,8	24,8	25,4	22,1	23,1	22,7	23,7	24,4
<b>4H</b>	<b>6H</b>	24,2	25,1	24,8	25,7	26,3	22,5	23,5	23,1	24,1	24,7
<b>4H</b>	<b>8H</b>	24,6	25,5	25,2	26,1	26,8	22,7	23,5	23,3	24,1	24,8
<b>4H</b>	<b>12H</b>	25,1	25,9	25,7	26,5	27,2	22,8	23,6	23,4	24,1	24,9
<b>8H</b>	<b>4H</b>	23,5	24,3	24,1	24,9	25,6	22,5	23,4	23,1	24,0	24,7
<b>8H</b>	<b>6H</b>	24,6	25,4	25,2	26,0	26,7	23,1	23,8	23,7	24,5	25,2
<b>8H</b>	<b>8H</b>	25,3	25,9	25,9	26,6	27,3	23,4	24,0	24,0	24,7	25,4
<b>8H</b>	<b>12H</b>	25,9	26,5	26,5	27,1	27,8	23,5	24,1	24,2	24,8	25,5
<b>12H</b>	<b>4H</b>	23,5	24,3	24,1	24,9	25,6	22,6	23,4	23,2	24,0	24,7
<b>12H</b>	<b>6H</b>	24,8	25,4	25,4	26,1	26,7	23,3	24,0	24,0	24,6	25,3
<b>12H</b>	<b>8H</b>	25,4	26,0	26,1	26,6	27,3	23,6	24,2	24,3	24,8	25,6

UGR values are corrected for lamp flux of 5550 lm by 6,0

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Luminance [cd/m<sup>2</sup>] TTP 70 LINE L0900 TOP 830 END HO / 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	10599,6	10535,8	10592,0	10877,3	11596,1	13101,8	15987,2	13101,8	11596,1
50,00	9841,58	9759,74	9771,46	9975,65	10610,7	12088,2	15148,8	12088,2	10610,7
55,00	9111,90	9024,89	8987,44	9112,07	9630,92	11023,0	14247,4	11023,0	9630,92
60,00	8436,11	8320,80	8251,25	8281,33	8663,80	9889,84	13282,8	9889,84	8663,80
65,00	7775,20	7662,85	7550,61	7494,26	7714,92	8705,69	12085,8	8705,69	7714,92
70,00	7164,44	7047,35	6891,06	6750,38	6778,89	7404,92	10579,8	7404,92	6778,89
75,00	6585,81	6475,81	6281,42	6056,18	5907,57	6031,82	8705,67	6031,82	5907,57
80,00	6062,87	5941,74	5727,64	5427,85	5074,67	4656,87	6284,15	4656,87	5074,67
85,00	5574,47	5451,27	5224,00	4857,03	4336,04	3408,73	3313,09	3408,73	4336,04

G/C [cd/	135,00	150,00	165,00	180,00	195,00	210,00	225,00	240,00	255,00
45,00	10877,3	10592,0	10535,8	10599,6	10535,8	10592,0	10877,3	11596,1	13101,8
50,00	9975,65	9771,46	9759,74	9841,58	9759,74	9771,46	9975,65	10610,7	12088,2
55,00	9112,07	8987,44	9024,89	9111,90	9024,89	8987,44	9112,07	9630,92	11023,0
60,00	8281,33	8251,25	8320,80	8436,11	8320,80	8251,25	8281,33	8663,80	9889,84
65,00	7494,26	7550,61	7662,85	7775,20	7662,85	7550,61	7494,26	7714,92	8705,69
70,00	6750,38	6891,06	7047,35	7164,44	7047,35	6891,06	6750,38	6778,89	7404,92
75,00	6056,18	6281,42	6475,81	6585,81	6475,81	6281,42	6056,18	5907,57	6031,82
80,00	5427,85	5727,64	5941,74	6062,87	5941,74	5727,64	5427,85	5074,67	4656,87
85,00	4857,03	5224,00	5451,27	5574,47	5451,27	5224,00	4857,03	4336,04	3408,73

G/C [cd/	270,00	285,00	300,00	315,00	330,00	345,00
45,00	15987,2	13101,8	11596,1	10877,3	10592,0	10535,8
50,00	15148,8	12088,2	10610,7	9975,65	9771,46	9759,74
55,00	14247,4	11023,0	9630,92	9112,07	8987,44	9024,89
60,00	13282,8	9889,84	8663,80	8281,33	8251,25	8320,80
65,00	12085,8	8705,69	7714,92	7494,26	7550,61	7662,85
70,00	10579,8	7404,92	6778,89	6750,38	6891,06	7047,35
75,00	8705,67	6031,82	5907,57	6056,18	6281,42	6475,81
80,00	6284,15	4656,87	5074,67	5427,85	5727,64	5941,74
85,00	3313,09	3408,73	4336,04	4857,03	5224,00	5451,27

## HEADQUARTERS

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