

## PHOTOMETRIC RESULTS

<b>Name:</b>	<b>TTP 70 LINE L0620 TOP 830 SRT/MID LO</b>		
<b>Number:</b>	90488L060-58	<b>Diameter:</b>	0 mm
<b>Report:</b>	14-01-2020	<b>Length:</b>	620 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>	12,66 W
<b>Lamp flux:</b>	1720,00 lm	<b>Operator:</b>	INDEL AGUE GROUP
<b>Date:</b>	14-01-2020 10:59:26	<b>Output ratio:</b>	85,3 %

## Protocol

**LiTG-class:** A31  
**UTE-class:** 0,77 G + 0,08 T  
**IES-class:** 42 - 71 - 90 - 90 - 85  
**TM5-class:** BZ5

<b>Divergences in the plane through maximum intensity:</b>	Horizontal	Vertical
<b>One half peak divergence</b>	102,3°	130,2°
<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°

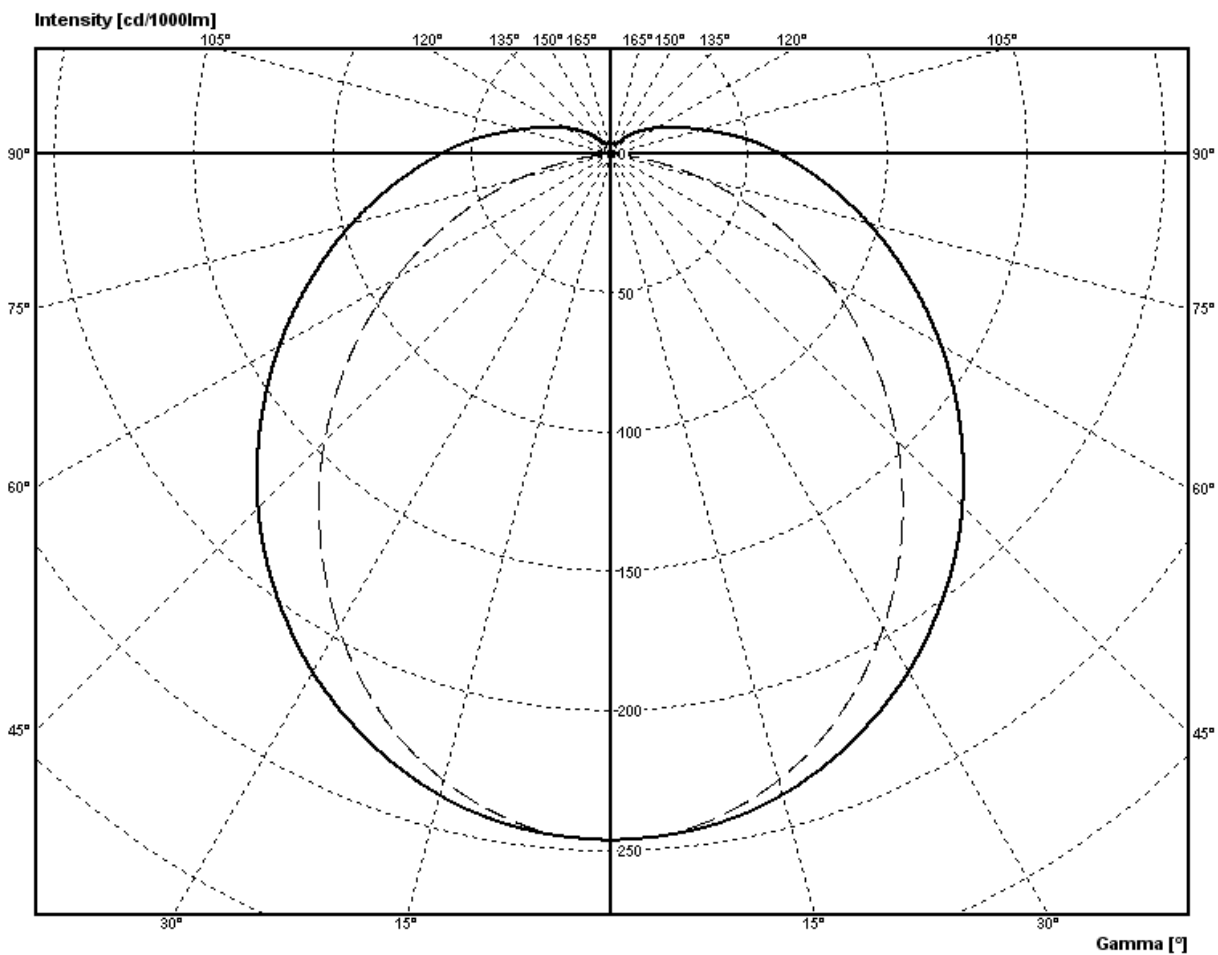
<b>C-planes:</b>	0,0°	15,0°	30,0°	45,0°	60,0°	75,0°	90,0°	105,0°	120,0°	135,0°
	150,0°	165,0°	180,0°	195,0°	210,0°	225,0°	240,0°	255,0°	270,0°	285,0°
	300,0°	315,0°	330,0°	345,0°						

<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 L0620 TOP 830 SRT/MID LO / 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>	17,0	18,5	17,5	19,0	19,5	16,7	18,1	17,2	18,6	19,2
<b>2H</b>	<b>3H</b>	18,8	20,1	19,3	20,6	21,2	18,0	19,3	18,5	19,9	20,4
<b>2H</b>	<b>4H</b>	19,6	20,9	20,2	21,4	22,0	18,4	19,7	19,0	20,3	20,9
<b>2H</b>	<b>6H</b>	20,4	21,7	21,0	22,2	22,8	18,8	20,0	19,3	20,5	21,1
<b>2H</b>	<b>8H</b>	20,8	22,0	21,3	22,5	23,1	18,8	20,0	19,4	20,5	21,2
<b>2H</b>	<b>12H</b>	21,1	22,3	21,7	22,8	23,4	18,8	20,0	19,4	20,5	21,1
<b>4H</b>	<b>2H</b>	17,6	18,9	18,1	19,4	20,0	17,3	18,6	17,8	19,1	19,7
<b>4H</b>	<b>3H</b>	19,6	20,7	20,1	21,2	21,9	18,8	19,9	19,3	20,5	21,1
<b>4H</b>	<b>4H</b>	20,6	21,6	21,2	22,2	22,9	19,4	20,4	20,0	21,0	21,7
<b>4H</b>	<b>6H</b>	21,6	22,5	22,2	23,1	23,7	19,8	20,7	20,4	21,3	22,0
<b>4H</b>	<b>8H</b>	22,0	22,9	22,6	23,5	24,2	19,9	20,8	20,6	21,4	22,1
<b>4H</b>	<b>12H</b>	22,5	23,3	23,1	23,9	24,6	20,0	20,8	20,6	21,4	22,1
<b>8H</b>	<b>4H</b>	20,9	21,7	21,5	22,3	23,0	19,8	20,7	20,4	21,3	22,0
<b>8H</b>	<b>6H</b>	22,0	22,8	22,7	23,4	24,1	20,4	21,1	21,0	21,8	22,5
<b>8H</b>	<b>8H</b>	22,7	23,3	23,3	24,0	24,7	20,7	21,3	21,3	22,0	22,7
<b>8H</b>	<b>12H</b>	23,3	23,9	23,9	24,5	25,2	20,8	21,4	21,5	22,0	22,7
<b>12H</b>	<b>4H</b>	20,9	21,7	21,5	22,3	23,0	19,9	20,7	20,6	21,3	22,0
<b>12H</b>	<b>6H</b>	22,2	22,8	22,8	23,5	24,2	20,6	21,3	21,3	21,9	22,6
<b>12H</b>	<b>8H</b>	22,8	23,4	23,5	24,0	24,8	20,9	21,5	21,6	22,1	22,8

UGR values are corrected for lamp flux of 1720 lm by 1,9

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Luminance [cd/m<sup>2</sup>] TTP 70 LINE L0620 TOP 830 SRT/MID LO / 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	5081,09	5027,25	5030,03	5135,96	5450,05	6124,79	7418,94	6124,79	5450,05
50,00	4712,70	4652,96	4636,01	4707,40	4975,26	5626,76	6994,95	5626,76	4975,26
55,00	4364,95	4300,67	4260,00	4291,55	4500,87	5112,78	6534,25	5112,78	4500,87
60,00	4039,57	3965,48	3904,14	3893,05	4044,44	4567,54	6023,85	4567,54	4044,44
65,00	3725,27	3651,54	3570,33	3515,14	3588,98	3993,24	5428,91	3993,24	3588,98
70,00	3433,04	3352,30	3252,09	3158,24	3148,07	3373,47	4704,29	3373,47	3148,07
75,00	3158,62	3075,85	2960,94	2826,25	2727,82	2731,60	3796,72	2731,60	2727,82
80,00	2902,23	2821,38	2696,50	2528,75	2337,27	2090,63	2641,98	2090,63	2337,27
85,00	2669,12	2590,45	2454,39	2257,76	1986,01	1508,04	1290,12	1508,04	1986,01

G/C [cd/	135,00	150,00	165,00	180,00	195,00	210,00	225,00	240,00	255,00
45,00	5135,96	5030,03	5027,25	5081,09	5027,25	5030,03	5135,96	5450,05	6124,79
50,00	4707,40	4636,01	4652,96	4712,70	4652,96	4636,01	4707,40	4975,26	5626,76
55,00	4291,55	4260,00	4300,67	4364,95	4300,67	4260,00	4291,55	4500,87	5112,78
60,00	3893,05	3904,14	3965,48	4039,57	3965,48	3904,14	3893,05	4044,44	4567,54
65,00	3515,14	3570,33	3651,54	3725,27	3651,54	3570,33	3515,14	3588,98	3993,24
70,00	3158,24	3252,09	3352,30	3433,04	3352,30	3252,09	3158,24	3148,07	3373,47
75,00	2826,25	2960,94	3075,85	3158,62	3075,85	2960,94	2826,25	2727,82	2731,60
80,00	2528,75	2696,50	2821,38	2902,23	2821,38	2696,50	2528,75	2337,27	2090,63
85,00	2257,76	2454,39	2590,45	2669,12	2590,45	2454,39	2257,76	1986,01	1508,04

G/C [cd/	270,00	285,00	300,00	315,00	330,00	345,00
45,00	7418,94	6124,79	5450,05	5135,96	5030,03	5027,25
50,00	6994,95	5626,76	4975,26	4707,40	4636,01	4652,96
55,00	6534,25	5112,78	4500,87	4291,55	4260,00	4300,67
60,00	6023,85	4567,54	4044,44	3893,05	3904,14	3965,48
65,00	5428,91	3993,24	3588,98	3515,14	3570,33	3651,54
70,00	4704,29	3373,47	3148,07	3158,24	3252,09	3352,30
75,00	3796,72	2731,60	2727,82	2826,25	2960,94	3075,85
80,00	2641,98	2090,63	2337,27	2528,75	2696,50	2821,38
85,00	1290,12	1508,04	1986,01	2257,76	2454,39	2590,45

## HEADQUARTERS

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