

## PHOTOMETRIC RESULTS

<b>Name:</b>	<b>TTP 50 LINE L1180 TOP 830 SRT/MID LO</b>		
<b>Number:</b>	90484L120-58	<b>Diameter:</b>	0 mm
<b>Report:</b>	09-01-2020	<b>Length:</b>	1180 mm
<b>Meas.-no.:</b>	01	<b>Width:</b>	50 mm
<b>Lamp type:</b>	LED 830 - 01	<b>Height:</b>	50 mm
<b>Number:</b>	1	<b>Power:</b>	22,99 W
<b>Lamp flux:</b>	3440,00 lm	<b>Operator:</b>	INDEL AGUE GROUP
<b>Date:</b>	09-01-2020 16:46:42	<b>Output ratio:</b>	81,1 %

## Protocol

**LiTG-class:** A31  
**UTE-class:** 0,76 G + 0,05 T  
**IES-class:** 43 - 73 - 91 - 94 - 81  
**TM5-class:** BZ5

<b>Divergences in the plane through maximum intensity:</b>	Horizontal	Vertical
<b>One half peak divergence</b>	112,1°	125,1°
<b>Half peak side angle (left)</b>	-56,1°	-62,6°
<b>Half peak side angle (right)</b>	56,1°	62,6°
<b>One tenth peak divergence</b>	160,6°	205,8°
<b>Tenth peak side angle (left)</b>	-80,3°	-102,9°
<b>Tenth peak side angle (right)</b>	80,3°	102,9°

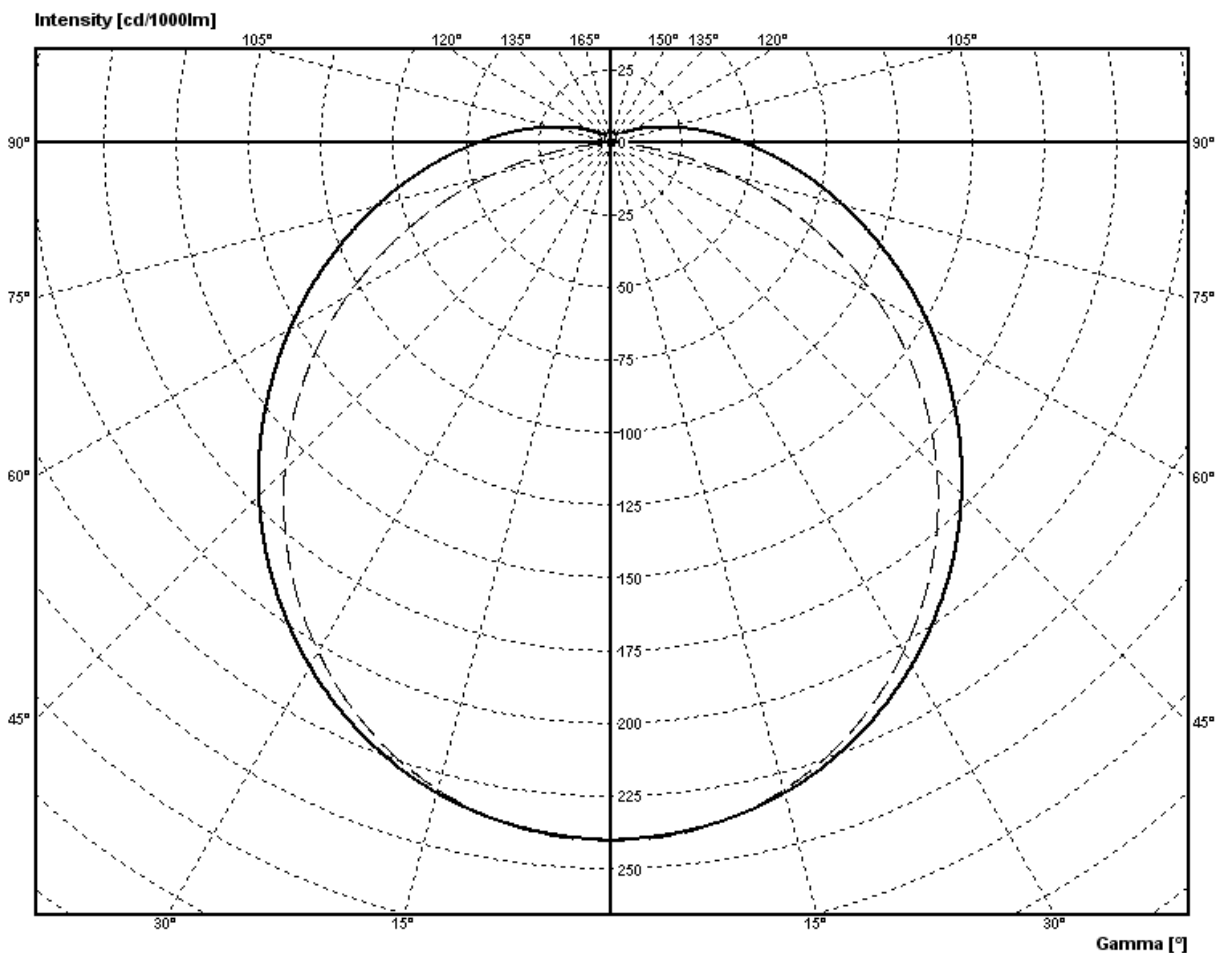
<b>C-planes:</b>	0,0°	15,0°	30,0°	45,0°	60,0°	75,0°	90,0°	105,0°	120,0°	135,0°
	150,0°	165,0°	180,0°	195,0°	210,0°	225,0°	240,0°	255,0°	270,0°	285,0°
	300,0°	315,0°	330,0°	345,0°						

<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 50 LINE L1180 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>	18,3	19,9	18,8	20,3	20,8	19,2	20,7	19,6	21,1	21,6
<b>2H</b>	<b>3H</b>	19,9	21,4	20,4	21,8	22,3	20,7	22,1	21,1	22,6	23,0
<b>2H</b>	<b>4H</b>	20,7	22,0	21,2	22,5	23,0	21,3	22,6	21,7	23,1	23,6
<b>2H</b>	<b>6H</b>	21,4	22,7	21,9	23,1	23,7	21,7	22,9	22,2	23,4	23,9
<b>2H</b>	<b>8H</b>	21,7	22,9	22,2	23,4	23,9	21,8	23,0	22,3	23,5	24,0
<b>2H</b>	<b>12H</b>	21,9	23,1	22,4	23,6	24,2	21,8	23,0	22,3	23,5	24,0
<b>4H</b>	<b>2H</b>	19,0	20,4	19,5	20,8	21,3	19,7	21,0	20,1	21,5	22,0
<b>4H</b>	<b>3H</b>	20,8	22,0	21,3	22,5	23,0	21,3	22,5	21,8	23,0	23,5
<b>4H</b>	<b>4H</b>	21,7	22,8	22,3	23,3	23,9	22,0	23,1	22,6	23,6	24,2
<b>4H</b>	<b>6H</b>	22,6	23,5	23,1	24,0	24,6	22,5	23,5	23,1	24,0	24,6
<b>4H</b>	<b>8H</b>	22,9	23,8	23,5	24,4	25,0	22,7	23,6	23,2	24,1	24,7
<b>4H</b>	<b>12H</b>	23,3	24,1	23,9	24,7	25,3	22,8	23,6	23,3	24,1	24,8
<b>8H</b>	<b>4H</b>	22,0	22,9	22,6	23,5	24,1	22,3	23,2	22,8	23,7	24,3
<b>8H</b>	<b>6H</b>	23,0	23,8	23,6	24,3	25,0	22,9	23,6	23,4	24,2	24,8
<b>8H</b>	<b>8H</b>	23,6	24,2	24,2	24,8	25,5	23,2	23,8	23,7	24,4	25,0
<b>8H</b>	<b>12H</b>	24,1	24,6	24,7	25,2	25,9	23,3	23,9	23,9	24,5	25,1
<b>12H</b>	<b>4H</b>	22,1	22,9	22,6	23,4	24,1	22,3	23,2	22,9	23,7	24,3
<b>12H</b>	<b>6H</b>	23,1	23,8	23,7	24,4	25,0	23,0	23,7	23,6	24,3	24,9
<b>12H</b>	<b>8H</b>	23,7	24,3	24,3	24,9	25,5	23,3	23,9	23,9	24,5	25,1

UGR values are corrected for lamp flux of 3440 lm by 4,3

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Luminance [cd/m<sup>2</sup>] TTP 50 LINE L1180 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	7109,83	7146,42	7386,21	7876,78	8730,19	10183,5	12662,6	10183,5	8730,19
50,00	6553,01	6583,32	6797,40	7247,90	8093,74	9598,41	12348,5	9598,41	8093,74
55,00	6004,30	6035,43	6205,05	6618,40	7408,50	8951,46	11965,8	8951,46	7408,50
60,00	5484,98	5492,05	5633,54	5974,39	6691,77	8192,88	11467,0	8192,88	6691,77
65,00	4974,80	4964,34	5057,69	5321,25	5917,86	7323,83	10808,5	7323,83	5917,86
70,00	4479,48	4449,16	4504,16	4670,96	5101,45	6271,01	9905,42	6271,01	5101,45
75,00	4001,70	3951,12	3950,19	3999,50	4238,11	5067,52	8593,35	5067,52	4238,11
80,00	3561,08	3484,74	3430,55	3367,97	3379,90	3737,68	6796,34	3737,68	3379,90
85,00	3124,48	3031,37	2940,33	2782,19	2596,44	2423,43	4267,63	2423,43	2596,44

G/C [cd/	135,00	150,00	165,00	180,00	195,00	210,00	225,00	240,00	255,00
45,00	7876,78	7386,21	7146,42	7109,83	7146,42	7386,21	7876,78	8730,19	10183,5
50,00	7247,90	6797,40	6583,32	6553,01	6583,32	6797,40	7247,90	8093,74	9598,41
55,00	6618,40	6205,05	6035,43	6004,30	6035,43	6205,05	6618,40	7408,50	8951,46
60,00	5974,39	5633,54	5492,05	5484,98	5492,05	5633,54	5974,39	6691,77	8192,88
65,00	5321,25	5057,69	4964,34	4974,80	4964,34	5057,69	5321,25	5917,86	7323,83
70,00	4670,96	4504,16	4449,16	4479,48	4449,16	4504,16	4670,96	5101,45	6271,01
75,00	3999,50	3950,19	3951,12	4001,70	3951,12	3950,19	3999,50	4238,11	5067,52
80,00	3367,97	3430,55	3484,74	3561,08	3484,74	3430,55	3367,97	3379,90	3737,68
85,00	2782,19	2940,33	3031,37	3124,48	3031,37	2940,33	2782,19	2596,44	2423,43

G/C [cd/	270,00	285,00	300,00	315,00	330,00	345,00
45,00	12662,6	10183,5	8730,19	7876,78	7386,21	7146,42
50,00	12348,5	9598,41	8093,74	7247,90	6797,40	6583,32
55,00	11965,8	8951,46	7408,50	6618,40	6205,05	6035,43
60,00	11467,0	8192,88	6691,77	5974,39	5633,54	5492,05
65,00	10808,5	7323,83	5917,86	5321,25	5057,69	4964,34
70,00	9905,42	6271,01	5101,45	4670,96	4504,16	4449,16
75,00	8593,35	5067,52	4238,11	3999,50	3950,19	3951,12
80,00	6796,34	3737,68	3379,90	3367,97	3430,55	3484,74
85,00	4267,63	2423,43	2596,44	2782,19	2940,33	3031,37

## HEADQUARTERS

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