

## PHOTOMETRIC RESULTS

<b>Name:</b>	<b>TTP 50 LINE L1180 TOP 840 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 840 - 01	<b>Height:</b>	50 mm
<b>Number:</b>	1	<b>Power:</b>	22,99 W
<b>Lamp flux:</b>	3800,00 lm	<b>Operator:</b>	INDEL AGUE GROUP
<b>Date:</b>	09-01-2020 15:50:31	<b>Output ratio:</b>	80,4 %

## Protocol

**LiTG-class:** A31  
**UTE-class:** 0,76 G + 0,05 T  
**IES-class:** 43 - 73 - 91 - 94 - 80  
**TM5-class:** BZ5

<b>Divergences in the plane through maximum intensity:</b>	Horizontal	Vertical
<b>One half peak divergence</b>	112,1°	124,6°
<b>Half peak side angle (left)</b>	-56,1°	-62,3°
<b>Half peak side angle (right)</b>	56,1°	62,3°
<b>One tenth peak divergence</b>	160,6°	203,9°
<b>Tenth peak side angle (left)</b>	-80,3°	-102,0°
<b>Tenth peak side angle (right)</b>	80,3°	102,0°

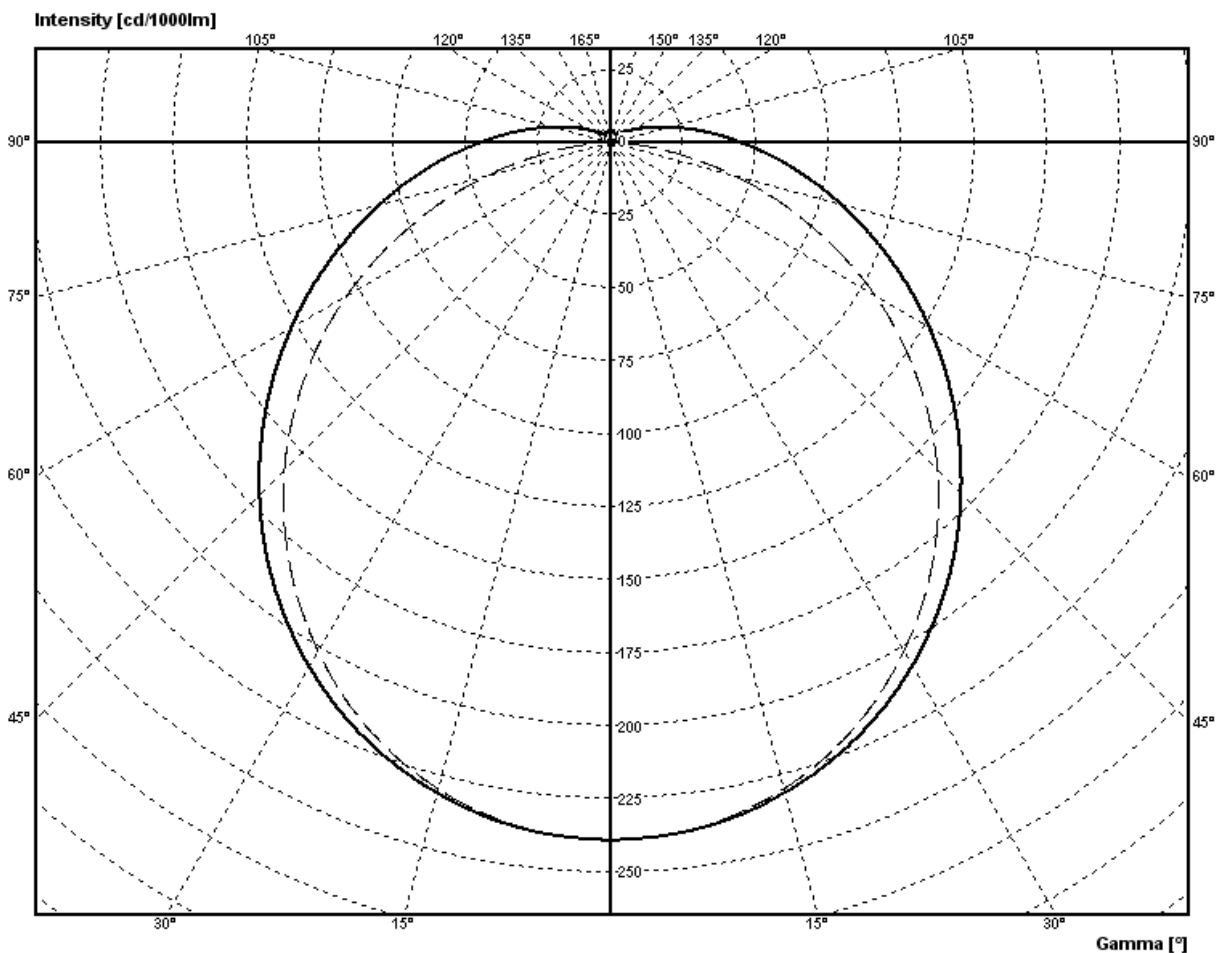
<b>C-planes:</b>	0,0°	15,0°	30,0°	45,0°	60,0°	75,0°	90,0°	105,0°	120,0°	135,0°
	150,0°	165,0°	180,0°	195,0°	210,0°	225,0°	240,0°	255,0°	270,0°	285,0°
	300,0°	315,0°	330,0°	345,0°						

<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 840 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>	18,7	20,2	19,1	20,6	21,1	19,5	21,1	20,0	21,5	22,0
<b>2H</b>	<b>3H</b>	20,3	21,7	20,7	22,1	22,6	21,0	22,4	21,5	22,9	23,4
<b>2H</b>	<b>4H</b>	21,0	22,4	21,5	22,8	23,3	21,6	23,0	22,1	23,4	23,9
<b>2H</b>	<b>6H</b>	21,7	23,0	22,2	23,4	24,0	22,0	23,3	22,5	23,8	24,3
<b>2H</b>	<b>8H</b>	22,0	23,2	22,5	23,7	24,2	22,1	23,3	22,6	23,8	24,3
<b>2H</b>	<b>12H</b>	22,2	23,4	22,7	23,9	24,4	22,1	23,3	22,6	23,8	24,4
<b>4H</b>	<b>2H</b>	19,3	20,7	19,8	21,2	21,7	20,0	21,4	20,5	21,8	22,3
<b>4H</b>	<b>3H</b>	21,1	22,3	21,6	22,8	23,3	21,7	22,8	22,2	23,3	23,9
<b>4H</b>	<b>4H</b>	22,1	23,1	22,6	23,6	24,2	22,4	23,4	22,9	24,0	24,5
<b>4H</b>	<b>6H</b>	22,8	23,8	23,4	24,3	24,9	22,9	23,8	23,4	24,3	24,9
<b>4H</b>	<b>8H</b>	23,2	24,1	23,8	24,7	25,2	23,0	23,9	23,6	24,4	25,0
<b>4H</b>	<b>12H</b>	23,6	24,4	24,2	25,0	25,6	23,1	23,9	23,7	24,5	25,1
<b>8H</b>	<b>4H</b>	22,3	23,2	22,9	23,8	24,4	22,6	23,5	23,2	24,1	24,6
<b>8H</b>	<b>6H</b>	23,3	24,1	23,9	24,6	25,2	23,2	24,0	23,8	24,5	25,2
<b>8H</b>	<b>8H</b>	23,9	24,5	24,4	25,1	25,7	23,5	24,2	24,1	24,8	25,4
<b>8H</b>	<b>12H</b>	24,3	24,9	24,9	25,5	26,1	23,6	24,2	24,2	24,8	25,4
<b>12H</b>	<b>4H</b>	22,4	23,2	22,9	23,7	24,4	22,7	23,5	23,2	24,0	24,7
<b>12H</b>	<b>6H</b>	23,4	24,1	24,0	24,7	25,3	23,4	24,0	23,9	24,6	25,2
<b>12H</b>	<b>8H</b>	24,0	24,5	24,6	25,2	25,8	23,6	24,2	24,2	24,8	25,4

UGR values are corrected for lamp flux of 3800 lm by 4,6

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Luminance [cd/m<sup>2</sup>] TTP 50 LINE L1180 TOP 840 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	7803,15	7864,04	8119,37	8658,63	9616,06	11217,1	13935,3	11217,1	9616,06
50,00	7181,25	7232,35	7463,89	7963,92	8898,72	10566,8	13573,5	10566,8	8898,72
55,00	6579,69	6613,25	6812,82	7273,87	8150,55	9847,69	13153,2	9847,69	8150,55
60,00	5997,41	6011,66	6170,92	6547,60	7361,88	9017,45	12628,5	9017,45	7361,88
65,00	5425,24	5424,64	5539,07	5837,16	6503,53	8036,91	11856,8	8036,91	6503,53
70,00	4867,42	4854,41	4918,94	5099,54	5592,15	6906,22	10881,4	6906,22	5592,15
75,00	4339,36	4309,50	4308,25	4366,71	4636,93	5561,37	9487,19	5561,37	4636,93
80,00	3835,76	3781,09	3725,04	3660,93	3696,38	4085,31	7471,88	4085,31	3696,38
85,00	3351,97	3282,00	3179,31	3004,00	2807,88	2626,90	4762,69	2626,90	2807,88

G/C [cd/	135,00	150,00	165,00	180,00	195,00	210,00	225,00	240,00	255,00
45,00	8658,63	8119,37	7864,04	7803,15	7864,04	8119,37	8658,63	9616,06	11217,1
50,00	7963,92	7463,89	7232,35	7181,25	7232,35	7463,89	7963,92	8898,72	10566,8
55,00	7273,87	6812,82	6613,25	6579,69	6613,25	6812,82	7273,87	8150,55	9847,69
60,00	6547,60	6170,92	6011,66	5997,41	6011,66	6170,92	6547,60	7361,88	9017,45
65,00	5837,16	5539,07	5424,64	5425,24	5424,64	5539,07	5837,16	6503,53	8036,91
70,00	5099,54	4918,94	4854,41	4867,42	4854,41	4918,94	5099,54	5592,15	6906,22
75,00	4366,71	4308,25	4309,50	4339,36	4309,50	4308,25	4366,71	4636,93	5561,37
80,00	3660,93	3725,04	3781,09	3835,76	3781,09	3725,04	3660,93	3696,38	4085,31
85,00	3004,00	3179,31	3282,00	3351,97	3282,00	3179,31	3004,00	2807,88	2626,90

G/C [cd/	270,00	285,00	300,00	315,00	330,00	345,00
45,00	13935,3	11217,1	9616,06	8658,63	8119,37	7864,04
50,00	13573,5	10566,8	8898,72	7963,92	7463,89	7232,35
55,00	13153,2	9847,69	8150,55	7273,87	6812,82	6613,25
60,00	12628,5	9017,45	7361,88	6547,60	6170,92	6011,66
65,00	11856,8	8036,91	6503,53	5837,16	5539,07	5424,64
70,00	10881,4	6906,22	5592,15	5099,54	4918,94	4854,41
75,00	9487,19	5561,37	4636,93	4366,71	4308,25	4309,50
80,00	7471,88	4085,31	3696,38	3660,93	3725,04	3781,09
85,00	4762,69	2626,90	2807,88	3004,00	3179,31	3282,00

## HEADQUARTERS

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