

## PHOTOMETRIC RESULTS

<b>Name:</b>	<b>TTP 50 LINE L0620 TOP 840 SRT/MID LO</b>		
<b>Number:</b>	90484L060-58	<b>Diameter:</b>	0 mm
<b>Report:</b>	13-01-2020	<b>Length:</b>	620 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>	12,66 W
<b>Lamp flux:</b>	1900,00 lm	<b>Operator:</b>	INDEL AGUE GROUP
<b>Date:</b>	13-01-2020 11:37:40	<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

## Divergences in the plane through maximum intensity:

	Horizontal	Vertical
One half peak divergence	111,6°	124,8°
Half peak side angle (left)	-55,8°	-62,4°
Half peak side angle (right)	55,8°	62,4°
One tenth peak divergence	160,1°	203,2°
Tenth peak side angle (left)	-80,0°	-101,6°
Tenth peak side angle (right)	80,0°	101,6°

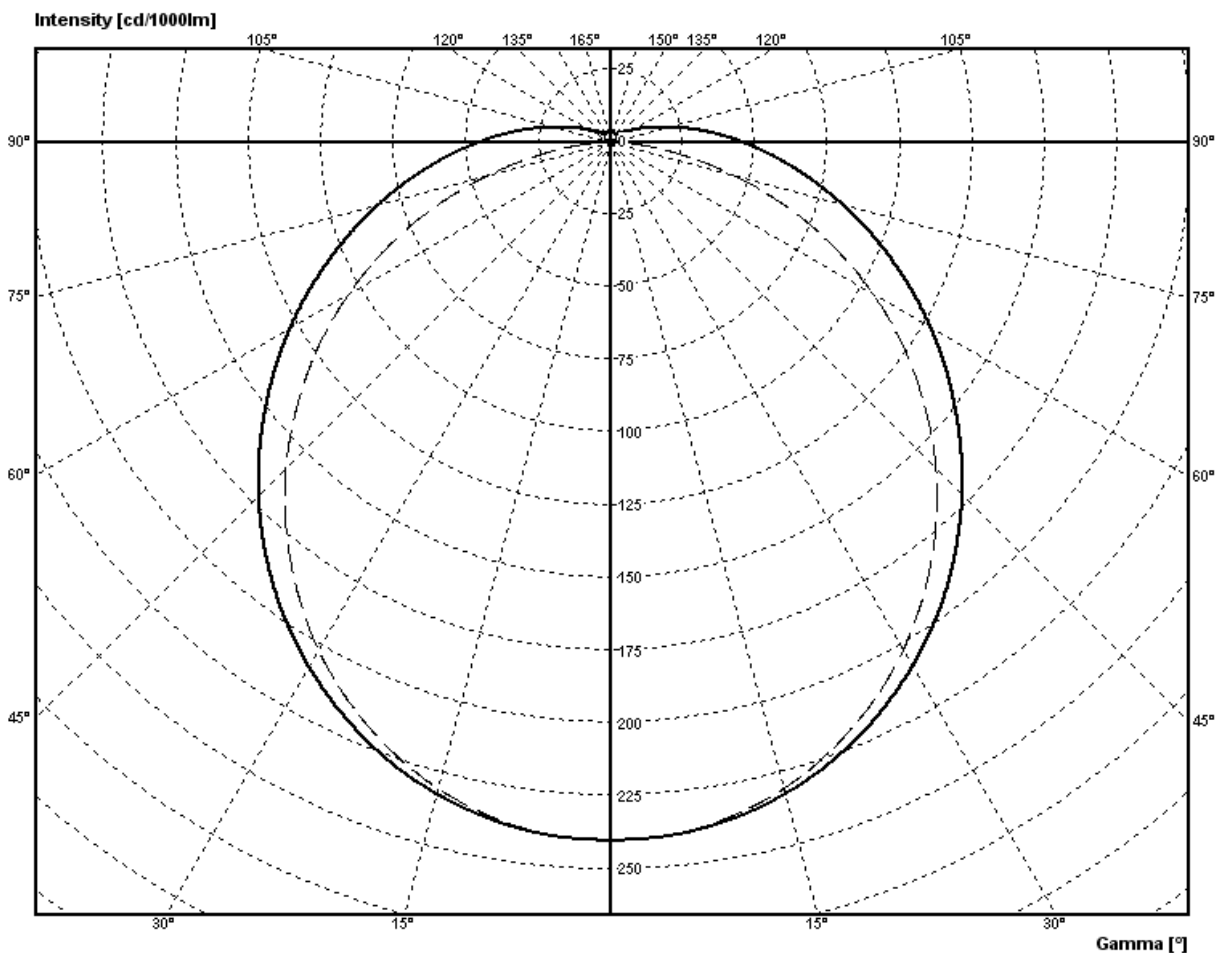
<b>C-planes:</b>	0,0°	15,0°	30,0°	45,0°	60,0°	75,0°	90,0°	105,0°	120,0°	135,0°
	150,0°	165,0°	180,0°	195,0°	210,0°	225,0°	240,0°	255,0°	270,0°	285,0°
	300,0°	315,0°	330,0°	345,0°						

<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 L0620 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>	18,5	20,1	19,0	20,5	21,0	19,2	20,8	19,7	21,2	21,7
<b>2H</b>	<b>3H</b>	20,1	21,6	20,6	22,0	22,5	20,7	22,1	21,2	22,6	23,1
<b>2H</b>	<b>4H</b>	20,9	22,2	21,4	22,7	23,2	21,3	22,6	21,7	23,1	23,6
<b>2H</b>	<b>6H</b>	21,6	22,8	22,1	23,3	23,8	21,6	22,9	22,1	23,4	23,9
<b>2H</b>	<b>8H</b>	21,8	23,1	22,3	23,6	24,1	21,7	22,9	22,2	23,4	23,9
<b>2H</b>	<b>12H</b>	22,1	23,3	22,6	23,8	24,3	21,7	22,9	22,2	23,4	23,9
<b>4H</b>	<b>2H</b>	19,2	20,5	19,7	21,0	21,5	19,7	21,1	20,2	21,6	22,1
<b>4H</b>	<b>3H</b>	21,0	22,1	21,5	22,6	23,2	21,4	22,5	21,9	23,0	23,6
<b>4H</b>	<b>4H</b>	21,9	23,0	22,4	23,5	24,0	22,1	23,1	22,6	23,6	24,2
<b>4H</b>	<b>6H</b>	22,7	23,7	23,2	24,2	24,8	22,5	23,4	23,0	24,0	24,5
<b>4H</b>	<b>8H</b>	23,1	24,0	23,6	24,5	25,1	22,6	23,5	23,2	24,1	24,6
<b>4H</b>	<b>12H</b>	23,5	24,3	24,0	24,8	25,4	22,7	23,5	23,3	24,1	24,7
<b>8H</b>	<b>4H</b>	22,2	23,1	22,7	23,6	24,2	22,3	23,2	22,8	23,7	24,3
<b>8H</b>	<b>6H</b>	23,1	23,9	23,7	24,5	25,1	22,8	23,6	23,4	24,2	24,8
<b>8H</b>	<b>8H</b>	23,7	24,4	24,3	25,0	25,6	23,1	23,8	23,7	24,4	25,0
<b>8H</b>	<b>12H</b>	24,2	24,8	24,8	25,4	26,0	23,2	23,8	23,8	24,4	25,0
<b>12H</b>	<b>4H</b>	22,2	23,0	22,8	23,6	24,2	22,4	23,2	22,9	23,7	24,3
<b>12H</b>	<b>6H</b>	23,3	23,9	23,9	24,5	25,1	23,0	23,7	23,6	24,3	24,9
<b>12H</b>	<b>8H</b>	23,8	24,4	24,4	25,0	25,6	23,2	23,8	23,8	24,4	25,0

UGR values are corrected for lamp flux of 1900 lm by 2,2

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Luminance [cd/m<sup>2</sup>] TTP 50 LINE L0620 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	7522,59	7524,37	7720,89	8171,70	9006,94	10445,1	12849,0	10445,1	9006,94
50,00	6920,25	6915,83	7080,74	7505,33	8315,99	9795,76	12417,3	9795,76	8315,99
55,00	6343,25	6327,64	6463,15	6837,58	7598,57	9076,20	11935,5	9076,20	7598,57
60,00	5788,31	5743,67	5849,87	6151,57	6824,39	8256,46	11325,7	8256,46	6824,39
65,00	5236,73	5178,01	5234,91	5455,94	6004,41	7322,77	10529,5	7322,77	6004,41
70,00	4706,03	4629,88	4636,21	4756,45	5137,92	6221,23	9453,61	6221,23	5137,92
75,00	4195,31	4098,15	4053,96	4061,66	4245,88	4942,96	7920,53	4942,96	4245,88
80,00	3704,91	3592,06	3501,45	3393,91	3358,01	3580,61	5890,29	3580,61	3358,01
85,00	3235,86	3115,54	2981,30	2777,45	2520,64	2235,28	3285,12	2235,28	2520,64

G/C [cd/	135,00	150,00	165,00	180,00	195,00	210,00	225,00	240,00	255,00
45,00	8171,70	7720,89	7524,37	7522,59	7524,37	7720,89	8171,70	9006,94	10445,1
50,00	7505,33	7080,74	6915,83	6920,25	6915,83	7080,74	7505,33	8315,99	9795,76
55,00	6837,58	6463,15	6327,64	6343,25	6327,64	6463,15	6837,58	7598,57	9076,20
60,00	6151,57	5849,87	5743,67	5788,31	5743,67	5849,87	6151,57	6824,39	8256,46
65,00	5455,94	5234,91	5178,01	5236,73	5178,01	5234,91	5455,94	6004,41	7322,77
70,00	4756,45	4636,21	4629,88	4706,03	4629,88	4636,21	4756,45	5137,92	6221,23
75,00	4061,66	4053,96	4098,15	4195,31	4098,15	4053,96	4061,66	4245,88	4942,96
80,00	3393,91	3501,45	3592,06	3704,91	3592,06	3501,45	3393,91	3358,01	3580,61
85,00	2777,45	2981,30	3115,54	3235,86	3115,54	2981,30	2777,45	2520,64	2235,28

G/C [cd/	270,00	285,00	300,00	315,00	330,00	345,00
45,00	12849,0	10445,1	9006,94	8171,70	7720,89	7524,37
50,00	12417,3	9795,76	8315,99	7505,33	7080,74	6915,83
55,00	11935,5	9076,20	7598,57	6837,58	6463,15	6327,64
60,00	11325,7	8256,46	6824,39	6151,57	5849,87	5743,67
65,00	10529,5	7322,77	6004,41	5455,94	5234,91	5178,01
70,00	9453,61	6221,23	5137,92	4756,45	4636,21	4629,88
75,00	7920,53	4942,96	4245,88	4061,66	4053,96	4098,15
80,00	5890,29	3580,61	3358,01	3393,91	3501,45	3592,06
85,00	3285,12	2235,28	2520,64	2777,45	2981,30	3115,54

## HEADQUARTERS

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