

## PHOTOMETRIC RESULTS

Name:	REBA 50 /T EXT LINE L1964 MID+INT SYM BLINE 840 HO		
Number:	90507+90497L007	Diameter:	0 mm
Report:	24-01-2020	Length:	1964 mm
Meas.-no.:	01	Width:	70 mm
Lamp type:	LED 840 - 01	Height:	114 mm
Number:	01	Power:	50,77 W
Lamp flux:	8260,00 lm	Operator:	INDEL AGUE GROUP
Date:	24-01-2020 12:31:16	Output ratio:	62,6 %

## Protocol

LiTG-class: A40  
UTE-class: 0,63 E  
IES-class: 50 - 80 - 95 - 100 - 63  
TM5-class: BZ5/0.75/BZ4

Divergences in the plane through maximum intensity:	Horizontal	Vertical
One half peak divergence	102,2°	100,4°
Half peak side angle (left)	-51,1°	-50,2°
Half peak side angle (right)	51,1°	50,2°
One tenth peak divergence	157,2°	160,5°
Tenth peak side angle (left)	-78,6°	-80,3°
Tenth peak side angle (right)	78,6°	80,3°

C-planes:	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°						

Gamma:	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°	

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Polar diagram REBA 50 /T EXT LINE L1964 MID+INT SYM BLINE 840 HO / Direct 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>	17,1	18,8	17,5	19,1	19,4	19,8	21,4	20,1	21,7	22,0
<b>2H</b>	<b>3H</b>	18,1	19,5	18,5	19,9	20,2	21,2	22,6	21,5	23,0	23,3
<b>2H</b>	<b>4H</b>	18,4	19,8	18,8	20,1	20,5	21,7	23,1	22,1	23,4	23,8
<b>2H</b>	<b>6H</b>	18,6	19,9	19,0	20,3	20,6	22,1	23,3	22,5	23,7	24,1
<b>2H</b>	<b>8H</b>	18,6	19,9	19,0	20,2	20,6	22,1	23,3	22,5	23,7	24,1
<b>2H</b>	<b>12H</b>	18,6	19,8	19,0	20,2	20,6	22,1	23,3	22,5	23,7	24,1
<b>4H</b>	<b>2H</b>	17,8	19,2	18,2	19,5	19,9	20,0	21,4	20,4	21,7	22,1
<b>4H</b>	<b>3H</b>	18,9	20,1	19,3	20,4	20,8	21,5	22,7	21,9	23,1	23,5
<b>4H</b>	<b>4H</b>	19,3	20,4	19,7	20,8	21,2	22,1	23,2	22,5	23,6	24,0
<b>4H</b>	<b>6H</b>	19,5	20,5	20,0	20,9	21,4	22,5	23,4	22,9	23,9	24,3
<b>4H</b>	<b>8H</b>	19,6	20,5	20,1	20,9	21,4	22,6	23,5	23,1	23,9	24,4
<b>4H</b>	<b>12H</b>	19,7	20,5	20,2	20,9	21,4	22,7	23,5	23,2	23,9	24,4
<b>8H</b>	<b>4H</b>	19,5	20,4	20,0	20,8	21,3	22,1	23,0	22,6	23,4	23,9
<b>8H</b>	<b>6H</b>	19,8	20,5	20,3	21,0	21,5	22,5	23,3	23,0	23,7	24,2
<b>8H</b>	<b>8H</b>	20,0	20,6	20,5	21,1	21,6	22,7	23,4	23,3	23,9	24,4
<b>8H</b>	<b>12H</b>	20,0	20,6	20,6	21,1	21,6	22,8	23,4	23,3	23,9	24,4
<b>12H</b>	<b>4H</b>	19,5	20,3	20,0	20,8	21,3	22,1	22,9	22,6	23,4	23,9
<b>12H</b>	<b>6H</b>	19,9	20,5	20,4	21,0	21,5	22,6	23,2	23,1	23,7	24,2
<b>12H</b>	<b>8H</b>	20,0	20,6	20,5	21,1	21,6	22,7	23,3	23,3	23,8	24,3

UGR values are corrected for lamp flux of 8260 lm by 7,3

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<b>Number:</b>	01	<b>Power:</b>	50,77 W
<b>Lamp flux:</b>	8260,00 lm	<b>Operator:</b>	INDEL AGUE GROUP
<b>Date:</b>	24-01-2020 12:31:16	<b>Output ratio:</b>	62,6 %

Luminance [cd/m<sup>2</sup>] REBA 50 /T EXT LINE L1964 MID+INT SYM BLINE 840 HO / Direct  
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	5237,56	5352,11	5776,01	6613,93	8126,42	11001,7	17674,7	11001,7	8126,42
50,00	4436,11	4540,29	4918,15	5671,12	7067,38	9823,83	16840,6	9823,83	7067,38
55,00	3714,54	3804,39	4137,13	4810,21	6059,02	8654,10	15934,8	8654,10	6059,02
60,00	3064,55	3132,64	3420,09	3989,65	5088,50	7451,10	14952,4	7451,10	5088,50
65,00	2451,02	2511,27	2743,32	3214,71	4148,47	6214,10	13786,2	6214,10	4148,47
70,00	1879,28	1930,30	2103,53	2472,70	3209,11	4931,71	12378,0	4931,71	3209,11
75,00	1351,19	1382,83	1508,86	1760,47	2298,37	3585,82	10434,9	3585,82	2298,37
80,00	878,27	892,15	966,94	1107,26	1438,05	2237,66	7957,07	2237,66	1438,05
85,00	475,26	478,80	512,25	557,13	688,55	1019,97	4836,82	1019,97	688,55

G/C [cd/	135,00	150,00	165,00	180,00	195,00	210,00	225,00	240,00	255,00
45,00	6613,93	5776,01	5352,11	5237,56	5352,11	5776,01	6613,93	8126,42	11001,7
50,00	5671,12	4918,15	4540,29	4436,11	4540,29	4918,15	5671,12	7067,38	9823,83
55,00	4810,21	4137,13	3804,39	3714,54	3804,39	4137,13	4810,21	6059,02	8654,10
60,00	3989,65	3420,09	3132,64	3064,55	3132,64	3420,09	3989,65	5088,50	7451,10
65,00	3214,71	2743,32	2511,27	2451,02	2511,27	2743,32	3214,71	4148,47	6214,10
70,00	2472,70	2103,53	1930,30	1879,28	1930,30	2103,53	2472,70	3209,11	4931,71
75,00	1760,47	1508,86	1382,83	1351,19	1382,83	1508,86	1760,47	2298,37	3585,82
80,00	1107,26	966,94	892,15	878,27	892,15	966,94	1107,26	1438,05	2237,66
85,00	557,13	512,25	478,80	475,26	478,80	512,25	557,13	688,55	1019,97

G/C [cd/	270,00	285,00	300,00	315,00	330,00	345,00
45,00	17674,7	11001,7	8126,42	6613,93	5776,01	5352,11
50,00	16840,6	9823,83	7067,38	5671,12	4918,15	4540,29
55,00	15934,8	8654,10	6059,02	4810,21	4137,13	3804,39
60,00	14952,4	7451,10	5088,50	3989,65	3420,09	3132,64
65,00	13786,2	6214,10	4148,47	3214,71	2743,32	2511,27
70,00	12378,0	4931,71	3209,11	2472,70	2103,53	1930,30
75,00	10434,9	3585,82	2298,37	1760,47	1508,86	1382,83
80,00	7957,07	2237,66	1438,05	1107,26	966,94	892,15
85,00	4836,82	1019,97	688,55	557,13	512,25	478,80

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