

## PHOTOMETRIC RESULTS

Name:	REBA 50 /T EXT LINE L1982 SRT/END+INT ASYM 840 HO		
Number:	90507-83+90500L007	Diameter:	0 mm
Report:	23-01-2020	Length:	1982 mm
Meas.-no.:	01	Width:	70 mm
Lamp type:	LED 840 - 01	Height:	114 mm
Number:	01	Power:	57,16 W
Lamp flux:	8729,00 lm	Operator:	INDEL AGUE GROUP
Date:	23-01-2020 15:20:22	Output ratio:	56,7 %

## Protocol

LiTG-class: A50  
UTE-class: 0,57 D  
IES-class: 60 - 88 - 97 - 100 - 57  
TM5-class: BZ3

Divergences in the plane through maximum intensity:	Horizontal	Vertical
One half peak divergence	94,2°	54,4°
Half peak side angle (left)	-47,1°	-39,9°
Half peak side angle (right)	47,1°	14,5°
One tenth peak divergence	141,1°	130,7°
Tenth peak side angle (left)	-70,6°	-62,4°
Tenth peak side angle (right)	70,6°	68,3°

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 L1982 SRT/END+INT ASYM 840 HO / Direct in 115°  
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>		<b>Viewed crosswise</b>					<b>Viewed endwise</b>				
<b>2H</b>	<b>2H</b>	15,3	16,8	15,6	17,1	17,4	19,4	20,9	19,8	21,2	21,5
<b>2H</b>	<b>3H</b>	15,8	17,1	16,1	17,4	17,8	20,1	21,4	20,5	21,7	22,1
<b>2H</b>	<b>4H</b>	15,9	17,2	16,3	17,5	17,9	20,3	21,6	20,7	21,9	22,3
<b>2H</b>	<b>6H</b>	16,1	17,2	16,5	17,6	18,0	20,5	21,7	20,9	22,0	22,4
<b>2H</b>	<b>8H</b>	16,0	17,1	16,5	17,5	17,9	20,5	21,6	20,9	22,0	22,4
<b>2H</b>	<b>12H</b>	16,0	17,1	16,4	17,5	17,9	20,5	21,6	21,0	22,0	22,4
<b>4H</b>	<b>2H</b>	15,8	17,0	16,2	17,4	17,7	19,4	20,7	19,8	21,0	21,4
<b>4H</b>	<b>3H</b>	16,4	17,4	16,8	17,8	18,2	20,1	21,2	20,6	21,6	22,0
<b>4H</b>	<b>4H</b>	16,6	17,6	17,1	18,0	18,4	20,5	21,4	20,9	21,8	22,3
<b>4H</b>	<b>6H</b>	16,8	17,6	17,2	18,0	18,5	20,7	21,5	21,1	21,9	22,4
<b>4H</b>	<b>8H</b>	16,8	17,6	17,3	18,0	18,5	20,8	21,5	21,2	22,0	22,4
<b>4H</b>	<b>12H</b>	16,9	17,6	17,3	18,0	18,5	20,8	21,5	21,3	22,0	22,5
<b>8H</b>	<b>4H</b>	16,7	17,5	17,2	18,0	18,4	20,4	21,2	20,9	21,6	22,1
<b>8H</b>	<b>6H</b>	16,9	17,6	17,4	18,1	18,6	20,6	21,3	21,1	21,8	22,3
<b>8H</b>	<b>8H</b>	17,1	17,6	17,6	18,1	18,6	20,8	21,3	21,3	21,9	22,3
<b>8H</b>	<b>12H</b>	17,1	17,6	17,6	18,1	18,6	20,8	21,3	21,4	21,8	22,3
<b>12H</b>	<b>4H</b>	16,8	17,5	17,2	17,9	18,4	20,4	21,1	20,9	21,5	22,1
<b>12H</b>	<b>6H</b>	17,0	17,6	17,5	18,1	18,6	20,7	21,2	21,2	21,7	22,2
<b>12H</b>	<b>8H</b>	17,1	17,6	17,6	18,1	18,6	20,8	21,2	21,3	21,7	22,3

UGR values are corrected for lamp flux of 8729 lm by 7,5

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Luminance [cd/m<sup>2</sup>] REBA 50 /T EXT LINE L1982 SRT/END+INT ASYM 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	3417,31	3533,64	3707,25	4270,83	5734,18	10107,0	21143,2	15030,7	10933,9
50,00	2876,90	2842,31	3029,53	3476,02	4658,01	7820,07	17482,2	11600,6	8202,61
55,00	2300,67	2267,84	2535,78	2848,19	3759,41	6053,06	14342,6	8640,15	5913,24
60,00	1814,95	1770,71	2103,38	2325,66	2991,61	4704,69	11668,4	6296,46	4180,36
65,00	1444,74	1412,99	1646,43	1825,70	2370,95	3533,84	9350,32	4447,53	2896,83
70,00	1133,89	1126,09	1241,19	1399,90	1780,11	2657,03	7451,87	3076,18	1944,43
75,00	854,99	829,07	917,88	1026,23	1310,55	2006,08	6142,37	2127,67	1324,69
80,00	622,59	548,28	628,68	698,59	894,14	1399,88	4984,25	1399,88	864,66
85,00	354,93	272,06	324,52	363,50	460,13	734,00	3372,40	734,00	454,96

G/C [cd/	135,00	150,00	165,00	180,00	195,00	210,00	225,00	240,00	255,00
45,00	8304,59	6987,47	5997,74	4171,28	5997,74	6987,47	8304,59	10933,9	15030,7
50,00	6209,70	4561,21	3649,49	2672,15	3649,49	4561,21	6209,70	8202,61	11600,6
55,00	4168,08	2994,09	2469,18	1962,49	2469,18	2994,09	4168,08	5913,24	8640,15
60,00	2809,45	2118,28	1798,24	1431,79	1798,24	2118,28	2809,45	4180,36	6296,46
65,00	1901,92	1507,01	1320,06	1044,81	1320,06	1507,01	1901,92	2896,83	4447,53
70,00	1308,90	1089,39	978,50	769,25	978,50	1089,39	1308,90	1944,43	3076,18
75,00	940,71	809,54	716,14	558,26	716,14	809,54	940,71	1324,69	2127,67
80,00	636,41	545,88	469,95	336,81	469,95	545,88	636,41	864,66	1399,88
85,00	352,14	311,92	274,92	193,12	274,92	311,92	352,14	454,96	734,00

G/C [cd/	270,00	285,00	300,00	315,00	330,00	345,00
45,00	21143,2	10107,0	5734,18	4270,83	3707,25	3533,64
50,00	17482,2	7820,07	4658,01	3476,02	3029,53	2842,31
55,00	14342,6	6053,06	3759,41	2848,19	2535,78	2267,84
60,00	11668,4	4704,69	2991,61	2325,66	2103,38	1770,71
65,00	9350,32	3533,84	2370,95	1825,70	1646,43	1412,99
70,00	7451,87	2657,03	1780,11	1399,90	1241,19	1126,09
75,00	6142,37	2006,08	1310,55	1026,23	917,88	829,07
80,00	4984,25	1399,88	894,14	698,59	628,68	548,28
85,00	3372,40	734,00	460,13	363,50	324,52	272,06

## HEADQUARTERS

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