

## PHOTOMETRIC RESULTS

Name:	REBA 50 /E EXT LINE L0847 SRT/END+INT SYM BLINE 840 HO		
Number:	90506-83+90497L003	Diameter:	0 mm
Report:	21-01-2020	Length:	847 mm
Meas.-no.:	01	Width:	62 mm
Lamp type:	LED 840 - 01	Height:	72 mm
Number:	1	Power:	21,79 W
Lamp flux:	3540,00 lm	Operator:	INDEL AGUE GROUP
Date:	24-01-2020 10:17:57	Output ratio:	63,5 %

## 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	101,5°	99,9°
Half peak side angle (left)	-50,7°	-50,0°
Half peak side angle (right)	50,7°	50,0°
One tenth peak divergence	157,0°	160,5°
Tenth peak side angle (left)	-78,5°	-80,3°
Tenth peak side angle (right)	78,5°	80,3°

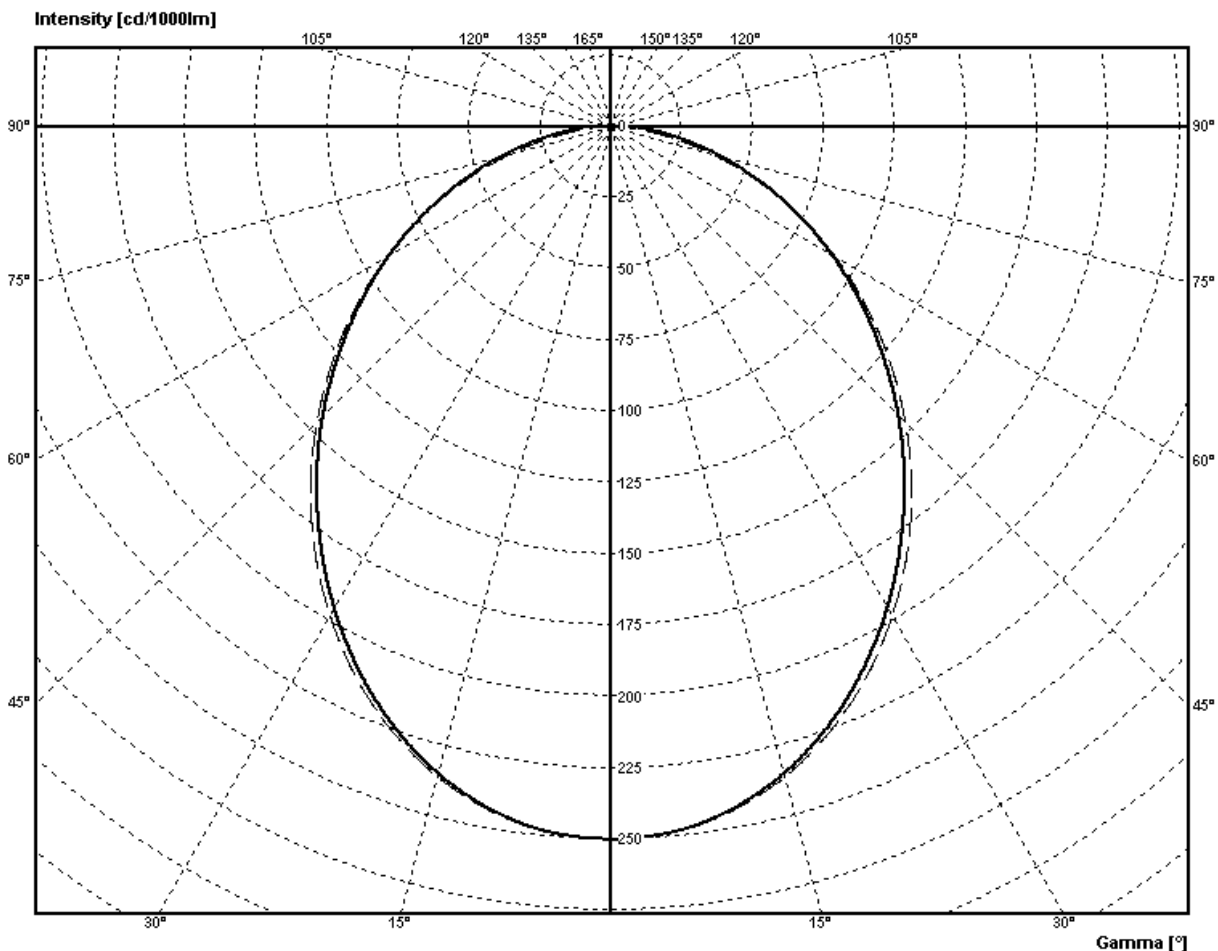
C-planes:	0,0°	15,0°	30,0°	45,0°	60,0°	75,0°	90,0°	105,0°	120,0°	135,0°
	150,0°	165,0°	180,0°	195,0°	210,0°	225,0°	240,0°	255,0°	270,0°	285,0°
	300,0°	315,0°	330,0°	345,0°						

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 /E EXT LINE L0847 SRT/END+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>		<b>Viewed crosswise</b>					<b>Viewed endwise</b>				
<b>2H</b>	<b>2H</b>	18,3	19,9	18,6	20,2	20,5	20,3	21,9	20,7	22,2	22,6
<b>2H</b>	<b>3H</b>	19,3	20,7	19,6	21,1	21,4	21,7	23,1	22,0	23,5	23,8
<b>2H</b>	<b>4H</b>	19,6	21,0	20,0	21,3	21,7	22,2	23,6	22,6	23,9	24,3
<b>2H</b>	<b>6H</b>	19,8	21,1	20,2	21,5	21,9	22,5	23,8	22,9	24,2	24,5
<b>2H</b>	<b>8H</b>	19,9	21,1	20,3	21,5	21,9	22,6	23,8	23,0	24,2	24,6
<b>2H</b>	<b>12H</b>	19,9	21,1	20,3	21,4	21,8	22,6	23,8	23,0	24,2	24,6
<b>4H</b>	<b>2H</b>	18,9	20,3	19,3	20,7	21,0	20,6	22,0	21,0	22,3	22,7
<b>4H</b>	<b>3H</b>	20,0	21,2	20,5	21,6	22,0	22,1	23,3	22,5	23,6	24,0
<b>4H</b>	<b>4H</b>	20,5	21,6	21,0	22,0	22,4	22,7	23,7	23,1	24,2	24,6
<b>4H</b>	<b>6H</b>	20,8	21,7	21,2	22,2	22,6	23,1	24,0	23,5	24,4	24,9
<b>4H</b>	<b>8H</b>	20,9	21,7	21,3	22,2	22,6	23,2	24,0	23,6	24,5	24,9
<b>4H</b>	<b>12H</b>	20,9	21,7	21,4	22,2	22,7	23,2	24,0	23,7	24,5	25,0
<b>8H</b>	<b>4H</b>	20,7	21,6	21,2	22,0	22,5	22,7	23,6	23,2	24,0	24,5
<b>8H</b>	<b>6H</b>	21,0	21,8	21,5	22,3	22,7	23,1	23,9	23,6	24,4	24,8
<b>8H</b>	<b>8H</b>	21,2	21,9	21,7	22,4	22,9	23,4	24,0	23,9	24,5	25,0
<b>8H</b>	<b>12H</b>	21,3	21,9	21,8	22,4	22,9	23,4	24,0	24,0	24,5	25,0
<b>12H</b>	<b>4H</b>	20,7	21,5	21,2	22,0	22,5	22,7	23,5	23,2	24,0	24,5
<b>12H</b>	<b>6H</b>	21,1	21,8	21,6	22,3	22,8	23,2	23,8	23,7	24,3	24,8
<b>12H</b>	<b>8H</b>	21,3	21,8	21,8	22,3	22,8	23,4	23,9	23,9	24,4	24,9

UGR values are corrected for lamp flux of 3540 lm by 4,4

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Luminance [cd/m<sup>2</sup>] REBA 50 /E EXT LINE L0847 SRT/END+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	7203,33	7284,23	7741,47	8624,31	10138,6	12682,6	17393,3	12682,6	10138,6
50,00	6195,86	6279,77	6707,47	7526,10	8959,33	11485,7	16475,6	11485,7	8959,33
55,00	5281,88	5353,55	5735,71	6480,57	7818,25	10260,2	15491,5	10260,2	7818,25
60,00	4419,64	4480,77	4813,90	5469,87	6689,35	8987,40	14409,5	8987,40	6689,35
65,00	3594,15	3643,88	3921,21	4489,06	5545,06	7638,13	13142,9	7638,13	5545,06
70,00	2806,45	2846,49	3061,57	3509,77	4373,50	6190,36	11603,1	6190,36	4373,50
75,00	2059,49	2081,56	2240,96	2546,18	3197,39	4606,23	9665,20	4606,23	3197,39
80,00	1363,93	1369,79	1465,51	1653,01	2067,78	2978,68	7140,15	2978,68	2067,78
85,00	761,73	762,32	799,24	867,79	1035,50	1435,83	4025,56	1435,83	1035,50

G/C [cd/	135,00	150,00	165,00	180,00	195,00	210,00	225,00	240,00	255,00
45,00	8624,31	7741,47	7284,23	7203,33	7284,23	7741,47	8624,31	10138,6	12682,6
50,00	7526,10	6707,47	6279,77	6195,86	6279,77	6707,47	7526,10	8959,33	11485,7
55,00	6480,57	5735,71	5353,55	5281,88	5353,55	5735,71	6480,57	7818,25	10260,2
60,00	5469,87	4813,90	4480,77	4419,64	4480,77	4813,90	5469,87	6689,35	8987,40
65,00	4489,06	3921,21	3643,88	3594,15	3643,88	3921,21	4489,06	5545,06	7638,13
70,00	3509,77	3061,57	2846,49	2806,45	2846,49	3061,57	3509,77	4373,50	6190,36
75,00	2546,18	2240,96	2081,56	2059,49	2081,56	2240,96	2546,18	3197,39	4606,23
80,00	1653,01	1465,51	1369,79	1363,93	1369,79	1465,51	1653,01	2067,78	2978,68
85,00	867,79	799,24	762,32	761,73	762,32	799,24	867,79	1035,50	1435,83

G/C [cd/	270,00	285,00	300,00	315,00	330,00	345,00
45,00	17393,3	12682,6	10138,6	8624,31	7741,47	7284,23
50,00	16475,6	11485,7	8959,33	7526,10	6707,47	6279,77
55,00	15491,5	10260,2	7818,25	6480,57	5735,71	5353,55
60,00	14409,5	8987,40	6689,35	5469,87	4813,90	4480,77
65,00	13142,9	7638,13	5545,06	4489,06	3921,21	3643,88
70,00	11603,1	6190,36	4373,50	3509,77	3061,57	2846,49
75,00	9665,20	4606,23	3197,39	2546,18	2240,96	2081,56
80,00	7140,15	2978,68	2067,78	1653,01	1465,51	1369,79
85,00	4025,56	1435,83	1035,50	867,79	799,24	762,32

## HEADQUARTERS

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