

## PHOTOMETRIC RESULTS

Name:	REBA 50 /E EXT LINE L0842 MID+INT SYM BFLEX 840 HO		
Number:	90506+90499L003	Diameter:	0 mm
Report:	21-01-2020	Length:	842 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 10:36:51	Output ratio:	63,7 %

## Protocol

LiTG-class: A40  
UTE-class: 0,64 E  
IES-class: 46 - 76 - 94 - 100 - 64  
TM5-class: BZ4/0.75/BZ5

Divergences in the plane through maximum intensity:	Horizontal	Vertical
One half peak divergence	108,6°	113,2°
Half peak side angle (left)	-56,2°	-54,1°
Half peak side angle (right)	52,3°	59,1°
One tenth peak divergence	162,5°	172,5°
Tenth peak side angle (left)	-82,9°	-83,8°
Tenth peak side angle (right)	79,6°	88,7°

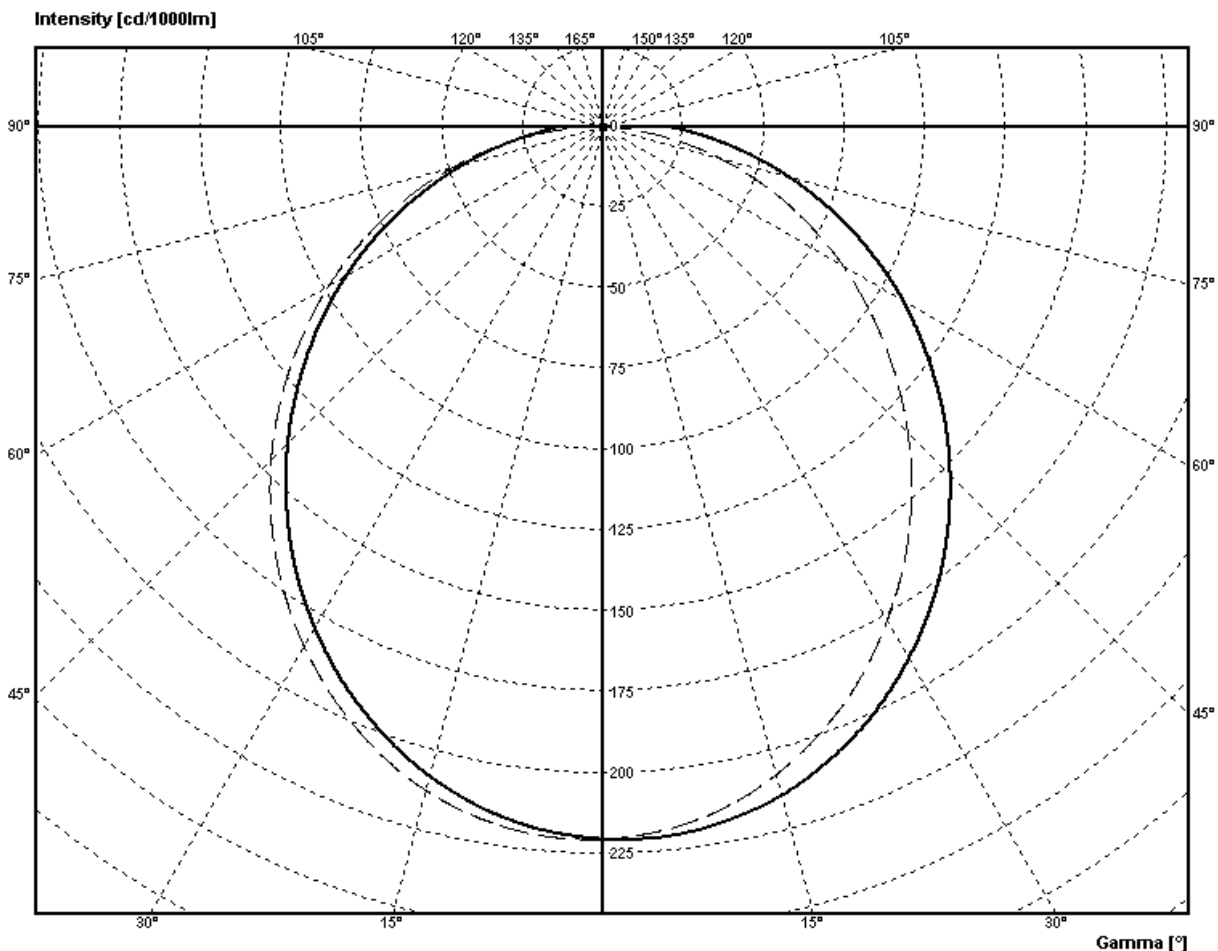
C-planes:	0,0°	15,0°	30,0°	45,0°	60,0°	75,0°	90,0°	105,0°	120,0°	135,0°
	150,0°	165,0°	180,0°	195,0°	210,0°	225,0°	240,0°	255,0°	270,0°	285,0°
	300,0°	315,0°	330,0°	345,0°						

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 L0842 MID+INT SYM BFLEX 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>	18,6	20,2	18,9	20,5	20,9	20,2	21,9	20,6	22,2	22,5
<b>2H</b>	<b>3H</b>	19,8	21,3	20,2	21,6	22,0	21,7	23,3	22,1	23,6	23,9
<b>2H</b>	<b>4H</b>	20,3	21,7	20,7	22,1	22,4	22,4	23,8	22,8	24,2	24,5
<b>2H</b>	<b>6H</b>	20,7	22,0	21,1	22,3	22,7	22,9	24,2	23,3	24,6	25,0
<b>2H</b>	<b>8H</b>	20,7	22,0	21,2	22,4	22,8	23,0	24,3	23,4	24,7	25,0
<b>2H</b>	<b>12H</b>	20,8	22,1	21,2	22,4	22,9	23,0	24,3	23,5	24,7	25,1
<b>4H</b>	<b>2H</b>	19,3	20,7	19,6	21,0	21,4	20,6	22,0	21,0	22,4	22,7
<b>4H</b>	<b>3H</b>	20,6	21,9	21,0	22,3	22,7	22,2	23,5	22,7	23,9	24,3
<b>4H</b>	<b>4H</b>	21,3	22,4	21,7	22,8	23,2	23,0	24,1	23,4	24,5	25,0
<b>4H</b>	<b>6H</b>	21,7	22,7	22,2	23,1	23,6	23,5	24,5	24,0	25,0	25,4
<b>4H</b>	<b>8H</b>	21,9	22,8	22,3	23,2	23,7	23,7	24,6	24,2	25,1	25,5
<b>4H</b>	<b>12H</b>	22,0	22,9	22,5	23,3	23,8	23,8	24,7	24,3	25,1	25,6
<b>8H</b>	<b>4H</b>	21,5	22,4	22,0	22,9	23,3	23,1	24,0	23,6	24,5	24,9
<b>8H</b>	<b>6H</b>	22,1	22,9	22,5	23,3	23,8	23,7	24,5	24,2	25,0	25,5
<b>8H</b>	<b>8H</b>	22,4	23,0	22,9	23,6	24,0	24,0	24,7	24,5	25,2	25,7
<b>8H</b>	<b>12H</b>	22,6	23,2	23,1	23,7	24,2	24,1	24,7	24,7	25,2	25,7
<b>12H</b>	<b>4H</b>	21,6	22,4	22,0	22,9	23,4	23,1	24,0	23,6	24,4	24,9
<b>12H</b>	<b>6H</b>	22,2	22,9	22,7	23,4	23,9	23,8	24,5	24,3	25,0	25,5
<b>12H</b>	<b>8H</b>	22,5	23,0	23,0	23,5	24,1	24,0	24,6	24,6	25,1	25,6

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 L0842 MID+INT SYM BFLEX 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	7675,99	7710,96	8157,88	8888,29	10361,5	12711,5	15892,2	12694,6	10293,8
50,00	6845,14	6905,79	7283,27	7971,54	9390,46	11809,3	15188,8	11739,3	9335,70
55,00	6036,82	6062,83	6465,35	7079,23	8449,62	10873,0	14421,8	10799,9	8393,85
60,00	5290,00	5290,37	5674,66	6214,29	7517,22	9851,44	13629,5	9812,88	7474,26
65,00	4539,22	4531,56	4850,94	5380,86	6584,74	8802,29	12657,8	8761,15	6495,76
70,00	3796,05	3788,67	4069,76	4498,44	5581,01	7665,51	11493,3	7643,29	5519,00
75,00	3072,96	3034,23	3281,42	3604,41	4550,72	6358,51	9843,72	6334,15	4468,87
80,00	2353,54	2312,02	2499,86	2701,26	3426,02	4867,37	7378,73	4840,17	3356,10
85,00	1695,67	1640,23	1754,05	1820,95	2249,79	3134,33	2992,20	3072,26	2155,26

G/C [cd/	135,00	150,00	165,00	180,00	195,00	210,00	225,00	240,00	255,00
45,00	8818,67	8094,97	7691,11	6950,54	7065,90	7340,00	8099,25	9277,99	11578,9
50,00	7902,12	7210,64	6807,98	6092,07	6201,52	6453,27	7173,23	8295,36	10584,6
55,00	7021,10	6382,60	5985,10	5289,40	5392,42	5596,41	6277,15	7306,27	9557,28
60,00	6143,67	5581,12	5212,57	4513,75	4599,90	4780,84	5390,42	6328,78	8482,65
65,00	5284,78	4777,28	4453,09	3747,27	3825,34	3977,56	4516,08	5338,98	7362,66
70,00	4424,29	3994,60	3698,94	3001,53	3080,78	3178,50	3633,36	4325,29	6110,19
75,00	3540,28	3193,03	2952,50	2279,62	2339,52	2397,53	2732,17	3241,16	4677,52
80,00	2620,63	2408,13	2227,56	1627,78	1668,03	1662,75	1881,48	2097,56	3045,50
85,00	1735,59	1669,95	1574,18	1069,24	1089,82	1045,22	1095,41	1058,73	1334,42

G/C [cd/	270,00	285,00	300,00	315,00	330,00	345,00
45,00	17328,6	11595,8	9318,63	8157,27	7402,91	7125,44
50,00	16795,5	10567,1	8309,05	7231,08	6515,52	6269,99
55,00	16217,6	9502,46	7348,10	6393,39	5668,82	5460,43
60,00	15612,0	8366,98	6314,46	5437,50	4863,99	4667,98
65,00	14862,3	7177,57	5368,64	4564,12	4051,22	3903,81
70,00	14019,3	5843,56	4263,27	3682,79	3253,66	3150,57
75,00	12812,4	4385,18	3208,42	2796,31	2474,87	2421,25
80,00	11171,5	2855,16	2097,56	1894,91	1731,56	1741,93
85,00	7944,81	1179,25	1039,82	1109,64	1093,28	1155,87

## HEADQUARTERS

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