

PHOTOMETRIC RESULTS

Name:	REBA 50 /E EXT LINE L0847 SRT/END+INT SYM BFLEX 840 HO		
Number:	90506-83+90499L003	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 10:36:51	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°

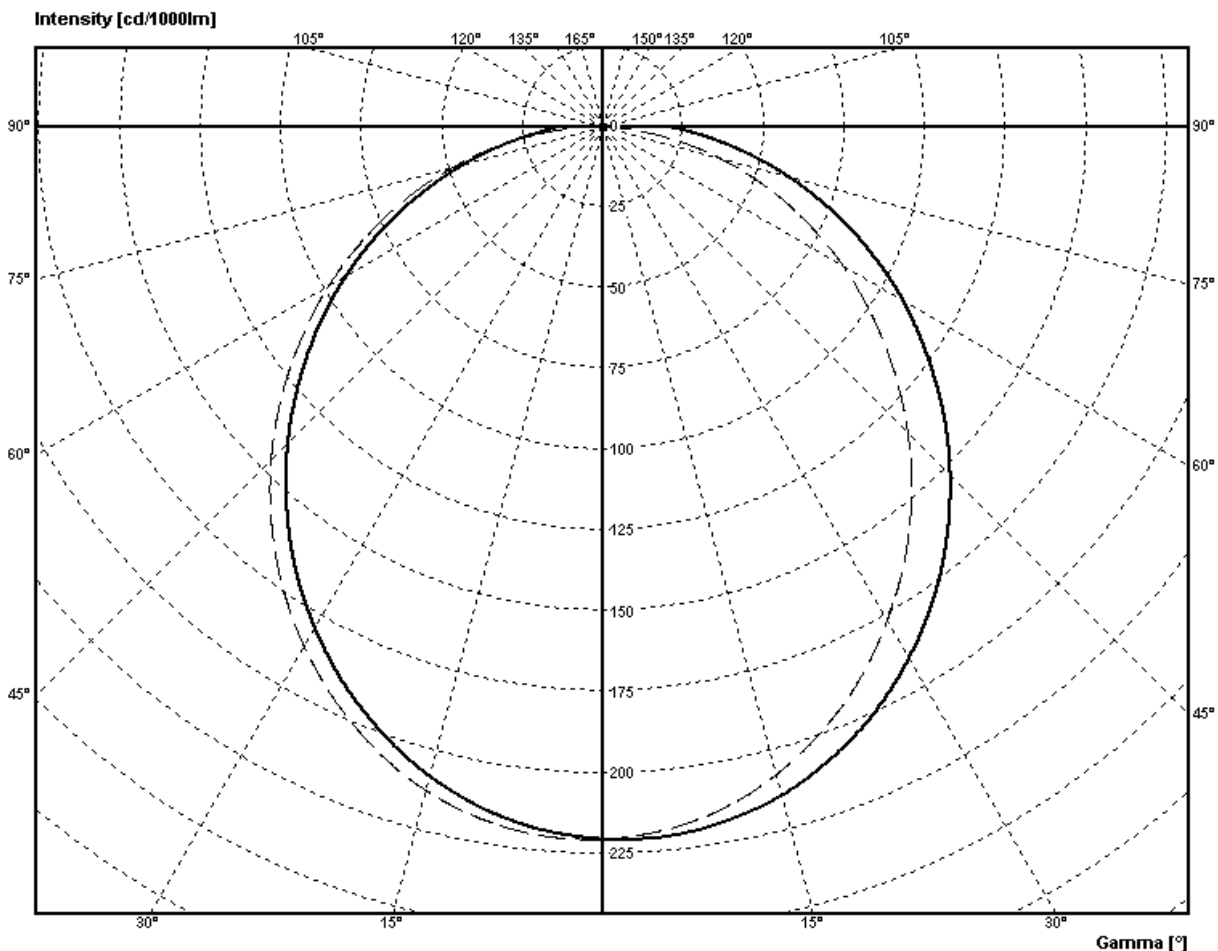
C-planes:	0,0°	15,0°	30,0°	45,0°	60,0°	75,0°	90,0°	105,0°	120,0°	135,0°
	150,0°	165,0°	180,0°	195,0°	210,0°	225,0°	240,0°	255,0°	270,0°	285,0°
	300,0°	315,0°	330,0°	345,0°						

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 L0847 SRT/END+INT SYM BFLEX 840 HO / Direct
in 15° C / 5° G



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UGR Unified Glare Ratios

Ceiling reflectance		0,7	0,7	0,5	0,5	0,3	0,7	0,7	0,5	0,5	0,3
Wall reflectance		0,5	0,3	0,5	0,3	0,3	0,5	0,3	0,5	0,3	0,3
Floor cavity reflectance		0,2	0,2	0,2	0,2	0,2	0,2	0,2	0,2	0,2	0,2
Room dimension		Viewed crosswise					Viewed endwise				
2H	2H	18,6	20,2	18,9	20,5	20,9	20,2	21,9	20,6	22,2	22,5
2H	3H	19,8	21,3	20,2	21,6	22,0	21,7	23,3	22,1	23,6	23,9
2H	4H	20,3	21,7	20,7	22,1	22,4	22,4	23,8	22,8	24,2	24,5
2H	6H	20,7	22,0	21,1	22,3	22,7	22,9	24,2	23,3	24,6	25,0
2H	8H	20,7	22,0	21,2	22,4	22,8	23,0	24,3	23,4	24,7	25,0
2H	12H	20,8	22,1	21,2	22,4	22,9	23,0	24,3	23,5	24,7	25,1
4H	2H	19,3	20,7	19,6	21,0	21,4	20,6	22,0	21,0	22,4	22,7
4H	3H	20,6	21,9	21,0	22,3	22,7	22,2	23,5	22,7	23,9	24,3
4H	4H	21,3	22,4	21,7	22,8	23,2	23,0	24,1	23,4	24,5	25,0
4H	6H	21,7	22,7	22,2	23,1	23,6	23,5	24,5	24,0	25,0	25,4
4H	8H	21,9	22,8	22,3	23,2	23,7	23,7	24,6	24,2	25,1	25,5
4H	12H	22,0	22,9	22,5	23,3	23,8	23,8	24,7	24,3	25,1	25,6
8H	4H	21,5	22,4	22,0	22,9	23,3	23,1	24,0	23,6	24,5	24,9
8H	6H	22,1	22,9	22,5	23,3	23,8	23,7	24,5	24,2	25,0	25,5
8H	8H	22,4	23,0	22,9	23,6	24,0	24,0	24,7	24,5	25,2	25,7
8H	12H	22,6	23,2	23,1	23,7	24,2	24,1	24,7	24,7	25,2	25,7
12H	4H	21,6	22,4	22,0	22,9	23,4	23,1	24,0	23,6	24,4	24,9
12H	6H	22,2	22,9	22,7	23,4	23,9	23,8	24,5	24,3	25,0	25,5
12H	8H	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/m²] REBA 50 /E EXT LINE L0847 SRT/END+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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