

PHOTOMETRIC RESULTS

Name:	REBA 50 /T EXT LINE L1700 SRT/END+INT SYM BFLEX K3 840 HO		
Number:	90507-83+90499L006	Diameter:	0 mm
Report:	25-01-2020	Length:	1700 mm
Meas.-no.:	01	Width:	70 mm
Lamp type:	LED 840 - 01	Height:	114 mm
Number:	01	Power:	43,57 W
Lamp flux:	7080,00 lm	Operator:	INDEL AGUE GROUP
Date:	25-01-2020 9:53:33	Output ratio:	64,0 %

Protocol

LiTG-class: A40
UTE-class: 0,64 E
IES-class: 45 - 76 - 93 - 100 - 64
TM5-class: BZ4/0.75/BZ5

Divergences in the plane through maximum intensity:

	Horizontal	Vertical
One half peak divergence	109,9°	113,4°
Half peak side angle (left)	-55,0°	-56,7°
Half peak side angle (right)	55,0°	56,7°
One tenth peak divergence	163,9°	175,6°
Tenth peak side angle (left)	-81,9°	-87,8°
Tenth peak side angle (right)	81,9°	87,8°

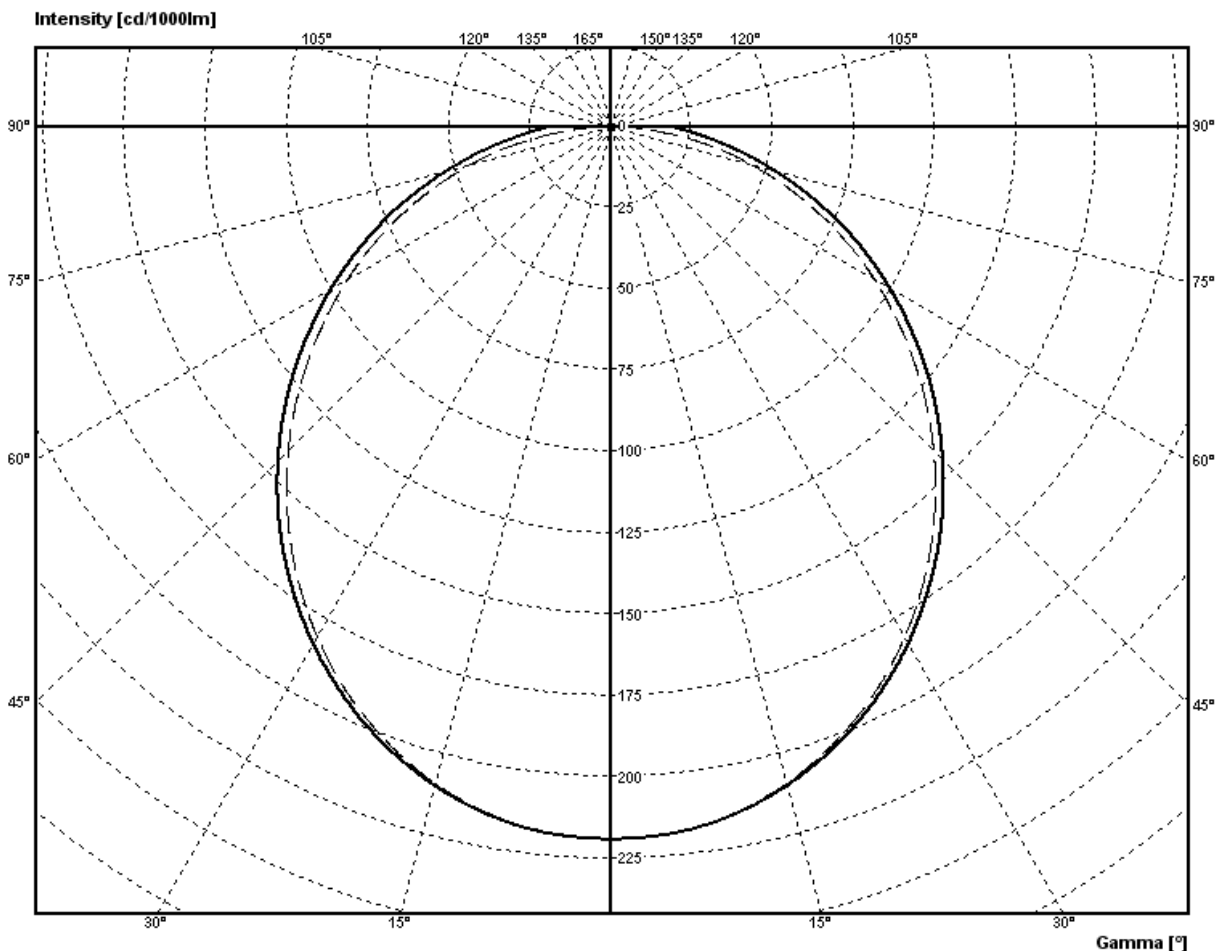
C-planes:	0,0°	15,0°	30,0°	45,0°	60,0°	75,0°	90,0°	105,0°	120,0°	135,0°
	150,0°	165,0°	180,0°	195,0°	210,0°	225,0°	240,0°	255,0°	270,0°	285,0°
	300,0°	315,0°	330,0°	345,0°						

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 L1700 SRT/END+INT SYM BFLEX K3 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	17,4	19,1	17,8	19,4	19,7	19,7	21,4	20,1	21,7	22,0
2H	3H	18,6	20,1	19,0	20,5	20,8	21,3	22,9	21,7	23,2	23,5
2H	4H	19,1	20,5	19,5	20,9	21,2	22,0	23,5	22,4	23,8	24,2
2H	6H	19,4	20,8	19,8	21,1	21,5	22,6	23,9	23,0	24,3	24,7
2H	8H	19,5	20,8	19,9	21,2	21,6	22,7	24,0	23,1	24,4	24,8
2H	12H	19,6	20,9	20,0	21,2	21,6	22,8	24,0	23,2	24,4	24,8
4H	2H	18,1	19,6	18,5	19,9	20,3	20,0	21,5	20,4	21,8	22,2
4H	3H	19,5	20,7	19,9	21,1	21,5	21,7	23,0	22,1	23,4	23,8
4H	4H	20,1	21,2	20,5	21,6	22,0	22,5	23,6	23,0	24,1	24,5
4H	6H	20,5	21,5	20,9	21,9	22,4	23,1	24,1	23,6	24,5	25,0
4H	8H	20,7	21,6	21,1	22,0	22,5	23,3	24,2	23,8	24,7	25,1
4H	12H	20,8	21,7	21,3	22,1	22,6	23,5	24,3	23,9	24,8	25,3
8H	4H	20,3	21,3	20,8	21,7	22,2	22,6	23,5	23,1	24,0	24,4
8H	6H	20,9	21,7	21,3	22,1	22,6	23,2	24,0	23,7	24,5	25,0
8H	8H	21,2	21,8	21,7	22,4	22,8	23,5	24,2	24,0	24,7	25,2
8H	12H	21,4	22,0	21,9	22,5	23,0	23,7	24,3	24,2	24,8	25,3
12H	4H	20,4	21,2	20,8	21,7	22,2	22,6	23,5	23,1	23,9	24,4
12H	6H	21,0	21,7	21,5	22,2	22,7	23,3	24,0	23,8	24,5	25,0
12H	8H	21,3	21,8	21,8	22,3	22,9	23,6	24,2	24,1	24,7	25,2

UGR values are corrected for lamp flux of 7080 lm by 6,8

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Luminance [cd/m²] REBA 50 /T EXT LINE L1700 SRT/END+INT SYM BFLEX K3 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	5383,66	5487,76	5851,22	6590,10	7971,80	10666,7	17023,1	10666,7	7971,80
50,00	4685,06	4791,67	5101,31	5784,80	7070,47	9708,75	16487,2	9708,75	7070,47
55,00	4032,58	4122,01	4402,82	5016,97	6203,50	8717,39	15911,3	8717,39	6203,50
60,00	3434,51	3506,95	3754,74	4287,94	5366,11	7728,49	15315,5	7728,49	5366,11
65,00	2866,92	2921,20	3130,74	3588,28	4516,73	6669,54	14601,6	6669,54	4516,73
70,00	2319,70	2362,09	2529,45	2903,08	3678,67	5566,14	13684,7	5566,14	3678,67
75,00	1802,04	1836,64	1955,11	2226,60	2836,45	4367,83	12515,5	4367,83	2836,45
80,00	1343,28	1357,88	1426,85	1585,56	1971,53	3066,44	10708,2	3066,44	1971,53
85,00	947,28	949,78	972,25	1023,07	1177,47	1662,54	7103,59	1662,54	1177,47

G/C [cd/	135,00	150,00	165,00	180,00	195,00	210,00	225,00	240,00	255,00
45,00	6590,10	5851,22	5487,76	5383,66	5487,76	5851,22	6590,10	7971,80	10666,7
50,00	5784,80	5101,31	4791,67	4685,06	4791,67	5101,31	5784,80	7070,47	9708,75
55,00	5016,97	4402,82	4122,01	4032,58	4122,01	4402,82	5016,97	6203,50	8717,39
60,00	4287,94	3754,74	3506,95	3434,51	3506,95	3754,74	4287,94	5366,11	7728,49
65,00	3588,28	3130,74	2921,20	2866,92	2921,20	3130,74	3588,28	4516,73	6669,54
70,00	2903,08	2529,45	2362,09	2319,70	2362,09	2529,45	2903,08	3678,67	5566,14
75,00	2226,60	1955,11	1836,64	1802,04	1836,64	1955,11	2226,60	2836,45	4367,83
80,00	1585,56	1426,85	1357,88	1343,28	1357,88	1426,85	1585,56	1971,53	3066,44
85,00	1023,07	972,25	949,78	947,28	949,78	972,25	1023,07	1177,47	1662,54

G/C [cd/	270,00	285,00	300,00	315,00	330,00	345,00
45,00	17023,1	10666,7	7971,80	6590,10	5851,22	5487,76
50,00	16487,2	9708,75	7070,47	5784,80	5101,31	4791,67
55,00	15911,3	8717,39	6203,50	5016,97	4402,82	4122,01
60,00	15315,5	7728,49	5366,11	4287,94	3754,74	3506,95
65,00	14601,6	6669,54	4516,73	3588,28	3130,74	2921,20
70,00	13684,7	5566,14	3678,67	2903,08	2529,45	2362,09
75,00	12515,5	4367,83	2836,45	2226,60	1955,11	1836,64
80,00	10708,2	3066,44	1971,53	1585,56	1426,85	1357,88
85,00	7103,59	1662,54	1177,47	1023,07	972,25	949,78

HEADQUARTERS

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