

## PHOTOMETRIC RESULTS

Name:	REBA 50 /E EXT LINE L1122 MID+INT ASYM K3 840 HO		
Number:	90506+90500L004	Diameter:	0 mm
Report:	23-01-2020	Length:	1122 mm
Meas.-no.:	01	Width:	62 mm
Lamp type:	LED 840 - 01	Height:	72 mm
Number:	01	Power:	32,11 W
Lamp flux:	4988,00 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 /E EXT LINE L1122 MID+INT ASYM K3 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>	16,3	17,8	16,7	18,1	18,4	19,9	21,4	20,3	21,7	22,0
<b>2H</b>	<b>3H</b>	16,9	18,2	17,2	18,5	18,9	20,6	21,9	21,0	22,3	22,6
<b>2H</b>	<b>4H</b>	17,0	18,3	17,4	18,6	19,0	20,9	22,1	21,2	22,4	22,8
<b>2H</b>	<b>6H</b>	17,2	18,3	17,6	18,7	19,1	21,0	22,2	21,5	22,6	23,0
<b>2H</b>	<b>8H</b>	17,2	18,3	17,6	18,7	19,1	21,1	22,2	21,5	22,5	22,9
<b>2H</b>	<b>12H</b>	17,2	18,2	17,6	18,6	19,0	21,1	22,1	21,5	22,5	22,9
<b>4H</b>	<b>2H</b>	16,8	18,1	17,2	18,4	18,8	20,0	21,2	20,4	21,6	21,9
<b>4H</b>	<b>3H</b>	17,5	18,5	17,9	18,9	19,3	20,7	21,8	21,1	22,2	22,6
<b>4H</b>	<b>4H</b>	17,8	18,7	18,2	19,1	19,6	21,1	22,0	21,5	22,4	22,9
<b>4H</b>	<b>6H</b>	17,9	18,8	18,4	19,2	19,6	21,3	22,1	21,7	22,5	23,0
<b>4H</b>	<b>8H</b>	18,0	18,7	18,5	19,2	19,7	21,4	22,1	21,8	22,6	23,0
<b>4H</b>	<b>12H</b>	18,0	18,7	18,5	19,2	19,7	21,4	22,1	21,9	22,6	23,1
<b>8H</b>	<b>4H</b>	17,9	18,7	18,4	19,1	19,6	21,0	21,8	21,5	22,2	22,7
<b>8H</b>	<b>6H</b>	18,1	18,8	18,6	19,2	19,7	21,3	21,9	21,8	22,4	22,9
<b>8H</b>	<b>8H</b>	18,3	18,8	18,8	19,3	19,8	21,4	22,0	21,9	22,5	23,0
<b>8H</b>	<b>12H</b>	18,3	18,8	18,8	19,3	19,8	21,5	22,0	22,0	22,5	23,0
<b>12H</b>	<b>4H</b>	17,9	18,6	18,4	19,0	19,6	21,0	21,7	21,5	22,2	22,7
<b>12H</b>	<b>6H</b>	18,2	18,7	18,7	19,3	19,7	21,3	21,9	21,8	22,4	22,9
<b>12H</b>	<b>8H</b>	18,3	18,8	18,8	19,3	19,8	21,4	21,9	21,9	22,4	22,9

UGR values are corrected for lamp flux of 4988 lm by 5,6

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Luminance [cd/m<sup>2</sup>] REBA 50 /E EXT LINE L1122 MID+INT ASYM K3 840 HO / Direct im  
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	4634,81	4765,17	4931,50	5544,84	7143,55	11697,2	21026,8	17395,6	13621,3
50,00	3970,41	3900,16	4102,22	4596,66	5912,59	9201,78	17368,1	13650,3	10411,9
55,00	3228,74	3164,45	3493,33	3835,21	4863,30	7249,62	14231,3	10348,1	7649,57
60,00	2589,04	2511,59	2947,27	3188,81	3946,23	5743,97	11559,9	7687,36	5514,30
65,00	2094,60	2037,09	2346,54	2549,75	3191,86	4407,23	9244,69	5546,74	3899,83
70,00	1670,96	1650,36	1799,79	1992,53	2448,88	3394,50	7347,11	3929,99	2674,93
75,00	1281,16	1235,67	1354,91	1490,03	1845,62	2635,55	6030,60	2795,28	1865,54
80,00	949,24	831,61	945,55	1036,08	1292,15	1901,63	4858,53	1901,63	1249,55
85,00	551,15	420,37	497,93	551,69	684,60	1039,20	3236,99	1039,20	676,91

G/C [cd/	135,00	150,00	165,00	180,00	195,00	210,00	225,00	240,00	255,00
45,00	10781,8	9294,95	8088,04	5657,42	8088,04	9294,95	10781,8	13621,3	17395,6
50,00	8211,64	6176,23	5007,76	3687,85	5007,76	6176,23	8211,64	10411,9	13650,3
55,00	5612,50	4124,70	3445,39	2754,14	3445,39	4124,70	5612,50	7649,57	10348,1
60,00	3852,16	2968,15	2550,65	2042,46	2550,65	2968,15	3852,16	5514,30	7687,36
65,00	2656,20	2147,82	1903,12	1514,78	1903,12	2147,82	2656,20	3899,83	5546,74
70,00	1863,02	1579,67	1434,05	1133,60	1434,05	1579,67	1863,02	2674,93	3929,99
75,00	1365,86	1194,99	1067,36	836,52	1067,36	1194,99	1365,86	1865,54	2795,28
80,00	943,86	821,01	712,81	513,52	712,81	821,01	943,86	1249,55	1901,63
85,00	534,45	478,60	424,80	299,89	424,80	478,60	534,45	676,91	1039,20

G/C [cd/	270,00	285,00	300,00	315,00	330,00	345,00
45,00	21026,8	11697,2	7143,55	5544,84	4931,50	4765,17
50,00	17368,1	9201,78	5912,59	4596,66	4102,22	3900,16
55,00	14231,3	7249,62	4863,30	3835,21	3493,33	3164,45
60,00	11559,9	5743,97	3946,23	3188,81	2947,27	2511,59
65,00	9244,69	4407,23	3191,86	2549,75	2346,54	2037,09
70,00	7347,11	3394,50	2448,88	1992,53	1799,79	1650,36
75,00	6030,60	2635,55	1845,62	1490,03	1354,91	1235,67
80,00	4858,53	1901,63	1292,15	1036,08	945,55	831,61
85,00	3236,99	1039,20	684,60	551,69	497,93	420,37

## HEADQUARTERS

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