

## PHOTOMETRIC RESULTS

Name:	REBA 50 EXT L1980+INT SYM BGLARE K3 830 HO		
Number:	90517+90498L007	Diameter:	0 mm
Report:	24-01-2020	Length:	1980 mm
Meas.-no.:	01	Width:	50 mm
Lamp type:	LED 830 - 01	Height:	72 mm
Number:	01	Power:	50,77 W
Lamp flux:	7560,00 lm	Operator:	INDEL AGUE GROUP
Date:	24-01-2020 14:42:44	Output ratio:	62,2 %

## Protocol

LiTG-class: A50  
UTE-class: 0,62 C  
IES-class: 63 - 88 - 97 - 100 - 62  
TM5-class: BZ2/1.50/BZ3/2.00/BZ2/2.50/BZ3

Divergences in the plane through maximum intensity:	Horizontal	Vertical
One half peak divergence	80,9°	80,3°
Half peak side angle (left)	-40,5°	-40,1°
Half peak side angle (right)	40,5°	40,1°
One tenth peak divergence	133,0°	138,4°
Tenth peak side angle (left)	-66,5°	-69,2°
Tenth peak side angle (right)	66,5°	69,2°

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 EXT L1980+INT SYM BGLARE K3 830 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>	16,8	18,2	17,2	18,6	18,9	18,5	19,9	18,9	20,2	20,6
<b>2H</b>	<b>3H</b>	17,3	18,6	17,7	18,9	19,2	19,1	20,4	19,5	20,7	21,1
<b>2H</b>	<b>4H</b>	17,4	18,7	17,8	19,0	19,4	19,3	20,6	19,7	20,9	21,3
<b>2H</b>	<b>6H</b>	17,6	18,7	18,0	19,1	19,5	19,5	20,7	19,9	21,0	21,4
<b>2H</b>	<b>8H</b>	17,6	18,6	18,0	19,0	19,4	19,6	20,6	20,0	21,0	21,4
<b>2H</b>	<b>12H</b>	17,5	18,6	18,0	19,0	19,4	19,6	20,6	20,0	21,0	21,4
<b>4H</b>	<b>2H</b>	17,1	18,3	17,5	18,7	19,0	18,6	19,8	19,0	20,2	20,5
<b>4H</b>	<b>3H</b>	17,7	18,7	18,1	19,1	19,5	19,3	20,3	19,7	20,7	21,1
<b>4H</b>	<b>4H</b>	18,0	18,9	18,4	19,3	19,8	19,6	20,5	20,1	21,0	21,4
<b>4H</b>	<b>6H</b>	18,1	19,0	18,6	19,4	19,8	19,9	20,7	20,3	21,1	21,5
<b>4H</b>	<b>8H</b>	18,2	18,9	18,7	19,4	19,9	19,9	20,7	20,4	21,1	21,6
<b>4H</b>	<b>12H</b>	18,2	18,9	18,7	19,4	19,9	20,0	20,7	20,5	21,1	21,6
<b>8H</b>	<b>4H</b>	18,1	18,8	18,5	19,3	19,7	19,6	20,4	20,1	20,8	21,3
<b>8H</b>	<b>6H</b>	18,3	18,9	18,7	19,4	19,9	19,9	20,5	20,4	21,0	21,5
<b>8H</b>	<b>8H</b>	18,4	18,9	18,9	19,4	19,9	20,0	20,6	20,5	21,1	21,6
<b>8H</b>	<b>12H</b>	18,4	18,9	19,0	19,4	19,9	20,1	20,6	20,6	21,1	21,6
<b>12H</b>	<b>4H</b>	18,1	18,7	18,5	19,2	19,7	19,6	20,3	20,1	20,7	21,2
<b>12H</b>	<b>6H</b>	18,3	18,9	18,8	19,4	19,9	19,9	20,4	20,4	21,0	21,4
<b>12H</b>	<b>8H</b>	18,4	18,9	18,9	19,4	19,9	20,0	20,5	20,5	21,0	21,5

UGR values are corrected for lamp flux of 7560 lm by 7,0

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<b>Lamp flux:</b>	7560,00 lm	<b>Operator:</b>	INDEL AGUE GROUP
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Luminance [cd/m<sup>2</sup>] REBA 50 EXT L1980+INT SYM BGLARE K3 830 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	6211,28	6328,64	6919,59	7848,43	9105,41	11206,2	15466,5	11206,2	9105,41
50,00	4695,69	4779,09	5197,78	5949,17	6975,04	8689,32	12545,1	8689,32	6975,04
55,00	3508,86	3559,21	3921,16	4420,45	5227,09	6600,78	10144,4	6600,78	5227,09
60,00	2627,44	2631,44	2939,07	3267,12	3885,25	4986,58	8309,66	4986,58	3885,25
65,00	1951,46	1951,41	2159,39	2394,66	2875,60	3793,03	6819,08	3793,03	2875,60
70,00	1469,90	1491,01	1624,86	1784,20	2149,20	2887,43	5682,10	2887,43	2149,20
75,00	1090,00	1119,25	1199,64	1309,66	1580,34	2224,03	4907,44	2224,03	1580,34
80,00	747,64	744,09	819,86	874,89	1087,88	1593,34	4174,99	1593,34	1087,88
85,00	401,58	405,79	453,95	474,91	590,69	875,66	3189,00	875,66	590,69

G/C [cd/	135,00	150,00	165,00	180,00	195,00	210,00	225,00	240,00	255,00
45,00	7848,43	6919,59	6328,64	6211,28	6328,64	6919,59	7848,43	9105,41	11206,2
50,00	5949,17	5197,78	4779,09	4695,69	4779,09	5197,78	5949,17	6975,04	8689,32
55,00	4420,45	3921,16	3559,21	3508,86	3559,21	3921,16	4420,45	5227,09	6600,78
60,00	3267,12	2939,07	2631,44	2627,44	2631,44	2939,07	3267,12	3885,25	4986,58
65,00	2394,66	2159,39	1951,41	1951,46	1951,41	2159,39	2394,66	2875,60	3793,03
70,00	1784,20	1624,86	1491,01	1469,90	1491,01	1624,86	1784,20	2149,20	2887,43
75,00	1309,66	1199,64	1119,25	1090,00	1119,25	1199,64	1309,66	1580,34	2224,03
80,00	874,89	819,86	744,09	747,64	744,09	819,86	874,89	1087,88	1593,34
85,00	474,91	453,95	405,79	401,58	405,79	453,95	474,91	590,69	875,66

G/C [cd/	270,00	285,00	300,00	315,00	330,00	345,00
45,00	15466,5	11206,2	9105,41	7848,43	6919,59	6328,64
50,00	12545,1	8689,32	6975,04	5949,17	5197,78	4779,09
55,00	10144,4	6600,78	5227,09	4420,45	3921,16	3559,21
60,00	8309,66	4986,58	3885,25	3267,12	2939,07	2631,44
65,00	6819,08	3793,03	2875,60	2394,66	2159,39	1951,41
70,00	5682,10	2887,43	2149,20	1784,20	1624,86	1491,01
75,00	4907,44	2224,03	1580,34	1309,66	1199,64	1119,25
80,00	4174,99	1593,34	1087,88	874,89	819,86	744,09
85,00	3189,00	875,66	590,69	474,91	453,95	405,79

## HEADQUARTERS

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