

## PHOTOMETRIC RESULTS

Name:	REBA 50 EXT L1138+INT SYM BGLARE K3 840 HO		
Number:	90517+90498L004	Diameter:	0 mm
Report:	24-01-2020	Length:	1138 mm
Meas.-no.:	01	Width:	50 mm
Lamp type:	LED 840 - 01	Height:	72 mm
Number:	01	Power:	28,70 W
Lamp flux:	4720,00 lm	Operator:	INDEL AGUE GROUP
Date:	24-01-2020 12:15:48	Output ratio:	62,0 %

## Protocol

LiTG-class: A50  
UTE-class: 0,62 C  
IES-class: 63 - 88 - 97 - 100 - 62  
TM5-class: BZ2/1.25/BZ3/2.00/BZ2/2.50/BZ3

## Divergences in the plane through maximum intensity:

	Horizontal	Vertical
One half peak divergence	81,1°	80,4°
Half peak side angle (left)	-40,6°	-40,2°
Half peak side angle (right)	40,6°	40,2°
One tenth peak divergence	133,4°	138,5°
Tenth peak side angle (left)	-66,7°	-69,2°
Tenth peak side angle (right)	66,7°	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 L1138+INT SYM BGLARE 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>		<b>Viewed crosswise</b>					<b>Viewed endwise</b>				
<b>2H</b>	<b>2H</b>	17,1	18,5	17,4	18,8	19,2	18,7	20,2	19,1	20,5	20,8
<b>2H</b>	<b>3H</b>	17,6	18,9	17,9	19,2	19,5	19,3	20,6	19,7	21,0	21,3
<b>2H</b>	<b>4H</b>	17,7	19,0	18,1	19,3	19,7	19,6	20,8	20,0	21,1	21,5
<b>2H</b>	<b>6H</b>	17,9	19,0	18,3	19,4	19,7	19,8	20,9	20,2	21,3	21,6
<b>2H</b>	<b>8H</b>	17,9	18,9	18,3	19,3	19,7	19,8	20,9	20,2	21,2	21,6
<b>2H</b>	<b>12H</b>	17,8	18,9	18,3	19,3	19,7	19,8	20,8	20,2	21,2	21,6
<b>4H</b>	<b>2H</b>	17,4	18,6	17,8	19,0	19,3	18,8	20,1	19,2	20,4	20,8
<b>4H</b>	<b>3H</b>	18,0	19,0	18,4	19,4	19,8	19,5	20,6	19,9	21,0	21,4
<b>4H</b>	<b>4H</b>	18,3	19,2	18,7	19,6	20,1	19,9	20,8	20,3	21,2	21,6
<b>4H</b>	<b>6H</b>	18,4	19,2	18,9	19,7	20,1	20,1	20,9	20,5	21,3	21,8
<b>4H</b>	<b>8H</b>	18,5	19,2	19,0	19,7	20,1	20,2	20,9	20,6	21,4	21,8
<b>4H</b>	<b>12H</b>	18,5	19,2	19,0	19,6	20,1	20,2	20,9	20,7	21,4	21,9
<b>8H</b>	<b>4H</b>	18,3	19,1	18,8	19,5	20,0	19,9	20,6	20,3	21,0	21,5
<b>8H</b>	<b>6H</b>	18,5	19,2	19,0	19,6	20,1	20,1	20,7	20,6	21,2	21,7
<b>8H</b>	<b>8H</b>	18,7	19,2	19,2	19,7	20,2	20,3	20,8	20,8	21,3	21,8
<b>8H</b>	<b>12H</b>	18,7	19,2	19,2	19,7	20,2	20,3	20,8	20,9	21,3	21,8
<b>12H</b>	<b>4H</b>	18,3	19,0	18,8	19,5	20,0	19,8	20,5	20,3	21,0	21,5
<b>12H</b>	<b>6H</b>	18,6	19,1	19,1	19,7	20,1	20,1	20,7	20,7	21,2	21,7
<b>12H</b>	<b>8H</b>	18,7	19,2	19,2	19,7	20,2	20,3	20,7	20,8	21,2	21,7

UGR values are corrected for lamp flux of 4720 lm by 5,4

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<b>Number:</b>	01	<b>Power:</b>	28,70 W
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Luminance [cd/m<sup>2</sup>] REBA 50 EXT L1138+INT SYM BGLARE 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	6741,81	6875,93	7486,84	8474,76	9800,35	12024,9	16452,0	12024,9	9800,35
50,00	5110,15	5190,83	5622,20	6422,61	7528,51	9303,62	13314,7	9303,62	7528,51
55,00	3823,66	3864,87	4245,60	4772,06	5617,27	7050,33	10659,4	7050,33	5617,27
60,00	2859,98	2864,68	3192,33	3502,16	4183,71	5360,09	8682,33	5360,09	4183,71
65,00	2131,77	2129,47	2341,45	2588,81	3103,86	4037,87	7100,97	4037,87	3103,86
70,00	1598,05	1624,60	1759,71	1925,25	2314,39	3065,63	5845,35	3065,63	2314,39
75,00	1191,25	1218,91	1299,98	1418,21	1696,95	2346,74	4956,54	2346,74	1696,95
80,00	813,43	812,71	886,11	946,24	1159,69	1680,99	4090,21	1680,99	1159,69
85,00	437,87	441,41	490,49	510,69	630,04	918,66	2918,57	918,66	630,04

G/C [cd/	135,00	150,00	165,00	180,00	195,00	210,00	225,00	240,00	255,00
45,00	8474,76	7486,84	6875,93	6741,81	6875,93	7486,84	8474,76	9800,35	12024,9
50,00	6422,61	5622,20	5190,83	5110,15	5190,83	5622,20	6422,61	7528,51	9303,62
55,00	4772,06	4245,60	3864,87	3823,66	3864,87	4245,60	4772,06	5617,27	7050,33
60,00	3502,16	3192,33	2864,68	2859,98	2864,68	3192,33	3502,16	4183,71	5360,09
65,00	2588,81	2341,45	2129,47	2131,77	2129,47	2341,45	2588,81	3103,86	4037,87
70,00	1925,25	1759,71	1624,60	1598,05	1624,60	1759,71	1925,25	2314,39	3065,63
75,00	1418,21	1299,98	1218,91	1191,25	1218,91	1299,98	1418,21	1696,95	2346,74
80,00	946,24	886,11	812,71	813,43	812,71	886,11	946,24	1159,69	1680,99
85,00	510,69	490,49	441,41	437,87	441,41	490,49	510,69	630,04	918,66

G/C [cd/	270,00	285,00	300,00	315,00	330,00	345,00
45,00	16452,0	12024,9	9800,35	8474,76	7486,84	6875,93
50,00	13314,7	9303,62	7528,51	6422,61	5622,20	5190,83
55,00	10659,4	7050,33	5617,27	4772,06	4245,60	3864,87
60,00	8682,33	5360,09	4183,71	3502,16	3192,33	2864,68
65,00	7100,97	4037,87	3103,86	2588,81	2341,45	2129,47
70,00	5845,35	3065,63	2314,39	1925,25	1759,71	1624,60
75,00	4956,54	2346,74	1696,95	1418,21	1299,98	1218,91
80,00	4090,21	1680,99	1159,69	946,24	886,11	812,71
85,00	2918,57	918,66	630,04	510,69	490,49	441,41

## HEADQUARTERS

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