

## PHOTOMETRIC RESULTS

<b>Name:</b>	REBA 50 /E EXT L2552+INT SYM BGLARE K3 840 HO		
<b>Number:</b>	90520+90498L009	<b>Diameter:</b>	0 mm
<b>Report:</b>	24-01-2020	<b>Length:</b>	2552 mm
<b>Meas.-no.:</b>	01	<b>Width:</b>	62 mm
<b>Lamp type:</b>	LED 840 - 01	<b>Height:</b>	72 mm
<b>Number:</b>	01	<b>Power:</b>	65,74 W
<b>Lamp flux:</b>	10620,00 lm	<b>Operator:</b>	INDEL AGUE GROUP
<b>Date:</b>	24-01-2020 12:15:48	<b>Output ratio:</b>	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°

<b>C-planes:</b>	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°						

<b>Gamma:</b>	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 L2552+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	17,5	18,9	19,2	18,8	20,3	19,2	20,6	20,9
<b>2H</b>	<b>3H</b>	17,6	18,9	18,0	19,2	19,6	19,4	20,7	19,8	21,1	21,4
<b>2H</b>	<b>4H</b>	17,8	19,0	18,1	19,3	19,7	19,7	20,9	20,1	21,3	21,6
<b>2H</b>	<b>6H</b>	17,9	19,0	18,3	19,4	19,8	19,9	21,0	20,3	21,4	21,8
<b>2H</b>	<b>8H</b>	17,9	19,0	18,3	19,3	19,7	19,9	21,0	20,3	21,4	21,8
<b>2H</b>	<b>12H</b>	17,9	18,9	18,3	19,3	19,7	19,9	21,0	20,4	21,4	21,8
<b>4H</b>	<b>2H</b>	17,4	18,6	17,8	19,0	19,4	18,9	20,2	19,3	20,5	20,9
<b>4H</b>	<b>3H</b>	18,0	19,0	18,4	19,4	19,8	19,6	20,7	20,1	21,1	21,5
<b>4H</b>	<b>4H</b>	18,3	19,2	18,8	19,6	20,1	20,0	20,9	20,4	21,3	21,8
<b>4H</b>	<b>6H</b>	18,5	19,3	18,9	19,7	20,2	20,2	21,0	20,7	21,5	21,9
<b>4H</b>	<b>8H</b>	18,5	19,3	19,0	19,7	20,2	20,3	21,1	20,8	21,5	22,0
<b>4H</b>	<b>12H</b>	18,5	19,2	19,0	19,7	20,2	20,4	21,1	20,9	21,5	22,0
<b>8H</b>	<b>4H</b>	18,4	19,1	18,8	19,6	20,0	20,0	20,7	20,4	21,2	21,6
<b>8H</b>	<b>6H</b>	18,6	19,2	19,1	19,7	20,2	20,2	20,9	20,7	21,3	21,8
<b>8H</b>	<b>8H</b>	18,7	19,2	19,2	19,8	20,3	20,4	20,9	20,9	21,5	21,9
<b>8H</b>	<b>12H</b>	18,7	19,2	19,3	19,7	20,2	20,5	20,9	21,0	21,4	22,0
<b>12H</b>	<b>4H</b>	18,4	19,1	18,9	19,5	20,0	20,0	20,6	20,4	21,1	21,6
<b>12H</b>	<b>6H</b>	18,6	19,2	19,1	19,7	20,2	20,3	20,8	20,8	21,3	21,8
<b>12H</b>	<b>8H</b>	18,7	19,2	19,2	19,7	20,2	20,4	20,8	20,9	21,4	21,9

UGR values are corrected for lamp flux of 10620 lm by 8,2

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Luminance [cd/m<sup>2</sup>] REBA 50 /E EXT L2552+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	6743,15	6902,48	7544,64	8576,88	9969,71	12316,4	17025,5	12316,4	9969,71
50,00	5111,17	5212,17	5668,68	6506,24	7671,18	9557,39	13864,5	9557,39	7671,18
55,00	3824,42	3881,71	4283,00	4838,84	5733,43	7266,05	11183,0	7266,05	5733,43
60,00	2860,54	2877,86	3222,18	3554,66	4277,82	5543,91	9194,95	5543,91	4277,82
65,00	2132,19	2139,79	2364,65	2630,29	3179,72	4193,35	7614,00	4193,35	3179,72
70,00	1598,37	1632,88	1778,15	1958,19	2375,86	3198,76	6377,46	3198,76	2375,86
75,00	1191,48	1225,45	1314,39	1444,12	1746,02	2462,56	5553,56	2462,56	1746,02
80,00	813,59	817,29	896,51	964,74	1196,32	1776,38	4802,87	1776,38	1196,32
85,00	437,96	444,03	496,58	521,39	651,91	979,66	3816,04	979,66	651,91

G/C [cd/	135,00	150,00	165,00	180,00	195,00	210,00	225,00	240,00	255,00
45,00	8576,88	7544,64	6902,48	6743,15	6902,48	7544,64	8576,88	9969,71	12316,4
50,00	6506,24	5668,68	5212,17	5111,17	5212,17	5668,68	6506,24	7671,18	9557,39
55,00	4838,84	4283,00	3881,71	3824,42	3881,71	4283,00	4838,84	5733,43	7266,05
60,00	3554,66	3222,18	2877,86	2860,54	2877,86	3222,18	3554,66	4277,82	5543,91
65,00	2630,29	2364,65	2139,79	2132,19	2139,79	2364,65	2630,29	3179,72	4193,35
70,00	1958,19	1778,15	1632,88	1598,37	1632,88	1778,15	1958,19	2375,86	3198,76
75,00	1444,12	1314,39	1225,45	1191,48	1225,45	1314,39	1444,12	1746,02	2462,56
80,00	964,74	896,51	817,29	813,59	817,29	896,51	964,74	1196,32	1776,38
85,00	521,39	496,58	444,03	437,96	444,03	496,58	521,39	651,91	979,66

G/C [cd/	270,00	285,00	300,00	315,00	330,00	345,00
45,00	17025,5	12316,4	9969,71	8576,88	7544,64	6902,48
50,00	13864,5	9557,39	7671,18	6506,24	5668,68	5212,17
55,00	11183,0	7266,05	5733,43	4838,84	4283,00	3881,71
60,00	9194,95	5543,91	4277,82	3554,66	3222,18	2877,86
65,00	7614,00	4193,35	3179,72	2630,29	2364,65	2139,79
70,00	6377,46	3198,76	2375,86	1958,19	1778,15	1632,88
75,00	5553,56	2462,56	1746,02	1444,12	1314,39	1225,45
80,00	4802,87	1776,38	1196,32	964,74	896,51	817,29
85,00	3816,04	979,66	651,91	521,39	496,58	444,03

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