

## PHOTOMETRIC RESULTS

<b>Name:</b>	REBA 50 /E EXT LINE L2249 SRT/END+INT SYM BGLARE K3 840 HO		
<b>Number:</b>	90506-83+90498L008	<b>Diameter:</b>	0 mm
<b>Report:</b>	24-01-2020	<b>Length:</b>	2249 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>	57,62 W
<b>Lamp flux:</b>	9440,00 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 LINE L2249 SRT/END+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	21,2	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	20,3	21,4	21,8
<b>4H</b>	<b>2H</b>	17,4	18,6	17,8	19,0	19,3	18,9	20,1	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	20,0	21,0	21,5
<b>4H</b>	<b>4H</b>	18,3	19,2	18,7	19,6	20,1	20,0	20,9	20,4	21,3	21,7
<b>4H</b>	<b>6H</b>	18,5	19,3	18,9	19,7	20,1	20,2	21,0	20,7	21,4	21,9
<b>4H</b>	<b>8H</b>	18,5	19,2	19,0	19,7	20,2	20,3	21,0	20,8	21,5	21,9
<b>4H</b>	<b>12H</b>	18,5	19,2	19,0	19,7	20,2	20,4	21,0	20,8	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	20,8	20,7	21,3	21,8
<b>8H</b>	<b>8H</b>	18,7	19,2	19,2	19,8	20,2	20,4	20,9	20,9	21,4	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	21,9
<b>12H</b>	<b>4H</b>	18,4	19,1	18,8	19,5	20,0	19,9	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	21,3	21,9

UGR values are corrected for lamp flux of 9440 lm by 7,8

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Luminance [cd/m<sup>2</sup>] REBA 50 /E EXT LINE L2249 SRT/END+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	6898,59	7537,48	8565,05	9950,77	12284,5	16963,4	12284,5	9950,77
50,00	5110,15	5209,10	5663,00	6496,63	7655,33	9529,74	13805,1	9529,74	7655,33
55,00	3823,66	3879,33	4278,47	4831,23	5720,60	7242,63	11126,4	7242,63	5720,60
60,00	2859,98	2876,02	3218,60	3548,72	4267,48	5524,00	9139,43	5524,00	4267,48
65,00	2131,77	2138,37	2361,89	2625,62	3171,41	4176,55	7558,12	4176,55	3171,41
70,00	1598,05	1631,76	1775,98	1954,50	2369,15	3184,39	6318,90	3184,39	2369,15
75,00	1191,25	1224,58	1312,70	1441,24	1740,68	2450,05	5486,59	2450,05	1740,68
80,00	813,43	816,69	895,30	962,69	1192,35	1766,06	4719,91	1766,06	1192,35
85,00	437,87	443,69	495,88	520,21	649,54	973,04	3701,71	973,04	649,54

G/C [cd/	135,00	150,00	165,00	180,00	195,00	210,00	225,00	240,00	255,00
45,00	8565,05	7537,48	6898,59	6741,81	6898,59	7537,48	8565,05	9950,77	12284,5
50,00	6496,63	5663,00	5209,10	5110,15	5209,10	5663,00	6496,63	7655,33	9529,74
55,00	4831,23	4278,47	3879,33	3823,66	3879,33	4278,47	4831,23	5720,60	7242,63
60,00	3548,72	3218,60	2876,02	2859,98	2876,02	3218,60	3548,72	4267,48	5524,00
65,00	2625,62	2361,89	2138,37	2131,77	2138,37	2361,89	2625,62	3171,41	4176,55
70,00	1954,50	1775,98	1631,76	1598,05	1631,76	1775,98	1954,50	2369,15	3184,39
75,00	1441,24	1312,70	1224,58	1191,25	1224,58	1312,70	1441,24	1740,68	2450,05
80,00	962,69	895,30	816,69	813,43	816,69	895,30	962,69	1192,35	1766,06
85,00	520,21	495,88	443,69	437,87	443,69	495,88	520,21	649,54	973,04

G/C [cd/	270,00	285,00	300,00	315,00	330,00	345,00
45,00	16963,4	12284,5	9950,77	8565,05	7537,48	6898,59
50,00	13805,1	9529,74	7655,33	6496,63	5663,00	5209,10
55,00	11126,4	7242,63	5720,60	4831,23	4278,47	3879,33
60,00	9139,43	5524,00	4267,48	3548,72	3218,60	2876,02
65,00	7558,12	4176,55	3171,41	2625,62	2361,89	2138,37
70,00	6318,90	3184,39	2369,15	1954,50	1775,98	1631,76
75,00	5486,59	2450,05	1740,68	1441,24	1312,70	1224,58
80,00	4719,91	1766,06	1192,35	962,69	895,30	816,69
85,00	3701,71	973,04	649,54	520,21	495,88	443,69

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