

## PHOTOMETRIC RESULTS

<b>Name:</b>	<b>REBA 50 /E EXT LINE L1969 SRT/END+INT SYM BGLARE K3 840 HO</b>		
<b>Number:</b>	90506-83+90498L007	<b>Diameter:</b>	0 mm
<b>Report:</b>	24-01-2020	<b>Length:</b>	1969 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>	50,77 W
<b>Lamp flux:</b>	8260,00 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 L1969 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>	17,7	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	18,9	18,3	19,3	19,7	19,9	21,0	20,3	21,4	21,8
<b>2H</b>	<b>12H</b>	17,8	18,9	18,3	19,3	19,7	19,9	20,9	20,3	21,3	21,7
<b>4H</b>	<b>2H</b>	17,4	18,6	17,8	19,0	19,3	18,9	20,1	19,3	20,5	20,8
<b>4H</b>	<b>3H</b>	18,0	19,0	18,4	19,4	19,8	19,6	20,6	20,0	21,0	21,4
<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	20,6	21,4	21,9
<b>4H</b>	<b>8H</b>	18,5	19,2	19,0	19,7	20,2	20,3	21,0	20,7	21,5	21,9
<b>4H</b>	<b>12H</b>	18,5	19,2	19,0	19,7	20,2	20,3	21,0	20,8	21,5	22,0
<b>8H</b>	<b>4H</b>	18,4	19,1	18,8	19,6	20,0	19,9	20,7	20,4	21,1	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	20,4	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	20,2	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	21,8

UGR values are corrected for lamp flux of 8260 lm by 7,3

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Luminance [cd/m<sup>2</sup>] REBA 50 /E EXT LINE L1969 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	6740,10	6893,60	7528,31	8549,88	9926,51	12243,7	16884,3	12243,7	9926,51
50,00	5108,85	5205,16	5655,71	6484,33	7635,05	9494,42	13729,5	9494,42	7635,05
55,00	3822,69	3876,27	4272,67	4821,48	5704,18	7212,74	11054,5	7212,74	5704,18
60,00	2859,25	2873,67	3214,01	3541,10	4254,25	5498,62	9069,04	5498,62	4254,25
65,00	2131,23	2136,55	2358,35	2619,64	3160,80	4155,14	7487,47	4155,14	3160,80
70,00	1597,64	1630,32	1773,19	1949,78	2360,59	3166,09	6245,16	3166,09	2360,59
75,00	1190,94	1223,45	1310,54	1437,54	1733,87	2434,15	5402,82	2434,15	1733,87
80,00	813,22	815,91	893,75	960,06	1187,28	1752,96	4617,36	1752,96	1187,28
85,00	437,76	443,25	494,98	518,70	646,52	964,65	3564,41	964,65	646,52

G/C [cd/	135,00	150,00	165,00	180,00	195,00	210,00	225,00	240,00	255,00
45,00	8549,88	7528,31	6893,60	6740,10	6893,60	7528,31	8549,88	9926,51	12243,7
50,00	6484,33	5655,71	5205,16	5108,85	5205,16	5655,71	6484,33	7635,05	9494,42
55,00	4821,48	4272,67	3876,27	3822,69	3876,27	4272,67	4821,48	5704,18	7212,74
60,00	3541,10	3214,01	2873,67	2859,25	2873,67	3214,01	3541,10	4254,25	5498,62
65,00	2619,64	2358,35	2136,55	2131,23	2136,55	2358,35	2619,64	3160,80	4155,14
70,00	1949,78	1773,19	1630,32	1597,64	1630,32	1773,19	1949,78	2360,59	3166,09
75,00	1437,54	1310,54	1223,45	1190,94	1223,45	1310,54	1437,54	1733,87	2434,15
80,00	960,06	893,75	815,91	813,22	815,91	893,75	960,06	1187,28	1752,96
85,00	518,70	494,98	443,25	437,76	443,25	494,98	518,70	646,52	964,65

G/C [cd/	270,00	285,00	300,00	315,00	330,00	345,00
45,00	16884,3	12243,7	9926,51	8549,88	7528,31	6893,60
50,00	13729,5	9494,42	7635,05	6484,33	5655,71	5205,16
55,00	11054,5	7212,74	5704,18	4821,48	4272,67	3876,27
60,00	9069,04	5498,62	4254,25	3541,10	3214,01	2873,67
65,00	7487,47	4155,14	3160,80	2619,64	2358,35	2136,55
70,00	6245,16	3166,09	2360,59	1949,78	1773,19	1630,32
75,00	5402,82	2434,15	1733,87	1437,54	1310,54	1223,45
80,00	4617,36	1752,96	1187,28	960,06	893,75	815,91
85,00	3564,41	964,65	646,52	518,70	494,98	443,25

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