

## PHOTOMETRIC RESULTS

<b>Name:</b>	REBA 50 /E EXT LINE L2809 SRT/END+INT SYM BGLARE K3 840 HO		
<b>Number:</b>	90506-83+90498L010	<b>Diameter:</b>	0 mm
<b>Report:</b>	24-01-2020	<b>Length:</b>	2809 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>	73,6 W
<b>Lamp flux:</b>	11800,00 lm	<b>Operator:</b>	INDEL AGUE GROUP
<b>Date:</b>	24-01-2020 15:27:21	<b>Output ratio:</b>	64,2 %

## Protocol

**LiTG-class:** A50  
**UTE-class:** 0,64 C  
**IES-class:** 62 - 88 - 97 - 100 - 64  
**TM5-class:** BZ2/1.00/BZ3

## Divergences in the plane through maximum intensity:

	Horizontal	Vertical
One half peak divergence	81,0°	80,3°
Half peak side angle (left)	-40,5°	-40,2°
Half peak side angle (right)	40,5°	40,2°
One tenth peak divergence	136,1°	140,9°
Tenth peak side angle (left)	-68,1°	-70,5°
Tenth peak side angle (right)	68,1°	70,5°

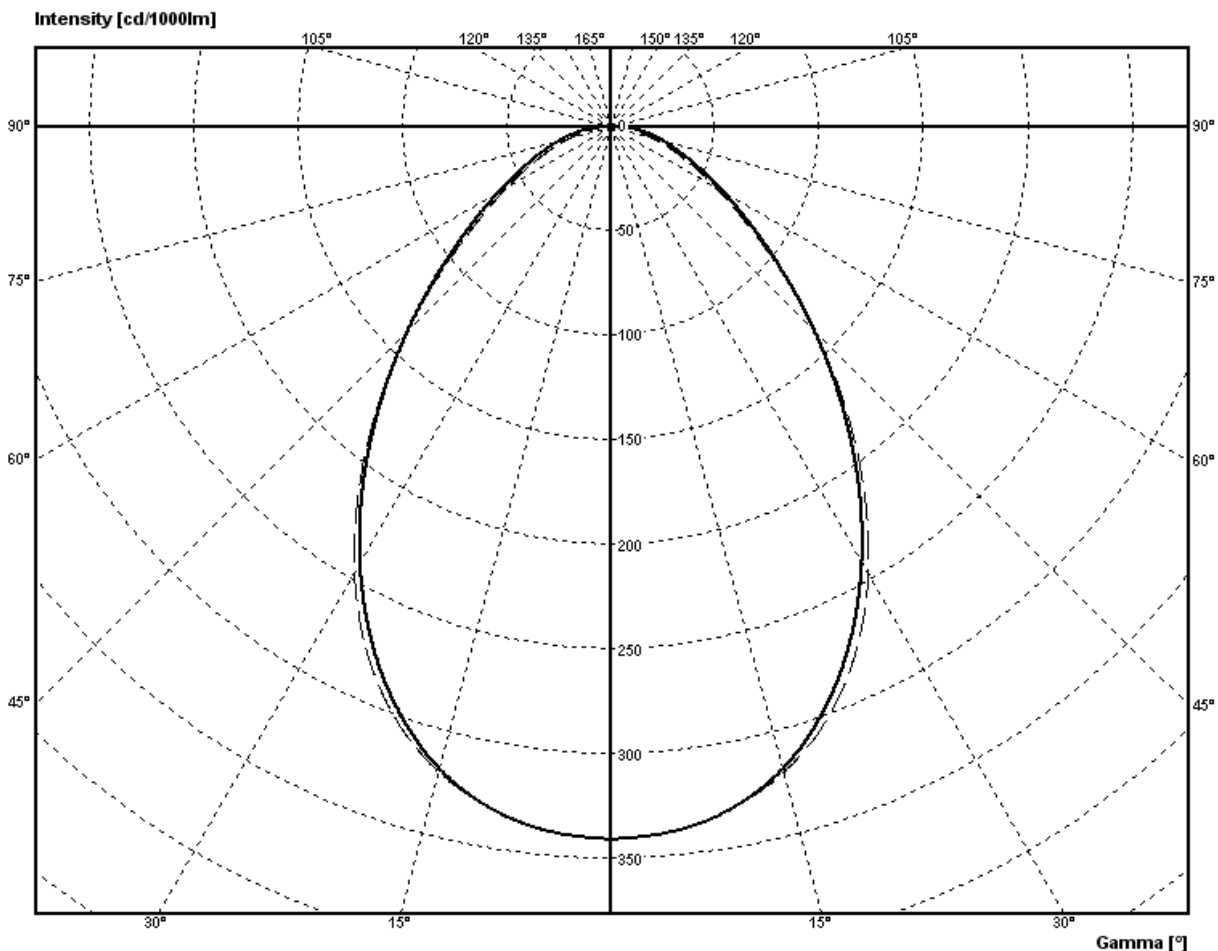
<b>C-planes:</b>	0,0°	15,0°	30,0°	45,0°	60,0°	75,0°	90,0°	105,0°	120,0°	135,0°
	150,0°	165,0°	180,0°	195,0°	210,0°	225,0°	240,0°	255,0°	270,0°	285,0°
	300,0°	315,0°	330,0°	345,0°						

<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 L2809 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>		Viewed crosswise					Viewed endwise				
<b>2H</b>	<b>2H</b>	17,2	18,7	17,6	19,0	19,3	19,0	20,5	19,4	20,8	21,1
<b>2H</b>	<b>3H</b>	17,8	19,1	18,2	19,4	19,8	19,7	21,1	20,1	21,4	21,7
<b>2H</b>	<b>4H</b>	18,0	19,2	18,4	19,6	19,9	20,0	21,3	20,4	21,6	22,0
<b>2H</b>	<b>6H</b>	18,1	19,3	18,5	19,6	20,0	20,3	21,4	20,7	21,8	22,2
<b>2H</b>	<b>8H</b>	18,1	19,2	18,5	19,6	20,0	20,3	21,4	20,7	21,8	22,2
<b>2H</b>	<b>12H</b>	18,1	19,2	18,5	19,6	20,0	20,3	21,4	20,8	21,8	22,2
<b>4H</b>	<b>2H</b>	17,6	18,8	18,0	19,2	19,5	19,2	20,4	19,6	20,7	21,1
<b>4H</b>	<b>3H</b>	18,3	19,3	18,7	19,7	20,1	20,0	21,0	20,4	21,4	21,8
<b>4H</b>	<b>4H</b>	18,6	19,5	19,0	19,9	20,4	20,4	21,3	20,8	21,7	22,1
<b>4H</b>	<b>6H</b>	18,8	19,6	19,2	20,0	20,5	20,6	21,4	21,1	21,9	22,3
<b>4H</b>	<b>8H</b>	18,8	19,6	19,3	20,0	20,5	20,7	21,5	21,2	21,9	22,4
<b>4H</b>	<b>12H</b>	18,9	19,6	19,3	20,0	20,5	20,8	21,5	21,3	21,9	22,4
<b>8H</b>	<b>4H</b>	18,7	19,4	19,1	19,9	20,3	20,3	21,1	20,8	21,5	22,0
<b>8H</b>	<b>6H</b>	18,9	19,6	19,4	20,0	20,5	20,6	21,3	21,1	21,8	22,3
<b>8H</b>	<b>8H</b>	19,1	19,6	19,6	20,1	20,6	20,8	21,4	21,3	21,9	22,4
<b>8H</b>	<b>12H</b>	19,1	19,6	19,6	20,1	20,6	20,9	21,4	21,4	21,9	22,4
<b>12H</b>	<b>4H</b>	18,7	19,4	19,1	19,8	20,3	20,3	21,0	20,8	21,5	22,0
<b>12H</b>	<b>6H</b>	19,0	19,5	19,5	20,0	20,5	20,7	21,2	21,2	21,7	22,2
<b>12H</b>	<b>8H</b>	19,1	19,6	19,6	20,1	20,6	20,8	21,3	21,3	21,8	22,3

UGR values are corrected for lamp flux of 11800 lm by 8,6

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Luminance [cd/m<sup>2</sup>] REBA 50 /E EXT LINE L2809 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	6929,68	7115,21	7762,65	8835,28	10300,6	12636,7	17322,5	12636,7	10300,6
50,00	5314,13	5419,58	5892,32	6766,63	8030,92	9991,78	14393,2	9991,78	8030,92
55,00	4028,37	4085,79	4461,13	5106,22	6117,22	7784,01	11842,2	7784,01	6117,22
60,00	3059,03	3062,14	3386,01	3819,41	4645,96	6055,22	10010,0	6055,22	4645,96
65,00	2320,11	2314,33	2544,96	2828,55	3500,82	4684,52	8520,03	4684,52	3500,82
70,00	1761,39	1791,52	1940,62	2118,33	2631,61	3608,38	7306,72	3608,38	2631,61
75,00	1323,84	1362,70	1465,60	1588,53	1952,50	2790,61	6376,58	2790,61	1952,50
80,00	915,33	949,35	1033,93	1106,28	1365,46	1985,48	5513,81	1985,48	1365,46
85,00	505,94	517,76	575,44	606,82	752,66	1121,34	4319,08	1121,34	752,66

G/C [cd/	135,00	150,00	165,00	180,00	195,00	210,00	225,00	240,00	255,00
45,00	8835,28	7762,65	7115,21	6929,68	7115,21	7762,65	8835,28	10300,6	12636,7
50,00	6766,63	5892,32	5419,58	5314,13	5419,58	5892,32	6766,63	8030,92	9991,78
55,00	5106,22	4461,13	4085,79	4028,37	4085,79	4461,13	5106,22	6117,22	7784,01
60,00	3819,41	3386,01	3062,14	3059,03	3062,14	3386,01	3819,41	4645,96	6055,22
65,00	2828,55	2544,96	2314,33	2320,11	2314,33	2544,96	2828,55	3500,82	4684,52
70,00	2118,33	1940,62	1791,52	1761,39	1791,52	1940,62	2118,33	2631,61	3608,38
75,00	1588,53	1465,60	1362,70	1323,84	1362,70	1465,60	1588,53	1952,50	2790,61
80,00	1106,28	1033,93	949,35	915,33	949,35	1033,93	1106,28	1365,46	1985,48
85,00	606,82	575,44	517,76	505,94	517,76	575,44	606,82	752,66	1121,34

G/C [cd/	270,00	285,00	300,00	315,00	330,00	345,00
45,00	17322,5	12636,7	10300,6	8835,28	7762,65	7115,21
50,00	14393,2	9991,78	8030,92	6766,63	5892,32	5419,58
55,00	11842,2	7784,01	6117,22	5106,22	4461,13	4085,79
60,00	10010,0	6055,22	4645,96	3819,41	3386,01	3062,14
65,00	8520,03	4684,52	3500,82	2828,55	2544,96	2314,33
70,00	7306,72	3608,38	2631,61	2118,33	1940,62	1791,52
75,00	6376,58	2790,61	1952,50	1588,53	1465,60	1362,70
80,00	5513,81	1985,48	1365,46	1106,28	1033,93	949,35
85,00	4319,08	1121,34	752,66	606,82	575,44	517,76

## HEADQUARTERS

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