

## PHOTOMETRIC RESULTS

<b>Name:</b>	REBA 50 /E EXT LINE L1687 SRT/END+INT SYM BGLARE K3 840 HO		
<b>Number:</b>	90506-83+90498L006	<b>Diameter:</b>	0 mm
<b>Report:</b>	25-01-2020	<b>Length:</b>	1687 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>	43,57 W
<b>Lamp flux:</b>	7080,00 lm	<b>Operator:</b>	INDEL AGUE GROUP
<b>Date:</b>	25-01-2020 9:35:24	<b>Output ratio:</b>	63,1 %

## Protocol

**LiTG-class:** A50  
**UTE-class:** 0,63 C  
**IES-class:** 62 - 88 - 97 - 100 - 63  
**TM5-class:** BZ2/1.00/BZ3

## Divergences in the plane through maximum intensity:

	Horizontal	Vertical
One half peak divergence	81,8°	80,3°
Half peak side angle (left)	-40,9°	-40,2°
Half peak side angle (right)	40,9°	40,2°
One tenth peak divergence	134,6°	139,4°
Tenth peak side angle (left)	-67,3°	-69,7°
Tenth peak side angle (right)	67,3°	69,7°

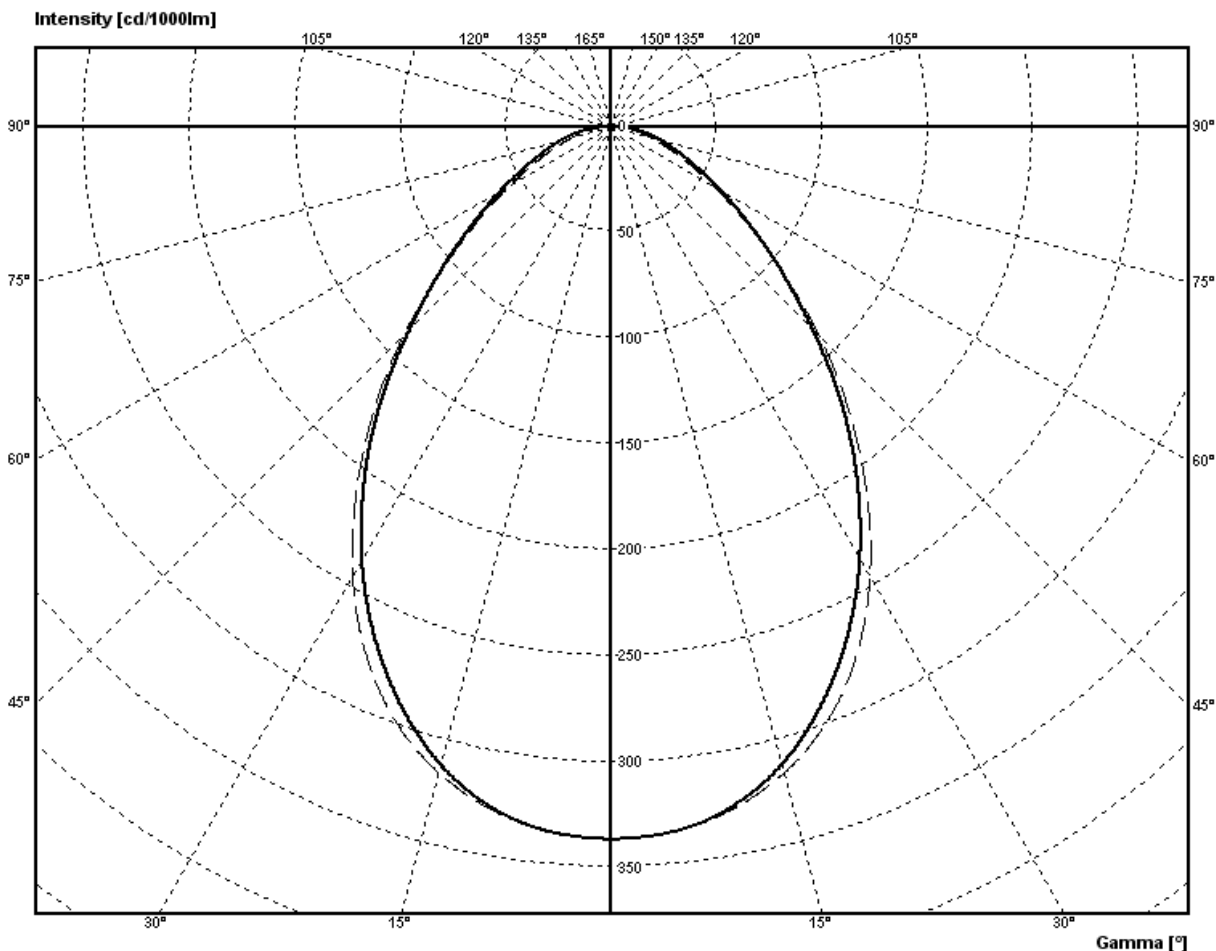
<b>C-planes:</b>	0,0°	15,0°	30,0°	45,0°	60,0°	75,0°	90,0°	105,0°	120,0°	135,0°
	150,0°	165,0°	180,0°	195,0°	210,0°	225,0°	240,0°	255,0°	270,0°	285,0°
	300,0°	315,0°	330,0°	345,0°						

<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 L1687 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>	17,1	18,6	17,5	18,9	19,2	19,0	20,4	19,3	20,7	21,0
<b>2H</b>	<b>3H</b>	17,6	19,0	18,0	19,3	19,6	19,6	20,9	20,0	21,2	21,6
<b>2H</b>	<b>4H</b>	17,8	19,1	18,2	19,4	19,8	19,8	21,1	20,2	21,4	21,8
<b>2H</b>	<b>6H</b>	18,0	19,1	18,4	19,5	19,9	20,1	21,2	20,5	21,6	22,0
<b>2H</b>	<b>8H</b>	18,0	19,1	18,4	19,4	19,8	20,1	21,2	20,5	21,6	22,0
<b>2H</b>	<b>12H</b>	18,0	19,0	18,4	19,4	19,8	20,1	21,2	20,5	21,5	22,0
<b>4H</b>	<b>2H</b>	17,5	18,7	17,9	19,1	19,4	19,1	20,3	19,5	20,6	21,0
<b>4H</b>	<b>3H</b>	18,1	19,1	18,5	19,5	19,9	19,8	20,8	20,2	21,2	21,6
<b>4H</b>	<b>4H</b>	18,4	19,3	18,9	19,7	20,2	20,2	21,1	20,6	21,5	21,9
<b>4H</b>	<b>6H</b>	18,6	19,4	19,0	19,8	20,3	20,4	21,2	20,9	21,6	22,1
<b>4H</b>	<b>8H</b>	18,6	19,4	19,1	19,8	20,3	20,5	21,2	21,0	21,7	22,1
<b>4H</b>	<b>12H</b>	18,7	19,4	19,1	19,8	20,3	20,6	21,2	21,0	21,7	22,2
<b>8H</b>	<b>4H</b>	18,5	19,2	19,0	19,7	20,1	20,1	20,9	20,6	21,3	21,8
<b>8H</b>	<b>6H</b>	18,7	19,3	19,2	19,8	20,3	20,4	21,0	20,9	21,5	22,0
<b>8H</b>	<b>8H</b>	18,8	19,4	19,4	19,9	20,4	20,6	21,1	21,1	21,6	22,1
<b>8H</b>	<b>12H</b>	18,9	19,3	19,4	19,9	20,4	20,7	21,1	21,2	21,6	22,1
<b>12H</b>	<b>4H</b>	18,5	19,2	19,0	19,6	20,1	20,1	20,8	20,6	21,3	21,8
<b>12H</b>	<b>6H</b>	18,8	19,3	19,3	19,8	20,3	20,4	21,0	21,0	21,5	22,0
<b>12H</b>	<b>8H</b>	18,9	19,3	19,4	19,8	20,3	20,6	21,0	21,1	21,5	22,1

UGR values are corrected for lamp flux of 7080 lm by 6,8

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Luminance [cd/m<sup>2</sup>] REBA 50 /E EXT LINE L1687 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	6787,05	7006,24	7612,56	8662,32	10126,2	12480,6	17204,0	12480,6	10126,2
50,00	5190,70	5278,75	5750,69	6604,94	7826,13	9779,73	14076,6	9779,73	7826,13
55,00	3923,80	3965,31	4341,90	4942,23	5934,43	7505,86	11490,1	7505,86	5934,43
60,00	2955,18	2947,14	3278,11	3686,06	4436,65	5745,75	9413,09	5745,75	4436,65
65,00	2207,04	2217,92	2448,97	2711,03	3302,29	4376,35	7777,49	4376,35	3302,29
70,00	1664,59	1703,96	1834,57	2015,39	2443,18	3335,94	6513,16	3335,94	2443,18
75,00	1246,73	1275,99	1362,11	1489,34	1808,32	2567,99	5663,92	2567,99	1808,32
80,00	848,59	867,31	937,84	1015,84	1253,90	1830,01	4884,82	1830,01	1253,90
85,00	456,86	472,56	524,66	557,81	689,15	1023,46	3697,88	1023,46	689,15

G/C [cd/	135,00	150,00	165,00	180,00	195,00	210,00	225,00	240,00	255,00
45,00	8662,32	7612,56	7006,24	6787,05	7006,24	7612,56	8662,32	10126,2	12480,6
50,00	6604,94	5750,69	5278,75	5190,70	5278,75	5750,69	6604,94	7826,13	9779,73
55,00	4942,23	4341,90	3965,31	3923,80	3965,31	4341,90	4942,23	5934,43	7505,86
60,00	3686,06	3278,11	2947,14	2955,18	2947,14	3278,11	3686,06	4436,65	5745,75
65,00	2711,03	2448,97	2217,92	2207,04	2217,92	2448,97	2711,03	3302,29	4376,35
70,00	2015,39	1834,57	1703,96	1664,59	1703,96	1834,57	2015,39	2443,18	3335,94
75,00	1489,34	1362,11	1275,99	1246,73	1275,99	1362,11	1489,34	1808,32	2567,99
80,00	1015,84	937,84	867,31	848,59	867,31	937,84	1015,84	1253,90	1830,01
85,00	557,81	524,66	472,56	456,86	472,56	524,66	557,81	689,15	1023,46

G/C [cd/	270,00	285,00	300,00	315,00	330,00	345,00
45,00	17204,0	12480,6	10126,2	8662,32	7612,56	7006,24
50,00	14076,6	9779,73	7826,13	6604,94	5750,69	5278,75
55,00	11490,1	7505,86	5934,43	4942,23	4341,90	3965,31
60,00	9413,09	5745,75	4436,65	3686,06	3278,11	2947,14
65,00	7777,49	4376,35	3302,29	2711,03	2448,97	2217,92
70,00	6513,16	3335,94	2443,18	2015,39	1834,57	1703,96
75,00	5663,92	2567,99	1808,32	1489,34	1362,11	1275,99
80,00	4884,82	1830,01	1253,90	1015,84	937,84	867,31
85,00	3697,88	1023,46	689,15	557,81	524,66	472,56

## HEADQUARTERS

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