

## PHOTOMETRIC RESULTS

<b>Name:</b>	REBA 50 /T EXT L2280+INT ASYM 840 HO		
<b>Number:</b>	90519+90500L008	<b>Diameter:</b>	0 mm
<b>Report:</b>	23-01-2020	<b>Length:</b>	2280 mm
<b>Meas.-no.:</b>	01	<b>Width:</b>	70 mm
<b>Lamp type:</b>	LED 840 - 01	<b>Height:</b>	114 mm
<b>Number:</b>	01	<b>Power:</b>	64,23 W
<b>Lamp flux:</b>	9976,00 lm	<b>Operator:</b>	INDEL AGUE GROUP
<b>Date:</b>	23-01-2020 15:20:22	<b>Output ratio:</b>	56,7 %

## Protocol

**LiTG-class:** A50  
**UTE-class:** 0,57 D  
**IES-class:** 60 - 88 - 97 - 100 - 57  
**TM5-class:** BZ3

## Divergences in the plane through maximum intensity:

	Horizontal	Vertical
One half peak divergence	94,2°	54,4°
Half peak side angle (left)	-47,1°	-39,9°
Half peak side angle (right)	47,1°	14,5°
One tenth peak divergence	141,1°	130,7°
Tenth peak side angle (left)	-70,6°	-62,4°
Tenth peak side angle (right)	70,6°	68,3°

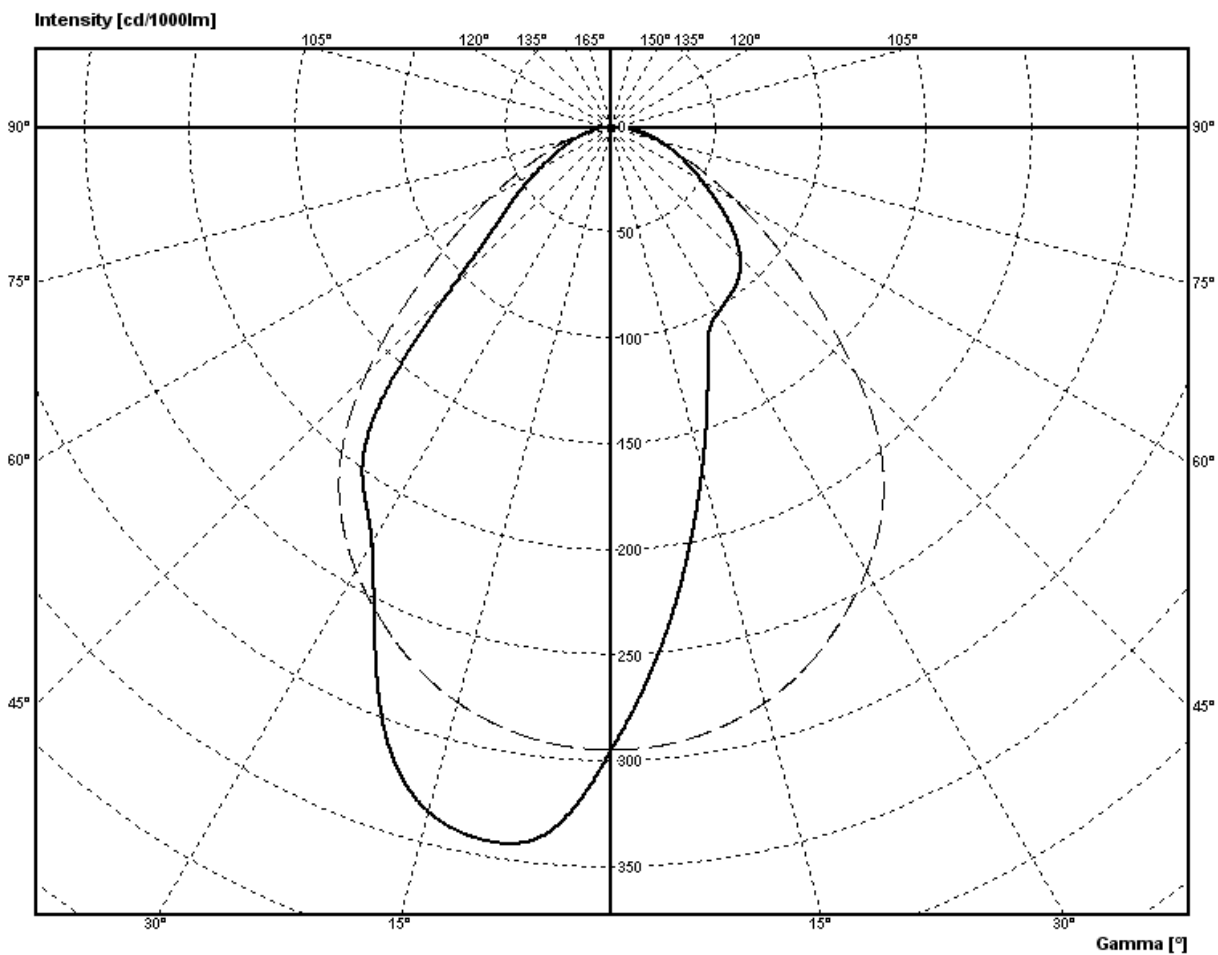
<b>C-planes:</b>	0,0°	15,0°	30,0°	45,0°	60,0°	75,0°	90,0°	105,0°	120,0°	135,0°
	150,0°	165,0°	180,0°	195,0°	210,0°	225,0°	240,0°	255,0°	270,0°	285,0°
	300,0°	315,0°	330,0°	345,0°						

<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 /T EXT L2280+INT ASYM 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>	15,3	16,8	15,6	17,1	17,4	19,4	20,9	19,8	21,2	21,5
<b>2H</b>	<b>3H</b>	15,8	17,1	16,1	17,4	17,8	20,1	21,4	20,5	21,8	22,1
<b>2H</b>	<b>4H</b>	15,9	17,2	16,3	17,5	17,9	20,3	21,6	20,7	21,9	22,3
<b>2H</b>	<b>6H</b>	16,1	17,2	16,5	17,6	18,0	20,5	21,7	21,0	22,1	22,4
<b>2H</b>	<b>8H</b>	16,0	17,1	16,5	17,5	17,9	20,6	21,7	21,0	22,0	22,4
<b>2H</b>	<b>12H</b>	16,0	17,1	16,4	17,5	17,9	20,6	21,6	21,0	22,0	22,4
<b>4H</b>	<b>2H</b>	15,8	17,0	16,2	17,4	17,7	19,4	20,7	19,8	21,0	21,4
<b>4H</b>	<b>3H</b>	16,4	17,4	16,8	17,8	18,2	20,2	21,2	20,6	21,6	22,0
<b>4H</b>	<b>4H</b>	16,7	17,6	17,1	18,0	18,4	20,5	21,4	20,9	21,8	22,3
<b>4H</b>	<b>6H</b>	16,8	17,6	17,2	18,1	18,5	20,7	21,5	21,2	22,0	22,4
<b>4H</b>	<b>8H</b>	16,8	17,6	17,3	18,0	18,5	20,8	21,5	21,3	22,0	22,5
<b>4H</b>	<b>12H</b>	16,9	17,6	17,3	18,0	18,5	20,8	21,5	21,3	22,0	22,5
<b>8H</b>	<b>4H</b>	16,8	17,5	17,2	18,0	18,4	20,4	21,2	20,9	21,6	22,1
<b>8H</b>	<b>6H</b>	17,0	17,6	17,4	18,1	18,6	20,7	21,3	21,2	21,8	22,3
<b>8H</b>	<b>8H</b>	17,1	17,6	17,6	18,2	18,6	20,8	21,4	21,3	21,9	22,4
<b>8H</b>	<b>12H</b>	17,1	17,6	17,6	18,1	18,6	20,9	21,3	21,4	21,9	22,4
<b>12H</b>	<b>4H</b>	16,8	17,5	17,2	17,9	18,4	20,4	21,1	20,9	21,6	22,1
<b>12H</b>	<b>6H</b>	17,0	17,6	17,5	18,1	18,6	20,7	21,2	21,2	21,8	22,2
<b>12H</b>	<b>8H</b>	17,1	17,6	17,6	18,1	18,6	20,8	21,3	21,3	21,8	22,3

UGR values are corrected for lamp flux of 9976 lm by 8,0

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Luminance [cd/m<sup>2</sup>] REBA 50 /T EXT L2280+INT ASYM 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	3418,18	3536,49	3712,43	4279,76	5751,39	10151,4	21294,3	15096,7	10966,7
50,00	2877,63	2844,67	3033,95	3483,69	4672,96	7857,84	17629,0	11656,7	8228,95
55,00	2301,26	2269,79	2539,62	2854,78	3772,26	6085,05	14484,6	8685,82	5933,45
60,00	1815,41	1772,27	2106,69	2331,29	3002,46	4731,85	11806,0	6332,81	4195,53
65,00	1445,11	1414,27	1649,11	1830,31	2380,05	3556,11	9483,70	4475,56	2907,96
70,00	1134,18	1127,14	1243,27	1403,59	1787,34	2675,33	7583,92	3097,38	1952,33
75,00	855,21	829,86	919,47	1029,05	1316,18	2021,24	6283,54	2143,74	1330,39
80,00	622,75	548,81	629,81	700,59	898,21	1411,54	5144,50	1411,54	868,60
85,00	355,02	272,33	325,13	364,59	462,36	740,79	3549,92	740,79	457,16

G/C [cd/	135,00	150,00	165,00	180,00	195,00	210,00	225,00	240,00	255,00
45,00	8321,96	6997,23	6002,57	4172,34	6002,57	6997,23	8321,96	10966,7	15096,7
50,00	6223,39	4567,86	3652,52	2672,83	3652,52	4567,86	6223,39	8228,95	11656,7
55,00	4177,72	2998,63	2471,30	1962,99	2471,30	2998,63	4177,72	5933,45	8685,82
60,00	2816,25	2121,61	1799,83	1432,16	1799,83	2121,61	2816,25	4195,53	6332,81
65,00	1906,72	1509,46	1321,26	1045,08	1321,26	1509,46	1906,72	2907,96	4475,56
70,00	1312,35	1091,22	979,41	769,44	979,41	1091,22	1312,35	1952,33	3097,38
75,00	943,29	810,94	716,83	558,40	716,83	810,94	943,29	1330,39	2143,74
80,00	638,23	546,86	470,41	336,90	470,41	546,86	638,23	868,60	1411,54
85,00	353,20	312,50	275,20	193,17	275,20	312,50	353,20	457,16	740,79

G/C [cd/	270,00	285,00	300,00	315,00	330,00	345,00
45,00	21294,3	10151,4	5751,39	4279,76	3712,43	3536,49
50,00	17629,0	7857,84	4672,96	3483,69	3033,95	2844,67
55,00	14484,6	6085,05	3772,26	2854,78	2539,62	2269,79
60,00	11806,0	4731,85	3002,46	2331,29	2106,69	1772,27
65,00	9483,70	3556,11	2380,05	1830,31	1649,11	1414,27
70,00	7583,92	2675,33	1787,34	1403,59	1243,27	1127,14
75,00	6283,54	2021,24	1316,18	1029,05	919,47	829,86
80,00	5144,50	1411,54	898,21	700,59	629,81	548,81
85,00	3549,92	740,79	462,36	364,59	325,13	272,33

## HEADQUARTERS

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