

## PHOTOMETRIC RESULTS

<b>Name:</b>	<b>REBA 50 /T EXT L2280+INT SYM BGLARE K3 840 HO</b>		
<b>Number:</b>	90519+90498L008	<b>Diameter:</b>	0 mm
<b>Report:</b>	24-01-2020	<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>	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 /T EXT L2280+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>	16,0	17,5	16,4	17,8	18,1	18,2	19,7	18,6	20,0	20,3
<b>2H</b>	<b>3H</b>	16,5	17,8	16,8	18,1	18,4	18,8	20,1	19,2	20,4	20,8
<b>2H</b>	<b>4H</b>	16,6	17,8	17,0	18,2	18,6	19,0	20,3	19,4	20,6	21,0
<b>2H</b>	<b>6H</b>	16,7	17,9	17,1	18,2	18,6	19,2	20,4	19,6	20,7	21,1
<b>2H</b>	<b>8H</b>	16,7	17,8	17,1	18,2	18,6	19,3	20,3	19,7	20,7	21,1
<b>2H</b>	<b>12H</b>	16,7	17,7	17,1	18,1	18,5	19,3	20,3	19,7	20,7	21,1
<b>4H</b>	<b>2H</b>	16,3	17,6	16,7	17,9	18,3	18,3	19,5	18,7	19,8	20,2
<b>4H</b>	<b>3H</b>	16,9	17,9	17,3	18,3	18,7	18,9	20,0	19,3	20,4	20,8
<b>4H</b>	<b>4H</b>	17,2	18,1	17,6	18,5	18,9	19,3	20,2	19,7	20,6	21,0
<b>4H</b>	<b>6H</b>	17,3	18,1	17,8	18,5	19,0	19,5	20,3	19,9	20,7	21,2
<b>4H</b>	<b>8H</b>	17,3	18,1	17,8	18,5	19,0	19,6	20,3	20,0	20,8	21,2
<b>4H</b>	<b>12H</b>	17,3	18,0	17,8	18,5	19,0	19,6	20,3	20,1	20,7	21,3
<b>8H</b>	<b>4H</b>	17,2	18,0	17,7	18,4	18,9	19,2	20,0	19,7	20,4	20,9
<b>8H</b>	<b>6H</b>	17,4	18,0	17,9	18,5	19,0	19,5	20,1	20,0	20,6	21,1
<b>8H</b>	<b>8H</b>	17,5	18,1	18,0	18,6	19,1	19,6	20,2	20,1	20,7	21,2
<b>8H</b>	<b>12H</b>	17,5	18,0	18,1	18,5	19,0	19,7	20,1	20,2	20,7	21,2
<b>12H</b>	<b>4H</b>	17,2	17,9	17,7	18,3	18,8	19,2	19,9	19,7	20,3	20,9
<b>12H</b>	<b>6H</b>	17,4	18,0	18,0	18,5	19,0	19,5	20,0	20,0	20,5	21,0
<b>12H</b>	<b>8H</b>	17,5	18,0	18,0	18,5	19,0	19,6	20,1	20,1	20,6	21,1

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 /T EXT L2280+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	4972,09	5103,00	5636,08	6541,21	7890,42	10435,8	16661,3	10435,8	7890,42
50,00	3703,68	3786,05	4158,11	4867,53	5950,09	7944,81	13514,7	7944,81	5950,09
55,00	2725,28	2772,18	3086,52	3552,13	4357,08	5917,78	10849,1	5917,78	4357,08
60,00	2005,39	2021,42	2281,85	2560,38	3183,15	4415,61	8867,11	4415,61	3183,15
65,00	1470,76	1478,41	1645,54	1858,35	2314,43	3258,08	7284,56	3258,08	2314,43
70,00	1084,69	1109,55	1215,59	1356,19	1689,19	2416,14	6033,76	2416,14	1689,19
75,00	795,19	818,61	882,19	979,45	1210,16	1799,75	5164,42	1799,75	1210,16
80,00	533,65	536,34	590,22	639,84	806,14	1247,76	4330,96	1247,76	806,14
85,00	282,05	285,96	320,26	337,49	425,51	654,86	3200,72	654,86	425,51

G/C [cd/	135,00	150,00	165,00	180,00	195,00	210,00	225,00	240,00	255,00
45,00	6541,21	5636,08	5103,00	4972,09	5103,00	5636,08	6541,21	7890,42	10435,8
50,00	4867,53	4158,11	3786,05	3703,68	3786,05	4158,11	4867,53	5950,09	7944,81
55,00	3552,13	3086,52	2772,18	2725,28	2772,18	3086,52	3552,13	4357,08	5917,78
60,00	2560,38	2281,85	2021,42	2005,39	2021,42	2281,85	2560,38	3183,15	4415,61
65,00	1858,35	1645,54	1478,41	1470,76	1478,41	1645,54	1858,35	2314,43	3258,08
70,00	1356,19	1215,59	1109,55	1084,69	1109,55	1215,59	1356,19	1689,19	2416,14
75,00	979,45	882,19	818,61	795,19	818,61	882,19	979,45	1210,16	1799,75
80,00	639,84	590,22	536,34	533,65	536,34	590,22	639,84	806,14	1247,76
85,00	337,49	320,26	285,96	282,05	285,96	320,26	337,49	425,51	654,86

G/C [cd/	270,00	285,00	300,00	315,00	330,00	345,00
45,00	16661,3	10435,8	7890,42	6541,21	5636,08	5103,00
50,00	13514,7	7944,81	5950,09	4867,53	4158,11	3786,05
55,00	10849,1	5917,78	4357,08	3552,13	3086,52	2772,18
60,00	8867,11	4415,61	3183,15	2560,38	2281,85	2021,42
65,00	7284,56	3258,08	2314,43	1858,35	1645,54	1478,41
70,00	6033,76	2416,14	1689,19	1356,19	1215,59	1109,55
75,00	5164,42	1799,75	1210,16	979,45	882,19	818,61
80,00	4330,96	1247,76	806,14	639,84	590,22	536,34
85,00	3200,72	654,86	425,51	337,49	320,26	285,96

## HEADQUARTERS

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