

## PHOTOMETRIC RESULTS

<b>Name:</b>	<b>REBA 50 /W EXT L1688+INT IND BLINE 830 HO</b>		
<b>Number:</b>	90521+90518L006	<b>Diameter:</b>	0 mm
<b>Report:</b>	09-03-2020	<b>Length:</b>	1688 mm
<b>Meas.-no.:</b>	01	<b>Width:</b>	90 mm
<b>Lamp type:</b>	LED 830 - 01	<b>Height:</b>	54 mm
<b>Number:</b>	01	<b>Power:</b>	43,57 W
<b>Lamp flux:</b>	6480,00 lm	<b>Operator:</b>	INDEL AGUE GROUP
<b>Date:</b>	09-03-2020 9:28:28	<b>Output ratio:</b>	59,9 %

## Protocol

**LiTG-class:** C11  
**UTE-class:** Not available  
**IES-class:** 10 - 32 - 64 - 64 - 60  
**TM5-class:** BZ10

<b>Divergences in the plane through maximum intensity:</b>	Horizontal	Vertical
<b>One half peak divergence</b>	0,0°	63,7°
<b>Half peak side angle (left)</b>	-9999,0°	45,0°
<b>Half peak side angle (right)</b>	-9999,0°	108,7°
<b>One tenth peak divergence</b>	0,0°	143,5°
<b>Tenth peak side angle (left)</b>	-9999,0°	17,6°
<b>Tenth peak side angle (right)</b>	-9999,0°	161,1°

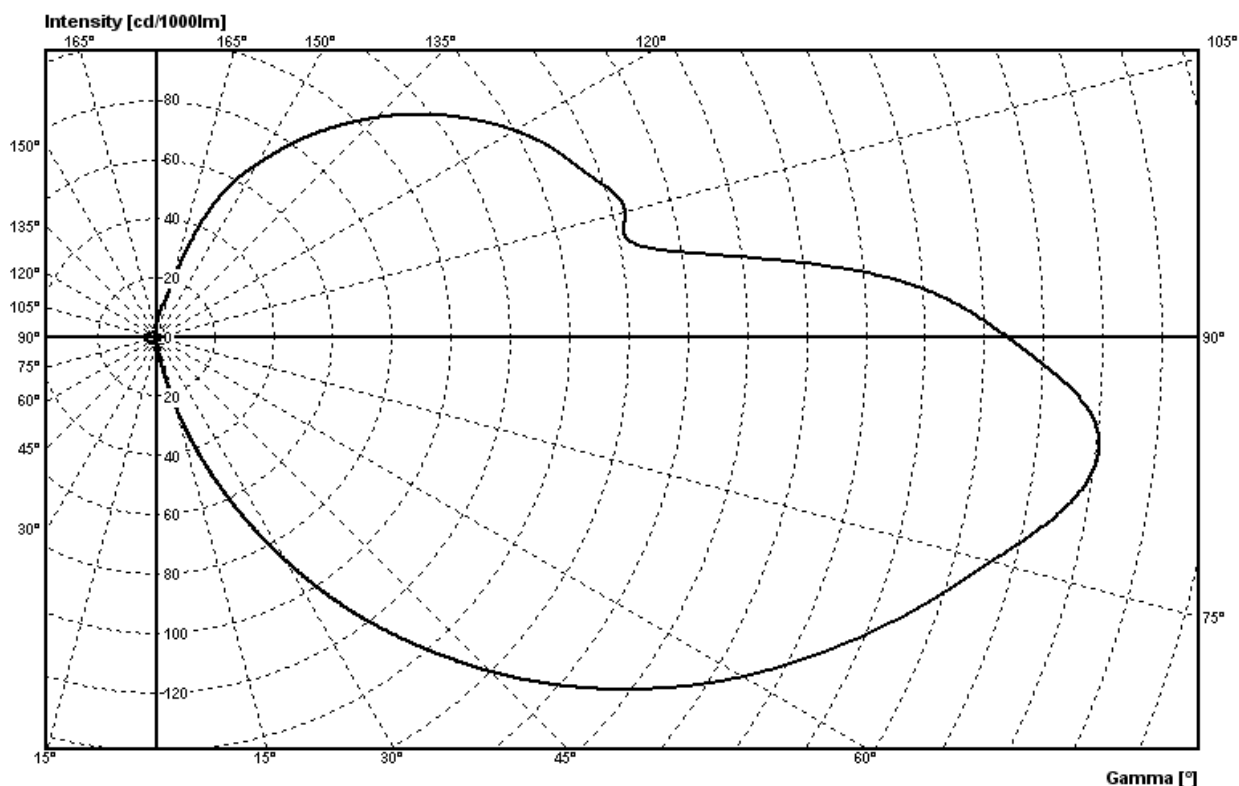
<b>C-planes:</b>	0,0°	15,0°	30,0°	45,0°	60,0°	75,0°	90,0°	105,0°	120,0°	135,0°
	150,0°	165,0°	180,0°	195,0°	210,0°	225,0°	240,0°	255,0°	270,0°	285,0°
	300,0°	315,0°	330,0°	345,0°						

<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°	95,0°
	100,0°	105,0°	110,0°	115,0°	120,0°	125,0°	130,0°	135,0°	140,0°	145,0°
	150,0°	155,0°	160,0°	165,0°	170,0°	175,0°	180,0°			

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Polar diagram REBA 50 /W EXT L1688+INT IND BLINE 830 HO / Total 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>	18,6	19,9	19,4	20,7	21,7	12,7	14,0	13,5	14,8	15,9
<b>2H</b>	<b>3H</b>	21,9	23,1	22,7	23,9	25,0	14,8	16,0	15,6	16,8	17,9
<b>2H</b>	<b>4H</b>	23,6	24,7	24,4	25,6	26,6	15,8	17,0	16,6	17,9	18,9
<b>2H</b>	<b>6H</b>	25,2	26,3	26,0	27,2	28,3	16,9	18,0	17,7	18,9	20,0
<b>2H</b>	<b>8H</b>	26,0	27,1	26,8	27,9	29,0	17,4	18,5	18,2	19,4	20,4
<b>2H</b>	<b>12H</b>	26,7	27,8	27,5	28,6	29,7	17,9	19,0	18,7	19,8	20,9
<b>4H</b>	<b>2H</b>	19,3	20,5	20,1	21,3	22,4	15,9	17,0	16,7	17,9	18,9
<b>4H</b>	<b>3H</b>	22,8	23,9	23,7	24,8	25,8	18,1	19,2	19,0	20,1	21,1
<b>4H</b>	<b>4H</b>	24,8	25,7	25,6	26,6	27,7	19,3	20,3	20,2	21,2	22,3
<b>4H</b>	<b>6H</b>	26,6	27,5	27,5	28,4	29,5	20,3	21,2	21,2	22,1	23,2
<b>4H</b>	<b>8H</b>	27,5	28,4	28,4	29,2	30,4	20,8	21,6	21,6	22,5	23,6
<b>4H</b>	<b>12H</b>	28,4	29,2	29,2	30,0	31,2	21,2	22,0	22,1	22,9	24,0
<b>8H</b>	<b>4H</b>	25,2	26,0	26,0	26,9	28,0	21,2	22,1	22,1	23,0	24,1
<b>8H</b>	<b>6H</b>	27,3	28,0	28,2	28,9	30,1	22,6	23,4	23,5	24,3	25,4
<b>8H</b>	<b>8H</b>	28,4	29,1	29,3	30,0	31,1	23,3	24,0	24,2	24,9	26,0
<b>8H</b>	<b>12H</b>	29,4	30,0	30,3	31,0	32,1	23,8	24,4	24,7	25,3	26,5
<b>12H</b>	<b>4H</b>	25,2	26,0	26,1	26,9	28,1	21,8	22,6	22,6	23,4	24,6
<b>12H</b>	<b>6H</b>	27,5	28,2	28,4	29,1	30,2	23,4	24,0	24,3	25,0	26,1
<b>12H</b>	<b>8H</b>	28,6	29,2	29,5	30,1	31,3	24,1	24,7	25,0	25,7	26,8

UGR values are corrected for lamp flux of 6480 lm by 6,5

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Luminance [cd/m<sup>2</sup>] REBA 50 /W EXT L1688+INT IND BLINE 830 HO / Total 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	15751,0	16222,8	15573,4	14016,8	11756,1	6976,51	15468,6	708,07	371,90
50,00	16784,7	17142,8	16466,7	14949,3	12746,1	8102,73	17664,1	698,48	364,45
55,00	17719,4	17978,7	17260,2	15803,0	13728,1	9275,28	20436,9	701,85	369,57
60,00	18617,3	18766,4	17970,7	16531,1	14610,1	10338,4	23991,8	705,11	376,81
65,00	19468,6	19571,0	18723,2	17237,8	15348,1	11261,1	28830,7	732,01	377,95
70,00	20399,3	20434,6	19511,4	17968,7	16107,0	12330,1	35981,2	751,97	389,75
75,00	21419,3	21452,0	20448,3	18819,0	16912,7	13274,1	47265,4	761,71	396,03
80,00	22678,9	22340,5	21335,0	19840,1	17912,9	14223,6	67445,9	787,11	405,03
85,00	22722,4	21403,0	20394,4	19401,2	17758,6	14641,0	118179,	804,88	401,71

G/C [cd/	135,00	150,00	165,00	180,00	195,00	210,00	225,00	240,00	255,00
45,00	258,48	206,03	179,71	189,52	179,71	206,03	258,48	371,90	708,07
50,00	266,95	207,66	181,51	194,94	181,51	207,66	266,95	364,45	698,48
55,00	263,38	215,82	189,10	210,18	189,10	215,82	263,38	369,57	701,85
60,00	274,30	219,64	197,21	216,58	197,21	219,64	274,30	376,81	705,11
65,00	280,39	234,28	206,01	223,97	206,01	234,28	280,39	377,95	732,01
70,00	288,09	240,31	215,67	232,45	215,67	240,31	288,09	389,75	751,97
75,00	291,98	252,28	226,36	242,16	226,36	252,28	291,98	396,03	761,71
80,00	292,48	256,78	238,30	237,92	238,30	256,78	292,48	405,03	787,11
85,00	305,91	263,10	243,84	243,18	243,84	263,10	305,91	401,71	804,88

G/C [cd/	270,00	285,00	300,00	315,00	330,00	345,00
45,00	15468,6	6976,51	11756,1	14016,8	15573,4	16222,8
50,00	17664,1	8102,73	12746,1	14949,3	16466,7	17142,8
55,00	20436,9	9275,28	13728,1	15803,0	17260,2	17978,7
60,00	23991,8	10338,4	14610,1	16531,1	17970,7	18766,4
65,00	28830,7	11261,1	15348,1	17237,8	18723,2	19571,0
70,00	35981,2	12330,1	16107,0	17968,7	19511,4	20434,6
75,00	47265,4	13274,1	16912,7	18819,0	20448,3	21452,0
80,00	67445,9	14223,6	17912,9	19840,1	21335,0	22340,5
85,00	118179,	14641,0	17758,6	19401,2	20394,4	21403,0

## HEADQUARTERS

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