

## PHOTOMETRIC RESULTS

<b>Name:</b>	<b>REBA 50 EXT L1138+INT SYM BGLARE K3 830 HO</b>		
<b>Number:</b>	90517+90498L004	<b>Diameter:</b>	0 mm
<b>Report:</b>	24-01-2020	<b>Length:</b>	1138 mm
<b>Meas.-no.:</b>	01	<b>Width:</b>	50 mm
<b>Lamp type:</b>	LED 830 - 01	<b>Height:</b>	72 mm
<b>Number:</b>	01	<b>Power:</b>	28,70 W
<b>Lamp flux:</b>	4320,00 lm	<b>Operator:</b>	INDEL AGUE GROUP
<b>Date:</b>	24-01-2020 14:42:44	<b>Output ratio:</b>	62,2 %

## Protocol

**LiTG-class:** A50  
**UTE-class:** 0,62 C  
**IES-class:** 63 - 88 - 97 - 100 - 62  
**TM5-class:** BZ2/1.50/BZ3/2.00/BZ2/2.50/BZ3

<b>Divergences in the plane through maximum intensity:</b>	Horizontal	Vertical
<b>One half peak divergence</b>	80,9°	80,3°
<b>Half peak side angle (left)</b>	-40,5°	-40,1°
<b>Half peak side angle (right)</b>	40,5°	40,1°
<b>One tenth peak divergence</b>	133,0°	138,4°
<b>Tenth peak side angle (left)</b>	-66,5°	-69,2°
<b>Tenth peak side angle (right)</b>	66,5°	69,2°

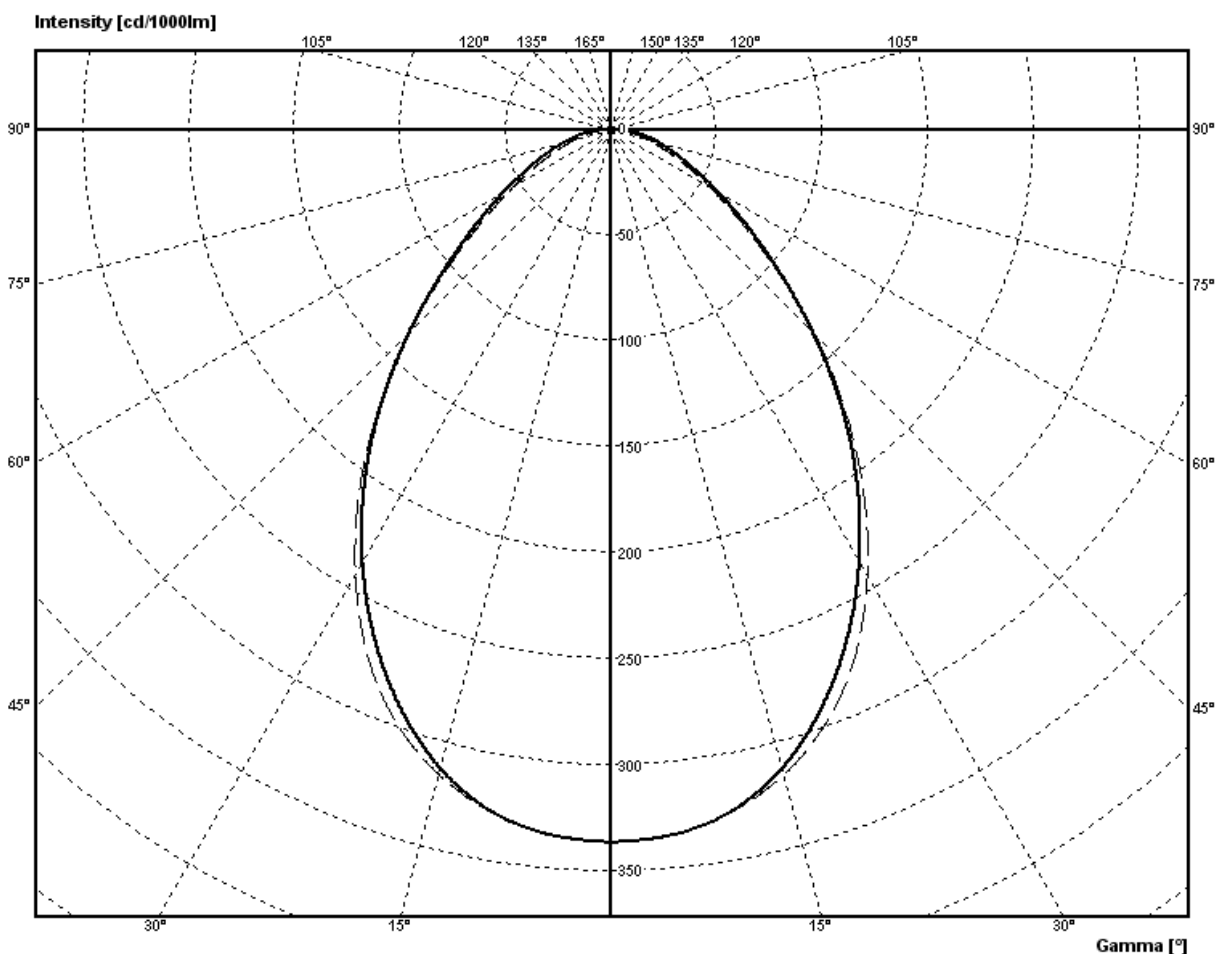
<b>C-planes:</b>	0,0°	15,0°	30,0°	45,0°	60,0°	75,0°	90,0°	105,0°	120,0°	135,0°
	150,0°	165,0°	180,0°	195,0°	210,0°	225,0°	240,0°	255,0°	270,0°	285,0°
	300,0°	315,0°	330,0°	345,0°						

<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°	

## PHOTOMETRIC RESULTS

Name:	REBA 50 EXT L1138+INT SYM BGLARE K3 830 HO		
Number:	90517+90498L004	Diameter:	0 mm
Report:	24-01-2020	Length:	1138 mm
Meas.-no.:	01	Width:	50 mm
Lamp type:	LED 830 - 01	Height:	72 mm
Number:	01	Power:	28,70 W
Lamp flux:	4320,00 lm	Operator:	INDELAGUE GROUP
Date:	24-01-2020 14:42:44	Output ratio:	62,2 %

Polar diagram REBA 50 EXT L1138+INT SYM BGLARE K3 830 HO / Direct in 15° C / 5° G



## PHOTOMETRIC RESULTS

<b>Name:</b>	<b>REBA 50 EXT L1138+INT SYM BGLARE K3 830 HO</b>		
<b>Number:</b>	90517+90498L004	<b>Diameter:</b>	0 mm
<b>Report:</b>	24-01-2020	<b>Length:</b>	1138 mm
<b>Meas.-no.:</b>	01	<b>Width:</b>	50 mm
<b>Lamp type:</b>	LED 830 - 01	<b>Height:</b>	72 mm
<b>Number:</b>	01	<b>Power:</b>	28,70 W
<b>Lamp flux:</b>	4320,00 lm	<b>Operator:</b>	INDEL AGUE GROUP
<b>Date:</b>	24-01-2020 14:42:44	<b>Output ratio:</b>	62,2 %

## 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>	16,8	18,2	17,1	18,5	18,9	18,4	19,9	18,8	20,2	20,5
<b>2H</b>	<b>3H</b>	17,3	18,6	17,6	18,9	19,2	19,0	20,3	19,4	20,6	21,0
<b>2H</b>	<b>4H</b>	17,4	18,7	17,8	19,0	19,4	19,2	20,5	19,6	20,8	21,2
<b>2H</b>	<b>6H</b>	17,6	18,7	18,0	19,0	19,4	19,4	20,6	19,8	20,9	21,3
<b>2H</b>	<b>8H</b>	17,6	18,6	18,0	19,0	19,4	19,5	20,5	19,9	20,9	21,3
<b>2H</b>	<b>12H</b>	17,5	18,6	18,0	19,0	19,4	19,5	20,5	19,9	20,9	21,3
<b>4H</b>	<b>2H</b>	17,1	18,3	17,5	18,7	19,0	18,5	19,7	18,9	20,1	20,5
<b>4H</b>	<b>3H</b>	17,7	18,7	18,1	19,1	19,5	19,2	20,2	19,6	20,6	21,0
<b>4H</b>	<b>4H</b>	18,0	18,9	18,4	19,3	19,7	19,6	20,5	20,0	20,9	21,3
<b>4H</b>	<b>6H</b>	18,1	18,9	18,6	19,4	19,8	19,8	20,6	20,2	21,0	21,4
<b>4H</b>	<b>8H</b>	18,2	18,9	18,6	19,4	19,8	19,8	20,6	20,3	21,0	21,5
<b>4H</b>	<b>12H</b>	18,2	18,9	18,7	19,3	19,8	19,9	20,6	20,4	21,0	21,5
<b>8H</b>	<b>4H</b>	18,0	18,8	18,5	19,2	19,7	19,5	20,3	20,0	20,7	21,2
<b>8H</b>	<b>6H</b>	18,2	18,9	18,7	19,3	19,8	19,8	20,4	20,3	20,9	21,4
<b>8H</b>	<b>8H</b>	18,4	18,9	18,9	19,4	19,9	19,9	20,5	20,4	21,0	21,5
<b>8H</b>	<b>12H</b>	18,4	18,9	18,9	19,4	19,9	20,0	20,4	20,5	21,0	21,5
<b>12H</b>	<b>4H</b>	18,0	18,7	18,5	19,2	19,7	19,5	20,2	20,0	20,6	21,2
<b>12H</b>	<b>6H</b>	18,3	18,8	18,8	19,3	19,8	19,8	20,3	20,3	20,9	21,3
<b>12H</b>	<b>8H</b>	18,4	18,8	18,9	19,4	19,9	19,9	20,4	20,4	20,9	21,4

UGR values are corrected for lamp flux of 4320 lm by 5,1

## PHOTOMETRIC RESULTS

<b>Name:</b>	<b>REBA 50 EXT L1138+INT SYM BGLARE K3 830 HO</b>		
<b>Number:</b>	90517+90498L004	<b>Diameter:</b>	0 mm
<b>Report:</b>	24-01-2020	<b>Length:</b>	1138 mm
<b>Meas.-no.:</b>	01	<b>Width:</b>	50 mm
<b>Lamp type:</b>	LED 830 - 01	<b>Height:</b>	72 mm
<b>Number:</b>	01	<b>Power:</b>	28,70 W
<b>Lamp flux:</b>	4320,00 lm	<b>Operator:</b>	INDEL AGUE GROUP
<b>Date:</b>	24-01-2020 14:42:44	<b>Output ratio:</b>	62,2 %

Luminance [cd/m<sup>2</sup>] REBA 50 EXT L1138+INT SYM BGLARE K3 830 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	6212,87	6312,42	6881,48	7779,47	8989,68	11006,1	15070,5	11006,1	8989,68
50,00	4696,89	4765,93	5166,99	5892,55	6877,71	8514,71	12166,1	8514,71	6877,71
55,00	3509,75	3548,74	3896,32	4375,14	5147,45	6452,16	9781,85	6452,16	5147,45
60,00	2628,11	2623,21	2919,24	3231,20	3820,82	4860,94	7955,33	4860,94	3820,82
65,00	1951,96	1944,94	2143,91	2366,48	2823,80	3685,98	6467,08	3685,98	2823,80
70,00	1470,28	1485,77	1612,51	1761,75	2107,14	2795,81	5318,34	2795,81	2107,14
75,00	1090,28	1115,10	1189,98	1292,05	1546,69	2144,17	4502,08	2144,17	1546,69
80,00	747,83	741,17	812,85	862,30	1062,60	1527,93	3698,34	1527,93	1062,60
85,00	401,68	404,11	449,83	467,58	575,63	833,91	2611,18	833,91	575,63

G/C [cd/	135,00	150,00	165,00	180,00	195,00	210,00	225,00	240,00	255,00
45,00	7779,47	6881,48	6312,42	6212,87	6312,42	6881,48	7779,47	8989,68	11006,1
50,00	5892,55	5166,99	4765,93	4696,89	4765,93	5166,99	5892,55	6877,71	8514,71
55,00	4375,14	3896,32	3548,74	3509,75	3548,74	3896,32	4375,14	5147,45	6452,16
60,00	3231,20	2919,24	2623,21	2628,11	2623,21	2919,24	3231,20	3820,82	4860,94
65,00	2366,48	2143,91	1944,94	1951,96	1944,94	2143,91	2366,48	2823,80	3685,98
70,00	1761,75	1612,51	1485,77	1470,28	1485,77	1612,51	1761,75	2107,14	2795,81
75,00	1292,05	1189,98	1115,10	1090,28	1115,10	1189,98	1292,05	1546,69	2144,17
80,00	862,30	812,85	741,17	747,83	741,17	812,85	862,30	1062,60	1527,93
85,00	467,58	449,83	404,11	401,68	404,11	449,83	467,58	575,63	833,91

G/C [cd/	270,00	285,00	300,00	315,00	330,00	345,00
45,00	15070,5	11006,1	8989,68	7779,47	6881,48	6312,42
50,00	12166,1	8514,71	6877,71	5892,55	5166,99	4765,93
55,00	9781,85	6452,16	5147,45	4375,14	3896,32	3548,74
60,00	7955,33	4860,94	3820,82	3231,20	2919,24	2623,21
65,00	6467,08	3685,98	2823,80	2366,48	2143,91	1944,94
70,00	5318,34	2795,81	2107,14	1761,75	1612,51	1485,77
75,00	4502,08	2144,17	1546,69	1292,05	1189,98	1115,10
80,00	3698,34	1527,93	1062,60	862,30	812,85	741,17
85,00	2611,18	833,91	575,63	467,58	449,83	404,11

## HEADQUARTERS

INDÚSTRIA ELÉTRICA DE ÁGUEDA S.A.

Rua da Mina 465 | Covão | Zona industrial EN1 Norte

3750-792 Trofa ÁGUEDA | PORTUGAL

www.indelague.com | www.roxolighting.com

indelague@indelague.pt | roxo.london@roxolighting.com

Tel. (+351) 234 612 310

Fax (+351) 234 624 058