

## PHOTOMETRIC RESULTS

<b>Name:</b>	<b>REBA 50 D/I EXT L2540+INT SYM BGLARE 830 HO</b>		
<b>Number:</b>	90523+90528L009	<b>Diameter:</b>	0 mm
<b>Report:</b>	26-02-2020	<b>Length:</b>	2540 mm
<b>Meas.-no.:</b>	01	<b>Width:</b>	50 mm
<b>Lamp type:</b>	LED 830 - 01	<b>Height:</b>	87 mm
<b>Number:</b>	01	<b>Power:</b>	117,08 W
<b>Lamp flux:</b>	17280,00 lm	<b>Operator:</b>	INDEL AGUE GROUP
<b>Date:</b>	27-02-2020 15:07:49	<b>Output ratio:</b>	61,6 %

## Protocol

**LiTG-class:** B53  
**UTE-class:** 0,36 C + 0,26 T  
**IES-class:** 62 - 88 - 97 - 58 - 62  
**TM5-class:** BZ2/1.25/BZ3

## Divergences in the plane through maximum intensity:

	Horizontal	Vertical
One half peak divergence	80,7°	80,6°
Half peak side angle (left)	-40,4°	-40,3°
Half peak side angle (right)	40,4°	40,3°
One tenth peak divergence	134,0°	137,9°
Tenth peak side angle (left)	-67,0°	-68,9°
Tenth peak side angle (right)	67,0°	68,9°

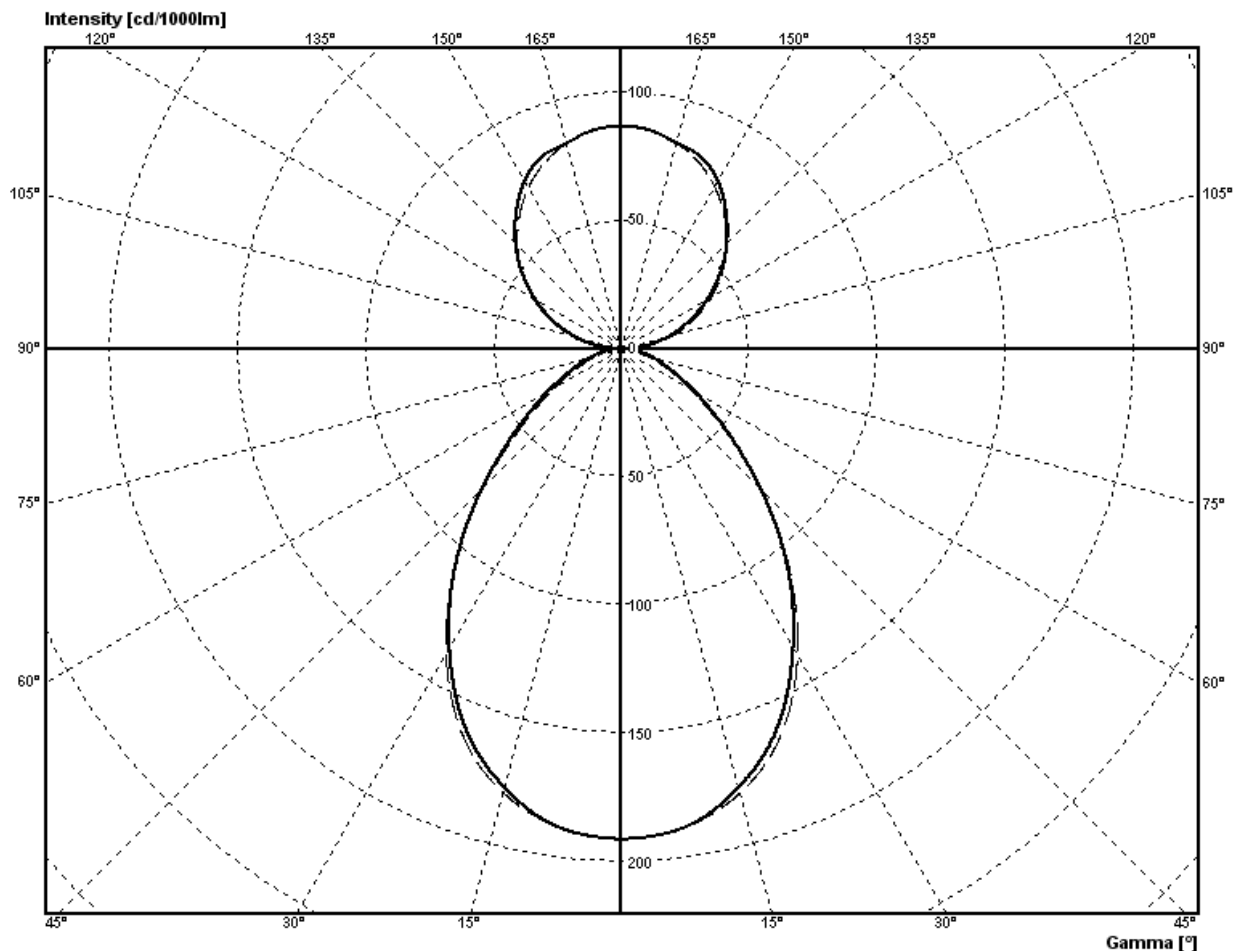
<b>C-planes:</b>	0,0°	15,0°	30,0°	45,0°	60,0°	75,0°	90,0°	105,0°	120,0°	135,0°
	150,0°	165,0°	180,0°	195,0°	210,0°	225,0°	240,0°	255,0°	270,0°	285,0°
	300,0°	315,0°	330,0°	345,0°						

<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 D/I EXT L2540+INT SYM BGLARE 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>	13,2	14,0	14,1	15,0	16,1	15,1	16,0	16,0	16,9	18,1
<b>2H</b>	<b>3H</b>	13,6	14,4	14,5	15,3	16,5	15,8	16,6	16,7	17,5	18,6
<b>2H</b>	<b>4H</b>	13,7	14,4	14,6	15,4	16,5	16,0	16,8	16,9	17,7	18,9
<b>2H</b>	<b>6H</b>	13,8	14,5	14,7	15,4	16,6	16,2	16,9	17,2	17,8	19,0
<b>2H</b>	<b>8H</b>	13,8	14,4	14,7	15,3	16,6	16,3	16,9	17,2	17,8	19,1
<b>2H</b>	<b>12H</b>	13,7	14,4	14,7	15,3	16,5	16,3	16,9	17,2	17,8	19,1
<b>4H</b>	<b>2H</b>	13,5	14,2	14,4	15,1	16,3	15,2	15,9	16,1	16,8	18,0
<b>4H</b>	<b>3H</b>	14,0	14,6	14,9	15,5	16,7	15,9	16,5	16,8	17,5	18,7
<b>4H</b>	<b>4H</b>	14,2	14,8	15,1	15,7	16,9	16,2	16,8	17,2	17,7	19,0
<b>4H</b>	<b>6H</b>	14,3	14,8	15,3	15,8	17,0	16,5	16,9	17,4	17,9	19,1
<b>4H</b>	<b>8H</b>	14,3	14,8	15,3	15,7	17,0	16,5	17,0	17,5	18,0	19,2
<b>4H</b>	<b>12H</b>	14,3	14,8	15,3	15,7	17,0	16,6	17,0	17,6	18,0	19,3
<b>8H</b>	<b>4H</b>	14,2	14,7	15,2	15,7	16,9	16,2	16,6	17,1	17,6	18,8
<b>8H</b>	<b>6H</b>	14,4	14,8	15,4	15,7	17,0	16,4	16,8	17,4	17,8	19,1
<b>8H</b>	<b>8H</b>	14,5	14,8	15,5	15,8	17,1	16,6	16,9	17,6	17,9	19,2
<b>8H</b>	<b>12H</b>	14,5	14,8	15,5	15,8	17,1	16,7	16,9	17,7	17,9	19,2
<b>12H</b>	<b>4H</b>	14,2	14,6	15,2	15,6	16,9	16,2	16,6	17,1	17,5	18,8
<b>12H</b>	<b>6H</b>	14,4	14,8	15,4	15,8	17,0	16,5	16,8	17,5	17,8	19,0
<b>12H</b>	<b>8H</b>	14,5	14,8	15,5	15,8	17,0	16,6	16,8	17,6	17,8	19,1

UGR values are corrected for lamp flux of 17280 lm by 9,9

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Luminance [cd/m<sup>2</sup>] REBA 50 D/I EXT L2540+INT SYM BGLARE 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	5605,56	5747,61	6306,69	7224,33	8578,92	10719,4	15614,8	10719,4	8578,92
50,00	4201,92	4304,43	4730,54	5465,88	6550,44	8285,27	12751,0	8285,27	6550,44
55,00	3117,94	3162,34	3531,28	4053,89	4912,35	6418,90	10371,9	6418,90	4912,35
60,00	2309,35	2306,51	2622,03	3006,68	3656,02	4960,86	8572,77	4960,86	3656,02
65,00	1694,94	1699,42	1899,03	2195,65	2723,36	3787,98	7131,94	3787,98	2723,36
70,00	1241,71	1265,97	1416,53	1611,35	2012,67	2893,45	6012,05	2893,45	2012,67
75,00	891,03	920,81	1030,39	1168,48	1447,70	2205,36	5261,64	2205,36	1447,70
80,00	599,58	612,42	696,20	766,29	964,10	1529,19	4619,47	1529,19	964,10
85,00	344,09	353,84	406,65	418,46	519,61	838,00	4198,72	838,00	519,61

G/C [cd/	135,00	150,00	165,00	180,00	195,00	210,00	225,00	240,00	255,00
45,00	7224,33	6306,69	5747,61	5605,56	5747,61	6306,69	7224,33	8578,92	10719,4
50,00	5465,88	4730,54	4304,43	4201,92	4304,43	4730,54	5465,88	6550,44	8285,27
55,00	4053,89	3531,28	3162,34	3117,94	3162,34	3531,28	4053,89	4912,35	6418,90
60,00	3006,68	2622,03	2306,51	2309,35	2306,51	2622,03	3006,68	3656,02	4960,86
65,00	2195,65	1899,03	1699,42	1694,94	1699,42	1899,03	2195,65	2723,36	3787,98
70,00	1611,35	1416,53	1265,97	1241,71	1265,97	1416,53	1611,35	2012,67	2893,45
75,00	1168,48	1030,39	920,81	891,03	920,81	1030,39	1168,48	1447,70	2205,36
80,00	766,29	696,20	612,42	599,58	612,42	696,20	766,29	964,10	1529,19
85,00	418,46	406,65	353,84	344,09	353,84	406,65	418,46	519,61	838,00

G/C [cd/	270,00	285,00	300,00	315,00	330,00	345,00
45,00	15614,8	10719,4	8578,92	7224,33	6306,69	5747,61
50,00	12751,0	8285,27	6550,44	5465,88	4730,54	4304,43
55,00	10371,9	6418,90	4912,35	4053,89	3531,28	3162,34
60,00	8572,77	4960,86	3656,02	3006,68	2622,03	2306,51
65,00	7131,94	3787,98	2723,36	2195,65	1899,03	1699,42
70,00	6012,05	2893,45	2012,67	1611,35	1416,53	1265,97
75,00	5261,64	2205,36	1447,70	1168,48	1030,39	920,81
80,00	4619,47	1529,19	964,10	766,29	696,20	612,42
85,00	4198,72	838,00	519,61	418,46	406,65	353,84

## 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