

## PHOTOMETRIC RESULTS

<b>Name:</b>	REBA 50 /E EXT L2552+INT SYM BLINE 830 HO		
<b>Number:</b>	90520+90497L009	<b>Diameter:</b>	0 mm
<b>Report:</b>	24-01-2020	<b>Length:</b>	2552 mm
<b>Meas.-no.:</b>	01	<b>Width:</b>	62 mm
<b>Lamp type:</b>	LED 830 - 01	<b>Height:</b>	72 mm
<b>Number:</b>	01	<b>Power:</b>	65,74 W
<b>Lamp flux:</b>	9720,00 lm	<b>Operator:</b>	INDEL AGUE GROUP
<b>Date:</b>	24-01-2020 14:27:36	<b>Output ratio:</b>	63,1 %

## Protocol

**LiTG-class:** A40  
**UTE-class:** 0,63 E  
**IES-class:** 50 - 80 - 95 - 100 - 63  
**TM5-class:** BZ5/0.75/BZ4

## Divergences in the plane through maximum intensity:

	Horizontal	Vertical
One half peak divergence	102,1°	100,2°
Half peak side angle (left)	-51,0°	-50,1°
Half peak side angle (right)	51,0°	50,1°
One tenth peak divergence	157,2°	160,5°
Tenth peak side angle (left)	-78,6°	-80,3°
Tenth peak side angle (right)	78,6°	80,3°

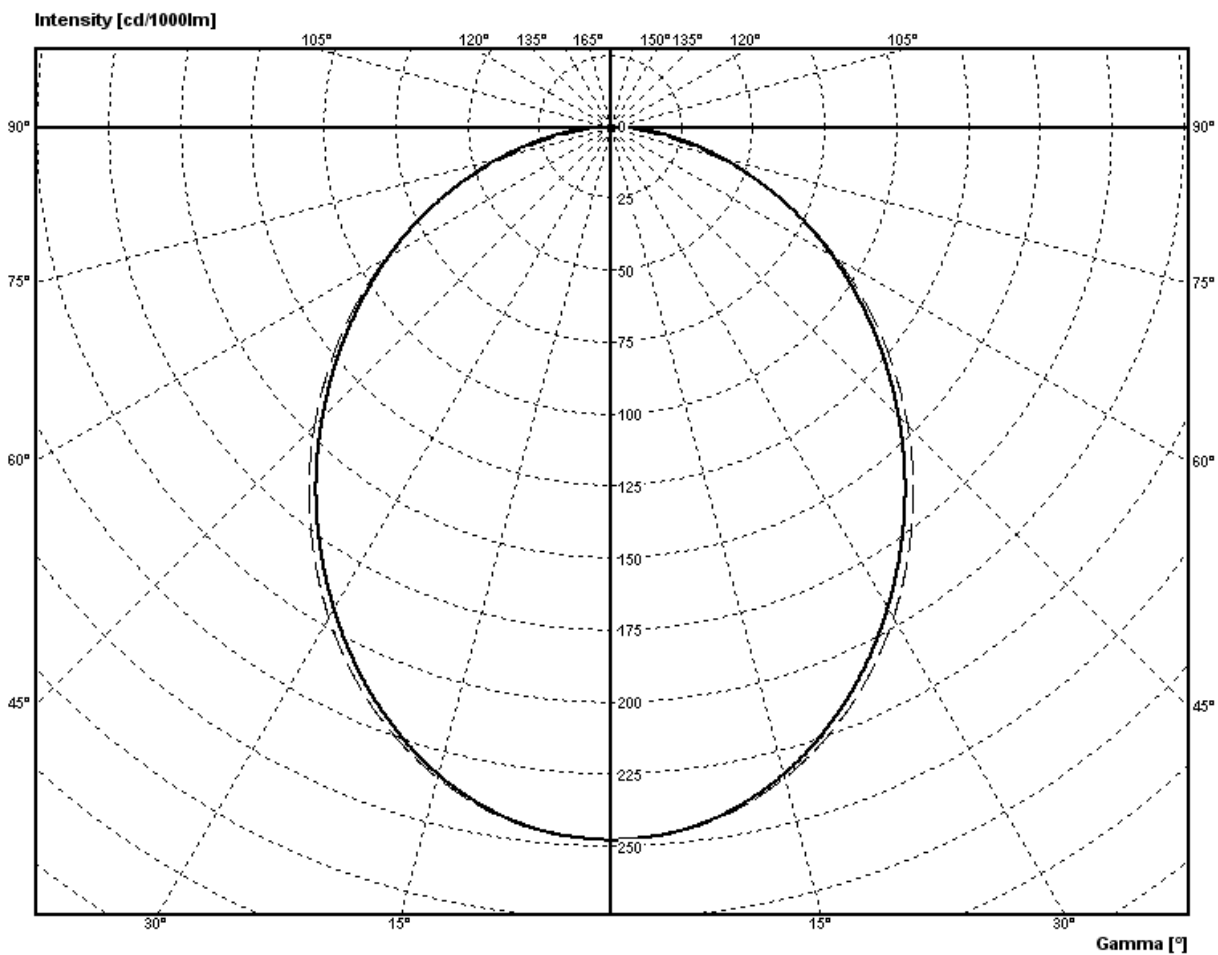
<b>C-planes:</b>	0,0°	15,0°	30,0°	45,0°	60,0°	75,0°	90,0°	105,0°	120,0°	135,0°
	150,0°	165,0°	180,0°	195,0°	210,0°	225,0°	240,0°	255,0°	270,0°	285,0°
	300,0°	315,0°	330,0°	345,0°						

<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°	

## PHOTOMETRIC RESULTS

Name:	REBA 50 /E EXT L2552+INT SYM BLINE 830 HO		
Number:	90520+90497L009	Diameter:	0 mm
Report:	24-01-2020	Length:	2552 mm
Meas.-no.:	01	Width:	62 mm
Lamp type:	LED 830 - 01	Height:	72 mm
Number:	01	Power:	65,74 W
Lamp flux:	9720,00 lm	Operator:	INDELAGUE GROUP
Date:	24-01-2020 14:27:36	Output ratio:	63,1 %

Polar diagram REBA 50 /E EXT L2552+INT SYM BLINE 830 HO / Direct in 15° C / 5° 



## PHOTOMETRIC RESULTS

<b>Name:</b>	REBA 50 /E EXT L2552+INT SYM BLINE 830 HO		
<b>Number:</b>	90520+90497L009	<b>Diameter:</b>	0 mm
<b>Report:</b>	24-01-2020	<b>Length:</b>	2552 mm
<b>Meas.-no.:</b>	01	<b>Width:</b>	62 mm
<b>Lamp type:</b>	LED 830 - 01	<b>Height:</b>	72 mm
<b>Number:</b>	01	<b>Power:</b>	65,74 W
<b>Lamp flux:</b>	9720,00 lm	<b>Operator:</b>	INDEL AGUE GROUP
<b>Date:</b>	24-01-2020 14:27:36	<b>Output ratio:</b>	63,1 %

## 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>	18,0	19,6	18,3	19,9	20,2	20,2	21,8	20,5	22,1	22,4
<b>2H</b>	<b>3H</b>	19,0	20,4	19,3	20,8	21,1	21,6	23,1	22,0	23,4	23,7
<b>2H</b>	<b>4H</b>	19,3	20,7	19,7	21,0	21,4	22,1	23,5	22,5	23,8	24,2
<b>2H</b>	<b>6H</b>	19,5	20,8	19,9	21,2	21,6	22,5	23,8	22,9	24,1	24,5
<b>2H</b>	<b>8H</b>	19,6	20,8	20,0	21,2	21,6	22,6	23,8	23,0	24,2	24,6
<b>2H</b>	<b>12H</b>	19,6	20,8	20,0	21,1	21,5	22,6	23,8	23,0	24,2	24,6
<b>4H</b>	<b>2H</b>	18,7	20,0	19,0	20,4	20,7	20,5	21,8	20,9	22,2	22,6
<b>4H</b>	<b>3H</b>	19,8	21,0	20,2	21,3	21,7	22,0	23,2	22,4	23,5	23,9
<b>4H</b>	<b>4H</b>	20,2	21,3	20,7	21,7	22,1	22,6	23,7	23,1	24,1	24,5
<b>4H</b>	<b>6H</b>	20,5	21,4	21,0	21,9	22,3	23,0	24,0	23,5	24,4	24,8
<b>4H</b>	<b>8H</b>	20,6	21,4	21,0	21,9	22,4	23,1	24,0	23,6	24,5	24,9
<b>4H</b>	<b>12H</b>	20,6	21,4	21,1	21,9	22,4	23,2	24,0	23,7	24,5	25,0
<b>8H</b>	<b>4H</b>	20,4	21,3	20,9	21,8	22,2	22,7	23,5	23,1	24,0	24,4
<b>8H</b>	<b>6H</b>	20,8	21,5	21,3	22,0	22,5	23,1	23,8	23,6	24,3	24,8
<b>8H</b>	<b>8H</b>	21,0	21,6	21,5	22,1	22,6	23,3	24,0	23,8	24,5	24,9
<b>8H</b>	<b>12H</b>	21,0	21,6	21,5	22,1	22,6	23,4	24,0	23,9	24,5	25,0
<b>12H</b>	<b>4H</b>	20,5	21,3	20,9	21,7	22,2	22,7	23,5	23,1	23,9	24,4
<b>12H</b>	<b>6H</b>	20,9	21,5	21,4	22,0	22,5	23,2	23,8	23,7	24,3	24,8
<b>12H</b>	<b>8H</b>	21,0	21,5	21,5	22,0	22,6	23,3	23,9	23,8	24,4	24,9

UGR values are corrected for lamp flux of 9720 lm by 7,9

## PHOTOMETRIC RESULTS

<b>Name:</b>	REBA 50 /E EXT L2552+INT SYM BLINE 830 HO		
<b>Number:</b>	90520+90497L009	<b>Diameter:</b>	0 mm
<b>Report:</b>	24-01-2020	<b>Length:</b>	2552 mm
<b>Meas.-no.:</b>	01	<b>Width:</b>	62 mm
<b>Lamp type:</b>	LED 830 - 01	<b>Height:</b>	72 mm
<b>Number:</b>	01	<b>Power:</b>	65,74 W
<b>Lamp flux:</b>	9720,00 lm	<b>Operator:</b>	INDEL AGUE GROUP
<b>Date:</b>	24-01-2020 14:27:36	<b>Output ratio:</b>	63,1 %

Luminance [cd/m<sup>2</sup>] REBA 50 /E EXT L2552+INT SYM BLINE 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	6545,21	6673,96	7140,75	8020,35	9497,14	12025,6	16795,4	12025,6	9497,14
50,00	5641,57	5762,57	6190,02	7007,75	8429,21	10939,6	16076,0	10939,6	8429,21
55,00	4800,91	4916,83	5299,45	6050,58	7373,34	9845,00	15302,1	9845,00	7373,34
60,00	4024,59	4116,47	4456,25	5116,06	6334,51	8678,63	14467,0	8678,63	6334,51
65,00	3276,63	3352,46	3633,42	4201,07	5264,56	7421,03	13469,4	7421,03	5264,56
70,00	2551,11	2615,25	2836,64	3293,89	4174,24	6062,08	12211,1	6062,08	4174,24
75,00	1869,36	1907,76	2069,23	2394,79	3057,24	4551,01	10593,5	4551,01	3057,24
80,00	1237,37	1252,91	1354,33	1541,68	1957,80	2959,90	8413,10	2959,90	1957,80
85,00	680,97	683,76	726,32	799,85	985,13	1423,13	5608,30	1423,13	985,13

G/C [cd/	135,00	150,00	165,00	180,00	195,00	210,00	225,00	240,00	255,00
45,00	8020,35	7140,75	6673,96	6545,21	6673,96	7140,75	8020,35	9497,14	12025,6
50,00	7007,75	6190,02	5762,57	5641,57	5762,57	6190,02	7007,75	8429,21	10939,6
55,00	6050,58	5299,45	4916,83	4800,91	4916,83	5299,45	6050,58	7373,34	9845,00
60,00	5116,06	4456,25	4116,47	4024,59	4116,47	4456,25	5116,06	6334,51	8678,63
65,00	4201,07	3633,42	3352,46	3276,63	3352,46	3633,42	4201,07	5264,56	7421,03
70,00	3293,89	2836,64	2615,25	2551,11	2615,25	2836,64	3293,89	4174,24	6062,08
75,00	2394,79	2069,23	1907,76	1869,36	1907,76	2069,23	2394,79	3057,24	4551,01
80,00	1541,68	1354,33	1252,91	1237,37	1252,91	1354,33	1541,68	1957,80	2959,90
85,00	799,85	726,32	683,76	680,97	683,76	726,32	799,85	985,13	1423,13

G/C [cd/	270,00	285,00	300,00	315,00	330,00	345,00
45,00	16795,4	12025,6	9497,14	8020,35	7140,75	6673,96
50,00	16076,0	10939,6	8429,21	7007,75	6190,02	5762,57
55,00	15302,1	9845,00	7373,34	6050,58	5299,45	4916,83
60,00	14467,0	8678,63	6334,51	5116,06	4456,25	4116,47
65,00	13469,4	7421,03	5264,56	4201,07	3633,42	3352,46
70,00	12211,1	6062,08	4174,24	3293,89	2836,64	2615,25
75,00	10593,5	4551,01	3057,24	2394,79	2069,23	1907,76
80,00	8413,10	2959,90	1957,80	1541,68	1354,33	1252,91
85,00	5608,30	1423,13	985,13	799,85	726,32	683,76

## 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