

## PHOTOMETRIC RESULTS

Name:	REBA 50 /E EXT LINE L1407 SRT/END+INT SYM BLINE 830 HO		
Number:	90506-83+90497L005	Diameter:	0 mm
Report:	24-01-2020	Length:	1407 mm
Meas.-no.:	01	Width:	62 mm
Lamp type:	LED 830 - 01	Height:	72 mm
Number:	1	Power:	36,8 W
Lamp flux:	5400,00 lm	Operator:	INDEL AGUE GROUP
Date:	24-01-2020 16:26:13	Output ratio:	63,5 %

## Protocol

LiTG-class: A40  
UTE-class: 0,63 E  
IES-class: 49 - 80 - 95 - 100 - 63  
TM5-class: BZ5/0.75/BZ4

## Divergences in the plane through maximum intensity:

	Horizontal	Vertical
One half peak divergence	102,6°	100,7°
Half peak side angle (left)	-51,3°	-50,3°
Half peak side angle (right)	51,3°	50,3°
One tenth peak divergence	157,4°	160,5°
Tenth peak side angle (left)	-78,7°	-80,3°
Tenth peak side angle (right)	78,7°	80,3°

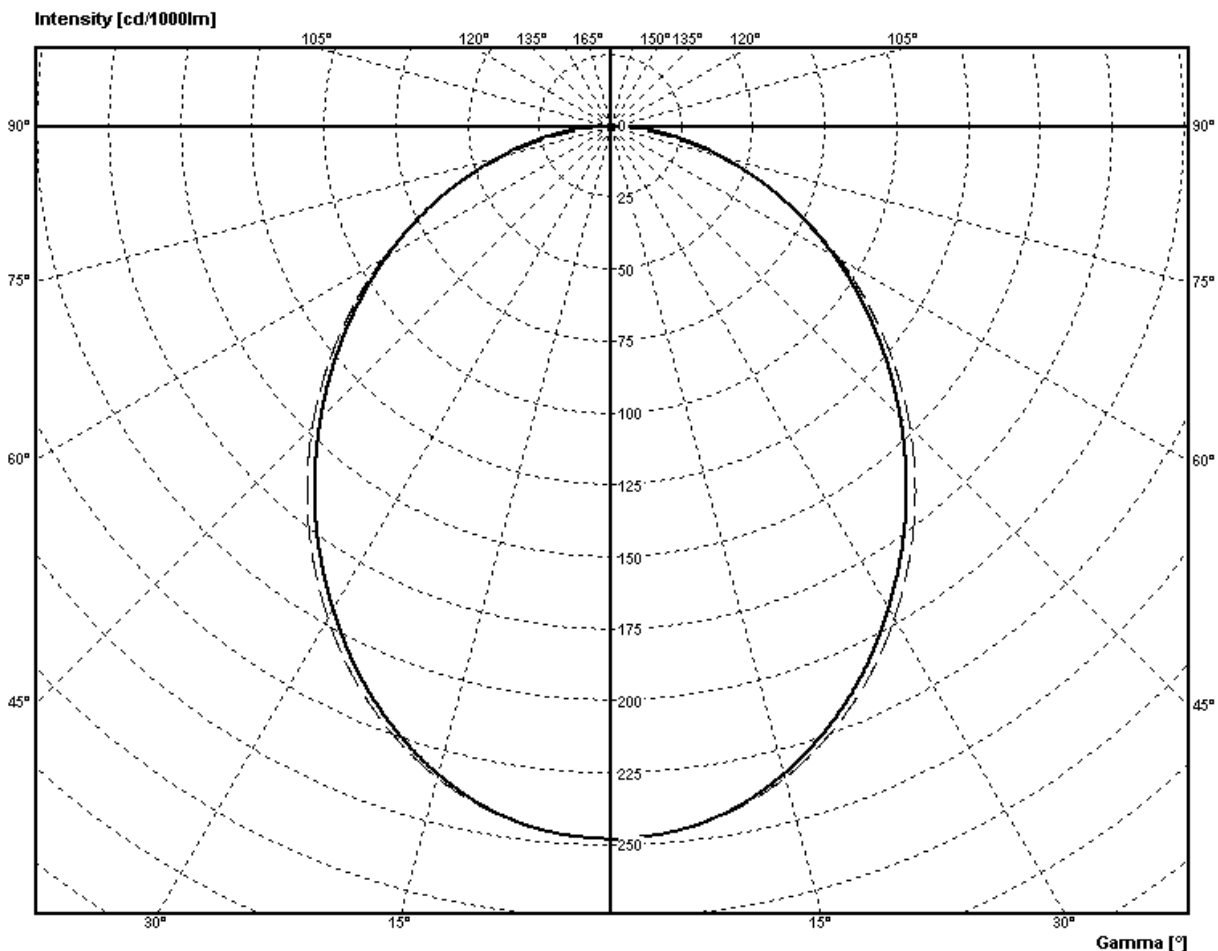
C-planes:	0,0°	15,0°	30,0°	45,0°	60,0°	75,0°	90,0°	105,0°	120,0°	135,0°
	150,0°	165,0°	180,0°	195,0°	210,0°	225,0°	240,0°	255,0°	270,0°	285,0°
	300,0°	315,0°	330,0°	345,0°						

Gamma:	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 LINE L1407 SRT/END+INT SYM BLINE 830 HO		
Number:	90506-83+90497L005	Diameter:	0 mm
Report:	24-01-2020	Length:	1407 mm
Meas.-no.:	01	Width:	62 mm
Lamp type:	LED 830 - 01	Height:	72 mm
Number:	1	Power:	36,8 W
Lamp flux:	5400,00 lm	Operator:	INDELAGUE GROUP
Date:	24-01-2020 16:26:13	Output ratio:	63,5 %

Polar diagram REBA 50 /E EXT LINE L1407 SRT/END+INT SYM BLINE 830 HO / Direct  
in 15° C / 5° G



## PHOTOMETRIC RESULTS

<b>Name:</b>	<b>REBA 50 /E EXT LINE L1407 SRT/END+INT SYM BLINE 830 HO</b>		
<b>Number:</b>	90506-83+90497L005	<b>Diameter:</b>	0 mm
<b>Report:</b>	24-01-2020	<b>Length:</b>	1407 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>	1	<b>Power:</b>	36,8 W
<b>Lamp flux:</b>	5400,00 lm	<b>Operator:</b>	INDEL AGUE GROUP
<b>Date:</b>	24-01-2020 16:26:13	<b>Output ratio:</b>	63,5 %

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

UGR values are corrected for lamp flux of 5400 lm by 5,9

## PHOTOMETRIC RESULTS

<b>Name:</b>	<b>REBA 50 /E EXT LINE L1407 SRT/END+INT SYM BLINE 830 HO</b>		
<b>Number:</b>	90506-83+90497L005	<b>Diameter:</b>	0 mm
<b>Report:</b>	24-01-2020	<b>Length:</b>	1407 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>	1	<b>Power:</b>	36,8 W
<b>Lamp flux:</b>	5400,00 lm	<b>Operator:</b>	INDEL AGUE GROUP
<b>Date:</b>	24-01-2020 16:26:13	<b>Output ratio:</b>	63,5 %

Luminance [cd/m<sup>2</sup>] REBA 50 /E EXT LINE L1407 SRT/END+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	6584,45	6697,15	7153,61	8006,29	9462,07	11935,6	16557,0	11935,6	9462,07
50,00	5683,82	5787,41	6203,60	7003,30	8400,74	10856,1	15794,0	10856,1	8400,74
55,00	4843,54	4935,67	5312,52	6044,98	7337,93	9749,34	14979,8	9749,34	7337,93
60,00	4060,74	4134,88	4465,91	5114,95	6310,82	8582,57	14098,5	8582,57	6310,82
65,00	3302,90	3368,19	3652,63	4199,28	5255,31	7333,33	13055,1	7333,33	5255,31
70,00	2579,28	2630,41	2851,26	3293,35	4171,66	5984,18	11705,3	5984,18	4171,66
75,00	1886,19	1917,57	2079,89	2393,00	3044,73	4482,28	9990,18	4482,28	3044,73
80,00	1240,08	1252,35	1351,75	1535,67	1939,20	2906,43	7705,87	2906,43	1939,20
85,00	697,83	693,00	732,31	795,33	973,89	1375,18	4795,68	1375,18	973,89

G/C [cd/	135,00	150,00	165,00	180,00	195,00	210,00	225,00	240,00	255,00
45,00	8006,29	7153,61	6697,15	6584,45	6697,15	7153,61	8006,29	9462,07	11935,6
50,00	7003,30	6203,60	5787,41	5683,82	5787,41	6203,60	7003,30	8400,74	10856,1
55,00	6044,98	5312,52	4935,67	4843,54	4935,67	5312,52	6044,98	7337,93	9749,34
60,00	5114,95	4465,91	4134,88	4060,74	4134,88	4465,91	5114,95	6310,82	8582,57
65,00	4199,28	3652,63	3368,19	3302,90	3368,19	3652,63	4199,28	5255,31	7333,33
70,00	3293,35	2851,26	2630,41	2579,28	2630,41	2851,26	3293,35	4171,66	5984,18
75,00	2393,00	2079,89	1917,57	1886,19	1917,57	2079,89	2393,00	3044,73	4482,28
80,00	1535,67	1351,75	1252,35	1240,08	1252,35	1351,75	1535,67	1939,20	2906,43
85,00	795,33	732,31	693,00	697,83	693,00	732,31	795,33	973,89	1375,18

G/C [cd/	270,00	285,00	300,00	315,00	330,00	345,00
45,00	16557,0	11935,6	9462,07	8006,29	7153,61	6697,15
50,00	15794,0	10856,1	8400,74	7003,30	6203,60	5787,41
55,00	14979,8	9749,34	7337,93	6044,98	5312,52	4935,67
60,00	14098,5	8582,57	6310,82	5114,95	4465,91	4134,88
65,00	13055,1	7333,33	5255,31	4199,28	3652,63	3368,19
70,00	11705,3	5984,18	4171,66	3293,35	2851,26	2630,41
75,00	9990,18	4482,28	3044,73	2393,00	2079,89	1917,57
80,00	7705,87	2906,43	1939,20	1535,67	1351,75	1252,35
85,00	4795,68	1375,18	973,89	795,33	732,31	693,00

## 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