

## PHOTOMETRIC RESULTS

<b>Name:</b>	REBA 50 /T EXT LINE L0860 SRT/END+INT SYM BLINE 830 HO		
<b>Number:</b>	90507-83+90497L003	<b>Diameter:</b>	0 mm
<b>Report:</b>	24-01-2020	<b>Length:</b>	860 mm
<b>Meas.-no.:</b>	01	<b>Width:</b>	70 mm
<b>Lamp type:</b>	LED 830 - 01	<b>Height:</b>	114 mm
<b>Number:</b>	01	<b>Power:</b>	21,79 W
<b>Lamp flux:</b>	3240,00 lm	<b>Operator:</b>	INDEL AGUE GROUP
<b>Date:</b>	24-01-2020 11:20:24	<b>Output ratio:</b>	64,0 %

## Protocol

**LiTG-class:** A40  
**UTE-class:** 0,64 E  
**IES-class:** 50 - 80 - 95 - 100 - 64  
**TM5-class:** BZ5/0.75/BZ4

<b>Divergences in the plane through maximum intensity:</b>	Horizontal	Vertical
<b>One half peak divergence</b>	101,2°	99,7°
<b>Half peak side angle (left)</b>	-50,6°	-49,9°
<b>Half peak side angle (right)</b>	50,6°	49,9°
<b>One tenth peak divergence</b>	156,9°	160,3°
<b>Tenth peak side angle (left)</b>	-78,5°	-80,1°
<b>Tenth peak side angle (right)</b>	78,5°	80,1°

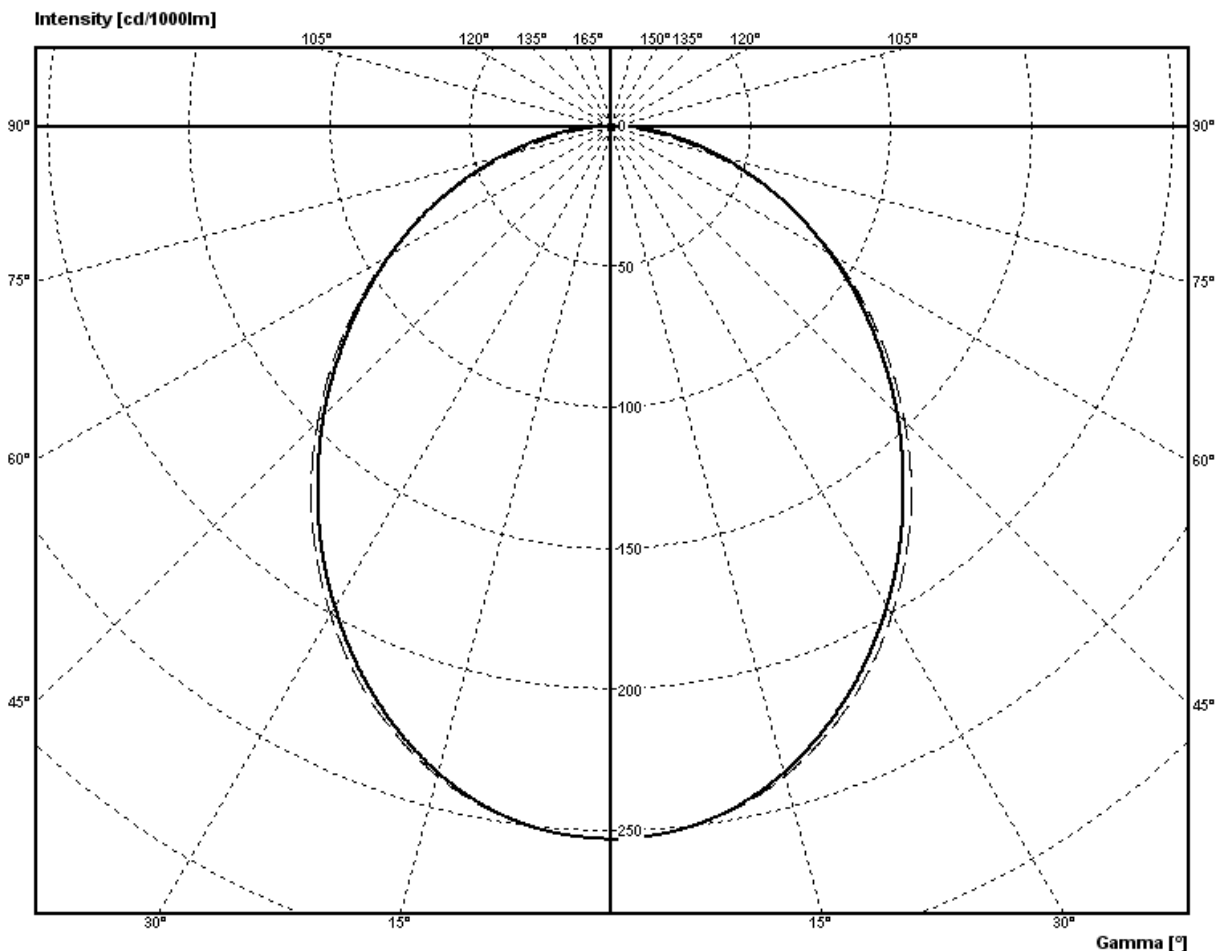
<b>C-planes:</b>	0,0°	15,0°	30,0°	45,0°	60,0°	75,0°	90,0°	105,0°	120,0°	135,0°
	150,0°	165,0°	180,0°	195,0°	210,0°	225,0°	240,0°	255,0°	270,0°	285,0°
	300,0°	315,0°	330,0°	345,0°						

<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°	

## PHOTOMETRIC RESULTS

Name:	REBA 50 /T EXT LINE L0860 SRT/END+INT SYM BLINE 830 HO		
Number:	90507-83+90497L003	Diameter:	0 mm
Report:	24-01-2020	Length:	860 mm
Meas.-no.:	01	Width:	70 mm
Lamp type:	LED 830 - 01	Height:	114 mm
Number:	01	Power:	21,79 W
Lamp flux:	3240,00 lm	Operator:	INDEL AGUE GROUP
Date:	24-01-2020 11:20:24	Output ratio:	64,0 %

Polar diagram REBA 50 /T EXT LINE L0860 SRT/END+INT SYM BLINE 830 HO / Direct  
in 15° C / 5° G



## PHOTOMETRIC RESULTS

<b>Name:</b>	<b>REBA 50 /T EXT LINE L0860 SRT/END+INT SYM BLINE 830 HO</b>		
<b>Number:</b>	90507-83+90497L003	<b>Diameter:</b>	0 mm
<b>Report:</b>	24-01-2020	<b>Length:</b>	860 mm
<b>Meas.-no.:</b>	01	<b>Width:</b>	70 mm
<b>Lamp type:</b>	LED 830 - 01	<b>Height:</b>	114 mm
<b>Number:</b>	01	<b>Power:</b>	21,79 W
<b>Lamp flux:</b>	3240,00 lm	<b>Operator:</b>	INDEL AGUE GROUP
<b>Date:</b>	24-01-2020 11:20:24	<b>Output ratio:</b>	64,0 %

## 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>	16,9	18,5	17,2	18,8	19,1	19,3	20,9	19,7	21,3	21,6
<b>2H</b>	<b>3H</b>	17,8	19,3	18,2	19,6	19,9	20,7	22,1	21,0	22,5	22,8
<b>2H</b>	<b>4H</b>	18,1	19,5	18,5	19,8	20,2	21,1	22,5	21,5	22,9	23,2
<b>2H</b>	<b>6H</b>	18,3	19,6	18,7	20,0	20,4	21,5	22,7	21,9	23,1	23,5
<b>2H</b>	<b>8H</b>	18,3	19,6	18,8	20,0	20,4	21,5	22,8	21,9	23,1	23,5
<b>2H</b>	<b>12H</b>	18,4	19,5	18,8	19,9	20,3	21,5	22,7	21,9	23,1	23,5
<b>4H</b>	<b>2H</b>	17,5	18,9	17,9	19,2	19,6	19,6	20,9	20,0	21,3	21,7
<b>4H</b>	<b>3H</b>	18,6	19,8	19,0	20,1	20,5	21,0	22,2	21,4	22,6	23,0
<b>4H</b>	<b>4H</b>	19,0	20,1	19,5	20,5	20,9	21,6	22,6	22,0	23,0	23,5
<b>4H</b>	<b>6H</b>	19,3	20,2	19,7	20,6	21,1	21,9	22,9	22,4	23,3	23,7
<b>4H</b>	<b>8H</b>	19,3	20,2	19,8	20,6	21,1	22,0	22,9	22,5	23,4	23,8
<b>4H</b>	<b>12H</b>	19,4	20,2	19,9	20,6	21,1	22,1	22,9	22,6	23,3	23,8
<b>8H</b>	<b>4H</b>	19,2	20,1	19,7	20,5	21,0	21,6	22,5	22,1	22,9	23,4
<b>8H</b>	<b>6H</b>	19,5	20,3	20,0	20,7	21,2	22,0	22,7	22,5	23,2	23,7
<b>8H</b>	<b>8H</b>	19,7	20,3	20,2	20,8	21,3	22,2	22,8	22,7	23,3	23,8
<b>8H</b>	<b>12H</b>	19,8	20,3	20,3	20,8	21,3	22,3	22,8	22,8	23,3	23,8
<b>12H</b>	<b>4H</b>	19,2	20,0	19,7	20,5	21,0	21,6	22,4	22,1	22,8	23,3
<b>12H</b>	<b>6H</b>	19,6	20,2	20,1	20,7	21,2	22,0	22,7	22,6	23,2	23,7
<b>12H</b>	<b>8H</b>	19,7	20,3	20,3	20,8	21,3	22,2	22,7	22,7	23,2	23,7

UGR values are corrected for lamp flux of 3240 lm by 4,1

## PHOTOMETRIC RESULTS

<b>Name:</b>	<b>REBA 50 /T EXT LINE L0860 SRT/END+INT SYM BLINE 830 HO</b>		
<b>Number:</b>	90507-83+90497L003	<b>Diameter:</b>	0 mm
<b>Report:</b>	24-01-2020	<b>Length:</b>	860 mm
<b>Meas.-no.:</b>	01	<b>Width:</b>	70 mm
<b>Lamp type:</b>	LED 830 - 01	<b>Height:</b>	114 mm
<b>Number:</b>	01	<b>Power:</b>	21,79 W
<b>Lamp flux:</b>	3240,00 lm	<b>Operator:</b>	INDEL AGUE GROUP
<b>Date:</b>	24-01-2020 11:20:24	<b>Output ratio:</b>	64,0 %

Luminance [cd/m<sup>2</sup>] REBA 50 /T EXT LINE L0860 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	4898,28	4968,86	5336,64	6055,18	7372,63	9830,16	15350,9	9830,16	7372,63
50,00	4142,44	4212,17	4533,41	5187,25	6394,10	8726,60	14423,4	8726,60	6394,10
55,00	3466,05	3527,71	3800,66	4382,45	5451,10	7633,25	13429,3	7633,25	5451,10
60,00	2849,17	2897,70	3140,53	3629,00	4575,02	6538,50	12354,7	6538,50	4575,02
65,00	2288,82	2322,79	2517,43	2921,68	3708,79	5417,93	11112,4	5417,93	3708,79
70,00	1751,02	1778,61	1929,54	2246,48	2862,31	4272,09	9652,36	4272,09	2862,31
75,00	1263,62	1281,65	1383,94	1597,07	2044,58	3088,43	7788,52	3088,43	2044,58
80,00	819,63	833,44	893,65	1012,74	1279,28	1917,90	5565,49	1917,90	1279,28
85,00	448,73	455,76	481,08	516,64	631,02	887,63	2925,66	887,63	631,02

G/C [cd/	135,00	150,00	165,00	180,00	195,00	210,00	225,00	240,00	255,00
45,00	6055,18	5336,64	4968,86	4898,28	4968,86	5336,64	6055,18	7372,63	9830,16
50,00	5187,25	4533,41	4212,17	4142,44	4212,17	4533,41	5187,25	6394,10	8726,60
55,00	4382,45	3800,66	3527,71	3466,05	3527,71	3800,66	4382,45	5451,10	7633,25
60,00	3629,00	3140,53	2897,70	2849,17	2897,70	3140,53	3629,00	4575,02	6538,50
65,00	2921,68	2517,43	2322,79	2288,82	2322,79	2517,43	2921,68	3708,79	5417,93
70,00	2246,48	1929,54	1778,61	1751,02	1778,61	1929,54	2246,48	2862,31	4272,09
75,00	1597,07	1383,94	1281,65	1263,62	1281,65	1383,94	1597,07	2044,58	3088,43
80,00	1012,74	893,65	833,44	819,63	833,44	893,65	1012,74	1279,28	1917,90
85,00	516,64	481,08	455,76	448,73	455,76	481,08	516,64	631,02	887,63

G/C [cd/	270,00	285,00	300,00	315,00	330,00	345,00
45,00	15350,9	9830,16	7372,63	6055,18	5336,64	4968,86
50,00	14423,4	8726,60	6394,10	5187,25	4533,41	4212,17
55,00	13429,3	7633,25	5451,10	4382,45	3800,66	3527,71
60,00	12354,7	6538,50	4575,02	3629,00	3140,53	2897,70
65,00	11112,4	5417,93	3708,79	2921,68	2517,43	2322,79
70,00	9652,36	4272,09	2862,31	2246,48	1929,54	1778,61
75,00	7788,52	3088,43	2044,58	1597,07	1383,94	1281,65
80,00	5565,49	1917,90	1279,28	1012,74	893,65	833,44
85,00	2925,66	887,63	631,02	516,64	481,08	455,76

## 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