

## PHOTOMETRIC RESULTS

<b>Name:</b>	<b>REBA 50 /T EXT LINE L1700 SRT/END+INT SYM BGLARE 830 HO</b>		
<b>Number:</b>	90507-83+90498L006	<b>Diameter:</b>	0 mm
<b>Report:</b>	21-01-2020	<b>Length:</b>	1700 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>	43,57 W
<b>Lamp flux:</b>	6480,00 lm	<b>Operator:</b>	INDEL AGUE GROUP
<b>Date:</b>	25-01-2020 11:20:04	<b>Output ratio:</b>	63,2 %

## Protocol

**LiTG-class:** A50  
**UTE-class:** 0,63 C  
**IES-class:** 62 - 88 - 97 - 100 - 63  
**TM5-class:** BZ2/1.25/BZ3

## Divergences in the plane through maximum intensity:

	Horizontal	Vertical
One half peak divergence	81,6°	80,3°
Half peak side angle (left)	-40,8°	-40,1°
Half peak side angle (right)	40,8°	40,1°
One tenth peak divergence	134,6°	139,4°
Tenth peak side angle (left)	-67,3°	-69,7°
Tenth peak side angle (right)	67,3°	69,7°

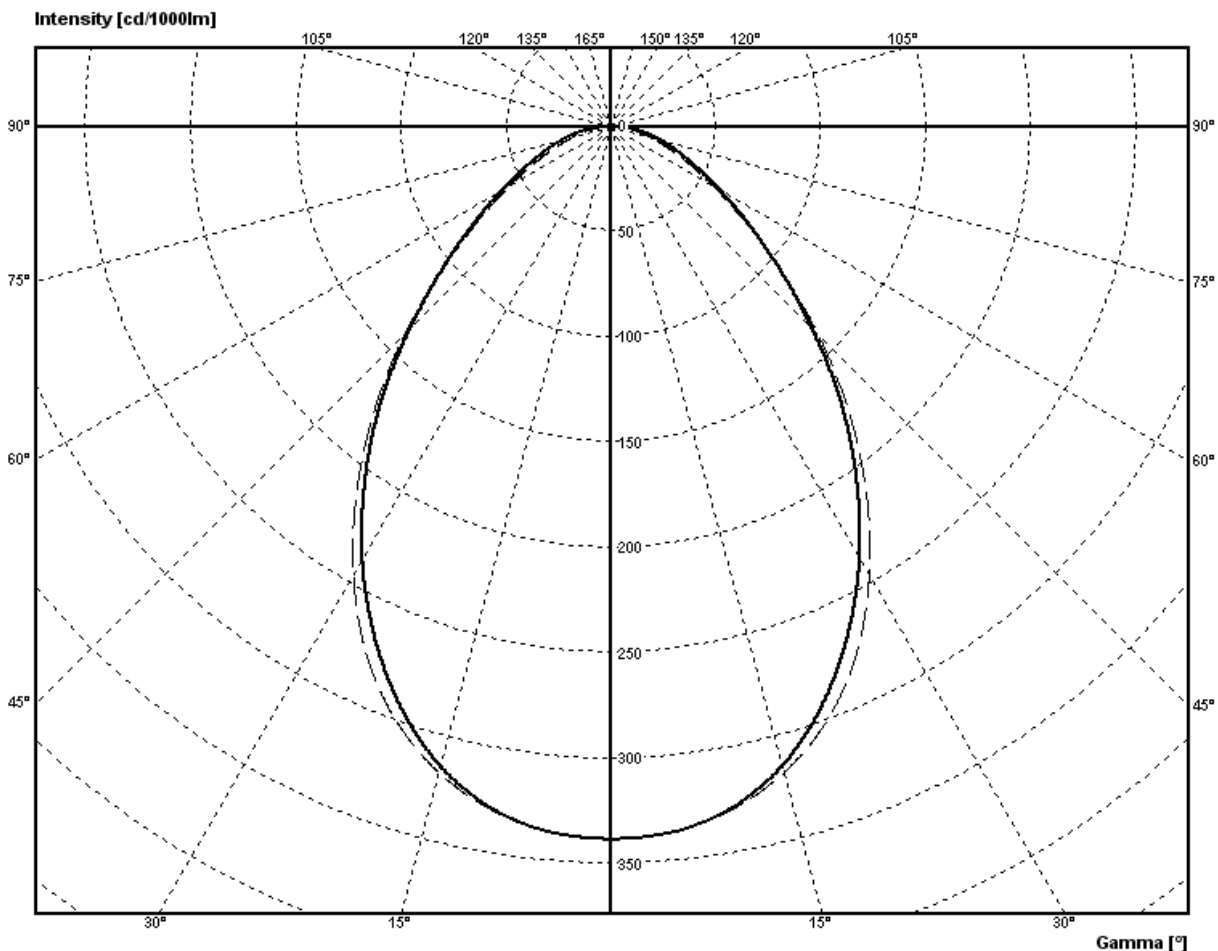
<b>C-planes:</b>	0,0°	15,0°	30,0°	45,0°	60,0°	75,0°	90,0°	105,0°	120,0°	135,0°
	150,0°	165,0°	180,0°	195,0°	210,0°	225,0°	240,0°	255,0°	270,0°	285,0°
	300,0°	315,0°	330,0°	345,0°						

<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 L1700 SRT/END+INT SYM BGLARE 830 HO		
Number:	90507-83+90498L006	Diameter:	0 mm
Report:	21-01-2020	Length:	1700 mm
Meas.-no.:	01	Width:	70 mm
Lamp type:	LED 830 - 01	Height:	114 mm
Number:	01	Power:	43,57 W
Lamp flux:	6480,00 lm	Operator:	INDEL AGUE GROUP
Date:	25-01-2020 11:20:04	Output ratio:	63,2 %

Polar diagram REBA 50 /T EXT LINE L1700 SRT/END+INT SYM BGLARE 830 HO /  
Direct in 15° C / 5° G



## PHOTOMETRIC RESULTS

<b>Name:</b>	<b>REBA 50 /T EXT LINE L1700 SRT/END+INT SYM BGLARE 830 HO</b>		
<b>Number:</b>	90507-83+90498L006	<b>Diameter:</b>	0 mm
<b>Report:</b>	21-01-2020	<b>Length:</b>	1700 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>	43,57 W
<b>Lamp flux:</b>	6480,00 lm	<b>Operator:</b>	INDEL AGUE GROUP
<b>Date:</b>	25-01-2020 11:20:04	<b>Output ratio:</b>	63,2 %

## 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>	15,8	17,2	16,1	17,5	17,8	18,0	19,5	18,4	19,8	20,1
<b>2H</b>	<b>3H</b>	16,2	17,5	16,6	17,9	18,2	18,6	19,9	19,0	20,3	20,6
<b>2H</b>	<b>4H</b>	16,4	17,6	16,8	18,0	18,3	18,9	20,1	19,3	20,5	20,8
<b>2H</b>	<b>6H</b>	16,5	17,6	16,9	18,0	18,4	19,1	20,2	19,5	20,6	21,0
<b>2H</b>	<b>8H</b>	16,5	17,6	16,9	18,0	18,4	19,1	20,2	19,5	20,6	21,0
<b>2H</b>	<b>12H</b>	16,5	17,5	16,9	17,9	18,3	19,1	20,2	19,5	20,6	21,0
<b>4H</b>	<b>2H</b>	16,1	17,3	16,5	17,7	18,0	18,1	19,3	18,5	19,6	20,0
<b>4H</b>	<b>3H</b>	16,7	17,7	17,1	18,1	18,5	18,8	19,8	19,2	20,2	20,6
<b>4H</b>	<b>4H</b>	17,0	17,9	17,4	18,3	18,7	19,1	20,0	19,6	20,4	20,9
<b>4H</b>	<b>6H</b>	17,1	17,9	17,6	18,3	18,8	19,3	20,1	19,8	20,6	21,0
<b>4H</b>	<b>8H</b>	17,1	17,9	17,6	18,3	18,8	19,4	20,2	19,9	20,6	21,1
<b>4H</b>	<b>12H</b>	17,2	17,9	17,6	18,3	18,8	19,5	20,2	20,0	20,6	21,1
<b>8H</b>	<b>4H</b>	17,0	17,8	17,5	18,2	18,7	19,1	19,8	19,6	20,3	20,7
<b>8H</b>	<b>6H</b>	17,2	17,8	17,7	18,3	18,8	19,3	20,0	19,8	20,4	20,9
<b>8H</b>	<b>8H</b>	17,3	17,9	17,9	18,4	18,9	19,5	20,0	20,0	20,5	21,0
<b>8H</b>	<b>12H</b>	17,4	17,8	17,9	18,3	18,9	19,6	20,0	20,1	20,5	21,0
<b>12H</b>	<b>4H</b>	17,0	17,7	17,5	18,1	18,6	19,1	19,8	19,5	20,2	20,7
<b>12H</b>	<b>6H</b>	17,3	17,8	17,8	18,3	18,8	19,4	19,9	19,9	20,4	20,9
<b>12H</b>	<b>8H</b>	17,3	17,8	17,9	18,3	18,8	19,5	19,9	20,0	20,4	21,0

UGR values are corrected for lamp flux of 6480 lm by 6,5

## PHOTOMETRIC RESULTS

<b>Name:</b>	<b>REBA 50 /T EXT LINE L1700 SRT/END+INT SYM BGLARE 830 HO</b>		
<b>Number:</b>	90507-83+90498L006	<b>Diameter:</b>	0 mm
<b>Report:</b>	21-01-2020	<b>Length:</b>	1700 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>	43,57 W
<b>Lamp flux:</b>	6480,00 lm	<b>Operator:</b>	INDEL AGUE GROUP
<b>Date:</b>	25-01-2020 11:20:04	<b>Output ratio:</b>	63,2 %

Luminance [cd/m<sup>2</sup>] REBA 50 /T EXT LINE L1700 SRT/END+INT SYM BGLARE 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	4596,47	4733,82	5213,46	6055,87	7343,10	9674,27	15365,9	9674,27	7343,10
50,00	3439,80	3528,94	3864,43	4527,38	5568,57	7438,92	12549,3	7438,92	5568,57
55,00	2547,07	2597,21	2863,39	3315,20	4114,60	5589,30	10144,1	5589,30	4114,60
60,00	1887,13	1901,60	2120,40	2417,15	3023,69	4191,00	8283,84	4191,00	3023,69
65,00	1392,60	1398,05	1550,06	1746,95	2204,68	3112,62	6809,73	3112,62	2204,68
70,00	1039,87	1053,72	1150,21	1276,42	1606,63	2306,03	5637,46	2306,03	1606,63
75,00	763,43	778,68	845,20	926,70	1161,63	1715,80	4812,59	1715,80	1161,63
80,00	517,56	520,77	569,34	613,37	776,98	1186,01	3992,24	1186,01	776,98
85,00	271,65	279,12	312,73	330,52	411,92	627,75	2812,43	627,75	411,92

G/C [cd/	135,00	150,00	165,00	180,00	195,00	210,00	225,00	240,00	255,00
45,00	6055,87	5213,46	4733,82	4596,47	4733,82	5213,46	6055,87	7343,10	9674,27
50,00	4527,38	3864,43	3528,94	3439,80	3528,94	3864,43	4527,38	5568,57	7438,92
55,00	3315,20	2863,39	2597,21	2547,07	2597,21	2863,39	3315,20	4114,60	5589,30
60,00	2417,15	2120,40	1901,60	1887,13	1901,60	2120,40	2417,15	3023,69	4191,00
65,00	1746,95	1550,06	1398,05	1392,60	1398,05	1550,06	1746,95	2204,68	3112,62
70,00	1276,42	1150,21	1053,72	1039,87	1053,72	1150,21	1276,42	1606,63	2306,03
75,00	926,70	845,20	778,68	763,43	778,68	845,20	926,70	1161,63	1715,80
80,00	613,37	569,34	520,77	517,56	520,77	569,34	613,37	776,98	1186,01
85,00	330,52	312,73	279,12	271,65	279,12	312,73	330,52	411,92	627,75

G/C [cd/	270,00	285,00	300,00	315,00	330,00	345,00
45,00	15365,9	9674,27	7343,10	6055,87	5213,46	4733,82
50,00	12549,3	7438,92	5568,57	4527,38	3864,43	3528,94
55,00	10144,1	5589,30	4114,60	3315,20	2863,39	2597,21
60,00	8283,84	4191,00	3023,69	2417,15	2120,40	1901,60
65,00	6809,73	3112,62	2204,68	1746,95	1550,06	1398,05
70,00	5637,46	2306,03	1606,63	1276,42	1150,21	1053,72
75,00	4812,59	1715,80	1161,63	926,70	845,20	778,68
80,00	3992,24	1186,01	776,98	613,37	569,34	520,77
85,00	2812,43	627,75	411,92	330,52	312,73	279,12

## 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