

## PHOTOMETRIC RESULTS

<b>Name:</b>	<b>REBA 50 EXT L1418+INT ASYM K3 830 HO</b>		
<b>Number:</b>	90517+90500L005	<b>Diameter:</b>	0 mm
<b>Report:</b>	23-01-2020	<b>Length:</b>	1418 mm
<b>Meas.-no.:</b>	01	<b>Width:</b>	50 mm
<b>Lamp type:</b>	LED 830 - 01	<b>Height:</b>	72 mm
<b>Number:</b>	01	<b>Power:</b>	39,92 W
<b>Lamp flux:</b>	6000,00 lm	<b>Operator:</b>	INDEL AGUE GROUP
<b>Date:</b>	23-01-2020 14:54:30	<b>Output ratio:</b>	58,5 %

## Protocol

**LiTG-class:** A50  
**UTE-class:** 0,59 D  
**IES-class:** 59 - 87 - 97 - 100 - 59  
**TM5-class:** BZ3/2.50/BZ4

## Divergences in the plane through maximum intensity:

	Horizontal	Vertical
One half peak divergence	94,9°	52,9°
Half peak side angle (left)	-47,4°	-38,8°
Half peak side angle (right)	47,4°	14,1°
One tenth peak divergence	144,1°	133,0°
Tenth peak side angle (left)	-72,0°	-63,2°
Tenth peak side angle (right)	72,0°	69,8°

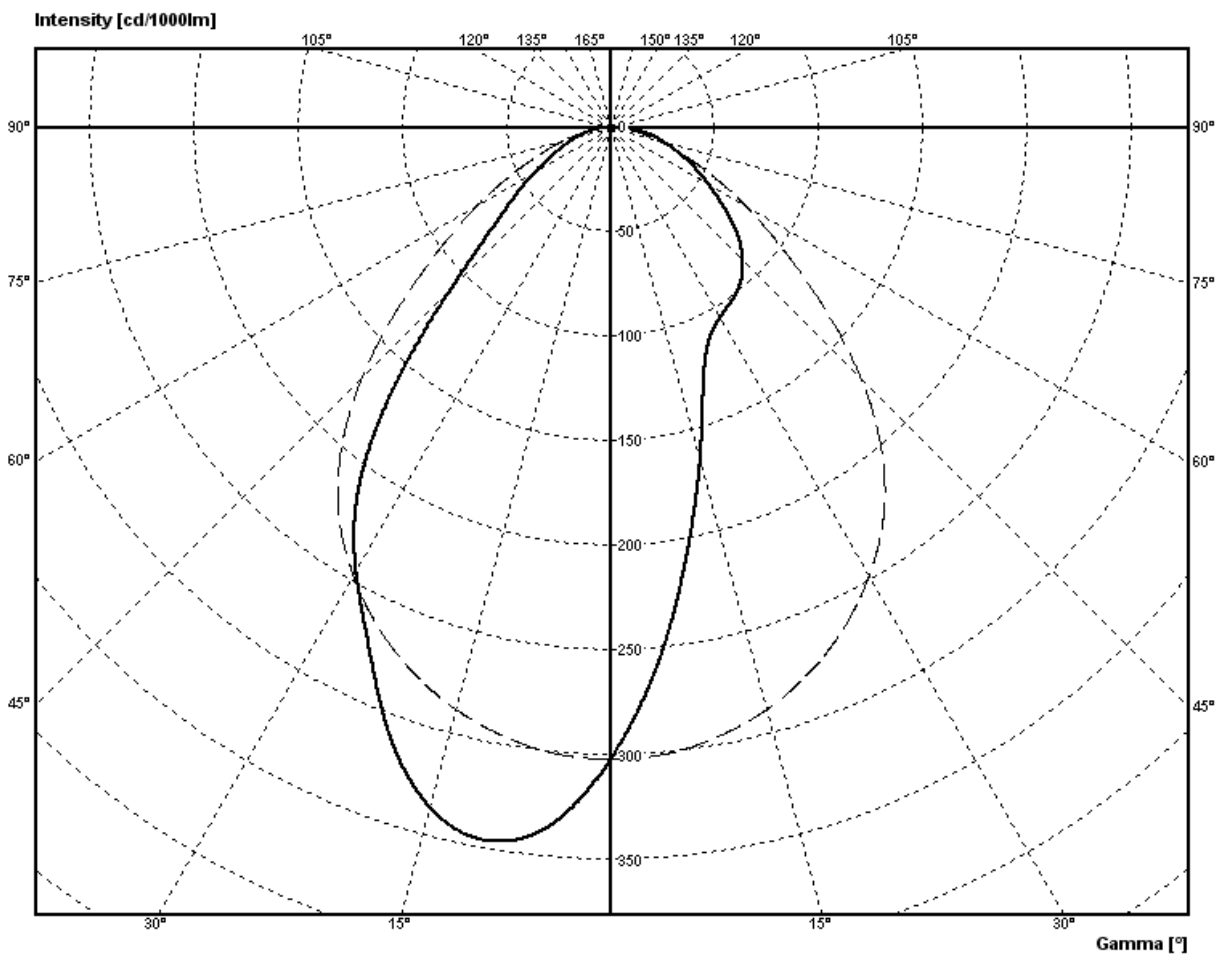
<b>C-planes:</b>	0,0°	15,0°	30,0°	45,0°	60,0°	75,0°	90,0°	105,0°	120,0°	135,0°
	150,0°	165,0°	180,0°	195,0°	210,0°	225,0°	240,0°	255,0°	270,0°	285,0°
	300,0°	315,0°	330,0°	345,0°						

<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 EXT L1418+INT ASYM K3 830 HO		
Number:	90517+90500L005	Diameter:	0 mm
Report:	23-01-2020	Length:	1418 mm
Meas.-no.:	01	Width:	50 mm
Lamp type:	LED 830 - 01	Height:	72 mm
Number:	01	Power:	39,92 W
Lamp flux:	6000,00 lm	Operator:	INDELAGUE GROUP
Date:	23-01-2020 14:54:30	Output ratio:	58,5 %

Polar diagram REBA 50 EXT L1418+INT ASYM K3 830 HO / Direct in 15° C / 5° G



## PHOTOMETRIC RESULTS

<b>Name:</b>	<b>REBA 50 EXT L1418+INT ASYM K3 830 HO</b>		
<b>Number:</b>	90517+90500L005	<b>Diameter:</b>	0 mm
<b>Report:</b>	23-01-2020	<b>Length:</b>	1418 mm
<b>Meas.-no.:</b>	01	<b>Width:</b>	50 mm
<b>Lamp type:</b>	LED 830 - 01	<b>Height:</b>	72 mm
<b>Number:</b>	01	<b>Power:</b>	39,92 W
<b>Lamp flux:</b>	6000,00 lm	<b>Operator:</b>	INDEL AGUE GROUP
<b>Date:</b>	23-01-2020 14:54:30	<b>Output ratio:</b>	58,5 %

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

UGR values are corrected for lamp flux of 6000 lm by 6,2

## PHOTOMETRIC RESULTS

<b>Name:</b>	<b>REBA 50 EXT L1418+INT ASYM K3 830 HO</b>		
<b>Number:</b>	90517+90500L005	<b>Diameter:</b>	0 mm
<b>Report:</b>	23-01-2020	<b>Length:</b>	1418 mm
<b>Meas.-no.:</b>	01	<b>Width:</b>	50 mm
<b>Lamp type:</b>	LED 830 - 01	<b>Height:</b>	72 mm
<b>Number:</b>	01	<b>Power:</b>	39,92 W
<b>Lamp flux:</b>	6000,00 lm	<b>Operator:</b>	INDEL AGUE GROUP
<b>Date:</b>	23-01-2020 14:54:30	<b>Output ratio:</b>	58,5 %

Luminance [cd/m<sup>2</sup>] REBA 50 EXT L1418+INT ASYM K3 830 HO / Direct in 15° C / 5° 

G/C [cd/	0,00	15,00	30,00	45,00	60,00	75,00	90,00	105,00	120,00
45,00	4586,42	4699,13	4930,77	5589,31	7036,79	11357,3	21118,7	17447,9	13880,9
50,00	3995,02	3935,99	4157,72	4735,40	6032,30	9233,77	18009,9	14067,2	10903,3
55,00	3309,02	3233,83	3522,32	3967,15	5100,64	7440,31	14994,0	10933,5	8121,23
60,00	2716,58	2644,35	2989,01	3313,59	4237,29	6017,13	12565,4	8241,95	5897,79
65,00	2209,90	2151,18	2435,13	2686,08	3416,88	4764,50	10295,7	6050,37	4126,32
70,00	1749,61	1732,42	1922,68	2126,90	2668,82	3730,37	8397,97	4325,17	2800,24
75,00	1369,07	1332,54	1466,72	1645,00	2037,77	2897,30	6873,93	3083,44	1962,90
80,00	1014,96	922,77	1031,51	1167,76	1442,69	2081,69	5519,83	2081,69	1316,74
85,00	642,16	491,85	565,89	632,73	782,37	1160,93	3852,69	1119,10	720,27

G/C [cd/	135,00	150,00	165,00	180,00	195,00	210,00	225,00	240,00	255,00
45,00	10999,2	8884,81	7567,64	5528,43	7567,64	8884,81	10999,2	13880,9	17447,9
50,00	8106,11	6054,87	4971,77	3716,70	4971,77	6054,87	8106,11	10903,3	14067,2
55,00	5676,99	4111,04	3470,83	2768,07	3470,83	4111,04	5676,99	8121,23	10933,5
60,00	3872,19	2972,29	2578,79	2077,72	2578,79	2972,29	3872,19	5897,79	8241,95
65,00	2678,32	2170,95	1930,71	1554,47	1930,71	2170,95	2678,32	4126,32	6050,37
70,00	1931,00	1614,91	1453,83	1160,52	1453,83	1614,91	1931,00	2800,24	4325,17
75,00	1441,45	1217,52	1099,51	880,55	1099,51	1217,52	1441,45	1962,90	3083,44
80,00	989,11	842,95	763,32	554,18	763,32	842,95	989,11	1316,74	2081,69
85,00	549,60	488,37	438,77	285,40	438,77	488,37	549,60	720,27	1119,10

G/C [cd/	270,00	285,00	300,00	315,00	330,00	345,00
45,00	21118,7	11357,3	7036,79	5589,31	4930,77	4699,13
50,00	18009,9	9233,77	6032,30	4735,40	4157,72	3935,99
55,00	14994,0	7440,31	5100,64	3967,15	3522,32	3233,83
60,00	12565,4	6017,13	4237,29	3313,59	2989,01	2644,35
65,00	10295,7	4764,50	3416,88	2686,08	2435,13	2151,18
70,00	8397,97	3730,37	2668,82	2126,90	1922,68	1732,42
75,00	6873,93	2897,30	2037,77	1645,00	1466,72	1332,54
80,00	5519,83	2081,69	1442,69	1167,76	1031,51	922,77
85,00	3852,69	1160,93	782,37	632,73	565,89	491,85

## 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