

## PHOTOMETRIC RESULTS

<b>Name:</b>	<b>REBA 50 /T EXT L1438+INT SYM BGLARE K3 830 HO</b>		
<b>Number:</b>	90519+90498L005	<b>Diameter:</b>	0 mm
<b>Report:</b>	24-01-2020	<b>Length:</b>	1438 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>	36,8 W
<b>Lamp flux:</b>	5400,00 lm	<b>Operator:</b>	INDELAGUE GROUP
<b>Date:</b>	24-01-2020 16:41:02	<b>Output ratio:</b>	64,2 %

## Protocol

**LiTG-class:** A50  
**UTE-class:** 0,64 C  
**IES-class:** 62 - 88 - 97 - 100 - 64  
**TM5-class:** BZ2/1.00/BZ3

## Divergences in the plane through maximum intensity:

	Horizontal	Vertical
One half peak divergence	80,8°	80,4°
Half peak side angle (left)	-40,4°	-40,2°
Half peak side angle (right)	40,4°	40,2°
One tenth peak divergence	135,8°	141,1°
Tenth peak side angle (left)	-67,9°	-70,6°
Tenth peak side angle (right)	67,9°	70,6°

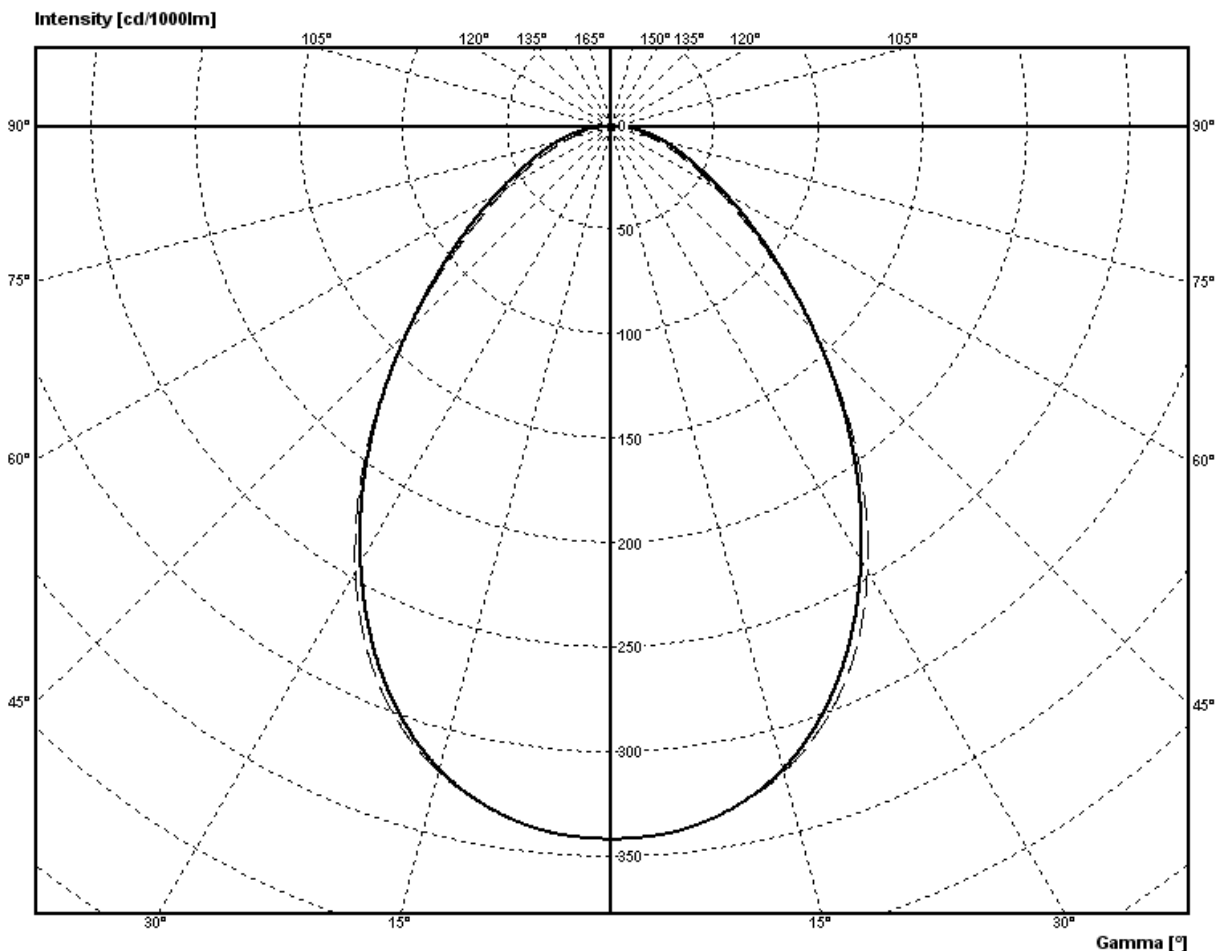
<b>C-planes:</b>	0,0°	15,0°	30,0°	45,0°	60,0°	75,0°	90,0°	105,0°	120,0°	135,0°
	150,0°	165,0°	180,0°	195,0°	210,0°	225,0°	240,0°	255,0°	270,0°	285,0°
	300,0°	315,0°	330,0°	345,0°						

<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 L1438+INT SYM BGLARE K3 830 HO		
Number:	90519+90498L005	Diameter:	0 mm
Report:	24-01-2020	Length:	1438 mm
Meas.-no.:	01	Width:	70 mm
Lamp type:	LED 830 - 01	Height:	114 mm
Number:	01	Power:	36,8 W
Lamp flux:	5400,00 lm	Operator:	INDELAGUE GROUP
Date:	24-01-2020 16:41:02	Output ratio:	64,2 %

Polar diagram REBA 50 /T EXT L1438+INT SYM BGLARE K3 830 HO / Direct in 15° C//  
5° G



## PHOTOMETRIC RESULTS

<b>Name:</b>	<b>REBA 50 /T EXT L1438+INT SYM BGLARE K3 830 HO</b>		
<b>Number:</b>	90519+90498L005	<b>Diameter:</b>	0 mm
<b>Report:</b>	24-01-2020	<b>Length:</b>	1438 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>	36,8 W
<b>Lamp flux:</b>	5400,00 lm	<b>Operator:</b>	INDEL AGUE GROUP
<b>Date:</b>	24-01-2020 16:41:02	<b>Output ratio:</b>	64,2 %

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

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

## PHOTOMETRIC RESULTS

<b>Name:</b>	<b>REBA 50 /T EXT L1438+INT SYM BGLARE K3 830 HO</b>		
<b>Number:</b>	90519+90498L005	<b>Diameter:</b>	0 mm
<b>Report:</b>	24-01-2020	<b>Length:</b>	1438 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>	36,8 W
<b>Lamp flux:</b>	5400,00 lm	<b>Operator:</b>	INDEL AGUE GROUP
<b>Date:</b>	24-01-2020 16:41:02	<b>Output ratio:</b>	64,2 %

Luminance [cd/m<sup>2</sup>] REBA 50 /T EXT L1438+INT SYM BGLARE K3 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	4688,64	4807,48	5270,63	6100,32	7344,25	9596,37	15065,2	9596,37	7344,25
50,00	3542,28	3583,81	3933,59	4593,91	5590,54	7412,49	12381,9	7412,49	5590,54
55,00	2654,15	2654,45	2915,93	3389,63	4196,92	5641,95	10100,2	5641,95	4196,92
60,00	1976,77	1956,54	2173,35	2481,23	3109,86	4279,82	8342,17	4279,82	3109,86
65,00	1469,10	1459,03	1610,53	1796,68	2274,30	3212,68	6967,04	3212,68	2274,30
70,00	1103,45	1111,39	1201,14	1316,37	1665,02	2407,59	5807,71	2407,59	1665,02
75,00	820,66	827,31	887,58	963,27	1204,63	1786,03	4902,69	1786,03	1204,63
80,00	562,64	568,11	613,97	653,92	818,00	1219,65	3987,21	1219,65	818,00
85,00	297,15	307,38	339,49	356,02	439,64	650,91	2673,81	650,91	439,64

G/C [cd/	135,00	150,00	165,00	180,00	195,00	210,00	225,00	240,00	255,00
45,00	6100,32	5270,63	4807,48	4688,64	4807,48	5270,63	6100,32	7344,25	9596,37
50,00	4593,91	3933,59	3583,81	3542,28	3583,81	3933,59	4593,91	5590,54	7412,49
55,00	3389,63	2915,93	2654,45	2654,15	2654,45	2915,93	3389,63	4196,92	5641,95
60,00	2481,23	2173,35	1956,54	1976,77	1956,54	2173,35	2481,23	3109,86	4279,82
65,00	1796,68	1610,53	1459,03	1469,10	1459,03	1610,53	1796,68	2274,30	3212,68
70,00	1316,37	1201,14	1111,39	1103,45	1111,39	1201,14	1316,37	1665,02	2407,59
75,00	963,27	887,58	827,31	820,66	827,31	887,58	963,27	1204,63	1786,03
80,00	653,92	613,97	568,11	562,64	568,11	613,97	653,92	818,00	1219,65
85,00	356,02	339,49	307,38	297,15	307,38	339,49	356,02	439,64	650,91

G/C [cd/	270,00	285,00	300,00	315,00	330,00	345,00
45,00	15065,2	9596,37	7344,25	6100,32	5270,63	4807,48
50,00	12381,9	7412,49	5590,54	4593,91	3933,59	3583,81
55,00	10100,2	5641,95	4196,92	3389,63	2915,93	2654,45
60,00	8342,17	4279,82	3109,86	2481,23	2173,35	1956,54
65,00	6967,04	3212,68	2274,30	1796,68	1610,53	1459,03
70,00	5807,71	2407,59	1665,02	1316,37	1201,14	1111,39
75,00	4902,69	1786,03	1204,63	963,27	887,58	827,31
80,00	3987,21	1219,65	818,00	653,92	613,97	568,11
85,00	2673,81	650,91	439,64	356,02	339,49	307,38

## 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