

## PHOTOMETRIC RESULTS

<b>Name:</b>	REBA 50 /E EXT L1710+INT ASYM K3 830 HO		
<b>Number:</b>	90520+90500L006	<b>Diameter:</b>	0 mm
<b>Report:</b>	23-01-2020	<b>Length:</b>	1710 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>	01	<b>Power:</b>	47,23 W
<b>Lamp flux:</b>	7200,00 lm	<b>Operator:</b>	INDEL AGUE GROUP
<b>Date:</b>	23-01-2020 11:47:00	<b>Output ratio:</b>	56,7 %

## Protocol

**LiTG-class:** A50  
**UTE-class:** 0,57 D  
**IES-class:** 60 - 87 - 97 - 100 - 57  
**TM5-class:** BZ3/4.00/BZ4

<b>Divergences in the plane through maximum intensity:</b>	Horizontal	Vertical
<b>One half peak divergence</b>	95,0°	53,7°
<b>Half peak side angle (left)</b>	-47,5°	-39,4°
<b>Half peak side angle (right)</b>	47,5°	14,3°
<b>One tenth peak divergence</b>	142,6°	130,8°
<b>Tenth peak side angle (left)</b>	-71,3°	-62,5°
<b>Tenth peak side angle (right)</b>	71,3°	68,4°

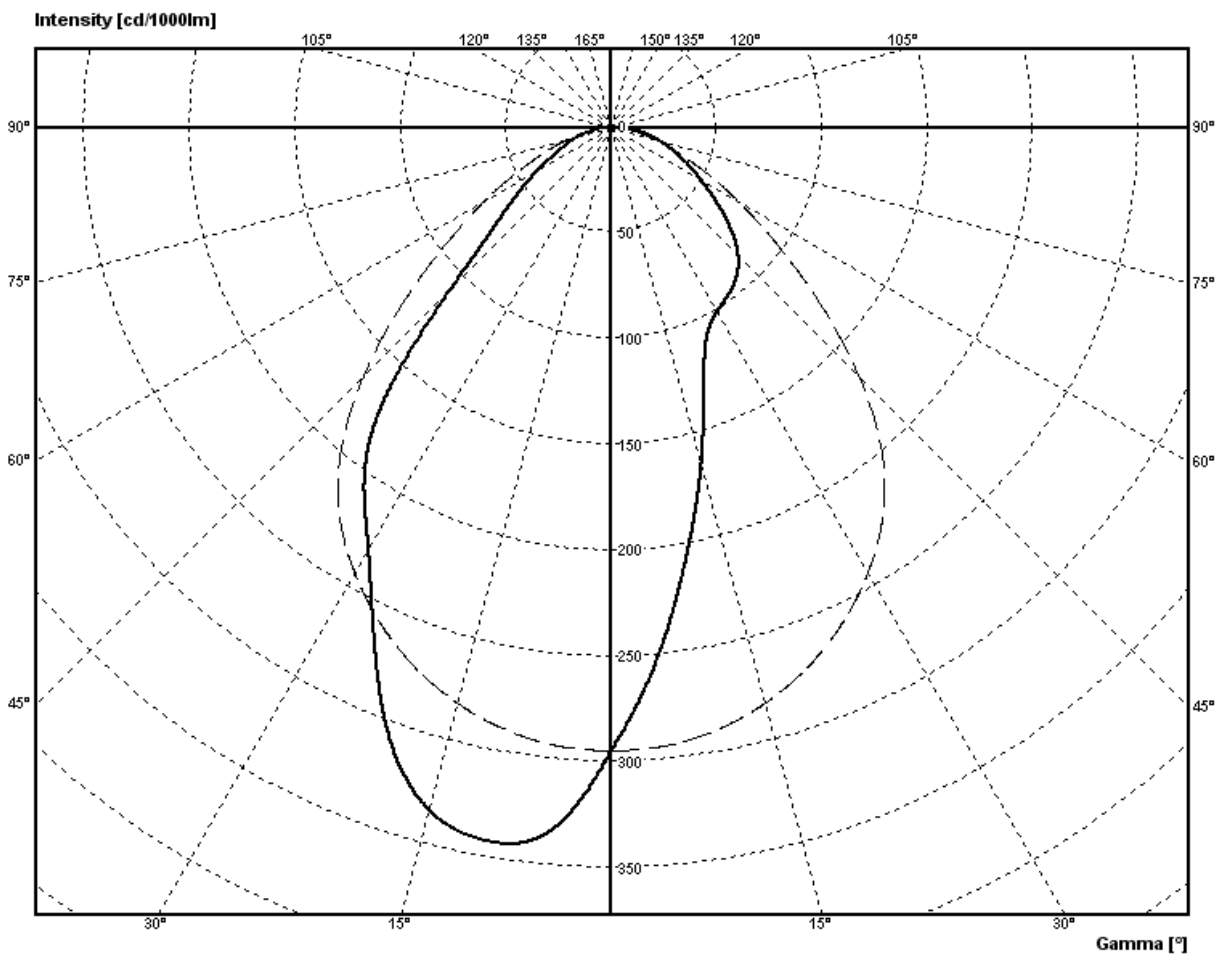
<b>C-planes:</b>	0,0°	15,0°	30,0°	45,0°	60,0°	75,0°	90,0°	105,0°	120,0°	135,0°
	150,0°	165,0°	180,0°	195,0°	210,0°	225,0°	240,0°	255,0°	270,0°	285,0°
	300,0°	315,0°	330,0°	345,0°						

<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 /E EXT L1710+INT ASYM K3 830 HO		
Number:	90520+90500L006	Diameter:	0 mm
Report:	23-01-2020	Length:	1710 mm
Meas.-no.:	01	Width:	62 mm
Lamp type:	LED 830 - 01	Height:	72 mm
Number:	01	Power:	47,23 W
Lamp flux:	7200,00 lm	Operator:	INDELAGUE GROUP
Date:	23-01-2020 11:47:00	Output ratio:	56,7 %

Polar diagram REBA 50 /E EXT L1710+INT ASYM K3 830 HO / Direct in 15° C / 5° G



## PHOTOMETRIC RESULTS

<b>Name:</b>	REBA 50 /E EXT L1710+INT ASYM K3 830 HO		
<b>Number:</b>	90520+90500L006	<b>Diameter:</b>	0 mm
<b>Report:</b>	23-01-2020	<b>Length:</b>	1710 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>	01	<b>Power:</b>	47,23 W
<b>Lamp flux:</b>	7200,00 lm	<b>Operator:</b>	INDELAGUE GROUP
<b>Date:</b>	23-01-2020 11:47:00	<b>Output ratio:</b>	56,7 %

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

UGR values are corrected for lamp flux of 7200 lm by 6,9

## PHOTOMETRIC RESULTS

<b>Name:</b>	REBA 50 /E EXT L1710+INT ASYM K3 830 HO		
<b>Number:</b>	90520+90500L006	<b>Diameter:</b>	0 mm
<b>Report:</b>	23-01-2020	<b>Length:</b>	1710 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>	01	<b>Power:</b>	47,23 W
<b>Lamp flux:</b>	7200,00 lm	<b>Operator:</b>	INDEL AGUE GROUP
<b>Date:</b>	23-01-2020 11:47:00	<b>Output ratio:</b>	56,7 %

Luminance [cd/m<sup>2</sup>] REBA 50 /E EXT L1710+INT ASYM 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	4377,47	4489,26	4723,59	5346,99	6872,25	11348,7	20889,4	17115,6	13309,9
50,00	3740,79	3704,69	3915,49	4447,37	5754,27	9022,69	17728,7	13584,5	10289,0
55,00	3060,37	3011,21	3331,26	3710,54	4772,97	7201,92	14550,1	10366,9	7536,27
60,00	2475,44	2409,77	2804,44	3080,56	3920,71	5776,91	11983,9	7763,06	5487,43
65,00	2016,07	1939,68	2252,51	2468,37	3183,59	4452,07	9669,84	5619,45	3858,52
70,00	1610,58	1569,18	1757,09	1947,61	2471,08	3456,15	7887,24	3996,95	2671,32
75,00	1246,73	1189,79	1336,68	1464,84	1871,94	2696,01	6497,13	2846,93	1871,94
80,00	913,47	808,54	938,02	1034,44	1314,08	1952,76	5404,26	1945,04	1246,45
85,00	540,66	418,73	491,77	548,40	702,65	1067,97	3877,40	1059,07	671,19

G/C [cd/	135,00	150,00	165,00	180,00	195,00	210,00	225,00	240,00	255,00
45,00	10486,7	8819,63	7656,57	5476,75	7656,57	8819,63	10486,7	13309,9	17115,6
50,00	7854,20	5891,42	4852,69	3605,46	4852,69	5891,42	7854,20	10289,0	13584,5
55,00	5438,13	3993,04	3387,94	2676,63	3387,94	3993,04	5438,13	7536,27	10366,9
60,00	3745,24	2885,85	2496,21	1981,31	2496,21	2885,85	3745,24	5487,43	7763,06
65,00	2592,44	2070,49	1849,83	1455,25	1849,83	2070,49	2592,44	3858,52	5619,45
70,00	1823,15	1530,55	1391,84	1119,55	1391,84	1530,55	1823,15	2671,32	3996,95
75,00	1349,47	1166,23	1063,10	844,56	1063,10	1166,23	1349,47	1871,94	2846,93
80,00	928,06	807,56	714,59	519,02	714,59	807,56	928,06	1246,45	1945,04
85,00	521,18	472,23	424,67	291,96	424,67	472,23	521,18	671,19	1059,07

G/C [cd/	270,00	285,00	300,00	315,00	330,00	345,00
45,00	20889,4	11348,7	6872,25	5346,99	4723,59	4489,26
50,00	17728,7	9022,69	5754,27	4447,37	3915,49	3704,69
55,00	14550,1	7201,92	4772,97	3710,54	3331,26	3011,21
60,00	11983,9	5776,91	3920,71	3080,56	2804,44	2409,77
65,00	9669,84	4452,07	3183,59	2468,37	2252,51	1939,68
70,00	7887,24	3456,15	2471,08	1947,61	1757,09	1569,18
75,00	6497,13	2696,01	1871,94	1464,84	1336,68	1189,79
80,00	5404,26	1952,76	1314,08	1034,44	938,02	808,54
85,00	3877,40	1067,97	702,65	548,40	491,77	418,73

## 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