

## PHOTOMETRIC RESULTS

Name:	REBA 50 /E EXT L1430+INT ASYM 840 HO		
Number:	90520+90500L005	Diameter:	0 mm
Report:	23-01-2020	Length:	1430 mm
Meas.-no.:	01	Width:	62 mm
Lamp type:	LED 840 - 01	Height:	72 mm
Number:	01	Power:	39,92 W
Lamp flux:	6235,00 lm	Operator:	INDEL AGUE GROUP
Date:	23-01-2020 14:02:45	Output ratio:	58,6 %

## 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	95,0°	53,2°
Half peak side angle (left)	-47,5°	-38,9°
Half peak side angle (right)	47,5°	14,2°
One tenth peak divergence	144,1°	133,2°
Tenth peak side angle (left)	-72,1°	-63,3°
Tenth peak side angle (right)	72,1°	70,0°

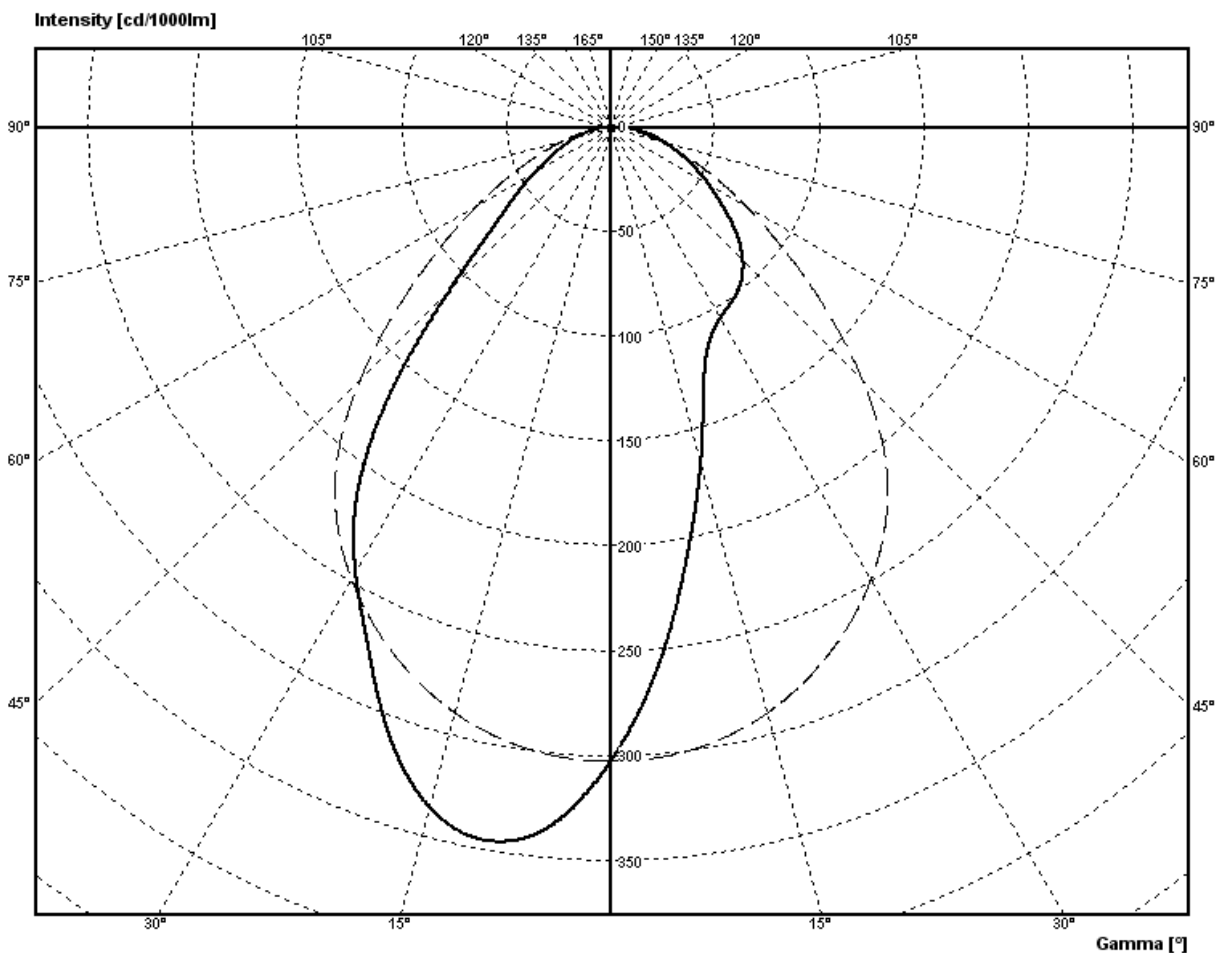
C-planes:	0,0°	15,0°	30,0°	45,0°	60,0°	75,0°	90,0°	105,0°	120,0°	135,0°
	150,0°	165,0°	180,0°	195,0°	210,0°	225,0°	240,0°	255,0°	270,0°	285,0°
	300,0°	315,0°	330,0°	345,0°						

Gamma:	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 L1430+INT ASYM 840 HO		
Number:	90520+90500L005	Diameter:	0 mm
Report:	23-01-2020	Length:	1430 mm
Meas.-no.:	01	Width:	62 mm
Lamp type:	LED 840 - 01	Height:	72 mm
Number:	01	Power:	39,92 W
Lamp flux:	6235,00 lm	Operator:	INDELAGUE GROUP
Date:	23-01-2020 14:02:45	Output ratio:	58,6 %

Polar diagram REBA 50 /E EXT L1430+INT ASYM 840 HO / Direct in 15° C / 5° G



## PHOTOMETRIC RESULTS

<b>Name:</b>	REBA 50 /E EXT L1430+INT ASYM 840 HO		
<b>Number:</b>	90520+90500L005	<b>Diameter:</b>	0 mm
<b>Report:</b>	23-01-2020	<b>Length:</b>	1430 mm
<b>Meas.-no.:</b>	01	<b>Width:</b>	62 mm
<b>Lamp type:</b>	LED 840 - 01	<b>Height:</b>	72 mm
<b>Number:</b>	01	<b>Power:</b>	39,92 W
<b>Lamp flux:</b>	6235,00 lm	<b>Operator:</b>	INDEL AGUE GROUP
<b>Date:</b>	23-01-2020 14:02:45	<b>Output ratio:</b>	58,6 %

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

UGR values are corrected for lamp flux of 6235 lm by 6,4

## PHOTOMETRIC RESULTS

<b>Name:</b>	REBA 50 /E EXT L1430+INT ASYM 840 HO		
<b>Number:</b>	90520+90500L005	<b>Diameter:</b>	0 mm
<b>Report:</b>	23-01-2020	<b>Length:</b>	1430 mm
<b>Meas.-no.:</b>	01	<b>Width:</b>	62 mm
<b>Lamp type:</b>	LED 840 - 01	<b>Height:</b>	72 mm
<b>Number:</b>	01	<b>Power:</b>	39,92 W
<b>Lamp flux:</b>	6235,00 lm	<b>Operator:</b>	INDEL AGUE GROUP
<b>Date:</b>	23-01-2020 14:02:45	<b>Output ratio:</b>	58,6 %

Luminance [cd/m<sup>2</sup>] REBA 50 /E EXT L1430+INT ASYM 840 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	4757,16	4881,35	5136,08	5806,35	7356,38	11846,6	22025,2	18204,3	14454,1
50,00	4116,79	4086,80	4326,66	4906,07	6296,82	9646,54	18815,9	14658,1	11328,9
55,00	3406,85	3351,91	3683,38	4107,66	5314,93	7809,74	15696,6	11403,6	8483,97
60,00	2814,42	2733,97	3113,37	3420,79	4428,58	6316,90	13042,1	8646,17	6207,46
65,00	2308,51	2219,11	2543,39	2779,10	3594,87	4981,41	10751,8	6343,68	4319,64
70,00	1837,98	1778,69	2011,71	2201,83	2803,55	3897,48	8758,96	4537,26	2955,37
75,00	1429,38	1359,89	1532,78	1692,97	2131,22	3023,01	7153,07	3217,52	2045,54
80,00	1052,32	943,88	1080,96	1199,88	1501,71	2166,60	5790,79	2166,60	1375,62
85,00	648,64	499,33	586,03	647,46	808,16	1204,49	3987,58	1173,07	752,21

G/C [cd/	135,00	150,00	165,00	180,00	195,00	210,00	225,00	240,00	255,00
45,00	11418,1	9287,44	7917,85	5769,82	7917,85	9287,44	11418,1	14454,1	18204,3
50,00	8497,87	6329,74	5173,68	3832,67	5173,68	6329,74	8497,87	11328,9	14658,1
55,00	5921,19	4269,53	3589,11	2854,39	3589,11	4269,53	5921,19	8483,97	11403,6
60,00	4018,19	3086,59	2674,60	2152,54	2674,60	3086,59	4018,19	6207,46	8646,17
65,00	2786,87	2258,53	2004,76	1618,27	2004,76	2258,53	2786,87	4319,64	6343,68
70,00	2013,67	1689,70	1515,89	1225,32	1515,89	1689,70	2013,67	2955,37	4537,26
75,00	1476,67	1265,43	1136,53	916,73	1136,53	1265,43	1476,67	2045,54	3217,52
80,00	1029,71	888,46	794,49	579,09	794,49	888,46	1029,71	1375,62	2166,60
85,00	578,09	516,17	460,38	298,38	460,38	516,17	578,09	752,21	1173,07

G/C [cd/	270,00	285,00	300,00	315,00	330,00	345,00
45,00	22025,2	11846,6	7356,38	5806,35	5136,08	4881,35
50,00	18815,9	9646,54	6296,82	4906,07	4326,66	4086,80
55,00	15696,6	7809,74	5314,93	4107,66	3683,38	3351,91
60,00	13042,1	6316,90	4428,58	3420,79	3113,37	2733,97
65,00	10751,8	4981,41	3594,87	2779,10	2543,39	2219,11
70,00	8758,96	3897,48	2803,55	2201,83	2011,71	1778,69
75,00	7153,07	3023,01	2131,22	1692,97	1532,78	1359,89
80,00	5790,79	2166,60	1501,71	1199,88	1080,96	943,88
85,00	3987,58	1204,49	808,16	647,46	586,03	499,33

## 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