

## PHOTOMETRIC RESULTS

<b>Name:</b>	<b>REBA 50 /E EXT LINE L1122 MID+INT SYM BLINE 840 HO</b>		
<b>Number:</b>	90506+90497L004	<b>Diameter:</b>	0 mm
<b>Report:</b>	24-01-2020	<b>Length:</b>	1122 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>	1	<b>Power:</b>	28,70 W
<b>Lamp flux:</b>	4720,00 lm	<b>Operator:</b>	INDEL AGUE GROUP
<b>Date:</b>	24-01-2020 12:31:16	<b>Output ratio:</b>	62,6 %

## Protocol

**LiTG-class:** A40  
**UTE-class:** 0,63 E  
**IES-class:** 50 - 80 - 95 - 100 - 63  
**TM5-class:** BZ5/0.75/BZ4

<b>Divergences in the plane through maximum intensity:</b>	Horizontal	Vertical
<b>One half peak divergence</b>	102,2°	100,4°
<b>Half peak side angle (left)</b>	-51,1°	-50,2°
<b>Half peak side angle (right)</b>	51,1°	50,2°
<b>One tenth peak divergence</b>	157,2°	160,5°
<b>Tenth peak side angle (left)</b>	-78,6°	-80,3°
<b>Tenth peak side angle (right)</b>	78,6°	80,3°

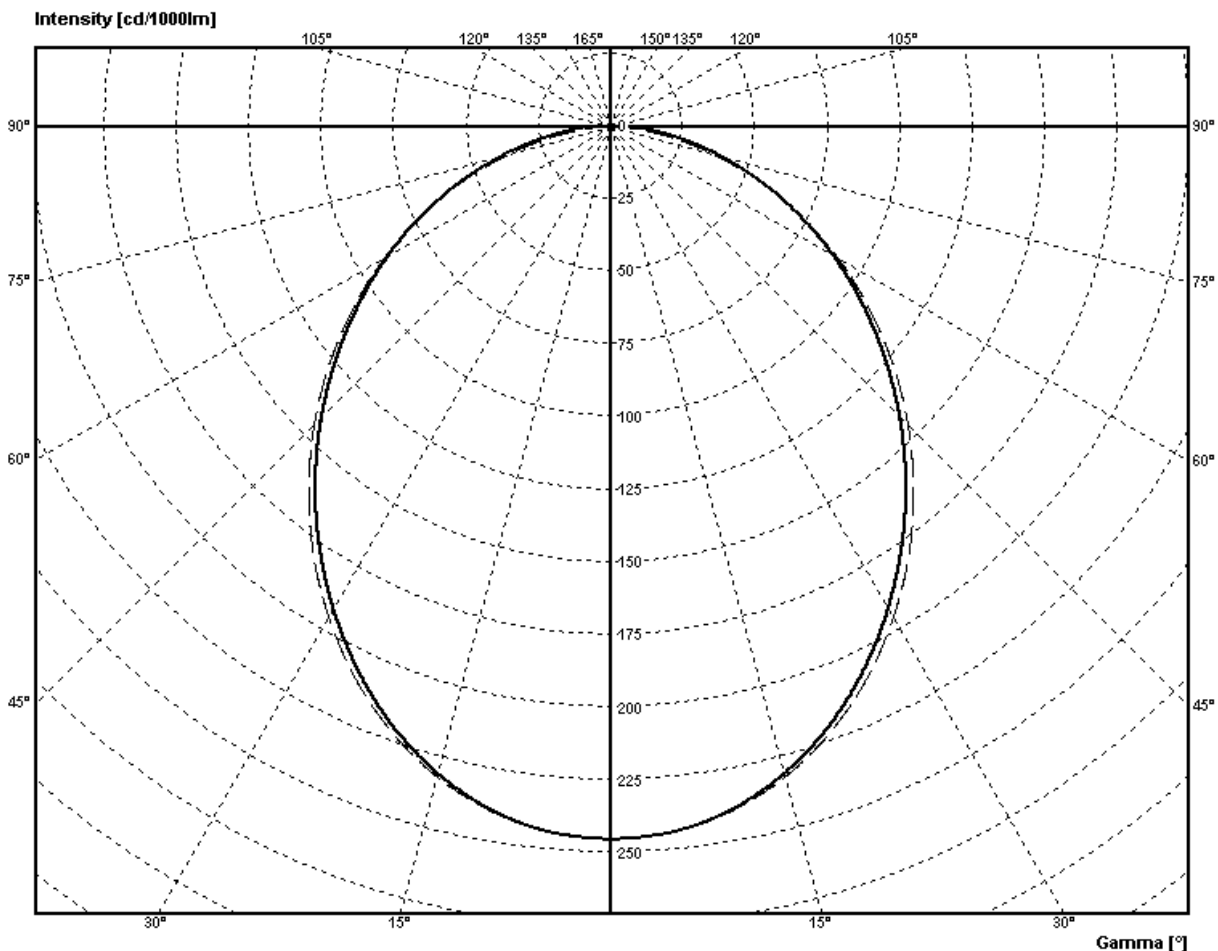
<b>C-planes:</b>	0,0°	15,0°	30,0°	45,0°	60,0°	75,0°	90,0°	105,0°	120,0°	135,0°
	150,0°	165,0°	180,0°	195,0°	210,0°	225,0°	240,0°	255,0°	270,0°	285,0°
	300,0°	315,0°	330,0°	345,0°						

<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°	

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Polar diagram REBA 50 /E EXT LINE L1122 MID+INT SYM BLINE 840 HO / Direct in 15° C / 5° G



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## 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>	18,2	19,9	18,6	20,2	20,5	20,4	22,0	20,7	22,3	22,6
<b>2H</b>	<b>3H</b>	19,2	20,7	19,6	21,0	21,4	21,7	23,2	22,1	23,5	23,9
<b>2H</b>	<b>4H</b>	19,6	21,0	20,0	21,3	21,7	22,3	23,6	22,6	24,0	24,3
<b>2H</b>	<b>6H</b>	19,8	21,1	20,2	21,5	21,8	22,6	23,9	23,0	24,3	24,6
<b>2H</b>	<b>8H</b>	19,8	21,1	20,2	21,4	21,8	22,7	23,9	23,1	24,3	24,7
<b>2H</b>	<b>12H</b>	19,8	21,0	20,3	21,4	21,8	22,7	23,9	23,1	24,3	24,7
<b>4H</b>	<b>2H</b>	18,9	20,3	19,3	20,6	21,0	20,7	22,0	21,0	22,4	22,7
<b>4H</b>	<b>3H</b>	20,0	21,2	20,4	21,6	22,0	22,1	23,3	22,5	23,7	24,1
<b>4H</b>	<b>4H</b>	20,5	21,6	20,9	22,0	22,4	22,8	23,8	23,2	24,2	24,7
<b>4H</b>	<b>6H</b>	20,8	21,7	21,2	22,1	22,6	23,1	24,1	23,6	24,5	25,0
<b>4H</b>	<b>8H</b>	20,8	21,7	21,3	22,2	22,6	23,3	24,1	23,7	24,6	25,0
<b>4H</b>	<b>12H</b>	20,9	21,7	21,4	22,1	22,6	23,3	24,1	23,8	24,6	25,1
<b>8H</b>	<b>4H</b>	20,7	21,6	21,2	22,0	22,5	22,8	23,7	23,3	24,1	24,6
<b>8H</b>	<b>6H</b>	21,0	21,8	21,5	22,2	22,7	23,2	24,0	23,7	24,4	24,9
<b>8H</b>	<b>8H</b>	21,2	21,9	21,7	22,4	22,8	23,4	24,1	24,0	24,6	25,1
<b>8H</b>	<b>12H</b>	21,3	21,8	21,8	22,3	22,8	23,5	24,1	24,0	24,6	25,1
<b>12H</b>	<b>4H</b>	20,7	21,5	21,2	22,0	22,5	22,8	23,6	23,3	24,1	24,6
<b>12H</b>	<b>6H</b>	21,1	21,8	21,6	22,3	22,7	23,3	23,9	23,8	24,4	24,9
<b>12H</b>	<b>8H</b>	21,3	21,8	21,8	22,3	22,8	23,4	24,0	24,0	24,5	25,0

UGR values are corrected for lamp flux of 4720 lm by 5,4

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Luminance [cd/m<sup>2</sup>] REBA 50 /E EXT LINE L1122 MID+INT SYM BLINE 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	7103,59	7217,40	7683,43	8586,90	10123,7	12732,7	17577,4	12732,7	10123,7
50,00	6122,28	6230,10	6659,55	7499,43	8970,90	11559,5	16730,7	11559,5	8970,90
55,00	5212,95	5308,49	5699,37	6477,15	7838,15	10364,8	15811,1	10364,8	7838,15
60,00	4371,60	4443,36	4792,26	5470,38	6712,22	9097,06	14813,4	9097,06	6712,22
65,00	3553,51	3620,47	3909,85	4489,63	5584,82	7749,92	13630,5	7749,92	5584,82
70,00	2769,41	2828,97	3050,23	3519,49	4414,73	6300,53	12204,0	6300,53	4414,73
75,00	2024,69	2061,00	2227,29	2556,12	3236,75	4710,98	10245,0	4710,98	3236,75
80,00	1339,07	1353,19	1454,30	1642,18	2078,18	3039,69	7756,35	3039,69	2078,18
85,00	738,01	739,82	785,98	845,56	1024,44	1444,07	4642,61	1444,07	1024,44

G/C [cd/	135,00	150,00	165,00	180,00	195,00	210,00	225,00	240,00	255,00
45,00	8586,90	7683,43	7217,40	7103,59	7217,40	7683,43	8586,90	10123,7	12732,7
50,00	7499,43	6659,55	6230,10	6122,28	6230,10	6659,55	7499,43	8970,90	11559,5
55,00	6477,15	5699,37	5308,49	5212,95	5308,49	5699,37	6477,15	7838,15	10364,8
60,00	5470,38	4792,26	4443,36	4371,60	4443,36	4792,26	5470,38	6712,22	9097,06
65,00	4489,63	3909,85	3620,47	3553,51	3620,47	3909,85	4489,63	5584,82	7749,92
70,00	3519,49	3050,23	2828,97	2769,41	2828,97	3050,23	3519,49	4414,73	6300,53
75,00	2556,12	2227,29	2061,00	2024,69	2061,00	2227,29	2556,12	3236,75	4710,98
80,00	1642,18	1454,30	1353,19	1339,07	1353,19	1454,30	1642,18	2078,18	3039,69
85,00	845,56	785,98	739,82	738,01	739,82	785,98	845,56	1024,44	1444,07

G/C [cd/	270,00	285,00	300,00	315,00	330,00	345,00
45,00	17577,4	12732,7	10123,7	8586,90	7683,43	7217,40
50,00	16730,7	11559,5	8970,90	7499,43	6659,55	6230,10
55,00	15811,1	10364,8	7838,15	6477,15	5699,37	5308,49
60,00	14813,4	9097,06	6712,22	5470,38	4792,26	4443,36
65,00	13630,5	7749,92	5584,82	4489,63	3909,85	3620,47
70,00	12204,0	6300,53	4414,73	3519,49	3050,23	2828,97
75,00	10245,0	4710,98	3236,75	2556,12	2227,29	2061,00
80,00	7756,35	3039,69	2078,18	1642,18	1454,30	1353,19
85,00	4642,61	1444,07	1024,44	845,56	785,98	739,82

## 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