

## PHOTOMETRIC RESULTS

<b>Name:</b>	REBA 50 /E EXT LINE L2244 MID+INT ASYM 840 HO		
<b>Number:</b>	90506+90500L008	<b>Diameter:</b>	0 mm
<b>Report:</b>	23-01-2020	<b>Length:</b>	2244 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>	64,23 W
<b>Lamp flux:</b>	9976,00 lm	<b>Operator:</b>	INDEL AGUE GROUP
<b>Date:</b>	23-01-2020 15:20:22	<b>Output ratio:</b>	56,7 %

## Protocol

**LiTG-class:** A50  
**UTE-class:** 0,57 D  
**IES-class:** 60 - 88 - 97 - 100 - 57  
**TM5-class:** BZ3

## Divergences in the plane through maximum intensity:

	Horizontal	Vertical
One half peak divergence	94,2°	54,4°
Half peak side angle (left)	-47,1°	-39,9°
Half peak side angle (right)	47,1°	14,5°
One tenth peak divergence	141,1°	130,7°
Tenth peak side angle (left)	-70,6°	-62,4°
Tenth peak side angle (right)	70,6°	68,3°

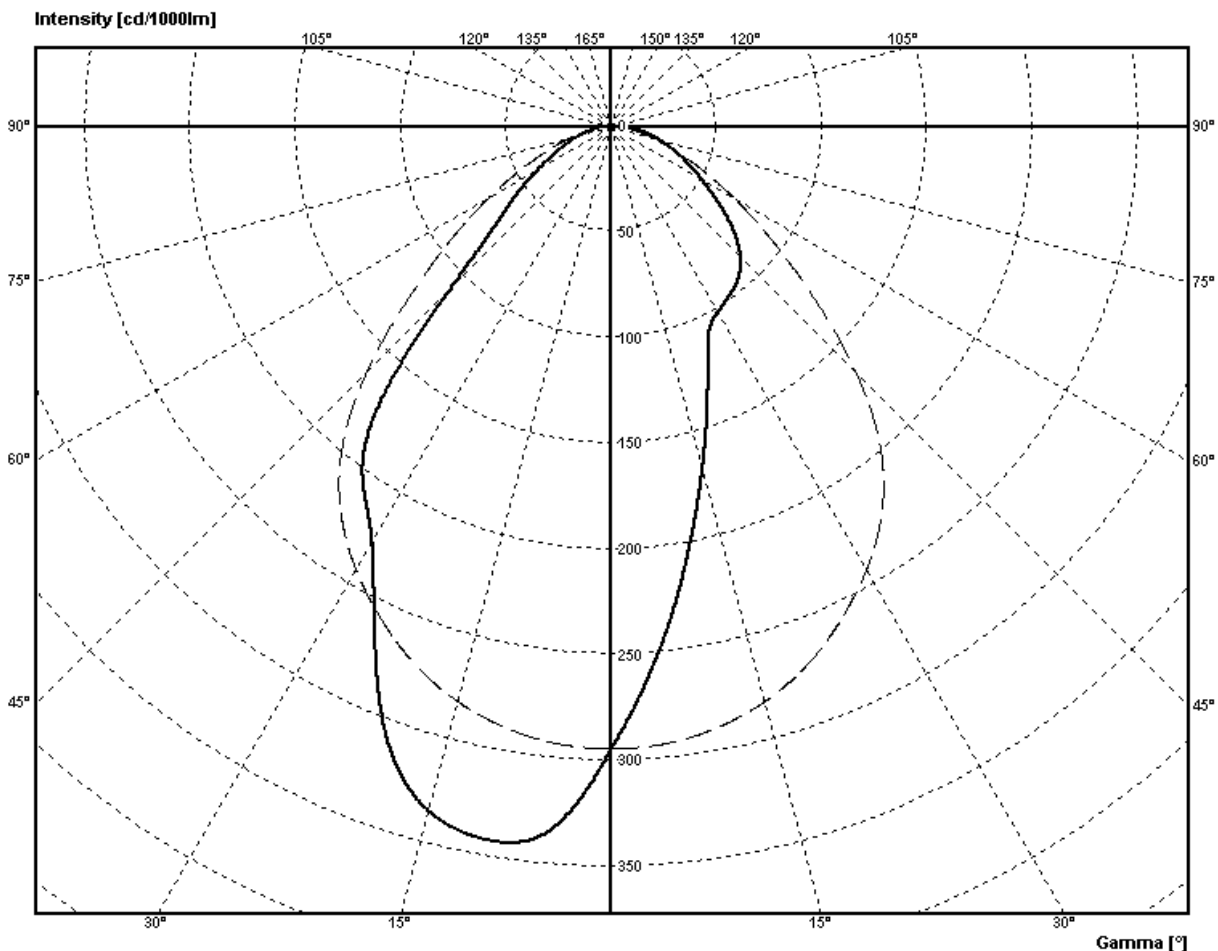
<b>C-planes:</b>	0,0°	15,0°	30,0°	45,0°	60,0°	75,0°	90,0°	105,0°	120,0°	135,0°
	150,0°	165,0°	180,0°	195,0°	210,0°	225,0°	240,0°	255,0°	270,0°	285,0°
	300,0°	315,0°	330,0°	345,0°						

<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 L2244 MID+INT ASYM 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>		<b>Viewed crosswise</b>					<b>Viewed endwise</b>				
<b>2H</b>	<b>2H</b>	16,4	17,8	16,7	18,1	18,5	20,0	21,5	20,4	21,8	22,1
<b>2H</b>	<b>3H</b>	16,9	18,2	17,3	18,5	18,9	20,7	22,0	21,1	22,4	22,7
<b>2H</b>	<b>4H</b>	17,1	18,3	17,5	18,7	19,0	21,0	22,2	21,4	22,6	22,9
<b>2H</b>	<b>6H</b>	17,2	18,3	17,6	18,7	19,1	21,2	22,3	21,6	22,7	23,1
<b>2H</b>	<b>8H</b>	17,2	18,3	17,6	18,7	19,1	21,2	22,3	21,6	22,7	23,1
<b>2H</b>	<b>12H</b>	17,2	18,2	17,6	18,6	19,0	21,2	22,3	21,6	22,7	23,1
<b>4H</b>	<b>2H</b>	16,9	18,1	17,2	18,4	18,8	20,1	21,3	20,5	21,7	22,0
<b>4H</b>	<b>3H</b>	17,5	18,5	17,9	18,9	19,3	20,8	21,9	21,2	22,3	22,7
<b>4H</b>	<b>4H</b>	17,8	18,7	18,2	19,1	19,6	21,2	22,1	21,6	22,5	23,0
<b>4H</b>	<b>6H</b>	18,0	18,8	18,4	19,2	19,7	21,4	22,2	21,9	22,7	23,1
<b>4H</b>	<b>8H</b>	18,0	18,8	18,5	19,2	19,7	21,5	22,3	22,0	22,7	23,2
<b>4H</b>	<b>12H</b>	18,0	18,7	18,5	19,2	19,7	21,6	22,3	22,0	22,7	23,2
<b>8H</b>	<b>4H</b>	17,9	18,7	18,4	19,1	19,6	21,1	21,9	21,6	22,3	22,8
<b>8H</b>	<b>6H</b>	18,1	18,8	18,6	19,3	19,8	21,4	22,0	21,9	22,5	23,0
<b>8H</b>	<b>8H</b>	18,3	18,8	18,8	19,3	19,8	21,6	22,1	22,1	22,6	23,1
<b>8H</b>	<b>12H</b>	18,3	18,8	18,9	19,3	19,8	21,6	22,1	22,1	22,6	23,1
<b>12H</b>	<b>4H</b>	17,9	18,6	18,4	19,1	19,6	21,1	21,8	21,6	22,3	22,8
<b>12H</b>	<b>6H</b>	18,2	18,8	18,7	19,3	19,8	21,4	22,0	21,9	22,5	23,0
<b>12H</b>	<b>8H</b>	18,3	18,8	18,8	19,3	19,8	21,5	22,0	22,1	22,5	23,0

UGR values are corrected for lamp flux of 9976 lm by 8,0

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Luminance [cd/m<sup>2</sup>] REBA 50 /E EXT LINE L2244 MID+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	4634,81	4780,87	4964,86	5603,92	7253,20	11949,7	21680,5	17771,0	13830,3
50,00	3970,41	3913,89	4131,99	4649,63	6012,19	9425,41	18007,7	13982,1	10587,2
55,00	3228,74	3176,29	3520,38	3882,77	4952,76	7447,35	14854,8	10630,3	7790,28
60,00	2589,04	2521,53	2971,53	3231,20	4025,24	5919,62	12168,6	7922,45	5624,72
65,00	2094,60	2045,60	2367,02	2586,00	3261,33	4558,59	9839,85	5737,24	3984,70
70,00	1670,96	1657,63	1816,42	2022,80	2506,82	3525,99	7942,32	4082,23	2738,22
75,00	1281,16	1241,41	1368,17	1514,22	1893,18	2751,57	6675,51	2918,33	1913,61
80,00	949,24	835,68	955,35	1054,08	1328,54	1997,87	5606,51	1997,87	1284,74
85,00	551,15	422,55	503,41	561,98	705,79	1100,71	4105,58	1100,71	697,86

G/C [cd/	135,00	150,00	165,00	180,00	195,00	210,00	225,00	240,00	255,00
45,00	10896,7	9357,83	8114,69	5657,42	8114,69	9357,83	10896,7	13830,3	17771,0
50,00	8306,28	6221,05	5025,38	3687,85	5025,38	6221,05	8306,28	10587,2	13982,1
55,00	5682,10	4156,64	3458,28	2754,14	3458,28	4156,64	5682,10	7790,28	10630,3
60,00	3903,36	2992,58	2560,75	2042,46	2560,75	2992,58	3903,36	5624,72	7922,45
65,00	2693,96	2166,57	1911,07	1514,78	1911,07	2166,57	2693,96	3984,70	5737,24
70,00	1891,32	1594,27	1440,37	1133,60	1440,37	1594,27	1891,32	2738,22	4082,23
75,00	1388,04	1206,68	1072,32	836,52	1072,32	1206,68	1388,04	1913,61	2918,33
80,00	960,26	829,52	716,30	513,52	716,30	829,52	960,26	1284,74	1997,87
85,00	544,42	483,86	426,99	299,89	426,99	483,86	544,42	697,86	1100,71

G/C [cd/	270,00	285,00	300,00	315,00	330,00	345,00
45,00	21680,5	11949,7	7253,20	5603,92	4964,86	4780,87
50,00	18007,7	9425,41	6012,19	4649,63	4131,99	3913,89
55,00	14854,8	7447,35	4952,76	3882,77	3520,38	3176,29
60,00	12168,6	5919,62	4025,24	3231,20	2971,53	2521,53
65,00	9839,85	4558,59	3261,33	2586,00	2367,02	2045,60
70,00	7942,32	3525,99	2506,82	2022,80	1816,42	1657,63
75,00	6675,51	2751,57	1893,18	1514,22	1368,17	1241,41
80,00	5606,51	1997,87	1328,54	1054,08	955,35	835,68
85,00	4105,58	1100,71	705,79	561,98	503,41	422,55

## 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