

## PHOTOMETRIC RESULTS

<b>Name:</b>	<b>REBA 50 /T EXT LINE L1140 SRT/END+INT ASYM K3 840 HO</b>		
<b>Number:</b>	90507-83+90500L004	<b>Diameter:</b>	0 mm
<b>Report:</b>	23-01-2020	<b>Length:</b>	1140 mm
<b>Meas.-no.:</b>	01	<b>Width:</b>	70 mm
<b>Lamp type:</b>	LED 840 - 01	<b>Height:</b>	114 mm
<b>Number:</b>	01	<b>Power:</b>	32,11 W
<b>Lamp flux:</b>	4988,00 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 /T EXT LINE L1140 SRT/END+INT ASYM K3 840 HO / Direct beam  
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>	15,3	16,7	15,6	17,1	17,4	19,3	20,8	19,7	21,1	21,4
<b>2H</b>	<b>3H</b>	15,7	17,1	16,1	17,4	17,7	20,0	21,3	20,3	21,6	22,0
<b>2H</b>	<b>4H</b>	15,9	17,2	16,3	17,5	17,9	20,2	21,4	20,6	21,8	22,1
<b>2H</b>	<b>6H</b>	16,0	17,2	16,4	17,5	17,9	20,4	21,5	20,8	21,9	22,3
<b>2H</b>	<b>8H</b>	16,0	17,1	16,4	17,5	17,9	20,4	21,5	20,8	21,9	22,3
<b>2H</b>	<b>12H</b>	16,0	17,1	16,4	17,5	17,9	20,4	21,4	20,8	21,8	22,2
<b>4H</b>	<b>2H</b>	15,7	17,0	16,1	17,3	17,7	19,3	20,6	19,7	20,9	21,3
<b>4H</b>	<b>3H</b>	16,3	17,4	16,7	17,8	18,2	20,0	21,1	20,4	21,5	21,9
<b>4H</b>	<b>4H</b>	16,6	17,5	17,1	18,0	18,4	20,4	21,3	20,8	21,7	22,1
<b>4H</b>	<b>6H</b>	16,8	17,6	17,2	18,0	18,5	20,5	21,4	21,0	21,8	22,3
<b>4H</b>	<b>8H</b>	16,8	17,6	17,3	18,0	18,5	20,6	21,4	21,1	21,8	22,3
<b>4H</b>	<b>12H</b>	16,8	17,5	17,3	18,0	18,5	20,7	21,4	21,1	21,8	22,3
<b>8H</b>	<b>4H</b>	16,7	17,5	17,2	17,9	18,4	20,3	21,1	20,8	21,5	22,0
<b>8H</b>	<b>6H</b>	16,9	17,6	17,4	18,0	18,5	20,5	21,2	21,0	21,6	22,1
<b>8H</b>	<b>8H</b>	17,1	17,6	17,6	18,1	18,6	20,7	21,2	21,2	21,7	22,2
<b>8H</b>	<b>12H</b>	17,1	17,6	17,6	18,1	18,6	20,7	21,2	21,2	21,7	22,2
<b>12H</b>	<b>4H</b>	16,7	17,4	17,2	17,9	18,4	20,3	21,0	20,8	21,4	21,9
<b>12H</b>	<b>6H</b>	17,0	17,5	17,5	18,1	18,5	20,5	21,1	21,1	21,6	22,1
<b>12H</b>	<b>8H</b>	17,1	17,6	17,6	18,1	18,6	20,6	21,1	21,2	21,6	22,1

UGR values are corrected for lamp flux of 4988 lm by 5,6

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Luminance [cd/m<sup>2</sup>] REBA 50 /T EXT LINE L1140 SRT/END+INT ASYM K3 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	3418,18	3522,89	3682,93	4225,33	5642,66	9865,11	20312,3	14670,9	10759,4
50,00	2877,63	2833,19	3008,57	3436,70	4578,05	7613,59	16676,9	11294,3	8061,82
55,00	2301,26	2260,22	2517,36	2814,16	3690,40	5877,66	13566,9	8389,79	5804,69
60,00	1815,41	1764,49	2087,40	2296,42	2933,10	4555,54	10922,6	6096,84	4098,60
65,00	1445,11	1407,83	1633,38	1801,61	2321,67	3411,40	8635,34	4293,44	2836,62
70,00	1134,18	1121,82	1230,94	1380,54	1740,84	2556,37	6756,38	2959,65	1901,54
75,00	855,21	825,80	910,00	1011,38	1279,88	1922,80	5419,75	2039,33	1293,69
80,00	622,75	546,03	623,07	688,01	871,93	1335,91	4204,16	1335,91	843,18
85,00	355,02	270,90	321,51	357,74	447,98	696,84	2596,19	696,84	442,94

G/C [cd/	135,00	150,00	165,00	180,00	195,00	210,00	225,00	240,00	255,00
45,00	8216,11	6941,63	5979,49	4172,34	5979,49	6941,63	8216,11	10759,4	14670,9
50,00	6139,45	4529,65	3637,79	2672,83	3637,79	4529,65	6139,45	8061,82	11294,3
55,00	4118,28	2972,34	2460,88	1962,99	2460,88	2972,34	4118,28	5804,69	8389,79
60,00	2774,12	2102,18	1791,94	1432,16	1791,94	2102,18	2774,12	4098,60	6096,84
65,00	1876,82	1495,06	1315,24	1045,08	1315,24	1495,06	1876,82	2836,62	4293,44
70,00	1290,81	1080,40	974,78	769,44	974,78	1080,40	1290,81	1901,54	2959,65
75,00	927,09	802,59	713,32	558,40	713,32	802,59	927,09	1293,69	2039,33
80,00	626,77	541,01	468,03	336,90	468,03	541,01	626,77	843,18	1335,91
85,00	346,56	309,02	273,76	193,17	273,76	309,02	346,56	442,94	696,84

G/C [cd/	270,00	285,00	300,00	315,00	330,00	345,00
45,00	20312,3	9865,11	5642,66	4225,33	3682,93	3522,89
50,00	16676,9	7613,59	4578,05	3436,70	3008,57	2833,19
55,00	13566,9	5877,66	3690,40	2814,16	2517,36	2260,22
60,00	10922,6	4555,54	2933,10	2296,42	2087,40	1764,49
65,00	8635,34	3411,40	2321,67	1801,61	1633,38	1407,83
70,00	6756,38	2556,37	1740,84	1380,54	1230,94	1121,82
75,00	5419,75	1922,80	1279,88	1011,38	910,00	825,80
80,00	4204,16	1335,91	871,93	688,01	623,07	546,03
85,00	2596,19	696,84	447,98	357,74	321,51	270,90

## 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