

## PHOTOMETRIC RESULTS

<b>Name:</b>	<b>REBA 65 EXT LINE L0847 SRT/END+INT ASYM 840 HO</b>		
<b>Number:</b>	90509-83+90504L003	<b>Diameter:</b>	0 mm
<b>Report:</b>	22-01-2020	<b>Length:</b>	847 mm
<b>Meas.-no.:</b>	01	<b>Width:</b>	65 mm
<b>Lamp type:</b>	LED 840 - 01	<b>Height:</b>	82 mm
<b>Number:</b>	01	<b>Power:</b>	24,91 W
<b>Lamp flux:</b>	3741,00 lm	<b>Operator:</b>	INDEL AGUE GROUP
<b>Date:</b>	22-01-2020 15:49:34	<b>Output ratio:</b>	58,1 %

## Protocol

**LiTG-class:** A50  
**UTE-class:** 0,58 D  
**IES-class:** 60 - 87 - 97 - 100 - 58  
**TM5-class:** BZ3

<b>Divergences in the plane through maximum intensity:</b>	Horizontal	Vertical
<b>One half peak divergence</b>	96,3°	56,5°
<b>Half peak side angle (left)</b>	-48,2°	-40,1°
<b>Half peak side angle (right)</b>	48,2°	16,4°
<b>One tenth peak divergence</b>	142,1°	133,9°
<b>Tenth peak side angle (left)</b>	-71,1°	-66,2°
<b>Tenth peak side angle (right)</b>	71,1°	67,6°

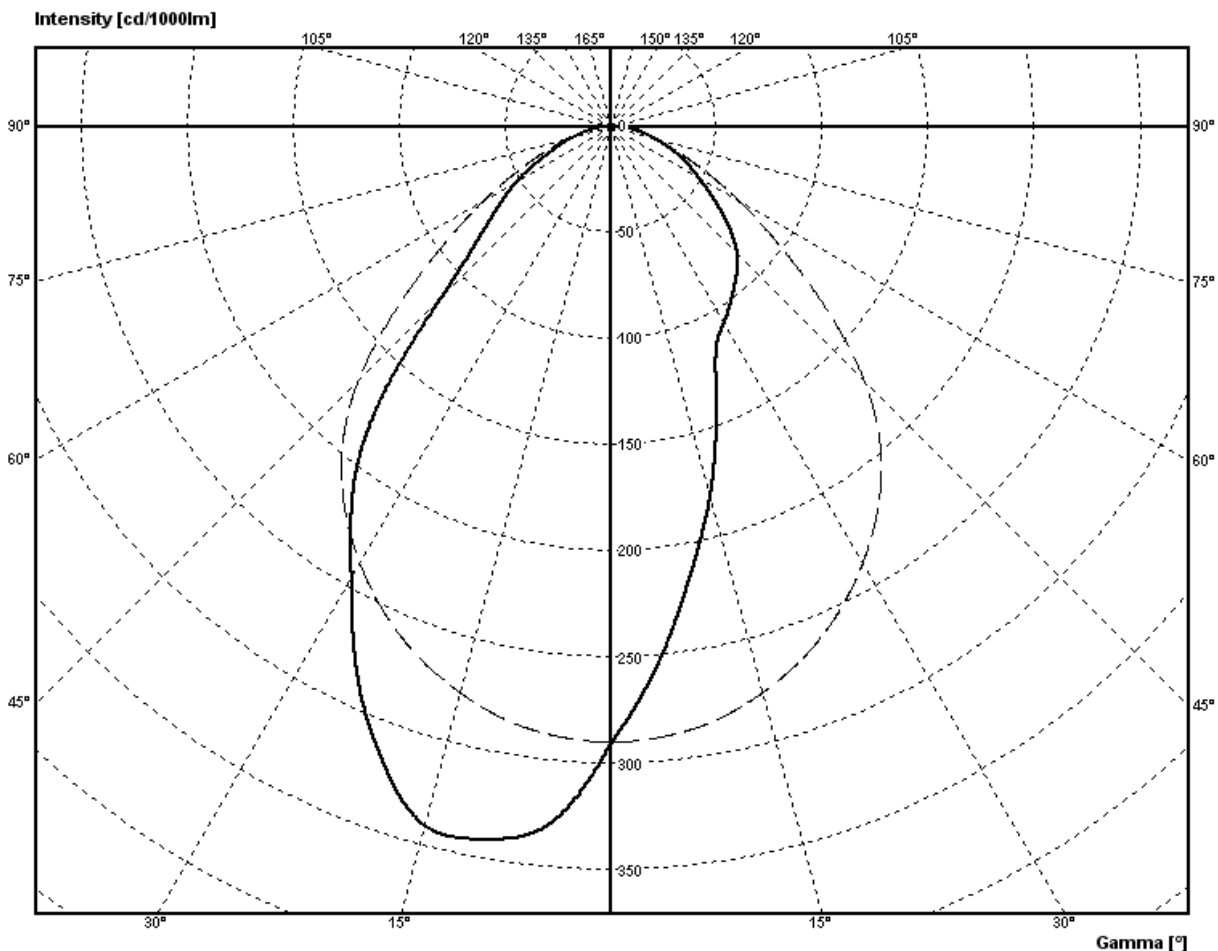
<b>C-planes:</b>	0,0°	15,0°	30,0°	45,0°	60,0°	75,0°	90,0°	105,0°	120,0°	135,0°
	150,0°	165,0°	180,0°	195,0°	210,0°	225,0°	240,0°	255,0°	270,0°	285,0°
	300,0°	315,0°	330,0°	345,0°						

<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 65 EXT LINE L0847 SRT/END+INT ASYM 840 HO		
Number:	90509-83+90504L003	Diameter:	0 mm
Report:	22-01-2020	Length:	847 mm
Meas.-no.:	01	Width:	65 mm
Lamp type:	LED 840 - 01	Height:	82 mm
Number:	01	Power:	24,91 W
Lamp flux:	3741,00 lm	Operator:	INDELAGUE GROUP
Date:	22-01-2020 15:49:34	Output ratio:	58,1 %

Polar diagram REBA 65 EXT LINE L0847 SRT/END+INT ASYM 840 HO / Direct in 15° C  
/ 5° G



## PHOTOMETRIC RESULTS

<b>Name:</b>	<b>REBA 65 EXT LINE L0847 SRT/END+INT ASYM 840 HO</b>		
<b>Number:</b>	90509-83+90504L003	<b>Diameter:</b>	0 mm
<b>Report:</b>	22-01-2020	<b>Length:</b>	847 mm
<b>Meas.-no.:</b>	01	<b>Width:</b>	65 mm
<b>Lamp type:</b>	LED 840 - 01	<b>Height:</b>	82 mm
<b>Number:</b>	01	<b>Power:</b>	24,91 W
<b>Lamp flux:</b>	3741,00 lm	<b>Operator:</b>	INDEL AGUE GROUP
<b>Date:</b>	22-01-2020 15:49:34	<b>Output ratio:</b>	58,1 %

## 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>	15,8	17,3	16,2	17,6	17,9	19,2	20,7	19,6	21,0	21,3
<b>2H</b>	<b>3H</b>	16,4	17,7	16,8	18,1	18,4	19,9	21,2	20,2	21,5	21,9
<b>2H</b>	<b>4H</b>	16,6	17,8	17,0	18,2	18,5	20,1	21,3	20,5	21,7	22,1
<b>2H</b>	<b>6H</b>	16,7	17,9	17,1	18,2	18,6	20,3	21,4	20,7	21,8	22,2
<b>2H</b>	<b>8H</b>	16,7	17,8	17,1	18,2	18,6	20,3	21,4	20,7	21,7	22,2
<b>2H</b>	<b>12H</b>	16,7	17,8	17,1	18,2	18,6	20,3	21,3	20,7	21,7	22,1
<b>4H</b>	<b>2H</b>	16,3	17,5	16,7	17,9	18,2	19,3	20,5	19,7	20,9	21,2
<b>4H</b>	<b>3H</b>	17,0	18,1	17,4	18,4	18,9	20,0	21,0	20,4	21,4	21,8
<b>4H</b>	<b>4H</b>	17,3	18,3	17,8	18,7	19,1	20,3	21,2	20,7	21,7	22,1
<b>4H</b>	<b>6H</b>	17,5	18,3	18,0	18,8	19,2	20,5	21,3	21,0	21,8	22,2
<b>4H</b>	<b>8H</b>	17,5	18,3	18,0	18,8	19,2	20,6	21,3	21,0	21,8	22,2
<b>4H</b>	<b>12H</b>	17,6	18,3	18,1	18,7	19,2	20,6	21,3	21,1	21,7	22,3
<b>8H</b>	<b>4H</b>	17,4	18,2	17,9	18,6	19,1	20,3	21,0	20,7	21,5	22,0
<b>8H</b>	<b>6H</b>	17,7	18,3	18,2	18,8	19,3	20,5	21,1	21,0	21,6	22,1
<b>8H</b>	<b>8H</b>	17,8	18,4	18,3	18,9	19,4	20,6	21,2	21,1	21,7	22,2
<b>8H</b>	<b>12H</b>	17,9	18,4	18,4	18,9	19,4	20,7	21,1	21,2	21,7	22,2
<b>12H</b>	<b>4H</b>	17,4	18,1	17,9	18,6	19,1	20,3	21,0	20,7	21,4	21,9
<b>12H</b>	<b>6H</b>	17,7	18,3	18,3	18,8	19,3	20,5	21,1	21,0	21,6	22,1
<b>12H</b>	<b>8H</b>	17,8	18,3	18,4	18,8	19,3	20,6	21,1	21,1	21,6	22,1

UGR values are corrected for lamp flux of 3741 lm by 4,6

## PHOTOMETRIC RESULTS

<b>Name:</b>	<b>REBA 65 EXT LINE L0847 SRT/END+INT ASYM 840 HO</b>		
<b>Number:</b>	90509-83+90504L003	<b>Diameter:</b>	0 mm
<b>Report:</b>	22-01-2020	<b>Length:</b>	847 mm
<b>Meas.-no.:</b>	01	<b>Width:</b>	65 mm
<b>Lamp type:</b>	LED 840 - 01	<b>Height:</b>	82 mm
<b>Number:</b>	01	<b>Power:</b>	24,91 W
<b>Lamp flux:</b>	3741,00 lm	<b>Operator:</b>	INDEL AGUE GROUP
<b>Date:</b>	22-01-2020 15:49:34	<b>Output ratio:</b>	58,1 %

Luminance [cd/m<sup>2</sup>] REBA 65 EXT LINE L0847 SRT/END+INT ASYM 840 HO / Direct im  
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	3696,87	3720,75	3886,32	4488,89	5913,58	9482,22	15805,4	13640,2	11467,9
50,00	3158,83	3052,16	3178,75	3686,38	4948,64	7623,39	13309,0	11013,1	8778,91
55,00	2578,22	2459,81	2659,33	2996,75	4048,13	5968,68	10684,6	8412,13	6547,04
60,00	2095,01	1968,71	2230,87	2519,97	3231,32	4706,47	8590,73	6229,85	4788,74
65,00	1724,25	1586,96	1797,66	2019,86	2524,48	3619,80	6727,44	4548,40	3316,97
70,00	1344,94	1287,98	1406,26	1569,16	1883,57	2700,88	5263,19	3261,62	2213,19
75,00	981,63	982,61	1050,47	1167,65	1374,29	2012,69	4182,70	2301,69	1546,07
80,00	725,32	667,35	735,64	811,99	986,89	1394,84	3174,35	1545,95	1025,44
85,00	498,28	383,42	415,81	456,05	539,15	751,45	1974,55	858,80	581,27

G/C [cd/	135,00	150,00	165,00	180,00	195,00	210,00	225,00	240,00	255,00
45,00	9196,03	7700,16	6664,54	4950,74	6664,54	7700,16	9196,03	11467,9	13640,2
50,00	6925,02	5198,72	4473,37	3519,61	4473,37	5198,72	6925,02	8778,91	11013,1
55,00	4761,61	3622,66	3315,40	2786,40	3315,40	3622,66	4761,61	6547,04	8412,13
60,00	3298,50	2770,31	2589,05	2240,05	2589,05	2770,31	3298,50	4788,74	6229,85
65,00	2340,72	2132,97	2015,40	1626,19	2015,40	2132,97	2340,72	3316,97	4548,40
70,00	1689,02	1654,99	1520,53	1186,22	1520,53	1654,99	1689,02	2213,19	3261,62
75,00	1270,17	1258,58	1084,10	835,25	1084,10	1258,58	1270,17	1546,07	2301,69
80,00	878,15	839,25	715,36	555,19	715,36	839,25	878,15	1025,44	1545,95
85,00	526,70	481,47	438,92	366,66	438,92	481,47	526,70	581,27	858,80

G/C [cd/	270,00	285,00	300,00	315,00	330,00	345,00
45,00	15805,4	9482,22	5913,58	4488,89	3886,32	3720,75
50,00	13309,0	7623,39	4948,64	3686,38	3178,75	3052,16
55,00	10684,6	5968,68	4048,13	2996,75	2659,33	2459,81
60,00	8590,73	4706,47	3231,32	2519,97	2230,87	1968,71
65,00	6727,44	3619,80	2524,48	2019,86	1797,66	1586,96
70,00	5263,19	2700,88	1883,57	1569,16	1406,26	1287,98
75,00	4182,70	2012,69	1374,29	1167,65	1050,47	982,61
80,00	3174,35	1394,84	986,89	811,99	735,64	667,35
85,00	1974,55	751,45	539,15	456,05	415,81	383,42

## 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