

## PHOTOMETRIC RESULTS

<b>Name:</b>	<b>REBA 65 EXT LINE L0562 MID+INT SYM BGLARE 840 HO</b>		
<b>Number:</b>	90509+90502L002	<b>Diameter:</b>	0 mm
<b>Report:</b>	22-01-2020	<b>Length:</b>	562 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>	14,71 W
<b>Lamp flux:</b>	2360,00 lm	<b>Operator:</b>	INDEL AGUE GROUP
<b>Date:</b>	22-01-2020 10:59:10	<b>Output ratio:</b>	66,4 %

## Protocol

**LiTG-class:** A50  
**UTE-class:** 0,66 C  
**IES-class:** 64 - 89 - 98 - 100 - 66  
**TM5-class:** BZ2/3.00/BZ3

<b>Divergences in the plane through maximum intensity:</b>	Horizontal	Vertical
<b>One half peak divergence</b>	80,5°	76,4°
<b>Half peak side angle (left)</b>	-40,3°	-38,2°
<b>Half peak side angle (right)</b>	40,3°	38,2°
<b>One tenth peak divergence</b>	131,5°	135,4°
<b>Tenth peak side angle (left)</b>	-65,7°	-67,7°
<b>Tenth peak side angle (right)</b>	65,7°	67,7°

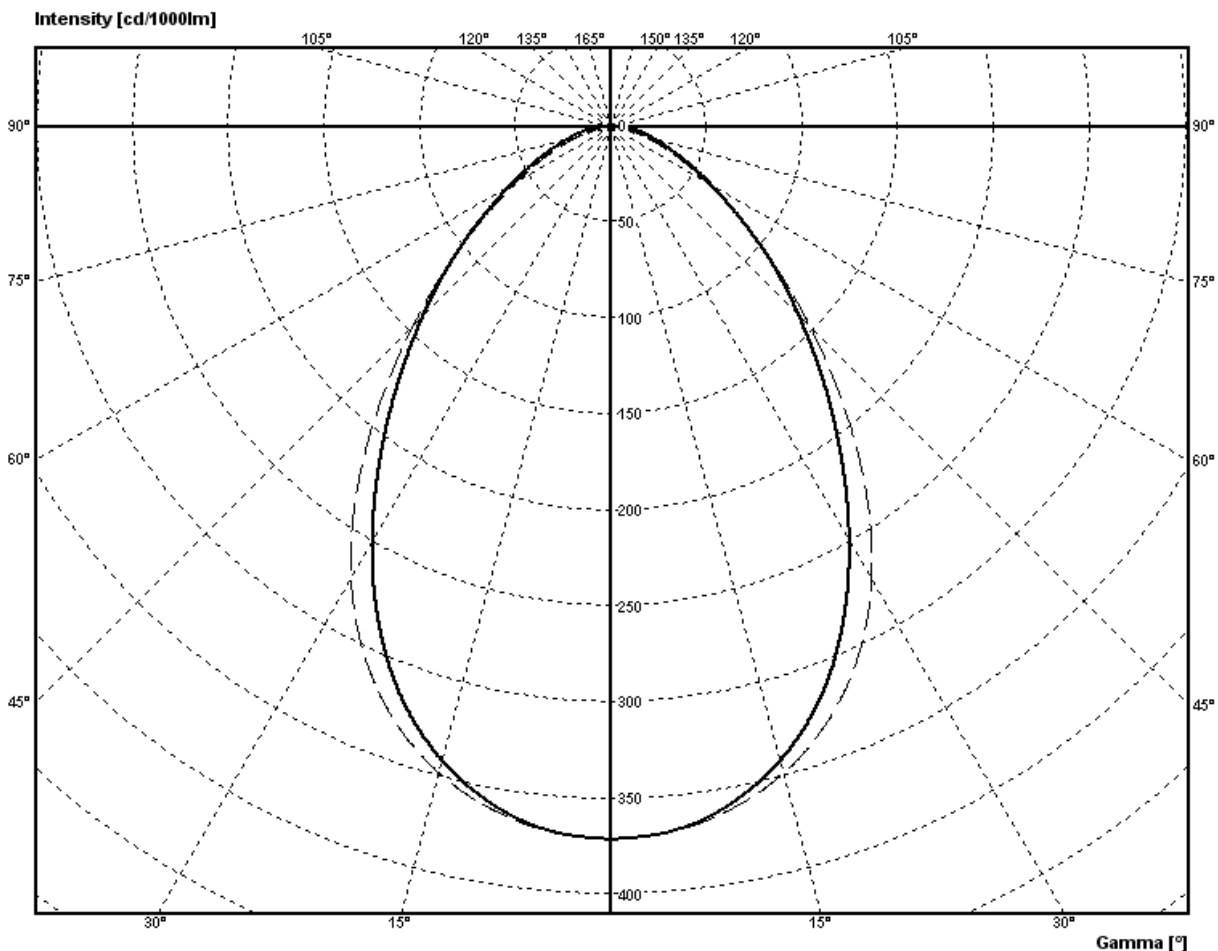
<b>C-planes:</b>	0,0°	15,0°	30,0°	45,0°	60,0°	75,0°	90,0°	105,0°	120,0°	135,0°
	150,0°	165,0°	180,0°	195,0°	210,0°	225,0°	240,0°	255,0°	270,0°	285,0°
	300,0°	315,0°	330,0°	345,0°						

<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 L0562 MID+INT SYM BGLARE 840 HO		
Number:	90509+90502L002	Diameter:	0 mm
Report:	22-01-2020	Length:	562 mm
Meas.-no.:	01	Width:	65 mm
Lamp type:	LED 840 - 01	Height:	82 mm
Number:	01	Power:	14,71 W
Lamp flux:	2360,00 lm	Operator:	INDEL AGUE GROUP
Date:	22-01-2020 10:59:10	Output ratio:	66,4 %

Polar diagram REBA 65 EXT LINE L0562 MID+INT SYM BGLARE 840 HO / Direct in 115°  
C / 5° G



## PHOTOMETRIC RESULTS

<b>Name:</b>	<b>REBA 65 EXT LINE L0562 MID+INT SYM BGLARE 840 HO</b>		
<b>Number:</b>	90509+90502L002	<b>Diameter:</b>	0 mm
<b>Report:</b>	22-01-2020	<b>Length:</b>	562 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>	14,71 W
<b>Lamp flux:</b>	2360,00 lm	<b>Operator:</b>	INDELAGUE GROUP
<b>Date:</b>	22-01-2020 10:59:10	<b>Output ratio:</b>	66,4 %

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

UGR values are corrected for lamp flux of 2360 lm by 3,0

## PHOTOMETRIC RESULTS

<b>Name:</b>	<b>REBA 65 EXT LINE L0562 MID+INT SYM BGLARE 840 HO</b>		
<b>Number:</b>	90509+90502L002	<b>Diameter:</b>	0 mm
<b>Report:</b>	22-01-2020	<b>Length:</b>	562 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>	14,71 W
<b>Lamp flux:</b>	2360,00 lm	<b>Operator:</b>	INDEL AGUE GROUP
<b>Date:</b>	22-01-2020 10:59:10	<b>Output ratio:</b>	66,4 %

Luminance [cd/m<sup>2</sup>] REBA 65 EXT LINE L0562 MID+INT SYM BGLARE 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	5738,71	5805,59	6257,32	7072,18	8185,67	9703,73	12394,4	9703,73	8185,67
50,00	4474,37	4476,35	4748,19	5398,87	6290,83	7529,35	10018,9	7529,35	6290,83
55,00	3340,91	3368,80	3533,40	3969,34	4643,03	5646,38	7875,96	5646,38	4643,03
60,00	2492,92	2496,27	2666,75	2906,15	3391,76	4193,80	6163,18	4193,80	3391,76
65,00	1848,72	1803,05	1956,01	2093,55	2464,37	3086,62	4855,71	3086,62	2464,37
70,00	1339,17	1315,10	1405,97	1455,86	1734,78	2206,08	3650,86	2206,08	1734,78
75,00	974,02	960,21	995,38	1019,37	1166,23	1511,54	2665,69	1511,54	1166,23
80,00	697,63	664,77	667,79	667,81	753,97	973,72	1932,43	973,72	753,97
85,00	422,57	407,57	392,20	375,67	415,74	524,87	1124,17	524,87	415,74

G/C [cd/	135,00	150,00	165,00	180,00	195,00	210,00	225,00	240,00	255,00
45,00	7072,18	6257,32	5805,59	5738,71	5805,59	6257,32	7072,18	8185,67	9703,73
50,00	5398,87	4748,19	4476,35	4474,37	4476,35	4748,19	5398,87	6290,83	7529,35
55,00	3969,34	3533,40	3368,80	3340,91	3368,80	3533,40	3969,34	4643,03	5646,38
60,00	2906,15	2666,75	2496,27	2492,92	2496,27	2666,75	2906,15	3391,76	4193,80
65,00	2093,55	1956,01	1803,05	1848,72	1803,05	1956,01	2093,55	2464,37	3086,62
70,00	1455,86	1405,97	1315,10	1339,17	1315,10	1405,97	1455,86	1734,78	2206,08
75,00	1019,37	995,38	960,21	974,02	960,21	995,38	1019,37	1166,23	1511,54
80,00	667,81	667,79	664,77	697,63	664,77	667,79	667,81	753,97	973,72
85,00	375,67	392,20	407,57	422,57	407,57	392,20	375,67	415,74	524,87

G/C [cd/	270,00	285,00	300,00	315,00	330,00	345,00
45,00	12394,4	9703,73	8185,67	7072,18	6257,32	5805,59
50,00	10018,9	7529,35	6290,83	5398,87	4748,19	4476,35
55,00	7875,96	5646,38	4643,03	3969,34	3533,40	3368,80
60,00	6163,18	4193,80	3391,76	2906,15	2666,75	2496,27
65,00	4855,71	3086,62	2464,37	2093,55	1956,01	1803,05
70,00	3650,86	2206,08	1734,78	1455,86	1405,97	1315,10
75,00	2665,69	1511,54	1166,23	1019,37	995,38	960,21
80,00	1932,43	973,72	753,97	667,81	667,79	664,77
85,00	1124,17	524,87	415,74	375,67	392,20	407,57

## 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