

## PHOTOMETRIC RESULTS

<b>Name:</b>	<b>REBA 65 EXT LINE L1122 MID+INT SYM BGLARE 840 HO</b>		
<b>Number:</b>	90509+90502L004	<b>Diameter:</b>	0 mm
<b>Report:</b>	21-01-2020	<b>Length:</b>	1122 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>	28,70 W
<b>Lamp flux:</b>	4720,00 lm	<b>Operator:</b>	INDEL AGUE GROUP
<b>Date:</b>	21-01-2020 17:19:32	<b>Output ratio:</b>	62,3 %

## Protocol

**LiTG-class:** A50  
**UTE-class:** 0,62 C  
**IES-class:** 64 - 89 - 97 - 100 - 62  
**TM5-class:** BZ2/2.50/BZ3

## Divergences in the plane through maximum intensity:

	Horizontal	Vertical
One half peak divergence	79,9°	74,7°
Half peak side angle (left)	-40,0°	-37,3°
Half peak side angle (right)	40,0°	37,3°
One tenth peak divergence	131,8°	136,1°
Tenth peak side angle (left)	-65,9°	-68,0°
Tenth peak side angle (right)	65,9°	68,0°

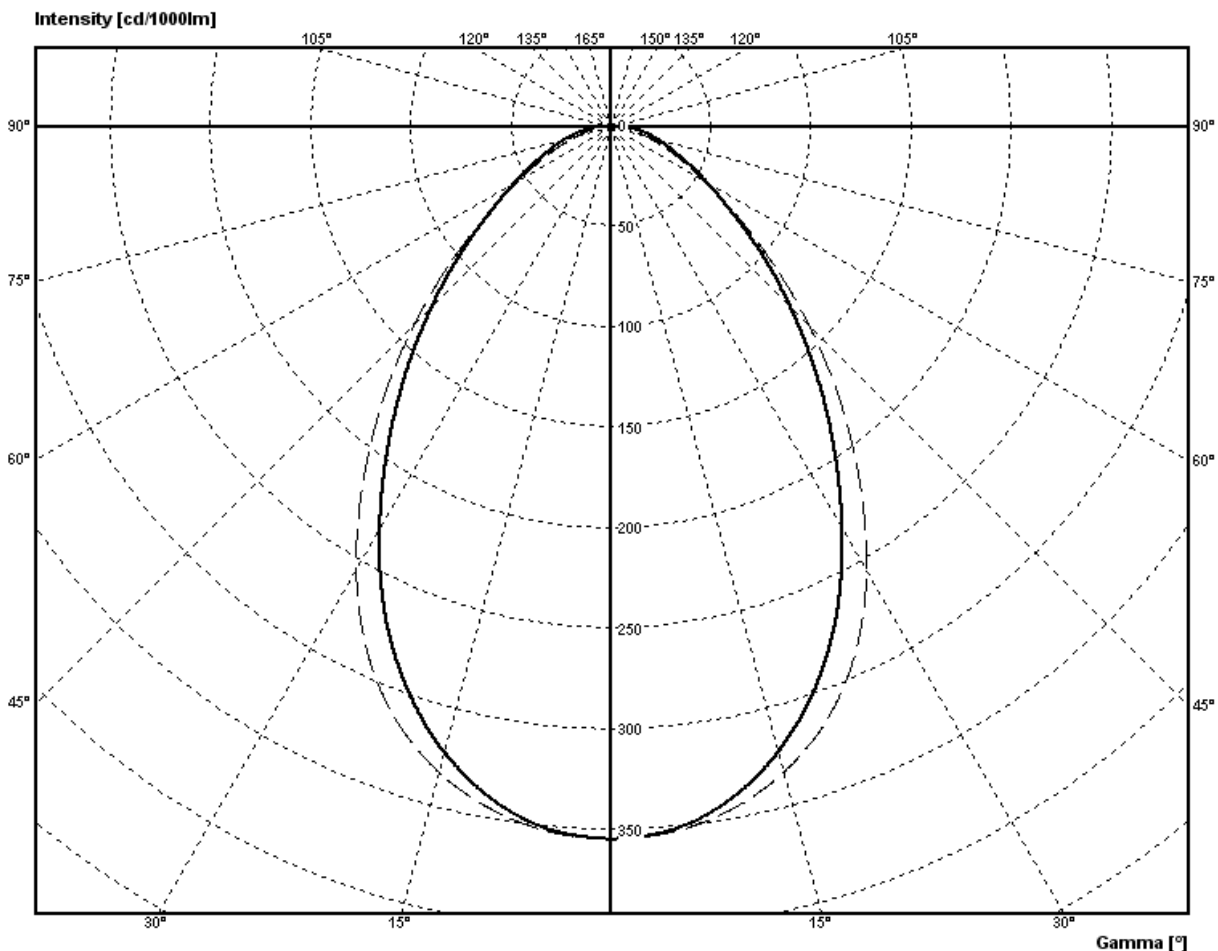
<b>C-planes:</b>	0,0°	15,0°	30,0°	45,0°	60,0°	75,0°	90,0°	105,0°	120,0°	135,0°
	150,0°	165,0°	180,0°	195,0°	210,0°	225,0°	240,0°	255,0°	270,0°	285,0°
	300,0°	315,0°	330,0°	345,0°						

<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 L1122 MID+INT SYM BGLARE 840 HO		
Number:	90509+90502L004	Diameter:	0 mm
Report:	21-01-2020	Length:	1122 mm
Meas.-no.:	01	Width:	65 mm
Lamp type:	LED 840 - 01	Height:	82 mm
Number:	01	Power:	28,70 W
Lamp flux:	4720,00 lm	Operator:	INDELAGUE GROUP
Date:	21-01-2020 17:19:32	Output ratio:	62,3 %

Polar diagram REBA 65 EXT LINE L1122 MID+INT SYM BGLARE 840 HO / Direct in 15°  
C / 5° G



## PHOTOMETRIC RESULTS

<b>Name:</b>	<b>REBA 65 EXT LINE L1122 MID+INT SYM BGLARE 840 HO</b>		
<b>Number:</b>	90509+90502L004	<b>Diameter:</b>	0 mm
<b>Report:</b>	21-01-2020	<b>Length:</b>	1122 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>	28,70 W
<b>Lamp flux:</b>	4720,00 lm	<b>Operator:</b>	INDEL AGUE GROUP
<b>Date:</b>	21-01-2020 17:19:32	<b>Output ratio:</b>	62,3 %

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

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

## PHOTOMETRIC RESULTS

<b>Name:</b>	<b>REBA 65 EXT LINE L1122 MID+INT SYM BGLARE 840 HO</b>		
<b>Number:</b>	90509+90502L004	<b>Diameter:</b>	0 mm
<b>Report:</b>	21-01-2020	<b>Length:</b>	1122 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>	28,70 W
<b>Lamp flux:</b>	4720,00 lm	<b>Operator:</b>	INDEL AGUE GROUP
<b>Date:</b>	21-01-2020 17:19:32	<b>Output ratio:</b>	62,3 %

Luminance [cd/m<sup>2</sup>] REBA 65 EXT LINE L1122 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	5251,14	5372,63	5804,55	6607,20	7775,89	9494,12	12614,5	9494,12	7775,89
50,00	4022,08	4083,05	4366,88	4970,28	5942,21	7352,92	10273,4	7352,92	5942,21
55,00	2995,36	3041,10	3295,11	3714,93	4400,69	5570,81	8151,77	5570,81	4400,69
60,00	2285,73	2279,24	2496,23	2787,93	3260,64	4232,28	6510,78	4232,28	3260,64
65,00	1744,70	1731,25	1867,28	2065,40	2411,67	3198,75	5296,86	3198,75	2411,67
70,00	1354,10	1368,36	1440,76	1531,42	1796,57	2417,02	4366,81	2417,02	1796,57
75,00	1056,53	1069,96	1095,54	1157,21	1348,58	1845,07	3593,88	1845,07	1348,58
80,00	776,15	761,36	778,26	789,48	953,60	1332,13	2973,97	1332,13	953,60
85,00	479,76	472,96	478,93	461,46	534,52	759,07	2078,57	759,07	534,52

G/C [cd/	135,00	150,00	165,00	180,00	195,00	210,00	225,00	240,00	255,00
45,00	6607,20	5804,55	5372,63	5251,14	5372,63	5804,55	6607,20	7775,89	9494,12
50,00	4970,28	4366,88	4083,05	4022,08	4083,05	4366,88	4970,28	5942,21	7352,92
55,00	3714,93	3295,11	3041,10	2995,36	3041,10	3295,11	3714,93	4400,69	5570,81
60,00	2787,93	2496,23	2279,24	2285,73	2279,24	2496,23	2787,93	3260,64	4232,28
65,00	2065,40	1867,28	1731,25	1744,70	1731,25	1867,28	2065,40	2411,67	3198,75
70,00	1531,42	1440,76	1368,36	1354,10	1368,36	1440,76	1531,42	1796,57	2417,02
75,00	1157,21	1095,54	1069,96	1056,53	1069,96	1095,54	1157,21	1348,58	1845,07
80,00	789,48	778,26	761,36	776,15	761,36	778,26	789,48	953,60	1332,13
85,00	461,46	478,93	472,96	479,76	472,96	478,93	461,46	534,52	759,07

G/C [cd/	270,00	285,00	300,00	315,00	330,00	345,00
45,00	12614,5	9494,12	7775,89	6607,20	5804,55	5372,63
50,00	10273,4	7352,92	5942,21	4970,28	4366,88	4083,05
55,00	8151,77	5570,81	4400,69	3714,93	3295,11	3041,10
60,00	6510,78	4232,28	3260,64	2787,93	2496,23	2279,24
65,00	5296,86	3198,75	2411,67	2065,40	1867,28	1731,25
70,00	4366,81	2417,02	1796,57	1531,42	1440,76	1368,36
75,00	3593,88	1845,07	1348,58	1157,21	1095,54	1069,96
80,00	2973,97	1332,13	953,60	789,48	778,26	761,36
85,00	2078,57	759,07	534,52	461,46	478,93	472,96

## 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