

## PHOTOMETRIC RESULTS

Name:	REBA 50 /T EXT LINE L2822 SRT/END+INT SYM BFLEX K3 840 HO		
Number:	90507-83+90499L010	Diameter:	0 mm
Report:	24-01-2020	Length:	2822 mm
Meas.-no.:	01	Width:	70 mm
Lamp type:	LED 840 - 01	Height:	114 mm
Number:	01	Power:	73,6 W
Lamp flux:	11800,00 lm	Operator:	INDEL AGUE GROUP
Date:	24-01-2020 15:44:31	Output ratio:	63,8 %

## Protocol

LiTG-class: A40  
UTE-class: 0,64 E  
IES-class: 46 - 76 - 93 - 100 - 64  
TM5-class: BZ4/0.75/BZ5

## Divergences in the plane through maximum intensity:

	Horizontal	Vertical
One half peak divergence	109,5°	113,4°
Half peak side angle (left)	-54,7°	-56,7°
Half peak side angle (right)	54,7°	56,7°
One tenth peak divergence	163,3°	175,4°
Tenth peak side angle (left)	-81,7°	-87,7°
Tenth peak side angle (right)	81,7°	87,7°

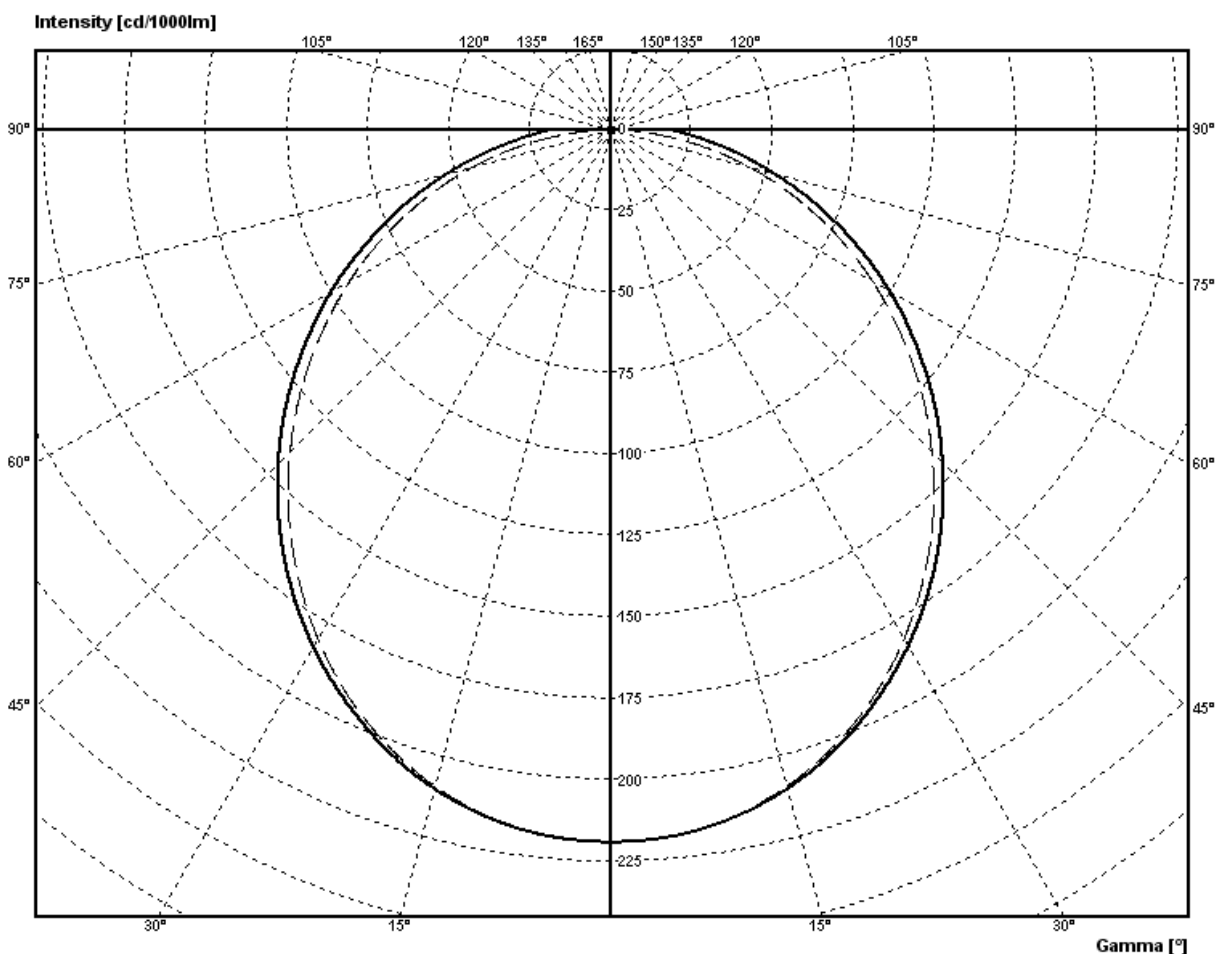
C-planes:	0,0°	15,0°	30,0°	45,0°	60,0°	75,0°	90,0°	105,0°	120,0°	135,0°
	150,0°	165,0°	180,0°	195,0°	210,0°	225,0°	240,0°	255,0°	270,0°	285,0°
	300,0°	315,0°	330,0°	345,0°						

Gamma:	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 50 /T EXT LINE L2822 SRT/END+INT SYM BFLEX K3 840 HO		
Number:	90507-83+90499L010	Diameter:	0 mm
Report:	24-01-2020	Length:	2822 mm
Meas.-no.:	01	Width:	70 mm
Lamp type:	LED 840 - 01	Height:	114 mm
Number:	01	Power:	73,6 W
Lamp flux:	11800,00 lm	Operator:	INDELAGUE GROUP
Date:	24-01-2020 15:44:31	Output ratio:	63,8 %

Polar diagram REBA 50 /T EXT LINE L2822 SRT/END+INT SYM BFLEX K3 840 HO /  
Direct in 15° C / 5° G



## PHOTOMETRIC RESULTS

<b>Name:</b>	REBA 50 /T EXT LINE L2822 SRT/END+INT SYM BFLEX K3 840 HO		
<b>Number:</b>	90507-83+90499L010	<b>Diameter:</b>	0 mm
<b>Report:</b>	24-01-2020	<b>Length:</b>	2822 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>	73,6 W
<b>Lamp flux:</b>	11800,00 lm	<b>Operator:</b>	INDELAGUE GROUP
<b>Date:</b>	24-01-2020 15:44:31	<b>Output ratio:</b>	63,8 %

## 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>	17,4	19,1	17,8	19,4	19,7	19,8	21,5	20,1	21,8	22,1
<b>2H</b>	<b>3H</b>	18,6	20,1	19,0	20,5	20,8	21,4	22,9	21,8	23,3	23,6
<b>2H</b>	<b>4H</b>	19,1	20,5	19,5	20,9	21,2	22,1	23,5	22,5	23,9	24,2
<b>2H</b>	<b>6H</b>	19,4	20,8	19,8	21,1	21,5	22,6	24,0	23,0	24,3	24,7
<b>2H</b>	<b>8H</b>	19,5	20,8	19,9	21,2	21,6	22,8	24,1	23,2	24,4	24,8
<b>2H</b>	<b>12H</b>	19,6	20,9	20,0	21,2	21,6	22,8	24,1	23,3	24,5	24,9
<b>4H</b>	<b>2H</b>	18,2	19,6	18,5	19,9	20,3	20,1	21,5	20,5	21,9	22,2
<b>4H</b>	<b>3H</b>	19,5	20,7	19,9	21,1	21,5	21,8	23,0	22,2	23,4	23,8
<b>4H</b>	<b>4H</b>	20,1	21,2	20,5	21,6	22,0	22,6	23,7	23,0	24,1	24,5
<b>4H</b>	<b>6H</b>	20,5	21,5	20,9	21,9	22,4	23,2	24,1	23,6	24,6	25,0
<b>4H</b>	<b>8H</b>	20,7	21,6	21,1	22,0	22,5	23,4	24,3	23,8	24,7	25,2
<b>4H</b>	<b>12H</b>	20,8	21,7	21,3	22,1	22,6	23,5	24,4	24,0	24,8	25,3
<b>8H</b>	<b>4H</b>	20,3	21,3	20,8	21,7	22,2	22,6	23,6	23,1	24,0	24,5
<b>8H</b>	<b>6H</b>	20,9	21,7	21,3	22,1	22,6	23,3	24,1	23,8	24,5	25,0
<b>8H</b>	<b>8H</b>	21,2	21,8	21,7	22,3	22,8	23,6	24,3	24,1	24,8	25,3
<b>8H</b>	<b>12H</b>	21,4	22,0	21,9	22,5	23,0	23,8	24,3	24,3	24,9	25,4
<b>12H</b>	<b>4H</b>	20,4	21,2	20,8	21,7	22,2	22,7	23,5	23,1	24,0	24,4
<b>12H</b>	<b>6H</b>	21,0	21,7	21,5	22,2	22,7	23,3	24,0	23,9	24,5	25,0
<b>12H</b>	<b>8H</b>	21,2	21,8	21,8	22,3	22,8	23,6	24,2	24,1	24,7	25,2

UGR values are corrected for lamp flux of 11800 lm by 8,6

## PHOTOMETRIC RESULTS

<b>Name:</b>	<b>REBA 50 /T EXT LINE L2822 SRT/END+INT SYM BFLEX K3 840 HO</b>		
<b>Number:</b>	90507-83+90499L010	<b>Diameter:</b>	0 mm
<b>Report:</b>	24-01-2020	<b>Length:</b>	2822 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>	73,6 W
<b>Lamp flux:</b>	11800,00 lm	<b>Operator:</b>	INDEL AGUE GROUP
<b>Date:</b>	24-01-2020 15:44:31	<b>Output ratio:</b>	63,8 %

Luminance [cd/m<sup>2</sup>] REBA 50 /T EXT LINE L2822 SRT/END+INT SYM BFLEX 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	5382,02	5487,04	5866,77	6619,06	8031,32	10784,2	17372,6	10784,2	8031,32
50,00	4683,59	4779,79	5113,29	5803,05	7117,26	9821,23	16920,3	9821,23	7117,26
55,00	4031,97	4117,52	4418,21	5038,76	6246,12	8824,95	16382,6	8824,95	6246,12
60,00	3434,37	3498,73	3762,21	4310,14	5394,56	7842,34	15867,0	7842,34	5394,56
65,00	2855,24	2916,20	3135,06	3601,49	4549,63	6753,37	15233,4	6753,37	4549,63
70,00	2315,15	2356,05	2533,40	2915,12	3713,69	5648,22	14439,4	5648,22	3713,69
75,00	1799,60	1827,11	1957,16	2239,46	2859,48	4431,76	13391,6	4431,76	2859,48
80,00	1337,85	1352,37	1430,58	1589,29	1995,35	3107,36	11669,4	3107,36	1995,35
85,00	942,18	941,34	967,68	1022,53	1180,70	1683,85	8090,10	1683,85	1180,70

G/C [cd/	135,00	150,00	165,00	180,00	195,00	210,00	225,00	240,00	255,00
45,00	6619,06	5866,77	5487,04	5382,02	5487,04	5866,77	6619,06	8031,32	10784,2
50,00	5803,05	5113,29	4779,79	4683,59	4779,79	5113,29	5803,05	7117,26	9821,23
55,00	5038,76	4418,21	4117,52	4031,97	4117,52	4418,21	5038,76	6246,12	8824,95
60,00	4310,14	3762,21	3498,73	3434,37	3498,73	3762,21	4310,14	5394,56	7842,34
65,00	3601,49	3135,06	2916,20	2855,24	2916,20	3135,06	3601,49	4549,63	6753,37
70,00	2915,12	2533,40	2356,05	2315,15	2356,05	2533,40	2915,12	3713,69	5648,22
75,00	2239,46	1957,16	1827,11	1799,60	1827,11	1957,16	2239,46	2859,48	4431,76
80,00	1589,29	1430,58	1352,37	1337,85	1352,37	1430,58	1589,29	1995,35	3107,36
85,00	1022,53	967,68	941,34	942,18	941,34	967,68	1022,53	1180,70	1683,85

G/C [cd/	270,00	285,00	300,00	315,00	330,00	345,00
45,00	17372,6	10784,2	8031,32	6619,06	5866,77	5487,04
50,00	16920,3	9821,23	7117,26	5803,05	5113,29	4779,79
55,00	16382,6	8824,95	6246,12	5038,76	4418,21	4117,52
60,00	15867,0	7842,34	5394,56	4310,14	3762,21	3498,73
65,00	15233,4	6753,37	4549,63	3601,49	3135,06	2916,20
70,00	14439,4	5648,22	3713,69	2915,12	2533,40	2356,05
75,00	13391,6	4431,76	2859,48	2239,46	1957,16	1827,11
80,00	11669,4	3107,36	1995,35	1589,29	1430,58	1352,37
85,00	8090,10	1683,85	1180,70	1022,53	967,68	941,34

## 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