

## PHOTOMETRIC RESULTS

Name:	REBA 50 /E EXT LINE L1127 SRT/END+INT SYM BLINE 830 HO		
Number:	90506-83+90497L004	Diameter:	0 mm
Report:	24-01-2020	Length:	1127 mm
Meas.-no.:	01	Width:	62 mm
Lamp type:	LED 830 - 01	Height:	72 mm
Number:	1	Power:	28,70 W
Lamp flux:	4320,00 lm	Operator:	INDEL AGUE GROUP
Date:	24-01-2020 14:27:36	Output ratio:	63,1 %

## Protocol

LiTG-class: A40  
UTE-class: 0,63 E  
IES-class: 50 - 80 - 95 - 100 - 63  
TM5-class: BZ5/0.75/BZ4

Divergences in the plane through maximum intensity:	Horizontal	Vertical
One half peak divergence	102,1°	100,2°
Half peak side angle (left)	-51,0°	-50,1°
Half peak side angle (right)	51,0°	50,1°
One tenth peak divergence	157,2°	160,5°
Tenth peak side angle (left)	-78,6°	-80,3°
Tenth peak side angle (right)	78,6°	80,3°

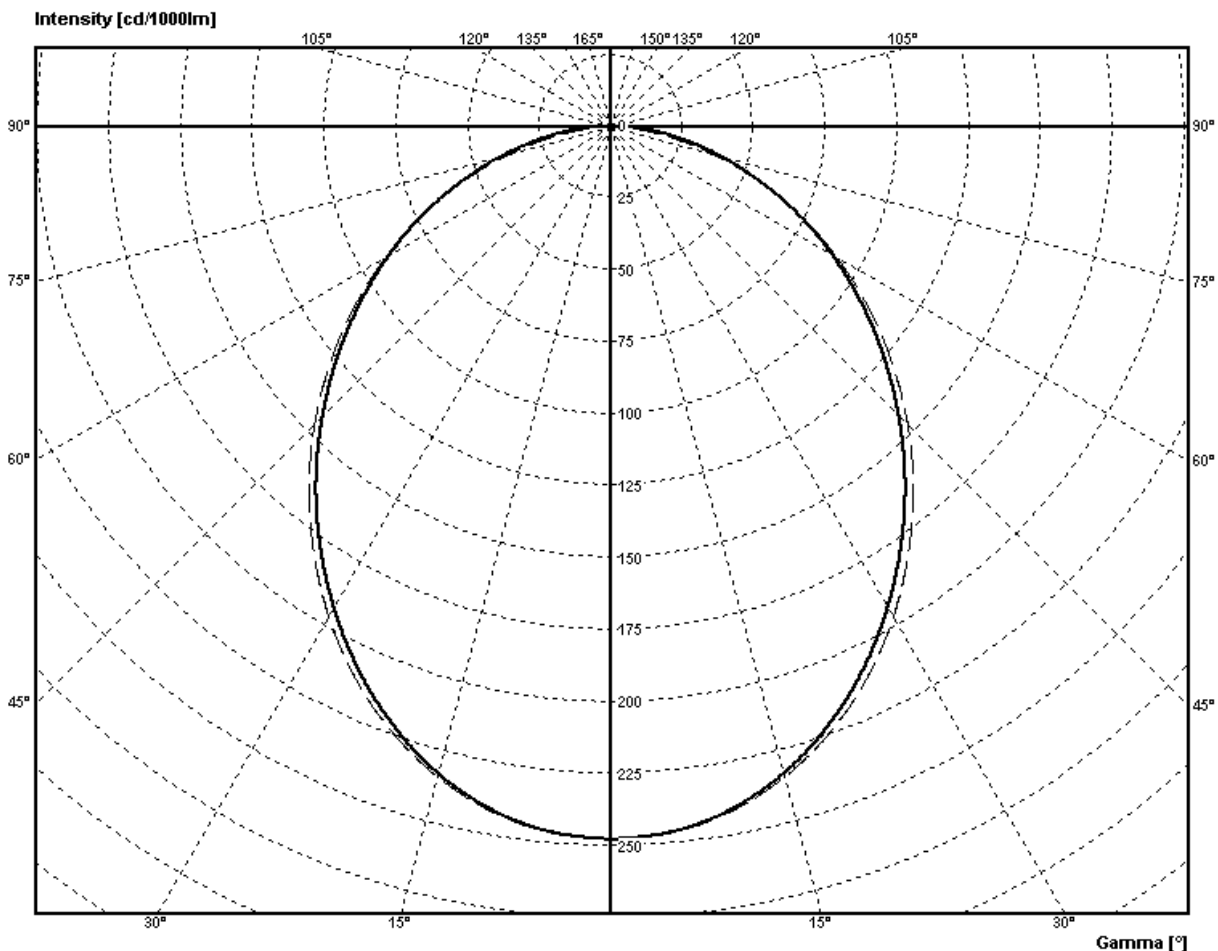
C-planes:	0,0°	15,0°	30,0°	45,0°	60,0°	75,0°	90,0°	105,0°	120,0°	135,0°
	150,0°	165,0°	180,0°	195,0°	210,0°	225,0°	240,0°	255,0°	270,0°	285,0°
	300,0°	315,0°	330,0°	345,0°						

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 /E EXT LINE L1127 SRT/END+INT SYM BLINE 830 HO		
Number:	90506-83+90497L004	Diameter:	0 mm
Report:	24-01-2020	Length:	1127 mm
Meas.-no.:	01	Width:	62 mm
Lamp type:	LED 830 - 01	Height:	72 mm
Number:	1	Power:	28,70 W
Lamp flux:	4320,00 lm	Operator:	INDELAGUE GROUP
Date:	24-01-2020 14:27:36	Output ratio:	63,1 %

Polar diagram REBA 50 /E EXT LINE L1127 SRT/END+INT SYM BLINE 830 HO / Direct  
in 15° C / 5° G



## PHOTOMETRIC RESULTS

<b>Name:</b>	<b>REBA 50 /E EXT LINE L1127 SRT/END+INT SYM BLINE 830 HO</b>		
<b>Number:</b>	90506-83+90497L004	<b>Diameter:</b>	0 mm
<b>Report:</b>	24-01-2020	<b>Length:</b>	1127 mm
<b>Meas.-no.:</b>	01	<b>Width:</b>	62 mm
<b>Lamp type:</b>	LED 830 - 01	<b>Height:</b>	72 mm
<b>Number:</b>	1	<b>Power:</b>	28,70 W
<b>Lamp flux:</b>	4320,00 lm	<b>Operator:</b>	INDEL AGUE GROUP
<b>Date:</b>	24-01-2020 14:27:36	<b>Output ratio:</b>	63,1 %

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

UGR values are corrected for lamp flux of 4320 lm by 5,1

## PHOTOMETRIC RESULTS

<b>Name:</b>	<b>REBA 50 /E EXT LINE L1127 SRT/END+INT SYM BLINE 830 HO</b>		
<b>Number:</b>	90506-83+90497L004	<b>Diameter:</b>	0 mm
<b>Report:</b>	24-01-2020	<b>Length:</b>	1127 mm
<b>Meas.-no.:</b>	01	<b>Width:</b>	62 mm
<b>Lamp type:</b>	LED 830 - 01	<b>Height:</b>	72 mm
<b>Number:</b>	1	<b>Power:</b>	28,70 W
<b>Lamp flux:</b>	4320,00 lm	<b>Operator:</b>	INDEL AGUE GROUP
<b>Date:</b>	24-01-2020 14:27:36	<b>Output ratio:</b>	63,1 %

Luminance [cd/m<sup>2</sup>] REBA 50 /E EXT LINE L1127 SRT/END+INT SYM BLINE 830 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	6543,92	6648,29	7086,04	7924,85	9335,80	11741,1	16229,7	11741,1	9335,80
50,00	5640,45	5738,98	6139,26	6917,67	8272,44	10649,1	15438,5	10649,1	8272,44
55,00	4799,96	4895,50	5253,17	5967,07	7223,95	9552,72	14585,6	9552,72	7223,95
60,00	4023,79	4097,63	4414,96	5040,50	6195,15	8390,87	13660,5	8390,87	6195,15
65,00	3275,98	3336,29	3597,78	4134,83	5138,96	7145,88	12561,9	7145,88	5138,96
70,00	2550,61	2601,98	2807,22	3238,49	4066,25	5809,79	11192,2	5809,79	4066,25
75,00	1868,99	1897,58	2046,55	2351,82	2971,33	4336,97	9454,69	4336,97	2971,33
80,00	1237,12	1245,89	1338,63	1512,13	1897,85	2800,96	7164,75	2800,96	1897,85
85,00	680,83	679,73	717,41	783,43	952,08	1334,52	4289,31	1334,52	952,08

G/C [cd/	135,00	150,00	165,00	180,00	195,00	210,00	225,00	240,00	255,00
45,00	7924,85	7086,04	6648,29	6543,92	6648,29	7086,04	7924,85	9335,80	11741,1
50,00	6917,67	6139,26	5738,98	5640,45	5738,98	6139,26	6917,67	8272,44	10649,1
55,00	5967,07	5253,17	4895,50	4799,96	4895,50	5253,17	5967,07	7223,95	9552,72
60,00	5040,50	4414,96	4097,63	4023,79	4097,63	4414,96	5040,50	6195,15	8390,87
65,00	4134,83	3597,78	3336,29	3275,98	3336,29	3597,78	4134,83	5138,96	7145,88
70,00	3238,49	2807,22	2601,98	2550,61	2601,98	2807,22	3238,49	4066,25	5809,79
75,00	2351,82	2046,55	1897,58	1868,99	1897,58	2046,55	2351,82	2971,33	4336,97
80,00	1512,13	1338,63	1245,89	1237,12	1245,89	1338,63	1512,13	1897,85	2800,96
85,00	783,43	717,41	679,73	680,83	679,73	717,41	783,43	952,08	1334,52

G/C [cd/	270,00	285,00	300,00	315,00	330,00	345,00
45,00	16229,7	11741,1	9335,80	7924,85	7086,04	6648,29
50,00	15438,5	10649,1	8272,44	6917,67	6139,26	5738,98
55,00	14585,6	9552,72	7223,95	5967,07	5253,17	4895,50
60,00	13660,5	8390,87	6195,15	5040,50	4414,96	4097,63
65,00	12561,9	7145,88	5138,96	4134,83	3597,78	3336,29
70,00	11192,2	5809,79	4066,25	3238,49	2807,22	2601,98
75,00	9454,69	4336,97	2971,33	2351,82	2046,55	1897,58
80,00	7164,75	2800,96	1897,85	1512,13	1338,63	1245,89
85,00	4289,31	1334,52	952,08	783,43	717,41	679,73

## 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