

## PHOTOMETRIC RESULTS

<b>Name:</b>	<b>REBA 50 /T EXT LINE L1140 SRT/END+INT SYM BGLARE 840 HO</b>		
<b>Number:</b>	90507-83+90498L004	<b>Diameter:</b>	0 mm
<b>Report:</b>	24-01-2020	<b>Length:</b>	1140 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>	28,70 W
<b>Lamp flux:</b>	4720,00 lm	<b>Operator:</b>	INDEL AGUE GROUP
<b>Date:</b>	24-01-2020 12:15:48	<b>Output ratio:</b>	62,0 %

## Protocol

**LiTG-class:** A50  
**UTE-class:** 0,62 C  
**IES-class:** 63 - 88 - 97 - 100 - 62  
**TM5-class:** BZ2/1.25/BZ3/2.00/BZ2/2.50/BZ3

## Divergences in the plane through maximum intensity:

	Horizontal	Vertical
One half peak divergence	81,1°	80,4°
Half peak side angle (left)	-40,6°	-40,2°
Half peak side angle (right)	40,6°	40,2°
One tenth peak divergence	133,4°	138,5°
Tenth peak side angle (left)	-66,7°	-69,2°
Tenth peak side angle (right)	66,7°	69,2°

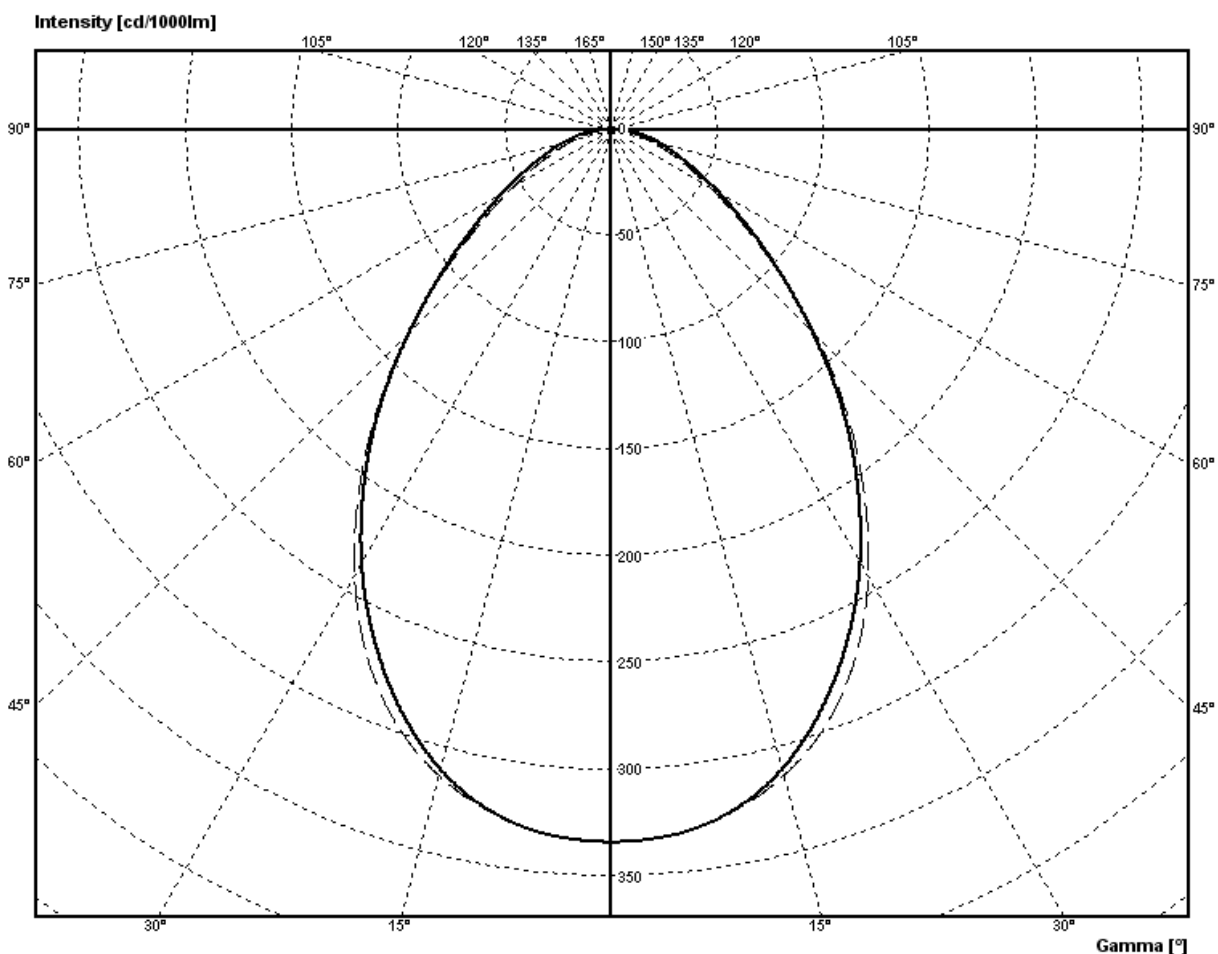
<b>C-planes:</b>	0,0°	15,0°	30,0°	45,0°	60,0°	75,0°	90,0°	105,0°	120,0°	135,0°
	150,0°	165,0°	180,0°	195,0°	210,0°	225,0°	240,0°	255,0°	270,0°	285,0°
	300,0°	315,0°	330,0°	345,0°						

<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 50 /T EXT LINE L1140 SRT/END+INT SYM BGLARE 840 HO		
Number:	90507-83+90498L004	Diameter:	0 mm
Report:	24-01-2020	Length:	1140 mm
Meas.-no.:	01	Width:	70 mm
Lamp type:	LED 840 - 01	Height:	114 mm
Number:	01	Power:	28,70 W
Lamp flux:	4720,00 lm	Operator:	INDEL AGUE GROUP
Date:	24-01-2020 12:15:48	Output ratio:	62,0 %

Polar diagram REBA 50 /T EXT LINE L1140 SRT/END+INT SYM BGLARE 840 HO /  
Direct in 15° C / 5° G



## PHOTOMETRIC RESULTS

<b>Name:</b>	<b>REBA 50 /T EXT LINE L1140 SRT/END+INT SYM BGLARE 840 HO</b>		
<b>Number:</b>	90507-83+90498L004	<b>Diameter:</b>	0 mm
<b>Report:</b>	24-01-2020	<b>Length:</b>	1140 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>	28,70 W
<b>Lamp flux:</b>	4720,00 lm	<b>Operator:</b>	INDEL AGUE GROUP
<b>Date:</b>	24-01-2020 12:15:48	<b>Output ratio:</b>	62,0 %

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

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

## PHOTOMETRIC RESULTS

<b>Name:</b>	<b>REBA 50 /T EXT LINE L1140 SRT/END+INT SYM BGLARE 840 HO</b>		
<b>Number:</b>	90507-83+90498L004	<b>Diameter:</b>	0 mm
<b>Report:</b>	24-01-2020	<b>Length:</b>	1140 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>	28,70 W
<b>Lamp flux:</b>	4720,00 lm	<b>Operator:</b>	INDEL AGUE GROUP
<b>Date:</b>	24-01-2020 12:15:48	<b>Output ratio:</b>	62,0 %

Luminance [cd/m<sup>2</sup>] REBA 50 /T EXT LINE L1140 SRT/END+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	4972,09	5083,38	5591,30	6458,01	7741,25	10141,5	15892,9	10141,5	7741,25
50,00	3703,68	3770,78	4123,32	4801,88	5829,24	7697,86	12784,9	7697,86	5829,24
55,00	2725,28	2760,50	3059,46	3501,58	4262,53	5716,09	10161,7	5716,09	4262,53
60,00	2005,39	2012,56	2260,96	2522,08	3109,61	4251,08	8203,64	4251,08	3109,61
65,00	1470,76	1471,67	1629,84	1829,21	2257,66	3125,50	6632,92	3125,50	2257,66
70,00	1084,69	1104,31	1203,53	1333,93	1645,24	2308,70	5375,37	2308,70	1645,24
75,00	795,19	814,60	873,10	962,63	1176,78	1712,09	4454,48	1712,09	1176,78
80,00	533,65	533,62	583,91	628,35	782,55	1180,91	3539,32	1180,91	782,55
85,00	282,05	284,46	316,70	331,15	412,28	616,01	2340,80	616,01	412,28

G/C [cd/	135,00	150,00	165,00	180,00	195,00	210,00	225,00	240,00	255,00
45,00	6458,01	5591,30	5083,38	4972,09	5083,38	5591,30	6458,01	7741,25	10141,5
50,00	4801,88	4123,32	3770,78	3703,68	3770,78	4123,32	4801,88	5829,24	7697,86
55,00	3501,58	3059,46	2760,50	2725,28	2760,50	3059,46	3501,58	4262,53	5716,09
60,00	2522,08	2260,96	2012,56	2005,39	2012,56	2260,96	2522,08	3109,61	4251,08
65,00	1829,21	1629,84	1471,67	1470,76	1471,67	1629,84	1829,21	2257,66	3125,50
70,00	1333,93	1203,53	1104,31	1084,69	1104,31	1203,53	1333,93	1645,24	2308,70
75,00	962,63	873,10	814,60	795,19	814,60	873,10	962,63	1176,78	1712,09
80,00	628,35	583,91	533,62	533,65	533,62	583,91	628,35	782,55	1180,91
85,00	331,15	316,70	284,46	282,05	284,46	316,70	331,15	412,28	616,01

G/C [cd/	270,00	285,00	300,00	315,00	330,00	345,00
45,00	15892,9	10141,5	7741,25	6458,01	5591,30	5083,38
50,00	12784,9	7697,86	5829,24	4801,88	4123,32	3770,78
55,00	10161,7	5716,09	4262,53	3501,58	3059,46	2760,50
60,00	8203,64	4251,08	3109,61	2522,08	2260,96	2012,56
65,00	6632,92	3125,50	2257,66	1829,21	1629,84	1471,67
70,00	5375,37	2308,70	1645,24	1333,93	1203,53	1104,31
75,00	4454,48	1712,09	1176,78	962,63	873,10	814,60
80,00	3539,32	1180,91	782,55	628,35	583,91	533,62
85,00	2340,80	616,01	412,28	331,15	316,70	284,46

## 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