

## PHOTOMETRIC RESULTS

Name:	REBA 50 /T EXT L2840+INT SYM BGLARE 840 HO		
Number:	90519+90498L010	Diameter:	0 mm
Report:	24-01-2020	Length:	2840 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 15:27:21	Output ratio:	64,2 %

## Protocol

LiTG-class: A50  
UTE-class: 0,64 C  
IES-class: 62 - 88 - 97 - 100 - 64  
TM5-class: BZ2/1.00/BZ3

## Divergences in the plane through maximum intensity:

	Horizontal	Vertical
One half peak divergence	81,0°	80,3°
Half peak side angle (left)	-40,5°	-40,2°
Half peak side angle (right)	40,5°	40,2°
One tenth peak divergence	136,1°	140,9°
Tenth peak side angle (left)	-68,1°	-70,5°
Tenth peak side angle (right)	68,1°	70,5°

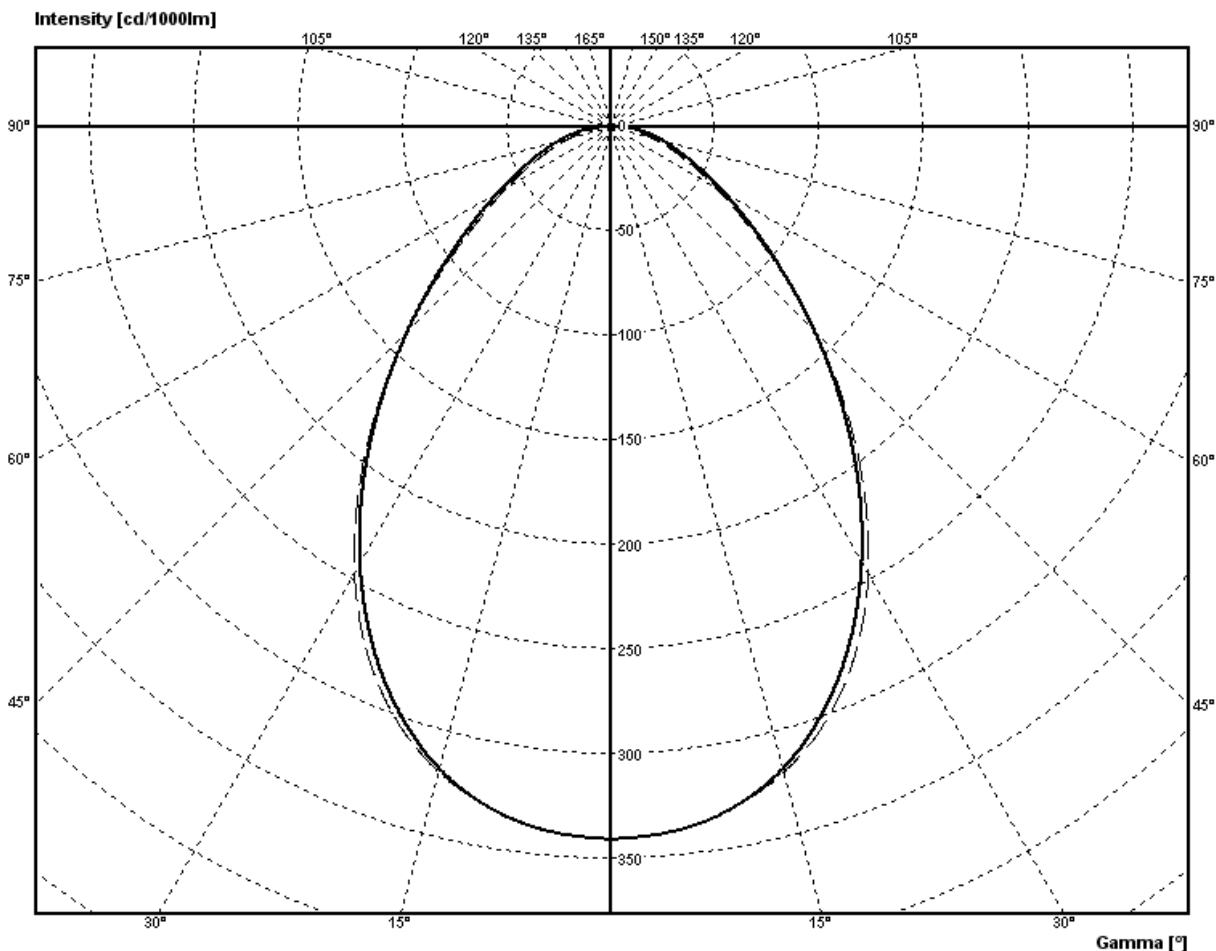
C-planes:	0,0°	15,0°	30,0°	45,0°	60,0°	75,0°	90,0°	105,0°	120,0°	135,0°
	150,0°	165,0°	180,0°	195,0°	210,0°	225,0°	240,0°	255,0°	270,0°	285,0°
	300,0°	315,0°	330,0°	345,0°						

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 L2840+INT SYM BGLARE 840 HO		
Number:	90519+90498L010	Diameter:	0 mm
Report:	24-01-2020	Length:	2840 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 15:27:21	Output ratio:	64,2 %

Polar diagram REBA 50 /T EXT L2840+INT SYM BGLARE 840 HO / Direct in 15° C / 5° G



## PHOTOMETRIC RESULTS

<b>Name:</b>	REBA 50 /T EXT L2840+INT SYM BGLARE 840 HO		
<b>Number:</b>	90519+90498L010	<b>Diameter:</b>	0 mm
<b>Report:</b>	24-01-2020	<b>Length:</b>	2840 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 15:27:21	<b>Output ratio:</b>	64,2 %

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

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

## PHOTOMETRIC RESULTS

<b>Name:</b>	<b>REBA 50 /T EXT L2840+INT SYM BGLARE 840 HO</b>		
<b>Number:</b>	90519+90498L010	<b>Diameter:</b>	0 mm
<b>Report:</b>	24-01-2020	<b>Length:</b>	2840 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 15:27:21	<b>Output ratio:</b>	64,2 %

Luminance [cd/m<sup>2</sup>] REBA 50 /T EXT L2840+INT SYM BGLARE 840 HO / Direct in 15° ©  
/ 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	5110,64	5263,83	5805,89	6750,59	8174,25	10751,1	17073,2	10751,1	8174,25
50,00	3851,51	3939,45	4327,51	5072,00	6246,88	8343,03	14148,2	8343,03	6246,88
55,00	2871,19	2920,01	3219,00	3755,84	4662,72	6370,38	11602,8	6370,38	4662,72
60,00	2144,97	2152,43	2401,02	2756,72	3467,98	4848,16	9767,46	4848,16	3467,98
65,00	1600,69	1600,19	1773,40	2002,67	2556,56	3660,29	8268,30	3660,29	2556,56
70,00	1195,56	1218,27	1328,49	1470,31	1877,46	2742,15	7036,24	2742,15	1877,46
75,00	883,70	910,99	985,07	1079,81	1358,13	2052,89	6067,08	2052,89	1358,13
80,00	600,50	623,49	681,68	735,42	923,54	1404,49	5133,19	1404,49	923,54
85,00	325,90	333,70	371,67	393,72	493,18	755,27	3814,23	755,27	493,18

G/C [cd/	135,00	150,00	165,00	180,00	195,00	210,00	225,00	240,00	255,00
45,00	6750,59	5805,89	5263,83	5110,64	5263,83	5805,89	6750,59	8174,25	10751,1
50,00	5072,00	4327,51	3939,45	3851,51	3939,45	4327,51	5072,00	6246,88	8343,03
55,00	3755,84	3219,00	2920,01	2871,19	2920,01	3219,00	3755,84	4662,72	6370,38
60,00	2756,72	2401,02	2152,43	2144,97	2152,43	2401,02	2756,72	3467,98	4848,16
65,00	2002,67	1773,40	1600,19	1600,69	1600,19	1773,40	2002,67	2556,56	3660,29
70,00	1470,31	1328,49	1218,27	1195,56	1218,27	1328,49	1470,31	1877,46	2742,15
75,00	1079,81	985,07	910,99	883,70	910,99	985,07	1079,81	1358,13	2052,89
80,00	735,42	681,68	623,49	600,50	623,49	681,68	735,42	923,54	1404,49
85,00	393,72	371,67	333,70	325,90	333,70	371,67	393,72	493,18	755,27

G/C [cd/	270,00	285,00	300,00	315,00	330,00	345,00
45,00	17073,2	10751,1	8174,25	6750,59	5805,89	5263,83
50,00	14148,2	8343,03	6246,88	5072,00	4327,51	3939,45
55,00	11602,8	6370,38	4662,72	3755,84	3219,00	2920,01
60,00	9767,46	4848,16	3467,98	2756,72	2401,02	2152,43
65,00	8268,30	3660,29	2556,56	2002,67	1773,40	1600,19
70,00	7036,24	2742,15	1877,46	1470,31	1328,49	1218,27
75,00	6067,08	2052,89	1358,13	1079,81	985,07	910,99
80,00	5133,19	1404,49	923,54	735,42	681,68	623,49
85,00	3814,23	755,27	493,18	393,72	371,67	333,70

## 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