

## PHOTOMETRIC RESULTS

<b>Name:</b>	<b>REBA 50 /T EXT L2840+INT SYM BGLARE K3 830 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 830 - 01	<b>Height:</b>	114 mm
<b>Number:</b>	01	<b>Power:</b>	73,6 W
<b>Lamp flux:</b>	10800,00 lm	<b>Operator:</b>	INDEL AGUE GROUP
<b>Date:</b>	24-01-2020 16:41:02	<b>Output ratio:</b>	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	80,8°	80,4°
Half peak side angle (left)	-40,4°	-40,2°
Half peak side angle (right)	40,4°	40,2°
One tenth peak divergence	135,8°	141,1°
Tenth peak side angle (left)	-67,9°	-70,6°
Tenth peak side angle (right)	67,9°	70,6°

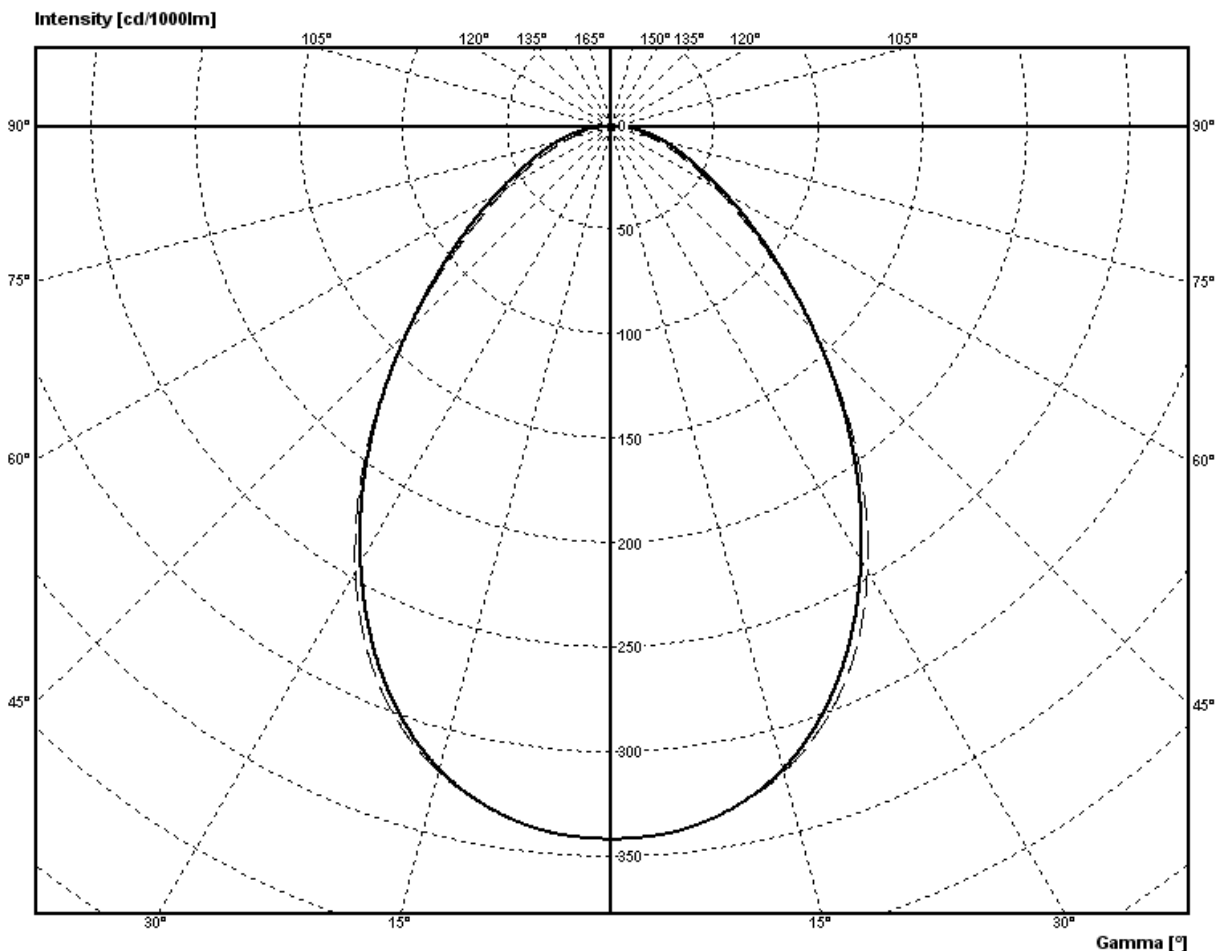
<b>C-planes:</b>	0,0°	15,0°	30,0°	45,0°	60,0°	75,0°	90,0°	105,0°	120,0°	135,0°
	150,0°	165,0°	180,0°	195,0°	210,0°	225,0°	240,0°	255,0°	270,0°	285,0°
	300,0°	315,0°	330,0°	345,0°						

<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 L2840+INT SYM BGLARE K3 830 HO		
Number:	90519+90498L010	Diameter:	0 mm
Report:	24-01-2020	Length:	2840 mm
Meas.-no.:	01	Width:	70 mm
Lamp type:	LED 830 - 01	Height:	114 mm
Number:	01	Power:	73,6 W
Lamp flux:	10800,00 lm	Operator:	INDELAGUE GROUP
Date:	24-01-2020 16:41:02	Output ratio:	64,2 %

Polar diagram REBA 50 /T EXT L2840+INT SYM BGLARE K3 830 HO / Direct in 15° C//  
5° G



## PHOTOMETRIC RESULTS

<b>Name:</b>	<b>REBA 50 /T EXT L2840+INT SYM BGLARE K3 830 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 830 - 01	<b>Height:</b>	114 mm
<b>Number:</b>	01	<b>Power:</b>	73,6 W
<b>Lamp flux:</b>	10800,00 lm	<b>Operator:</b>	INDELAGUE GROUP
<b>Date:</b>	24-01-2020 16:41:02	<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>		<b>Viewed crosswise</b>					<b>Viewed endwise</b>				
<b>2H</b>	<b>2H</b>	15,9	17,3	16,2	17,6	17,9	18,1	19,6	18,5	19,9	20,2
<b>2H</b>	<b>3H</b>	16,4	17,7	16,7	18,0	18,3	18,8	20,1	19,2	20,4	20,8
<b>2H</b>	<b>4H</b>	16,5	17,8	16,9	18,1	18,5	19,1	20,3	19,5	20,6	21,0
<b>2H</b>	<b>6H</b>	16,7	17,8	17,1	18,2	18,6	19,3	20,4	19,7	20,8	21,2
<b>2H</b>	<b>8H</b>	16,7	17,8	17,1	18,1	18,5	19,3	20,4	19,8	20,8	21,2
<b>2H</b>	<b>12H</b>	16,7	17,7	17,1	18,1	18,5	19,4	20,4	19,8	20,8	21,2
<b>4H</b>	<b>2H</b>	16,2	17,4	16,6	17,8	18,1	18,2	19,4	18,6	19,8	20,1
<b>4H</b>	<b>3H</b>	16,8	17,9	17,2	18,2	18,7	18,9	20,0	19,3	20,4	20,8
<b>4H</b>	<b>4H</b>	17,1	18,0	17,6	18,4	18,9	19,3	20,2	19,8	20,6	21,1
<b>4H</b>	<b>6H</b>	17,3	18,1	17,7	18,5	19,0	19,6	20,4	20,0	20,8	21,3
<b>4H</b>	<b>8H</b>	17,3	18,1	17,8	18,5	19,0	19,7	20,4	20,1	20,9	21,3
<b>4H</b>	<b>12H</b>	17,4	18,1	17,8	18,5	19,0	19,7	20,4	20,2	20,9	21,4
<b>8H</b>	<b>4H</b>	17,2	17,9	17,7	18,4	18,9	19,3	20,0	19,8	20,5	20,9
<b>8H</b>	<b>6H</b>	17,4	18,0	17,9	18,5	19,0	19,6	20,2	20,0	20,7	21,2
<b>8H</b>	<b>8H</b>	17,6	18,1	18,1	18,6	19,1	19,7	20,3	20,2	20,8	21,3
<b>8H</b>	<b>12H</b>	17,6	18,1	18,1	18,6	19,1	19,8	20,3	20,3	20,8	21,3
<b>12H</b>	<b>4H</b>	17,2	17,9	17,7	18,3	18,8	19,3	20,0	19,7	20,4	20,9
<b>12H</b>	<b>6H</b>	17,5	18,0	18,0	18,5	19,0	19,6	20,1	20,1	20,6	21,1
<b>12H</b>	<b>8H</b>	17,6	18,0	18,1	18,5	19,1	19,7	20,2	20,2	20,7	21,2

UGR values are corrected for lamp flux of 10800 lm by 8,3

## PHOTOMETRIC RESULTS

<b>Name:</b>	<b>REBA 50 /T EXT L2840+INT SYM BGLARE K3 830 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 830 - 01	<b>Height:</b>	114 mm
<b>Number:</b>	01	<b>Power:</b>	73,6 W
<b>Lamp flux:</b>	10800,00 lm	<b>Operator:</b>	INDEL AGUE GROUP
<b>Date:</b>	24-01-2020 16:41:02	<b>Output ratio:</b>	64,2 %

Luminance [cd/m<sup>2</sup>] REBA 50 /T EXT L2840+INT SYM BGLARE K3 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	4688,64	4822,34	5304,46	6163,37	7457,95	9820,59	15653,8	9820,59	7457,95
50,00	3542,28	3595,44	3960,20	4644,31	5683,68	7604,02	12954,1	7604,02	5683,68
55,00	2654,15	2663,44	2936,61	3428,90	4271,76	5802,40	10654,5	5802,40	4271,76
60,00	1976,77	1963,44	2189,45	2511,47	3169,00	4413,42	8890,97	4413,42	3169,00
65,00	1469,10	1464,38	1622,97	1819,66	2320,30	3322,68	7525,76	3322,68	2320,30
70,00	1103,45	1115,62	1210,79	1334,01	1700,80	2498,10	6391,26	2498,10	1700,80
75,00	820,66	830,57	894,99	976,79	1232,13	1859,96	5548,58	1859,96	1232,13
80,00	562,64	570,43	619,30	663,52	837,86	1275,53	4734,29	1275,53	837,86
85,00	297,15	308,68	342,56	361,49	451,00	684,19	3522,12	684,19	451,00

G/C [cd/	135,00	150,00	165,00	180,00	195,00	210,00	225,00	240,00	255,00
45,00	6163,37	5304,46	4822,34	4688,64	4822,34	5304,46	6163,37	7457,95	9820,59
50,00	4644,31	3960,20	3595,44	3542,28	3595,44	3960,20	4644,31	5683,68	7604,02
55,00	3428,90	2936,61	2663,44	2654,15	2663,44	2936,61	3428,90	4271,76	5802,40
60,00	2511,47	2189,45	1963,44	1976,77	1963,44	2189,45	2511,47	3169,00	4413,42
65,00	1819,66	1622,97	1464,38	1469,10	1464,38	1622,97	1819,66	2320,30	3322,68
70,00	1334,01	1210,79	1115,62	1103,45	1115,62	1210,79	1334,01	1700,80	2498,10
75,00	976,79	894,99	830,57	820,66	830,57	894,99	976,79	1232,13	1859,96
80,00	663,52	619,30	570,43	562,64	570,43	619,30	663,52	837,86	1275,53
85,00	361,49	342,56	308,68	297,15	308,68	342,56	361,49	451,00	684,19

G/C [cd/	270,00	285,00	300,00	315,00	330,00	345,00
45,00	15653,8	9820,59	7457,95	6163,37	5304,46	4822,34
50,00	12954,1	7604,02	5683,68	4644,31	3960,20	3595,44
55,00	10654,5	5802,40	4271,76	3428,90	2936,61	2663,44
60,00	8890,97	4413,42	3169,00	2511,47	2189,45	1963,44
65,00	7525,76	3322,68	2320,30	1819,66	1622,97	1464,38
70,00	6391,26	2498,10	1700,80	1334,01	1210,79	1115,62
75,00	5548,58	1859,96	1232,13	976,79	894,99	830,57
80,00	4734,29	1275,53	837,86	663,52	619,30	570,43
85,00	3522,12	684,19	451,00	361,49	342,56	308,68

## 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