

## PHOTOMETRIC RESULTS

<b>Name:</b>	<b>REBA 50 /T EXT L2560+INT SYM BGLARE K3 830 HO</b>		
<b>Number:</b>	90519+90498L009	<b>Diameter:</b>	0 mm
<b>Report:</b>	24-01-2020	<b>Length:</b>	2560 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>	65,74 W
<b>Lamp flux:</b>	9720,00 lm	<b>Operator:</b>	INDEL AGUE GROUP
<b>Date:</b>	24-01-2020 14:42:44	<b>Output ratio:</b>	62,2 %

## Protocol

**LiTG-class:** A50  
**UTE-class:** 0,62 C  
**IES-class:** 63 - 88 - 97 - 100 - 62  
**TM5-class:** BZ2/1.50/BZ3/2.00/BZ2/2.50/BZ3

<b>Divergences in the plane through maximum intensity:</b>	Horizontal	Vertical
<b>One half peak divergence</b>	80,9°	80,3°
<b>Half peak side angle (left)</b>	-40,5°	-40,1°
<b>Half peak side angle (right)</b>	40,5°	40,1°
<b>One tenth peak divergence</b>	133,0°	138,4°
<b>Tenth peak side angle (left)</b>	-66,5°	-69,2°
<b>Tenth peak side angle (right)</b>	66,5°	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 L2560+INT SYM BGLARE K3 830 HO		
Number:	90519+90498L009	Diameter:	0 mm
Report:	24-01-2020	Length:	2560 mm
Meas.-no.:	01	Width:	70 mm
Lamp type:	LED 830 - 01	Height:	114 mm
Number:	01	Power:	65,74 W
Lamp flux:	9720,00 lm	Operator:	INDELAGUE GROUP
Date:	24-01-2020 14:42:44	Output ratio:	62,2 %

Polar diagram REBA 50 /T EXT L2560+INT SYM BGLARE K3 830 HO / Direct in 15° C//  
5° G



## PHOTOMETRIC RESULTS

<b>Name:</b>	<b>REBA 50 /T EXT L2560+INT SYM BGLARE K3 830 HO</b>		
<b>Number:</b>	90519+90498L009	<b>Diameter:</b>	0 mm
<b>Report:</b>	24-01-2020	<b>Length:</b>	2560 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>	65,74 W
<b>Lamp flux:</b>	9720,00 lm	<b>Operator:</b>	INDEL AGUE GROUP
<b>Date:</b>	24-01-2020 14:42:44	<b>Output ratio:</b>	62,2 %

## 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>	15,7	17,2	16,1	17,5	17,8	17,9	19,3	18,3	19,7	20,0
<b>2H</b>	<b>3H</b>	16,2	17,5	16,5	17,8	18,1	18,5	19,8	18,9	20,1	20,5
<b>2H</b>	<b>4H</b>	16,3	17,5	16,7	17,9	18,3	18,7	19,9	19,1	20,3	20,7
<b>2H</b>	<b>6H</b>	16,4	17,6	16,8	17,9	18,3	18,9	20,0	19,3	20,4	20,8
<b>2H</b>	<b>8H</b>	16,4	17,5	16,8	17,9	18,3	19,0	20,0	19,4	20,4	20,8
<b>2H</b>	<b>12H</b>	16,4	17,4	16,8	17,8	18,2	19,0	20,0	19,4	20,4	20,8
<b>4H</b>	<b>2H</b>	16,0	17,3	16,4	17,6	18,0	18,0	19,2	18,4	19,5	19,9
<b>4H</b>	<b>3H</b>	16,6	17,6	17,0	18,0	18,4	18,6	19,7	19,0	20,0	20,5
<b>4H</b>	<b>4H</b>	16,9	17,8	17,3	18,2	18,6	19,0	19,9	19,4	20,3	20,7
<b>4H</b>	<b>6H</b>	17,0	17,8	17,4	18,2	18,7	19,2	20,0	19,6	20,4	20,9
<b>4H</b>	<b>8H</b>	17,0	17,8	17,5	18,2	18,7	19,2	20,0	19,7	20,4	20,9
<b>4H</b>	<b>12H</b>	17,0	17,7	17,5	18,2	18,7	19,3	20,0	19,8	20,4	20,9
<b>8H</b>	<b>4H</b>	16,9	17,7	17,4	18,1	18,6	18,9	19,7	19,4	20,1	20,6
<b>8H</b>	<b>6H</b>	17,1	17,7	17,6	18,2	18,7	19,1	19,8	19,6	20,2	20,7
<b>8H</b>	<b>8H</b>	17,2	17,7	17,7	18,3	18,7	19,3	19,8	19,8	20,4	20,8
<b>8H</b>	<b>12H</b>	17,2	17,7	17,8	18,2	18,7	19,4	19,8	19,9	20,3	20,8
<b>12H</b>	<b>4H</b>	16,9	17,6	17,4	18,0	18,5	18,9	19,6	19,4	20,0	20,5
<b>12H</b>	<b>6H</b>	17,1	17,7	17,7	18,2	18,7	19,2	19,7	19,7	20,2	20,7
<b>12H</b>	<b>8H</b>	17,2	17,7	17,7	18,2	18,7	19,3	19,7	19,8	20,3	20,8

UGR values are corrected for lamp flux of 9720 lm by 7,9

## PHOTOMETRIC RESULTS

<b>Name:</b>	<b>REBA 50 /T EXT L2560+INT SYM BGLARE K3 830 HO</b>		
<b>Number:</b>	90519+90498L009	<b>Diameter:</b>	0 mm
<b>Report:</b>	24-01-2020	<b>Length:</b>	2560 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>	65,74 W
<b>Lamp flux:</b>	9720,00 lm	<b>Operator:</b>	INDEL AGUE GROUP
<b>Date:</b>	24-01-2020 14:42:44	<b>Output ratio:</b>	62,2 %

Luminance [cd/m<sup>2</sup>] REBA 50 /T EXT L2560+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	4582,90	4687,73	5186,00	6014,34	7254,68	9584,40	15347,5	9584,40	7254,68
50,00	3404,83	3478,39	3825,78	4473,48	5449,34	7298,53	12430,0	7298,53	5449,34
55,00	2502,04	2547,12	2835,94	3262,55	4003,30	5438,05	10033,2	5438,05	4003,30
60,00	1843,17	1852,31	2089,20	2366,73	2915,28	4022,49	8199,83	4022,49	2915,28
65,00	1346,97	1351,25	1508,62	1702,10	2111,91	2988,81	6708,70	2988,81	2111,91
70,00	998,16	1015,47	1115,37	1243,57	1542,80	2215,36	5566,48	2215,36	1542,80
75,00	727,93	749,44	808,64	894,22	1106,71	1654,11	4776,28	1654,11	1106,71
80,00	490,71	489,50	542,18	584,38	741,27	1141,54	4016,46	1141,54	741,27
85,00	258,79	262,00	294,14	309,72	390,23	598,76	2985,86	598,76	390,23

G/C [cd/	135,00	150,00	165,00	180,00	195,00	210,00	225,00	240,00	255,00
45,00	6014,34	5186,00	4687,73	4582,90	4687,73	5186,00	6014,34	7254,68	9584,40
50,00	4473,48	3825,78	3478,39	3404,83	3478,39	3825,78	4473,48	5449,34	7298,53
55,00	3262,55	2835,94	2547,12	2502,04	2547,12	2835,94	3262,55	4003,30	5438,05
60,00	2366,73	2089,20	1852,31	1843,17	1852,31	2089,20	2366,73	2915,28	4022,49
65,00	1702,10	1508,62	1351,25	1346,97	1351,25	1508,62	1702,10	2111,91	2988,81
70,00	1243,57	1115,37	1015,47	998,16	1015,47	1115,37	1243,57	1542,80	2215,36
75,00	894,22	808,64	749,44	727,93	749,44	808,64	894,22	1106,71	1654,11
80,00	584,38	542,18	489,50	490,71	489,50	542,18	584,38	741,27	1141,54
85,00	309,72	294,14	262,00	258,79	262,00	294,14	309,72	390,23	598,76

G/C [cd/	270,00	285,00	300,00	315,00	330,00	345,00
45,00	15347,5	9584,40	7254,68	6014,34	5186,00	4687,73
50,00	12430,0	7298,53	5449,34	4473,48	3825,78	3478,39
55,00	10033,2	5438,05	4003,30	3262,55	2835,94	2547,12
60,00	8199,83	4022,49	2915,28	2366,73	2089,20	1852,31
65,00	6708,70	2988,81	2111,91	1702,10	1508,62	1351,25
70,00	5566,48	2215,36	1542,80	1243,57	1115,37	1015,47
75,00	4776,28	1654,11	1106,71	894,22	808,64	749,44
80,00	4016,46	1141,54	741,27	584,38	542,18	489,50
85,00	2985,86	598,76	390,23	309,72	294,14	262,00

## 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