

## PHOTOMETRIC RESULTS

<b>Name:</b>	REBA 50 /E EXT LINE L1964 MID+INT ASYM K3 830 HO		
<b>Number:</b>	90506+90500L007	<b>Diameter:</b>	0 mm
<b>Report:</b>	23-01-2020	<b>Length:</b>	1964 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>	01	<b>Power:</b>	57,16 W
<b>Lamp flux:</b>	8400,00 lm	<b>Operator:</b>	INDEL AGUE GROUP
<b>Date:</b>	23-01-2020 15:43:22	<b>Output ratio:</b>	56,7 %

## Protocol

**LiTG-class:** A50  
**UTE-class:** 0,57 C  
**IES-class:** 60 - 88 - 97 - 100 - 57  
**TM5-class:** BZ3

<b>Divergences in the plane through maximum intensity:</b>	Horizontal	Vertical
<b>One half peak divergence</b>	93,9°	54,8°
<b>Half peak side angle (left)</b>	-46,9°	-40,0°
<b>Half peak side angle (right)</b>	46,9°	14,8°
<b>One tenth peak divergence</b>	140,7°	130,5°
<b>Tenth peak side angle (left)</b>	-70,3°	-62,5°
<b>Tenth peak side angle (right)</b>	70,3°	68,0°

<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°	

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Polar diagram REBA 50 /E EXT LINE L1964 MID+INT ASYM K3 830 HO / Direct in 15° C / 5° G



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## 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>	16,2	17,7	16,6	18,0	18,3	19,9	21,3	20,2	21,6	22,0
<b>2H</b>	<b>3H</b>	16,7	18,0	17,1	18,4	18,7	20,5	21,9	20,9	22,2	22,5
<b>2H</b>	<b>4H</b>	16,9	18,1	17,3	18,5	18,9	20,8	22,0	21,2	22,4	22,7
<b>2H</b>	<b>6H</b>	17,0	18,2	17,4	18,6	18,9	21,0	22,1	21,4	22,5	22,9
<b>2H</b>	<b>8H</b>	17,0	18,1	17,4	18,5	18,9	21,0	22,1	21,4	22,5	22,9
<b>2H</b>	<b>12H</b>	17,0	18,1	17,4	18,5	18,9	21,0	22,1	21,4	22,5	22,9
<b>4H</b>	<b>2H</b>	16,7	17,9	17,1	18,3	18,6	19,9	21,1	20,3	21,5	21,8
<b>4H</b>	<b>3H</b>	17,3	18,4	17,7	18,8	19,2	20,6	21,7	21,1	22,1	22,5
<b>4H</b>	<b>4H</b>	17,6	18,6	18,1	19,0	19,4	21,0	21,9	21,4	22,3	22,8
<b>4H</b>	<b>6H</b>	17,8	18,6	18,3	19,1	19,5	21,2	22,0	21,7	22,5	22,9
<b>4H</b>	<b>8H</b>	17,8	18,6	18,3	19,1	19,5	21,3	22,1	21,8	22,5	23,0
<b>4H</b>	<b>12H</b>	17,9	18,6	18,4	19,0	19,5	21,4	22,1	21,8	22,5	23,0
<b>8H</b>	<b>4H</b>	17,8	18,5	18,2	19,0	19,4	20,9	21,7	21,4	22,2	22,6
<b>8H</b>	<b>6H</b>	18,0	18,6	18,5	19,1	19,6	21,2	21,8	21,7	22,3	22,8
<b>8H</b>	<b>8H</b>	18,1	18,7	18,6	19,2	19,7	21,4	21,9	21,9	22,4	22,9
<b>8H</b>	<b>12H</b>	18,2	18,6	18,7	19,1	19,7	21,4	21,9	22,0	22,4	22,9
<b>12H</b>	<b>4H</b>	17,8	18,5	18,2	18,9	19,4	20,9	21,6	21,4	22,1	22,6
<b>12H</b>	<b>6H</b>	18,0	18,6	18,6	19,1	19,6	21,2	21,8	21,7	22,3	22,8
<b>12H</b>	<b>8H</b>	18,1	18,6	18,7	19,1	19,6	21,3	21,8	21,9	22,3	22,8

UGR values are corrected for lamp flux of 8400 lm by 7,4

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Luminance [cd/m<sup>2</sup>] REBA 50 /E EXT LINE L1964 MID+INT ASYM K3 830 HO / Direct im  
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	4435,05	4549,17	4745,84	5366,30	6952,32	11460,4	20707,9	16954,7	13247,5
50,00	3788,32	3718,83	3937,64	4438,11	5755,46	8996,53	17130,0	13343,4	10146,1
55,00	3062,57	3007,69	3356,93	3705,00	4728,13	7100,92	14151,6	10118,2	7457,66
60,00	2458,96	2393,50	2821,04	3081,56	3844,24	5627,42	11553,2	7503,23	5396,05
65,00	1992,62	1933,49	2241,57	2449,83	3094,63	4307,57	9283,11	5442,50	3802,67
70,00	1582,23	1564,79	1724,53	1914,68	2386,54	3337,01	7474,55	3888,50	2616,88
75,00	1213,03	1176,26	1292,72	1429,93	1795,82	2602,14	6278,48	2767,36	1829,71
80,00	894,54	786,55	901,45	1000,45	1256,24	1884,44	5222,87	1896,07	1227,19
85,00	510,49	390,29	467,79	524,68	670,28	1021,00	3763,13	1047,86	670,28

G/C [cd/	135,00	150,00	165,00	180,00	195,00	210,00	225,00	240,00	255,00
45,00	10441,2	8967,65	7802,56	5435,33	7802,56	8967,65	10441,2	13247,5	16954,7
50,00	7966,08	5950,40	4799,89	3542,04	4799,89	5950,40	7966,08	10146,1	13343,4
55,00	5437,15	3974,88	3327,99	2652,79	3327,99	3974,88	5437,15	7457,66	10118,2
60,00	3741,89	2875,61	2471,72	1977,23	2471,72	2875,61	3741,89	5396,05	7503,23
65,00	2586,74	2084,19	1846,68	1463,67	1846,68	2084,19	2586,74	3802,67	5442,50
70,00	1818,94	1542,09	1396,28	1103,88	1396,28	1542,09	1818,94	2616,88	3888,50
75,00	1330,41	1167,48	1044,65	821,24	1044,65	1167,48	1330,41	1829,71	2767,36
80,00	928,99	808,52	693,02	505,61	693,02	808,52	928,99	1227,19	1896,07
85,00	524,68	472,66	416,90	291,71	416,90	472,66	524,68	670,28	1047,86

G/C [cd/	270,00	285,00	300,00	315,00	330,00	345,00
45,00	20707,9	11460,4	6952,32	5366,30	4745,84	4549,17
50,00	17130,0	8996,53	5755,46	4438,11	3937,64	3718,83
55,00	14151,6	7100,92	4728,13	3705,00	3356,93	3007,69
60,00	11553,2	5627,42	3844,24	3081,56	2821,04	2393,50
65,00	9283,11	4307,57	3094,63	2449,83	2241,57	1933,49
70,00	7474,55	3337,01	2386,54	1914,68	1724,53	1564,79
75,00	6278,48	2602,14	1795,82	1429,93	1292,72	1176,26
80,00	5222,87	1884,44	1256,24	1000,45	901,45	786,55
85,00	3763,13	1021,00	670,28	524,68	467,79	390,29

## 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