

## PHOTOMETRIC RESULTS

<b>Name:</b>	REBA 50 /T EXT LINE L2244 MID+INT ASYM 830 HO		
<b>Number:</b>	90507+90500L008	<b>Diameter:</b>	0 mm
<b>Report:</b>	23-01-2020	<b>Length:</b>	2244 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>	64,23 W
<b>Lamp flux:</b>	9600,00 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°	

## PHOTOMETRIC RESULTS

Name:	REBA 50 /T EXT LINE L2244 MID+INT ASYM 830 HO		
Number:	90507+90500L008	Diameter:	0 mm
Report:	23-01-2020	Length:	2244 mm
Meas.-no.:	01	Width:	70 mm
Lamp type:	LED 830 - 01	Height:	114 mm
Number:	01	Power:	64,23 W
Lamp flux:	9600,00 lm	Operator:	INDEL AGUE GROUP
Date:	23-01-2020 15:43:22	Output ratio:	56,7 %

Polar diagram REBA 50 /T EXT LINE L2244 MID+INT ASYM 830 HO / Direct in 15° C // 5° G



## PHOTOMETRIC RESULTS

<b>Name:</b>	<b>REBA 50 /T EXT LINE L2244 MID+INT ASYM 830 HO</b>		
<b>Number:</b>	90507+90500L008	<b>Diameter:</b>	0 mm
<b>Report:</b>	23-01-2020	<b>Length:</b>	2244 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>	64,23 W
<b>Lamp flux:</b>	9600,00 lm	<b>Operator:</b>	INDEL AGUE GROUP
<b>Date:</b>	23-01-2020 15:43:22	<b>Output ratio:</b>	56,7 %

## 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>	15,1	16,6	15,5	16,9	17,2	19,3	20,8	19,6	21,1	21,4
<b>2H</b>	<b>3H</b>	15,6	16,9	16,0	17,3	17,6	19,9	21,3	20,3	21,6	21,9
<b>2H</b>	<b>4H</b>	15,8	17,0	16,2	17,4	17,7	20,2	21,4	20,6	21,8	22,1
<b>2H</b>	<b>6H</b>	15,9	17,0	16,3	17,4	17,8	20,4	21,5	20,8	21,9	22,3
<b>2H</b>	<b>8H</b>	15,9	17,0	16,3	17,4	17,8	20,4	21,5	20,8	21,9	22,3
<b>2H</b>	<b>12H</b>	15,9	16,9	16,3	17,3	17,7	20,4	21,5	20,8	21,8	22,3
<b>4H</b>	<b>2H</b>	15,6	16,9	16,0	17,2	17,6	19,3	20,5	19,7	20,9	21,2
<b>4H</b>	<b>3H</b>	16,2	17,3	16,6	17,6	18,0	20,0	21,0	20,4	21,4	21,8
<b>4H</b>	<b>4H</b>	16,5	17,4	16,9	17,8	18,3	20,3	21,3	20,8	21,7	22,1
<b>4H</b>	<b>6H</b>	16,6	17,4	17,1	17,9	18,3	20,5	21,4	21,0	21,8	22,2
<b>4H</b>	<b>8H</b>	16,7	17,4	17,1	17,9	18,3	20,6	21,4	21,1	21,8	22,3
<b>4H</b>	<b>12H</b>	16,7	17,4	17,2	17,8	18,3	20,7	21,4	21,1	21,8	22,3
<b>8H</b>	<b>4H</b>	16,6	17,4	17,1	17,8	18,3	20,3	21,0	20,7	21,5	21,9
<b>8H</b>	<b>6H</b>	16,8	17,4	17,3	17,9	18,4	20,5	21,1	21,0	21,6	22,1
<b>8H</b>	<b>8H</b>	16,9	17,5	17,4	18,0	18,5	20,6	21,2	21,2	21,7	22,2
<b>8H</b>	<b>12H</b>	17,0	17,4	17,5	17,9	18,4	20,7	21,2	21,2	21,7	22,2
<b>12H</b>	<b>4H</b>	16,6	17,3	17,1	17,7	18,3	20,3	21,0	20,7	21,4	21,9
<b>12H</b>	<b>6H</b>	16,9	17,4	17,4	17,9	18,4	20,5	21,1	21,0	21,6	22,1
<b>12H</b>	<b>8H</b>	17,0	17,4	17,5	17,9	18,4	20,6	21,1	21,1	21,6	22,1

UGR values are corrected for lamp flux of 9600 lm by 7,9

## PHOTOMETRIC RESULTS

<b>Name:</b>	<b>REBA 50 /T EXT LINE L2244 MID+INT ASYM 830 HO</b>		
<b>Number:</b>	90507+90500L008	<b>Diameter:</b>	0 mm
<b>Report:</b>	23-01-2020	<b>Length:</b>	2244 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>	64,23 W
<b>Lamp flux:</b>	9600,00 lm	<b>Operator:</b>	INDEL AGUE GROUP
<b>Date:</b>	23-01-2020 15:43:22	<b>Output ratio:</b>	56,7 %

Luminance [cd/m<sup>2</sup>] REBA 50 /T EXT LINE L2244 MID+INT ASYM 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	3271,68	3367,53	3552,98	4105,57	5526,28	9768,26	20434,4	14451,3	10530,2
50,00	2746,35	2704,95	2894,97	3331,52	4485,30	7528,19	16862,0	11165,6	7907,04
55,00	2183,37	2151,00	2425,00	2729,59	3611,54	5826,03	13888,7	8301,63	5696,46
60,00	1724,64	1683,66	2002,85	2228,11	2876,37	4519,04	11295,9	6025,39	4037,48
65,00	1375,11	1337,90	1564,05	1737,89	2265,98	3377,61	9031,53	4267,52	2784,43
70,00	1074,22	1064,96	1182,24	1331,78	1707,76	2546,58	7221,53	2967,44	1872,58
75,00	809,93	787,03	870,20	974,26	1253,41	1923,96	6001,45	2046,12	1277,05
80,00	587,02	517,04	595,31	666,76	852,96	1341,34	4898,91	1349,62	833,23
85,00	328,91	251,79	302,67	341,39	441,15	693,12	3379,16	711,36	441,15

G/C [cd/	135,00	150,00	165,00	180,00	195,00	210,00	225,00	240,00	255,00
45,00	7988,24	6713,65	5775,86	4009,57	5775,86	6713,65	7988,24	10530,2	14451,3
50,00	5979,83	4374,76	3491,27	2567,81	3491,27	4374,76	5979,83	7907,04	11165,6
55,00	4005,72	2871,40	2380,06	1891,23	2380,06	2871,40	4005,72	5696,46	8301,63
60,00	2705,56	2041,59	1738,68	1386,77	1738,68	2041,59	2705,56	4037,48	6025,39
65,00	1835,02	1454,24	1277,83	1010,08	1277,83	1454,24	1835,02	2784,43	4267,52
70,00	1265,19	1057,16	950,27	749,46	950,27	1057,16	1265,19	1872,58	2967,44
75,00	906,45	785,89	698,97	548,34	698,97	785,89	906,45	1277,05	2046,12
80,00	619,14	533,93	455,56	331,79	455,56	533,93	619,14	833,23	1349,62
85,00	341,39	305,82	268,96	187,95	268,96	305,82	341,39	441,15	711,36

G/C [cd/	270,00	285,00	300,00	315,00	330,00	345,00
45,00	20434,4	9768,26	5526,28	4105,57	3552,98	3367,53
50,00	16862,0	7528,19	4485,30	3331,52	2894,97	2704,95
55,00	13888,7	5826,03	3611,54	2729,59	2425,00	2151,00
60,00	11295,9	4519,04	2876,37	2228,11	2002,85	1683,66
65,00	9031,53	3377,61	2265,98	1737,89	1564,05	1337,90
70,00	7221,53	2546,58	1707,76	1331,78	1182,24	1064,96
75,00	6001,45	1923,96	1253,41	974,26	870,20	787,03
80,00	4898,91	1341,34	852,96	666,76	595,31	517,04
85,00	3379,16	693,12	441,15	341,39	302,67	251,79

## 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