

## PHOTOMETRIC RESULTS

Name:	REBA 50 /T EXT LINE L1140 SRT/END+INT SYM BLINE 840 HO		
Number:	90507-83+90497L004	Diameter:	0 mm
Report:	24-01-2020	Length:	1140 mm
Meas.-no.:	01	Width:	70 mm
Lamp type:	LED 840 - 01	Height:	114 mm
Number:	01	Power:	28,70 W
Lamp flux:	4720,00 lm	Operator:	INDEL AGUE GROUP
Date:	24-01-2020 12:31:16	Output ratio:	62,6 %

## Protocol

LiTG-class: A40  
UTE-class: 0,63 E  
IES-class: 50 - 80 - 95 - 100 - 63  
TM5-class: BZ5/0.75/BZ4

Divergences in the plane through maximum intensity:	Horizontal	Vertical
One half peak divergence	102,2°	100,4°
Half peak side angle (left)	-51,1°	-50,2°
Half peak side angle (right)	51,1°	50,2°
One tenth peak divergence	157,2°	160,5°
Tenth peak side angle (left)	-78,6°	-80,3°
Tenth peak side angle (right)	78,6°	80,3°

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°	

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Polar diagram REBA 50 /T EXT LINE L1140 SRT/END+INT SYM BLINE 840 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>		Viewed crosswise					Viewed endwise				
<b>2H</b>	<b>2H</b>	17,1	18,7	17,5	19,0	19,4	19,7	21,3	20,0	21,6	21,9
<b>2H</b>	<b>3H</b>	18,1	19,5	18,4	19,9	20,2	21,0	22,5	21,4	22,8	23,2
<b>2H</b>	<b>4H</b>	18,4	19,8	18,8	20,1	20,5	21,5	22,9	21,9	23,3	23,6
<b>2H</b>	<b>6H</b>	18,6	19,9	19,0	20,2	20,6	21,9	23,2	22,3	23,5	23,9
<b>2H</b>	<b>8H</b>	18,6	19,8	19,0	20,2	20,6	21,9	23,2	22,3	23,5	23,9
<b>2H</b>	<b>12H</b>	18,6	19,8	19,0	20,2	20,6	21,9	23,1	22,4	23,5	23,9
<b>4H</b>	<b>2H</b>	17,8	19,2	18,2	19,5	19,9	19,9	21,3	20,3	21,6	22,0
<b>4H</b>	<b>3H</b>	18,8	20,0	19,3	20,4	20,8	21,4	22,5	21,8	22,9	23,3
<b>4H</b>	<b>4H</b>	19,3	20,3	19,7	20,8	21,2	22,0	23,0	22,4	23,4	23,9
<b>4H</b>	<b>6H</b>	19,5	20,5	20,0	20,9	21,3	22,3	23,3	22,8	23,7	24,1
<b>4H</b>	<b>8H</b>	19,6	20,5	20,1	20,9	21,4	22,4	23,3	22,9	23,8	24,2
<b>4H</b>	<b>12H</b>	19,7	20,5	20,1	20,9	21,4	22,5	23,3	23,0	23,8	24,3
<b>8H</b>	<b>4H</b>	19,5	20,4	20,0	20,8	21,3	22,0	22,9	22,5	23,3	23,8
<b>8H</b>	<b>6H</b>	19,8	20,5	20,3	21,0	21,5	22,4	23,1	22,9	23,6	24,1
<b>8H</b>	<b>8H</b>	20,0	20,6	20,5	21,1	21,6	22,6	23,2	23,1	23,7	24,2
<b>8H</b>	<b>12H</b>	20,0	20,6	20,5	21,1	21,6	22,7	23,2	23,2	23,7	24,2
<b>12H</b>	<b>4H</b>	19,5	20,3	20,0	20,7	21,2	22,0	22,8	22,5	23,2	23,7
<b>12H</b>	<b>6H</b>	19,9	20,5	20,4	21,0	21,5	22,4	23,1	22,9	23,6	24,1
<b>12H</b>	<b>8H</b>	20,0	20,5	20,5	21,1	21,6	22,6	23,1	23,1	23,6	24,1

UGR values are corrected for lamp flux of 4720 lm by 5,4

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<b>Number:</b>	01	<b>Power:</b>	28,70 W
<b>Lamp flux:</b>	4720,00 lm	<b>Operator:</b>	INDEL AGUE GROUP
<b>Date:</b>	24-01-2020 12:31:16	<b>Output ratio:</b>	62,6 %

Luminance [cd/m<sup>2</sup>] REBA 50 /T EXT LINE L1140 SRT/END+INT SYM BLINE 840 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	5238,90	5335,83	5738,12	6543,47	7996,72	10738,4	16980,1	10738,4	7996,72
50,00	4437,24	4525,74	4884,12	5606,96	6946,07	9564,44	16064,9	9564,44	6946,07
55,00	3715,49	3791,61	4107,07	4752,72	5947,79	8403,34	15072,9	8403,34	5947,79
60,00	3065,33	3121,65	3394,10	3939,49	4988,97	7214,87	13996,7	7214,87	4988,97
65,00	2451,65	2502,10	2721,58	3172,29	4062,24	5998,80	12732,1	5998,80	4062,24
70,00	1879,76	1922,98	2086,17	2438,51	3138,32	4744,88	11222,7	4744,88	3138,32
75,00	1351,53	1377,38	1495,91	1735,00	2244,58	3436,95	9207,30	3436,95	2244,58
80,00	878,49	888,50	958,31	1090,49	1402,33	2135,41	6711,69	2135,41	1402,33
85,00	475,38	476,77	507,50	548,30	670,35	968,32	3723,56	968,32	670,35

G/C [cd/	135,00	150,00	165,00	180,00	195,00	210,00	225,00	240,00	255,00
45,00	6543,47	5738,12	5335,83	5238,90	5335,83	5738,12	6543,47	7996,72	10738,4
50,00	5606,96	4884,12	4525,74	4437,24	4525,74	4884,12	5606,96	6946,07	9564,44
55,00	4752,72	4107,07	3791,61	3715,49	3791,61	4107,07	4752,72	5947,79	8403,34
60,00	3939,49	3394,10	3121,65	3065,33	3121,65	3394,10	3939,49	4988,97	7214,87
65,00	3172,29	2721,58	2502,10	2451,65	2502,10	2721,58	3172,29	4062,24	5998,80
70,00	2438,51	2086,17	1922,98	1879,76	1922,98	2086,17	2438,51	3138,32	4744,88
75,00	1735,00	1495,91	1377,38	1351,53	1377,38	1495,91	1735,00	2244,58	3436,95
80,00	1090,49	958,31	888,50	878,49	888,50	958,31	1090,49	1402,33	2135,41
85,00	548,30	507,50	476,77	475,38	476,77	507,50	548,30	670,35	968,32

G/C [cd/	270,00	285,00	300,00	315,00	330,00	345,00
45,00	16980,1	10738,4	7996,72	6543,47	5738,12	5335,83
50,00	16064,9	9564,44	6946,07	5606,96	4884,12	4525,74
55,00	15072,9	8403,34	5947,79	4752,72	4107,07	3791,61
60,00	13996,7	7214,87	4988,97	3939,49	3394,10	3121,65
65,00	12732,1	5998,80	4062,24	3172,29	2721,58	2502,10
70,00	11222,7	4744,88	3138,32	2438,51	2086,17	1922,98
75,00	9207,30	3436,95	2244,58	1735,00	1495,91	1377,38
80,00	6711,69	2135,41	1402,33	1090,49	958,31	888,50
85,00	3723,56	968,32	670,35	548,30	507,50	476,77

## 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