

PHOTOMETRIC RESULTS

Name:	REBA LED Line 30W bGLARE [1122mm]		
Number:	01	Diameter:	0 mm
Report:	08-02-2018	Length:	1122 mm
Meas.-no.:	01	Width:	50 mm
Lamp type:	LED 840 - 01	Height:	70 mm
Number:	1	Power:	30,48 W
Lamp flux:	4052,00 lm	Operator:	INDEL AGUE GROUP
Date:	08-02-2018 15:50:50	Output ratio:	61,1 %

Protocol

LiTG-class: A50
UTE-class: 0,61 C
IES-class: 65 - 90 - 98 - 100 - 61
TM5-class: B22

Divergences in the plane through maximum intensity:

	Horizontal	Vertical
One half peak divergence	75,5°	75,7°
Half peak side angle (left)	-37,8°	-37,9°
Half peak side angle (right)	37,8°	37,9°
One tenth peak divergence	128,6°	131,0°
Tenth peak side angle (left)	-64,3°	-65,5°
Tenth peak side angle (right)	64,3°	65,5°

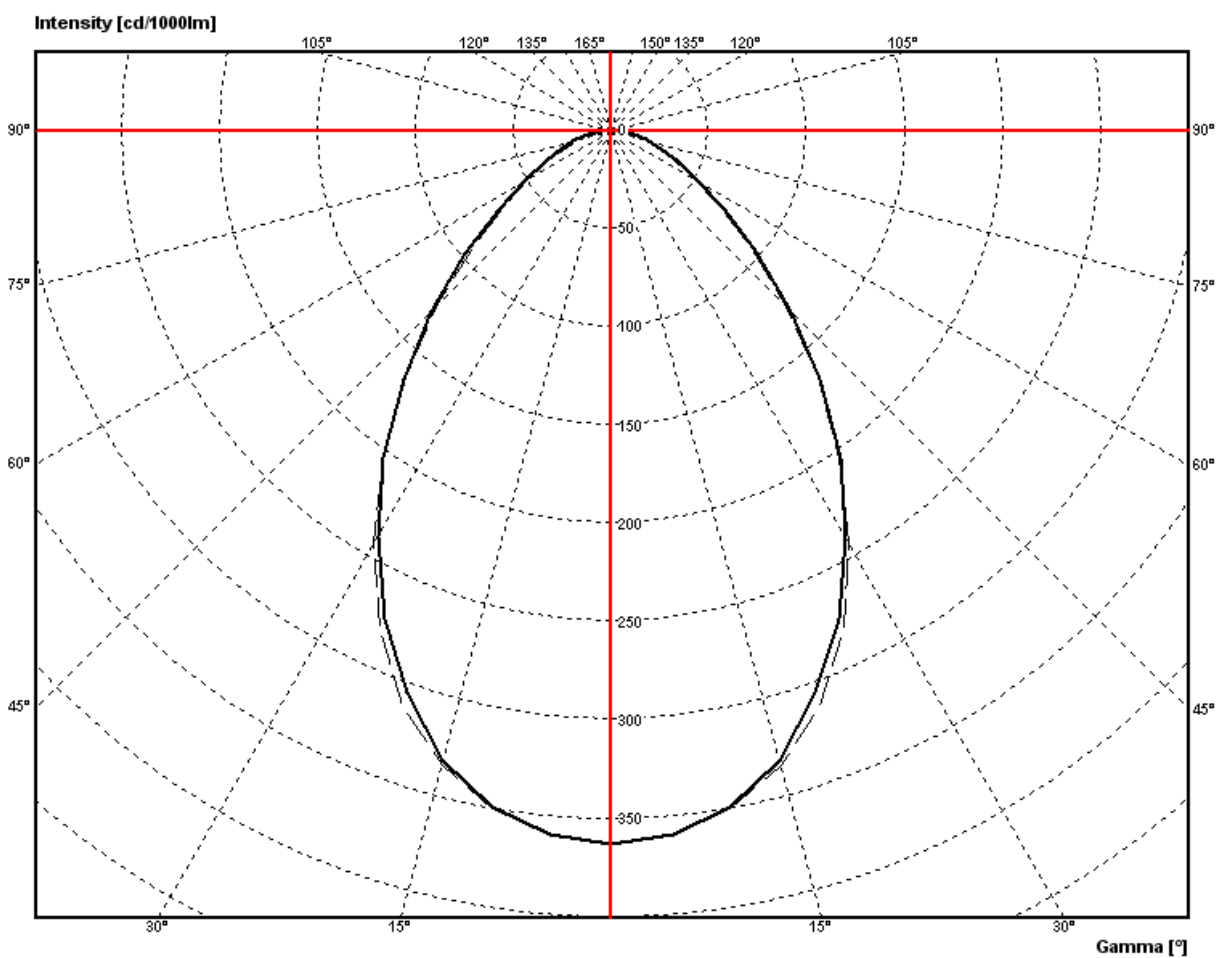
C-planes:	0,0°	15,0°	30,0°	45,0°	60,0°	75,0°	90,0°	105,0°	120,0°	135,0°
	150,0°	165,0°	180,0°	195,0°	210,0°	225,0°	240,0°	255,0°	270,0°	285,0°
	300,0°	315,0°	330,0°	345,0°						

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°	

PHOTOMETRIC RESULTS

Name:	REBA LED Line 30W bGLARE [1122mm]		
Number:	01	Diameter:	0 mm
Report:	08-02-2018	Length:	1122 mm
Meas.-no.:	01	Width:	50 mm
Lamp type:	LED 840 - 01	Height:	70 mm
Number:	1	Power:	30,48 W
Lamp flux:	4052,00 lm	Operator:	INDELAGUE GROUP
Date:	08-02-2018 15:50:50	Output ratio:	61,1 %

Polar diagram REBA LED Line 30W bGLARE [1122mm] / Direct in 15° C / 5° G



PHOTOMETRIC RESULTS

Name:	REBA LED Line 30W bGLARE [1122mm]		
Number:	01	Diameter:	0 mm
Report:	08-02-2018	Length:	1122 mm
Meas.-no.:	01	Width:	50 mm
Lamp type:	LED 840 - 01	Height:	70 mm
Number:	1	Power:	30,48 W
Lamp flux:	4052,00 lm	Operator:	INDEL AGUE GROUP
Date:	08-02-2018 15:50:50	Output ratio:	61,1 %

UGR Unified Glare Ratios

Ceiling reflectance		0,7	0,7	0,5	0,5	0,3	0,7	0,7	0,5	0,5	0,3
Wall reflectance		0,5	0,3	0,5	0,3	0,3	0,5	0,3	0,5	0,3	0,3
Floor cavity reflectance		0,2	0,2	0,2	0,2	0,2	0,2	0,2	0,2	0,2	0,2
Room dimension		Viewed crosswise					Viewed endwise				
2H	2H	16,3	17,7	16,7	18,0	18,3	17,9	19,3	18,2	19,6	19,9
2H	3H	16,7	17,9	17,0	18,3	18,6	18,4	19,7	18,8	20,0	20,4
2H	4H	16,8	18,0	17,2	18,3	18,7	18,7	19,9	19,1	20,2	20,6
2H	6H	16,9	18,0	17,3	18,3	18,7	18,9	20,0	19,3	20,3	20,7
2H	8H	16,8	17,9	17,3	18,3	18,7	18,9	20,0	19,3	20,3	20,7
2H	12H	16,8	17,8	17,2	18,2	18,6	18,9	19,9	19,3	20,3	20,7
4H	2H	16,6	17,7	16,9	18,1	18,5	17,9	19,1	18,3	19,5	19,8
4H	3H	17,0	18,0	17,4	18,4	18,8	18,6	19,6	19,0	20,0	20,4
4H	4H	17,3	18,1	17,7	18,6	19,0	18,9	19,8	19,4	20,2	20,7
4H	6H	17,3	18,1	17,8	18,6	19,0	19,2	19,9	19,6	20,4	20,8
4H	8H	17,4	18,1	17,8	18,5	19,0	19,2	20,0	19,7	20,4	20,9
4H	12H	17,4	18,0	17,9	18,5	19,0	19,3	20,0	19,8	20,4	20,9
8H	4H	17,3	18,0	17,8	18,5	18,9	18,9	19,6	19,4	20,1	20,5
8H	6H	17,4	18,0	17,9	18,5	19,0	19,1	19,7	19,6	20,2	20,7
8H	8H	17,5	18,0	18,0	18,5	19,0	19,3	19,8	19,8	20,3	20,8
8H	12H	17,5	18,0	18,0	18,5	19,0	19,4	19,8	19,9	20,3	20,8
12H	4H	17,3	17,9	17,8	18,4	18,9	18,9	19,5	19,4	20,0	20,5
12H	6H	17,5	18,0	18,0	18,5	19,0	19,2	19,7	19,7	20,2	20,7
12H	8H	17,5	17,9	18,0	18,5	19,0	19,3	19,7	19,8	20,2	20,7

UGR values are corrected for lamp flux of 4052 lm by 4,9

PHOTOMETRIC RESULTS

Name:	REBA LED Line 30W bGLARE [1122mm]		
Number:	01	Diameter:	0 mm
Report:	08-02-2018	Length:	1122 mm
Meas.-no.:	01	Width:	50 mm
Lamp type:	LED 840 - 01	Height:	70 mm
Number:	1	Power:	30,48 W
Lamp flux:	4052,00 lm	Operator:	INDEL AGUE GROUP
Date:	08-02-2018 15:50:50	Output ratio:	61,1 %

Luminance [cd/m²] REBA LED Line 30W bGLARE [1122mm] / 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	5700,32	5797,96	6281,58	6993,14	8005,71	9702,01	13201,0	9702,01	8005,71
50,00	4207,89	4313,74	4662,50	5214,38	6032,62	7423,22	10503,7	7423,22	6032,62
55,00	3030,45	3096,83	3444,49	3836,39	4443,74	5584,47	8355,31	5584,47	4443,74
60,00	2201,35	2216,34	2511,68	2789,32	3258,51	4226,69	6836,13	4226,69	3258,51
65,00	1625,03	1614,44	1790,72	2013,79	2392,12	3203,14	5627,95	3203,14	2392,12
70,00	1193,16	1208,36	1312,98	1461,72	1803,52	2470,90	4693,24	2470,90	1803,52
75,00	841,08	870,69	935,66	1043,55	1324,61	1922,72	4110,37	1922,72	1324,61
80,00	550,39	551,67	616,65	668,54	881,07	1357,36	3444,14	1357,36	881,07
85,00	266,27	268,87	308,46	328,32	428,11	688,00	2464,96	688,00	428,11

G/C [cd/	135,00	150,00	165,00	180,00	195,00	210,00	225,00	240,00	255,00
45,00	6993,14	6281,58	5797,96	5700,32	5797,96	6281,58	6993,14	8005,71	9702,01
50,00	5214,38	4662,50	4313,74	4207,89	4313,74	4662,50	5214,38	6032,62	7423,22
55,00	3836,39	3444,49	3096,83	3030,45	3096,83	3444,49	3836,39	4443,74	5584,47
60,00	2789,32	2511,68	2216,34	2201,35	2216,34	2511,68	2789,32	3258,51	4226,69
65,00	2013,79	1790,72	1614,44	1625,03	1614,44	1790,72	2013,79	2392,12	3203,14
70,00	1461,72	1312,98	1208,36	1193,16	1208,36	1312,98	1461,72	1803,52	2470,90
75,00	1043,55	935,66	870,69	841,08	870,69	935,66	1043,55	1324,61	1922,72
80,00	668,54	616,65	551,67	550,39	551,67	616,65	668,54	881,07	1357,36
85,00	328,32	308,46	268,87	266,27	268,87	308,46	328,32	428,11	688,00

G/C [cd/	270,00	285,00	300,00	315,00	330,00	345,00
45,00	13201,0	9702,01	8005,71	6993,14	6281,58	5797,96
50,00	10503,7	7423,22	6032,62	5214,38	4662,50	4313,74
55,00	8355,31	5584,47	4443,74	3836,39	3444,49	3096,83
60,00	6836,13	4226,69	3258,51	2789,32	2511,68	2216,34
65,00	5627,95	3203,14	2392,12	2013,79	1790,72	1614,44
70,00	4693,24	2470,90	1803,52	1461,72	1312,98	1208,36
75,00	4110,37	1922,72	1324,61	1043,55	935,66	870,69
80,00	3444,14	1357,36	881,07	668,54	616,65	551,67
85,00	2464,96	688,00	428,11	328,32	308,46	268,87

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