

PHOTOMETRIC RESULTS

Name:	ROFY /E LED 36W gCONTROL+ [Ø400mm]		
Number:	01	Diameter:	400 mm
Report:	15-02-2017	Length:	0 mm
Meas.-no.:	01	Width:	0 mm
Lamp type:	LED 840 - 01	Height:	92 mm
Number:	1	Power:	36,42 W
Lamp flux:	4090,00 lm	Operator:	INDELAGUE GROUP
Date:	15-02-2017 12:15:39	Output ratio:	70,5 %

Protocol

LiTG-class: A40
UTE-class: 0,71 D
IES-class: 58 - 88 - 98 - 100 - 71
TM5-class: BZ3

Divergences in the plane through maximum intensity:

	Horizontal	Vertical
One half peak divergence	93,9°	93,8°
Half peak side angle (left)	-46,9°	-46,9°
Half peak side angle (right)	46,9°	46,9°
One tenth peak divergence	142,3°	141,5°
Tenth peak side angle (left)	-71,2°	-70,8°
Tenth peak side angle (right)	71,2°	70,8°

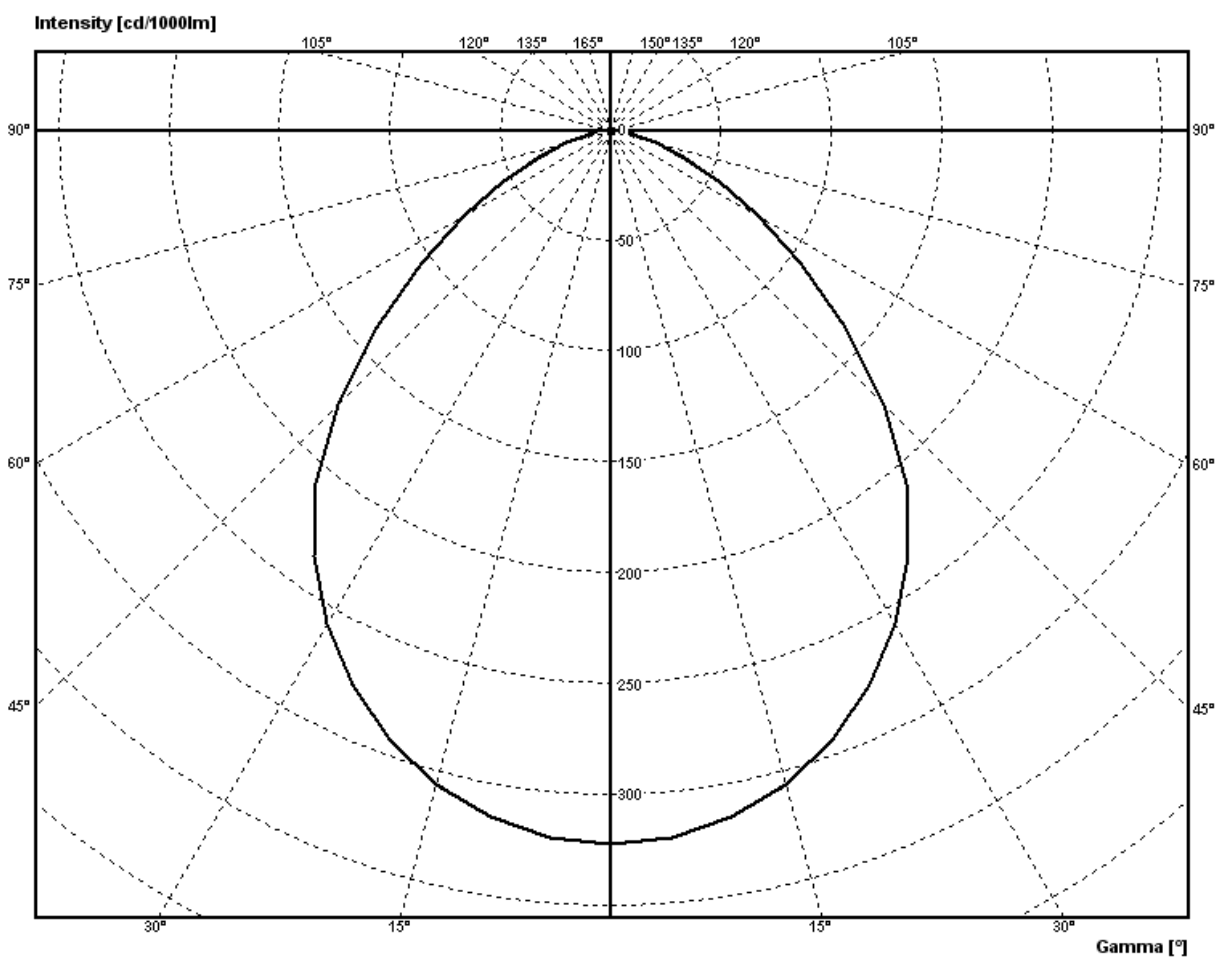
C-planes:	0,0°	15,0°	30,0°	45,0°	60,0°	75,0°	90,0°	105,0°	120,0°	135,0°
	150,0°	165,0°	180,0°	195,0°	210,0°	225,0°	240,0°	255,0°	270,0°	285,0°
	300,0°	315,0°	330,0°	345,0°						

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:	ROFY /E LED 36W gCONTROL+ [Ø400mm]		
Number:	01	Diameter:	400 mm
Report:	15-02-2017	Length:	0 mm
Meas.-no.:	01	Width:	0 mm
Lamp type:	LED 840 - 01	Height:	92 mm
Number:	1	Power:	36,42 W
Lamp flux:	4090,00 lm	Operator:	INDELAGUE GROUP
Date:	15-02-2017 12:15:39	Output ratio:	70,5 %

Polar diagram ROFY /E LED 36W gCONTROL+ [Ø400mm] / Direct in 15° C / 5° G



PHOTOMETRIC RESULTS

Name:	ROFY /E LED 36W gCONTROL+ [Ø400mm]		
Number:	01	Diameter:	400 mm
Report:	15-02-2017	Length:	0 mm
Meas.-no.:	01	Width:	0 mm
Lamp type:	LED 840 - 01	Height:	92 mm
Number:	1	Power:	36,42 W
Lamp flux:	4090,00 lm	Operator:	INDEL AGUE GROUP
Date:	15-02-2017 12:15:39	Output ratio:	70,5 %

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	17,6	19,1	18,0	19,4	19,7	17,6	19,1	18,0	19,4	19,7
2H	3H	18,1	19,5	18,5	19,8	20,2	18,2	19,5	18,6	19,9	20,2
2H	4H	18,3	19,6	18,7	19,9	20,3	18,3	19,6	18,7	19,9	20,3
2H	6H	18,4	19,5	18,8	19,9	20,3	18,4	19,6	18,8	19,9	20,3
2H	8H	18,4	19,5	18,8	19,8	20,2	18,4	19,5	18,8	19,9	20,3
2H	12H	18,3	19,4	18,7	19,8	20,2	18,4	19,4	18,8	19,8	20,2
4H	2H	17,9	19,2	18,3	19,5	19,9	17,9	19,2	18,3	19,5	19,9
4H	3H	18,5	19,6	19,0	20,0	20,4	18,6	19,6	19,0	20,0	20,4
4H	4H	18,8	19,7	19,2	20,1	20,6	18,8	19,7	19,2	20,2	20,6
4H	6H	18,9	19,7	19,3	20,1	20,6	18,9	19,7	19,4	20,2	20,6
4H	8H	18,9	19,6	19,4	20,1	20,6	18,9	19,7	19,4	20,1	20,6
4H	12H	18,9	19,6	19,4	20,1	20,6	18,9	19,7	19,4	20,1	20,6
8H	4H	18,8	19,5	19,2	20,0	20,5	18,8	19,6	19,3	20,0	20,5
8H	6H	18,9	19,5	19,4	20,0	20,5	18,9	19,6	19,4	20,0	20,5
8H	8H	19,0	19,5	19,5	20,1	20,5	19,0	19,6	19,5	20,1	20,6
8H	12H	19,0	19,5	19,5	20,0	20,5	19,1	19,5	19,6	20,0	20,5
12H	4H	18,8	19,5	19,2	19,9	20,4	18,8	19,5	19,3	20,0	20,5
12H	6H	18,9	19,5	19,4	20,0	20,5	19,0	19,5	19,5	20,0	20,5
12H	8H	19,0	19,4	19,5	20,0	20,5	19,0	19,5	19,5	20,0	20,5

UGR values are corrected for lamp flux of 4090 lm by 4,9

PHOTOMETRIC RESULTS

Name:	ROFY /E LED 36W gCONTROL+ [Ø400mm]		
Number:	01	Diameter:	400 mm
Report:	15-02-2017	Length:	0 mm
Meas.-no.:	01	Width:	0 mm
Lamp type:	LED 840 - 01	Height:	92 mm
Number:	1	Power:	36,42 W
Lamp flux:	4090,00 lm	Operator:	INDEL AGUE GROUP
Date:	15-02-2017 12:15:39	Output ratio:	70,5 %

Luminance [cd/m²] ROFY /E LED 36W gCONTROL+ [Ø400mm] / Direct in 15° C / 5° 

G/C [cd/	0,00	15,00	30,00	45,00	60,00	75,00	90,00	105,00	120,00
45,00	9932,74	9951,40	9958,81	9967,97	9947,24	9942,23	9925,64	9942,23	9947,24
50,00	8637,10	8633,75	8686,15	8702,69	8645,84	8640,93	8690,71	8640,93	8645,84
55,00	7314,04	7360,87	7386,46	7361,90	7384,42	7370,65	7372,58	7370,65	7384,42
60,00	6150,64	6216,04	6244,81	6248,31	6278,63	6263,41	6244,69	6263,41	6278,63
65,00	5075,37	5115,44	5181,00	5206,35	5191,74	5174,33	5195,76	5174,33	5191,74
70,00	4016,07	4124,70	4160,50	4118,67	4187,49	4141,75	4167,64	4141,75	4187,49
75,00	3241,77	3203,57	3256,83	3274,77	3297,88	3244,58	3317,55	3244,58	3297,88
80,00	2786,07	2743,83	2793,39	2830,97	2765,54	2764,81	2853,49	2764,81	2765,54
85,00	3066,60	2937,66	2938,44	3014,69	2881,57	2919,74	3154,15	2919,74	2881,57

G/C [cd/	135,00	150,00	165,00	180,00	195,00	210,00	225,00	240,00	255,00
45,00	9967,97	9958,81	9951,40	9932,74	9951,40	9958,81	9967,97	9947,24	9942,23
50,00	8702,69	8686,15	8633,75	8637,10	8633,75	8686,15	8702,69	8645,84	8640,93
55,00	7361,90	7386,46	7360,87	7314,04	7360,87	7386,46	7361,90	7384,42	7370,65
60,00	6248,31	6244,81	6216,04	6150,64	6216,04	6244,81	6248,31	6278,63	6263,41
65,00	5206,35	5181,00	5115,44	5075,37	5115,44	5181,00	5206,35	5191,74	5174,33
70,00	4118,67	4160,50	4124,70	4016,07	4124,70	4160,50	4118,67	4187,49	4141,75
75,00	3274,77	3256,83	3203,57	3241,77	3203,57	3256,83	3274,77	3297,88	3244,58
80,00	2830,97	2793,39	2743,83	2786,07	2743,83	2793,39	2830,97	2765,54	2764,81
85,00	3014,69	2938,44	2937,66	3066,60	2937,66	2938,44	3014,69	2881,57	2919,74

G/C [cd/	270,00	285,00	300,00	315,00	330,00	345,00
45,00	9925,64	9942,23	9947,24	9967,97	9958,81	9951,40
50,00	8690,71	8640,93	8645,84	8702,69	8686,15	8633,75
55,00	7372,58	7370,65	7384,42	7361,90	7386,46	7360,87
60,00	6244,69	6263,41	6278,63	6248,31	6244,81	6216,04
65,00	5195,76	5174,33	5191,74	5206,35	5181,00	5115,44
70,00	4167,64	4141,75	4187,49	4118,67	4160,50	4124,70
75,00	3317,55	3244,58	3297,88	3274,77	3256,83	3203,57
80,00	2853,49	2764,81	2765,54	2830,97	2793,39	2743,83
85,00	3154,15	2919,74	2881,57	3014,69	2938,44	2937,66

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