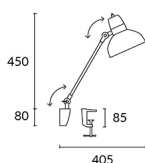


## FLEX

Carlos Santolaria & Manel Llusçà




## 05-1530-21-05

Wall fixture FLEX E27 60W Chrome 460lm



### TECHNICAL FEATURES

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IP20    $\pm 90^\circ$    $\pm 180^\circ$

Power (W) : Max. power 60W

Real lumens : 460

Real lm/W : 8

Structure material : Steel

Structure finish : Chrome

Recommended light bulb : E27

Voltage / frequency : 220-240VAC/50-60Hz

Warranty : 2 Years

Max. temperature : 25°C

Energy efficiency : Light bulb not included

### LUMINOTECHNIC FEATURES

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Lampholder: 1 x E27

### LOGISTICS

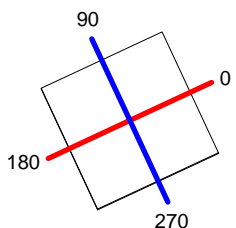
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 36 Un

<b>Luminaire</b>		<b>Measur.</b>		<b>Lamp</b>		
Code	05-1530	Code	05-1530	Code	INCANDESCENT	
Name	DESK LAMP	Name	DESK LAMP	Number	1	
Line	Eulumdat	Date	16-11-2013	Position		
Efficiency	64.77%	Coordinate system	CG	Total Flux	710.00 lm	
Maximum value	170.12 cd	Position	C=270.00 G=2.00	Asymmetrical		
Rectangular Luminaire	Length	180 mm	Width	180 mm	Height	1 mm
Rectangular Luminous Area	Length	180 mm	Width	180 mm	Height	0 mm
Horizontal Luminous Area	0.032400 m2	Emitting area on Plane 180°		0.000000 m2		
Emitting area on Plane 0°	0.000000 m2	Emitting area on Plane 270°		0.000000 m2		
Emitting area on Plane 90°	0.000000 m2	Glare area at 76°		0.007838 m2		
Symmetry Type	Asymmetrical	Maximum Gamma Angle		90		
Measurement Distance	0.00	Measurement Flux		710.00 lm		
Operator		Source voltage				
Temperature	25.00 °C	Source current				
Humidity	60.00 %	Photocell				
Notes						

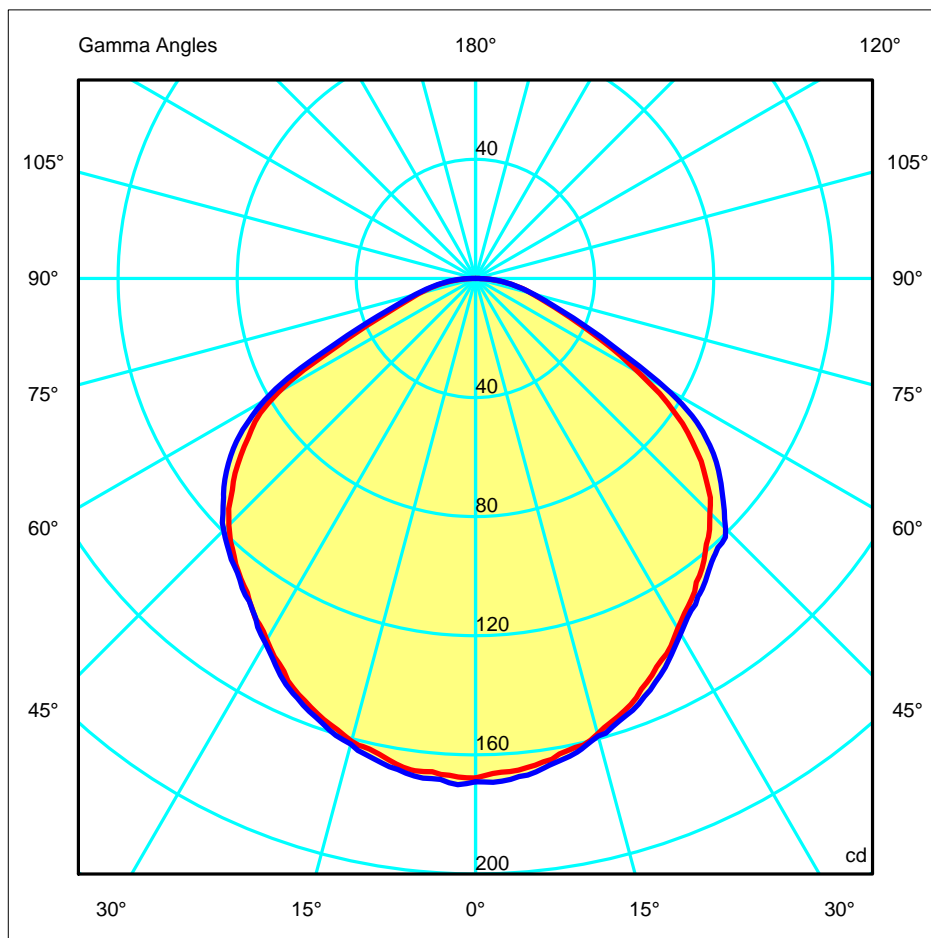
Luminaire Lamps					
Line	Code	Name	Flux [lm]	Pow. [W]	Q.ty
Eulumdat	INCANDESCENT	INCANDESCENT - 57.40 W	710.00	57.40	1
C.I.E.	48 83 97 100 65	D DIN 5040		A30	
F UTE	0.65 E	B NBN		BZ 4	

180mm x 180mm



C Halfplanes  
 180.0 ——— 0.0  
 270.0 ——— 90.0

ULOR 0.00 %  
 DLOR 64.77 %  
 RN 0.00 %



**Luminaire**

Code 05-1530  
 Name DESK LAMP  
 Line Eulumdat

**Measur.**

Code 05-1530  
 Name DESK LAMP  
 Date 16-11-2013

**Lamp**

Code INCANDESCENT  
 Number 1  
 Position

Efficiency 64.77%

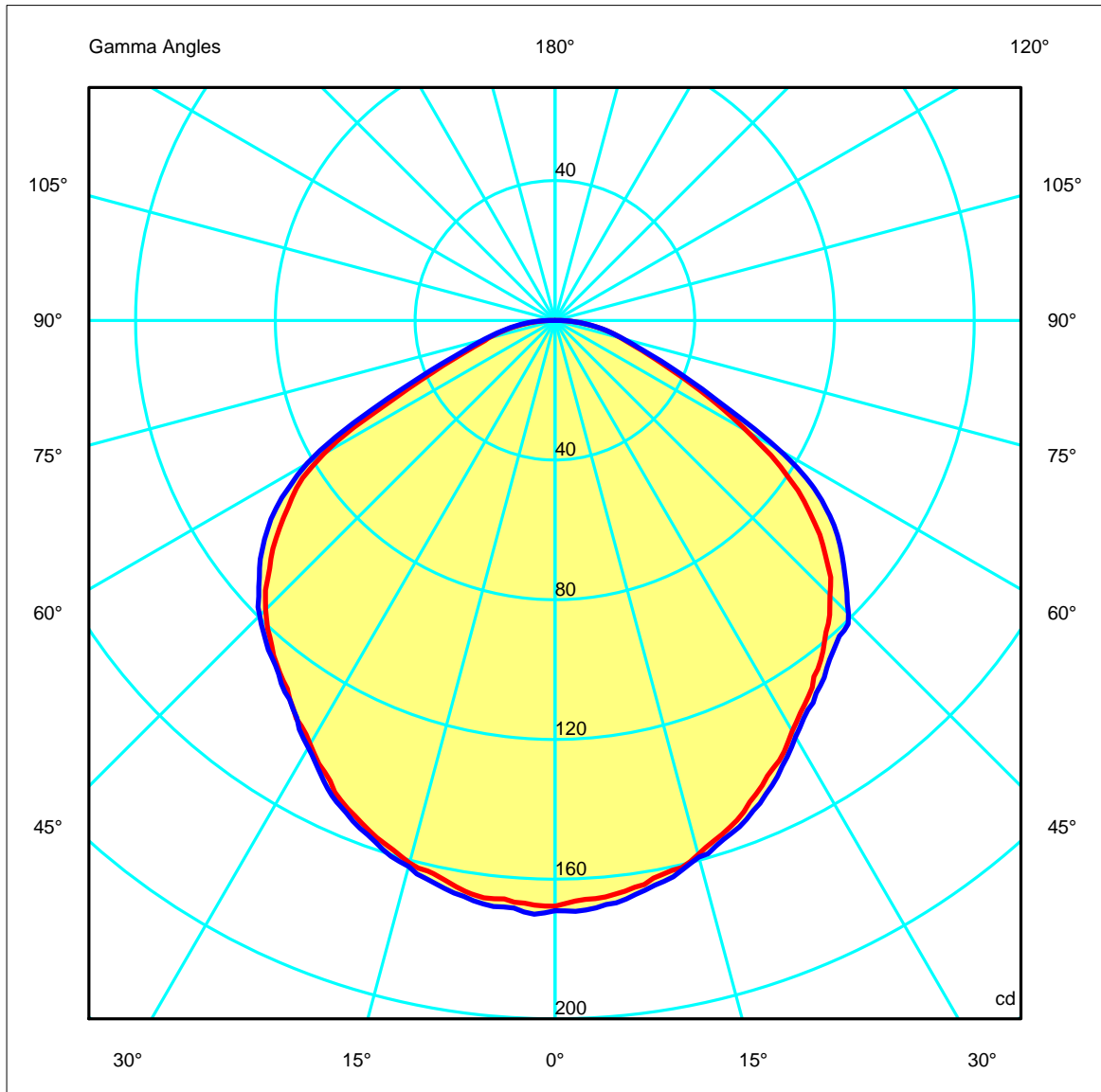
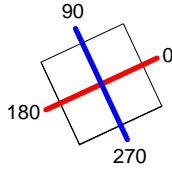
Coordinate system CG

Total Flux 710.00 lm

180mm x 180mm

C Halfplanes

180.0 ————— 0.0  
 270.0 ————— 90.0

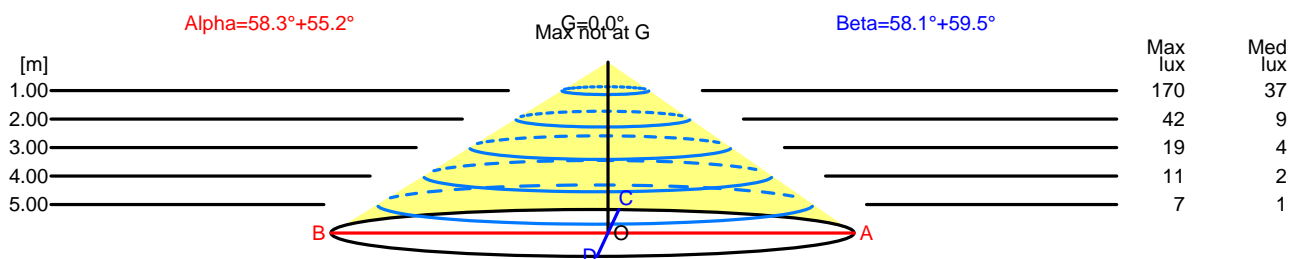


<b>Luminaire</b>		<b>Measur.</b>		<b>Lamp</b>	
Code	05-1530	Code	05-1530	Code	INCANDESCENT
Name	DESK LAMP	Name	DESK LAMP	Number	1
Line	Eulumdat	Date	16-11-2013	Position	
Efficiency	64.77%	Coordinate system	CG	Total Flux	710.00 lm

Width at 50.00 % of Max Intensity

H[m]	1.00	2.00	3.00	4.00	5.00	H[m]	1.00	2.00	3.00	4.00	5.00
OA	1.44	2.88	4.32	5.77	7.21	OC	1.61	3.22	4.82	6.43	8.04
OB	1.62	3.24	4.86	6.48	8.10	OD	1.70	3.40	5.10	6.80	8.50

	Luminous Intensities [ cd ]									
	0	5	15	25	35	45	55	65	75	85
OA	167.71	165.71	158.33	143.90	128.31	111.28	84.89	43.02	19.62	6.83
OB	167.71	166.26	160.83	149.07	132.33	117.10	93.19	46.49	19.84	6.74
OC	169.02	167.90	159.07	146.95	130.32	118.75	95.10	46.43	20.29	6.81
OD	169.02	168.60	161.88	150.55	132.42	119.53	99.22	52.51	20.95	7.77



H[m]	D[m]	Max lux	Med lux	Alpha=58.3°+55.2°	G=0.0 Max not at G	
1.00	3.06	170	37			
2.00	6.12	42	9			
3.00	9.18	19	4			
4.00	12.24	11	2			
5.00	15.31	7	1			

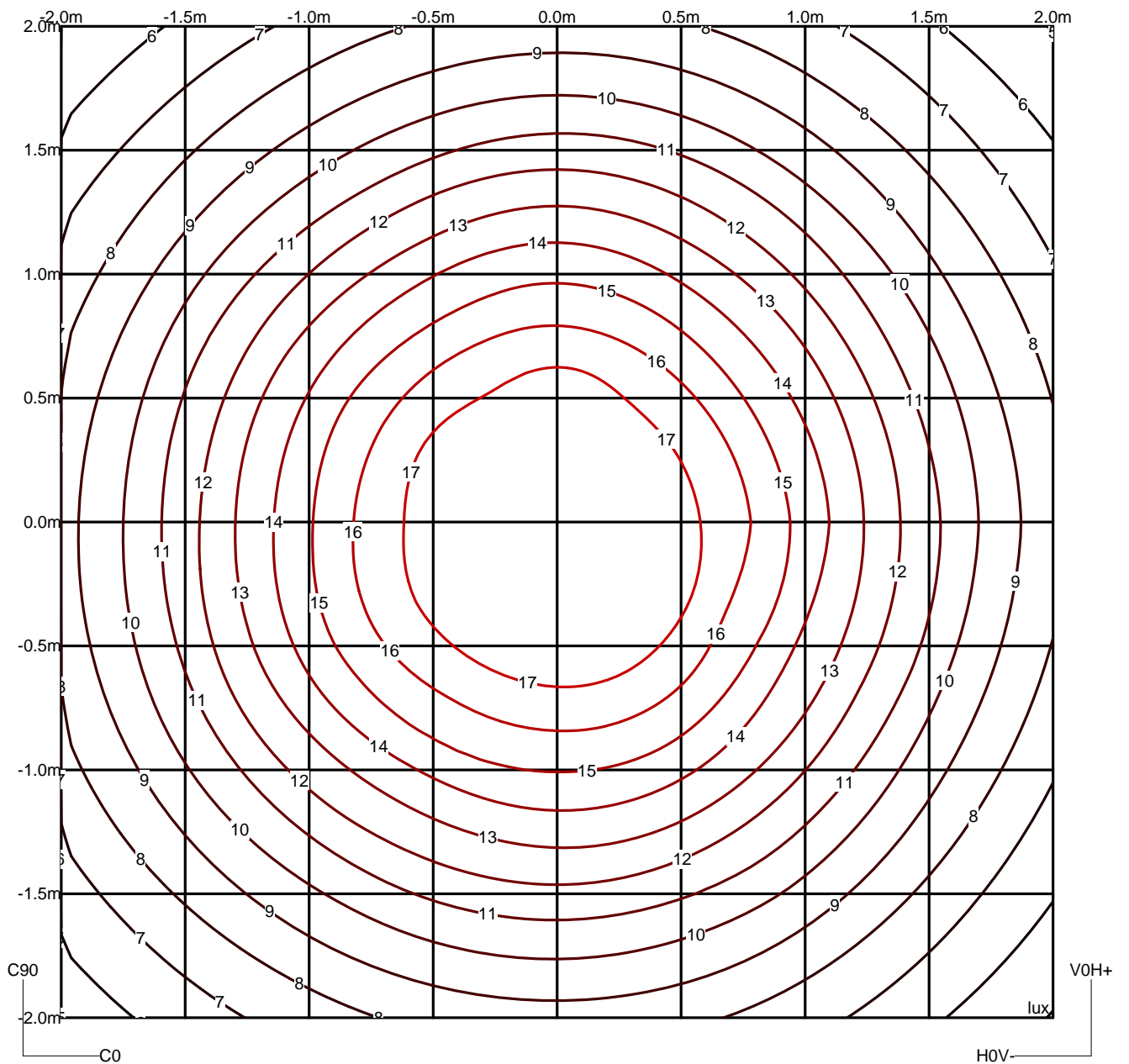
H[m]	D[m]	Max lux	Med lux	Beta=59.5°+58.1°	G=0.0 Max not at G	
1.00	3.31	170	37			
2.00	6.61	42	9			
3.00	9.92	19	4			
4.00	13.23	11	2			
5.00	16.53	7	1			

<b>Luminaire</b> Code 05-1530 Name DESK LAMP Line Eulmdat	<b>Measur.</b> Code 05-1530 Name DESK LAMP Date 16-11-2013	<b>Lamp</b> Code INCANDESCENT Number 1 Position
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Efficiency 64.77%	Coordinate system CG	Total Flux 710.00 lm
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Isolux (Floor)

Luminaire position X=0.00m Y=0.00m Z=3.00m



**Luminaire**

Code 05-1530  
 Name DESK LAMP  
 Line Eulumdat

**Measur.**

Code 05-1530  
 Name DESK LAMP  
 Date 16-11-2013

**Lamp**

Code INCANDESCENT  
 Number 1  
 Position

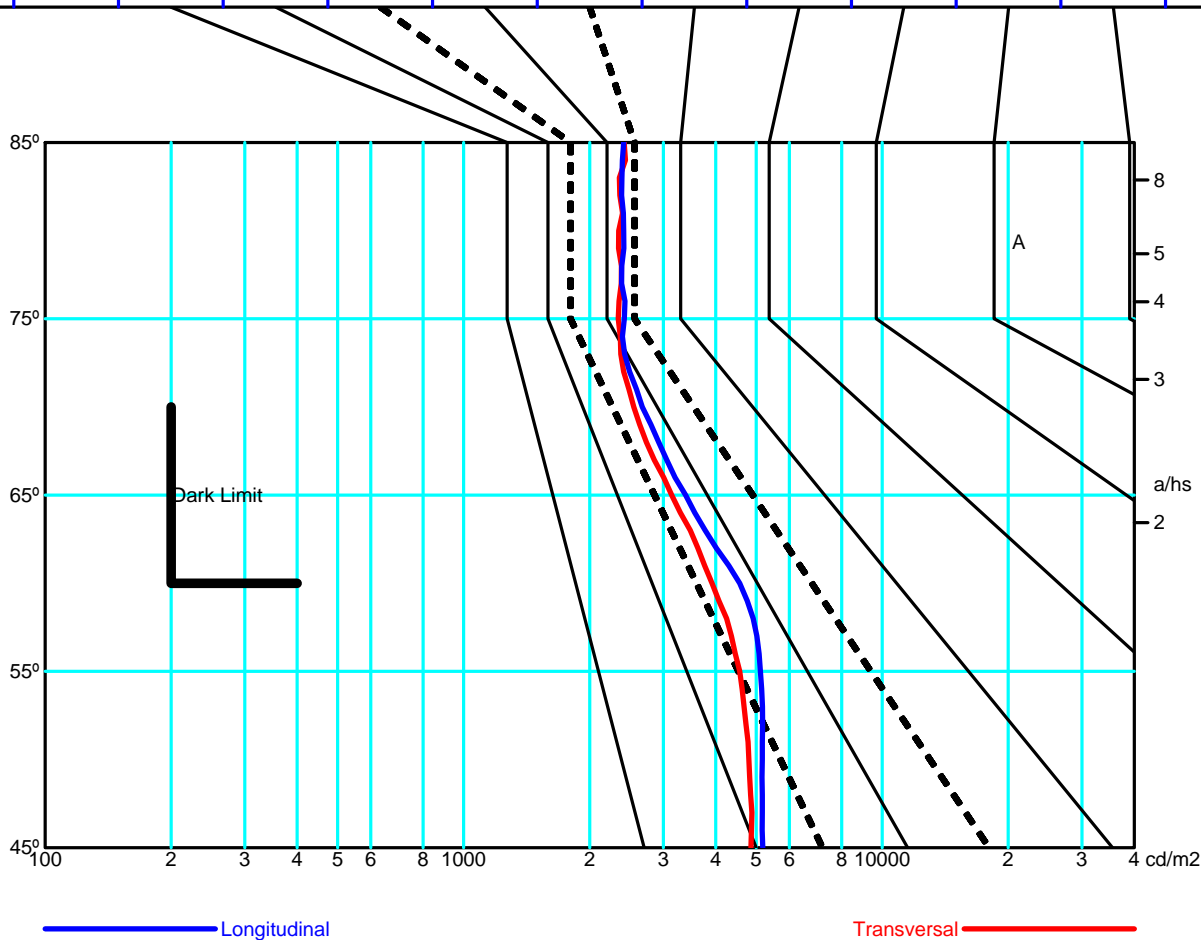
Efficiency 64.77%

Coordinate system CG

Total Flux 710.00 lm

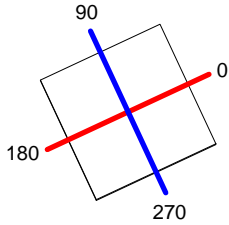
		Average Luminance [cd/m <sup>2</sup> ]								
		45°	50°	55°	60°	65°	70°	75°	80°	85°
0.0°	4857	4803	4568	3921	3142	2548	2340	2346	2419	---
90.0°	5183	5171	5117	4565	3391	2671	2420	2412	2412	---

Flush mounted or longitudinal view												
		Illumination(lx)										
A	A	2000	1000	750	500		<300				1.15	
B	1		2000	1500	1000	750	500	<300			1.5	
C					2000		1000	500	<300		1.85	
D	2						2000	1000	500	<300	2.2	
E	3							2000	1000	500	<300	2.55



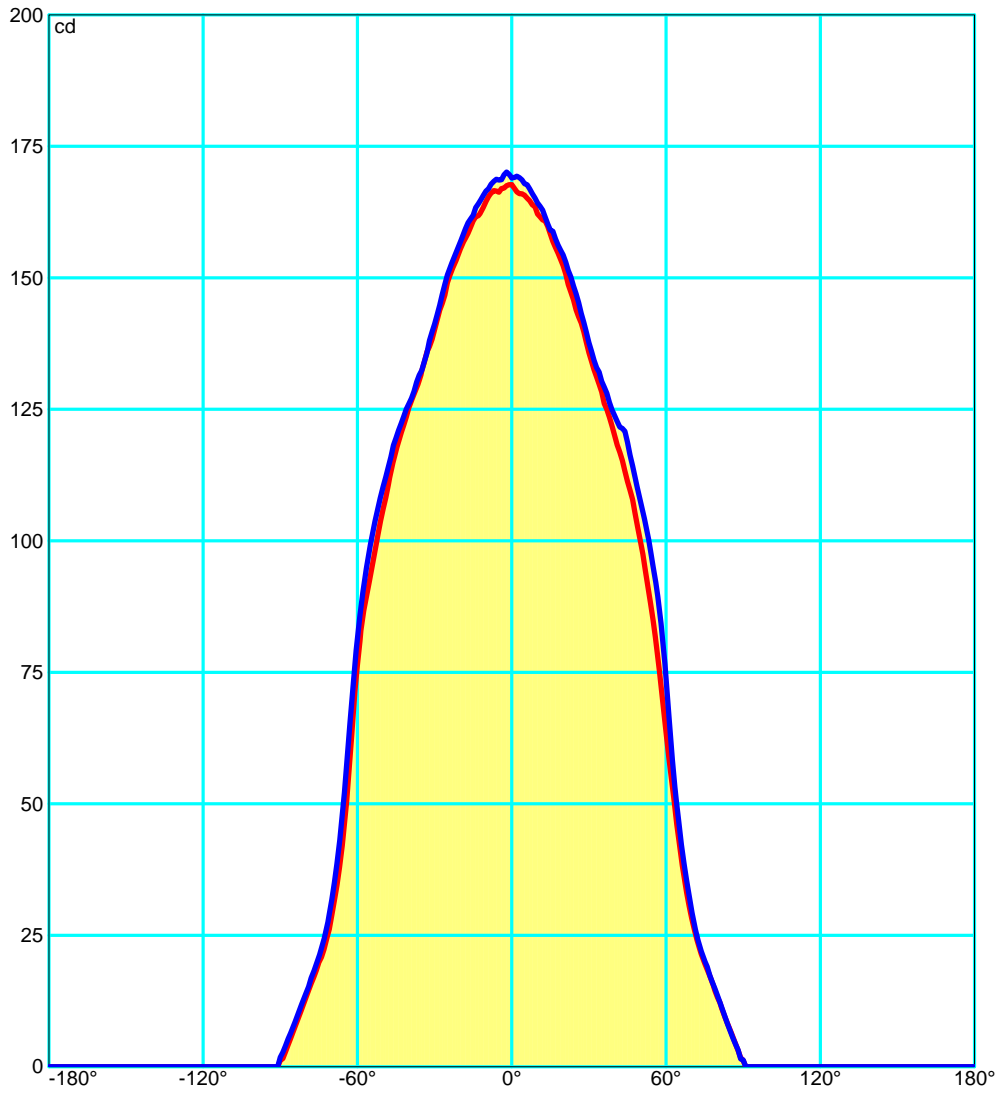
<b>Luminaire</b>		<b>Measur.</b>		<b>Lamp</b>	
Code	05-1530	Code	05-1530	Code	INCANDESCENT
Name	DESK LAMP	Name	DESK LAMP	Number	1
Line	Eulumdat	Date	16-11-2013	Position	
Efficiency	64.77%	Coordinate system	CG	Total Flux	710.00 lm

180mm x 180mm



C Halfplanes

180.0 ——— 0.0  
270.0 ——— 90.0



<b>Luminaire</b>		<b>Measur.</b>		<b>Lamp</b>	
Code	05-1530	Code	05-1530	Code	INCANDESCENT
Name	DESK LAMP	Name	DESK LAMP	Number	1
Line	Eulumdat	Date	16-11-2013	Position	
Efficiency	64.77%	Coordinate system	CG	Total Flux	710.00 lm

**UGR**  
S = 0.250

Reflectancies										
Ceiling/Cavity	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Walls	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
WorkingPlane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
RoomDimensions	ViewedCrosswise					ViewedEndwise				
x=2H y=2H	18.3	19.7	18.7	19.9	20.3	18.5	19.8	18.8	20.0	20.3
x=2H y=3H	19.1	20.3	19.4	20.6	21.1	19.4	20.5	19.7	20.8	21.1
x=2H y=4H	19.4	20.5	19.7	20.7	21.3	19.6	20.7	20.0	21.0	21.3
x=2H y=6H	19.6	20.6	20.0	20.9	21.5	19.9	20.9	20.3	21.2	21.5
x=2H y=8H	19.7	20.7	20.1	21.0	21.6	20.0	21.0	20.4	21.3	21.6
x=2H y=12H	19.8	20.7	20.2	21.0	21.7	20.1	21.1	20.5	21.4	21.7
x=4H y=2H	18.9	20.0	19.3	20.3	20.7	19.0	20.1	19.4	20.4	20.7
x=4H y=3H	19.8	20.8	20.2	21.1	21.6	20.0	20.9	20.4	21.2	21.6
x=4H y=4H	20.2	21.0	20.6	21.4	21.9	20.4	21.2	20.8	21.6	21.9
x=4H y=6H	20.6	21.3	21.0	21.7	22.3	20.8	21.5	21.2	21.9	22.3
x=4H y=8H	20.7	21.4	21.2	21.8	22.4	20.9	21.6	21.4	22.0	22.4
x=4H y=12H	20.9	21.5	21.3	21.9	22.5	21.1	21.7	21.6	22.1	22.5
x=8H y=4H	20.4	21.0	20.8	21.4	22.0	20.5	21.2	21.0	21.6	22.0
x=8H y=6H	20.9	21.4	21.3	21.9	22.5	21.1	21.6	21.5	22.0	22.5
x=8H y=8H	21.1	21.6	21.6	22.1	22.7	21.3	21.8	21.8	22.3	22.7
x=8H y=12H	21.3	21.8	21.8	22.2	23.0	21.6	22.0	22.1	22.4	23.0
x=12H y=4H	20.4	21.0	20.8	21.4	22.0	20.6	21.1	21.0	21.6	22.0
x=12H y=6H	20.9	21.4	21.4	21.9	22.5	21.1	21.6	21.6	22.0	22.5
x=12H y=8H	21.2	21.6	21.7	22.1	22.8	21.4	21.8	21.9	22.3	22.8



<b>Luminaire</b>	<b>Measur.</b>	<b>Lamp</b>
Code 05-1530	Code 05-1530	Code INCANDESCENT
Name DESK LAMP	Name DESK LAMP	Number 1
Line Eulumdat	Date 16-11-2013	Position

Efficiency 64.77%      Coordinate system CG      Total Flux 710.00 lm

Total Flux=710.00 Luminaire Flux=459.90

RI	0.60	0.80	1.00	1.25	1.50	2.00	2.50	3.00	4.00	5.00	10.00	20.00
DRR	0.31	0.40	0.48	0.56	0.61	0.70	0.75	0.79	0.84	0.87	0.93	0.96
RC	5	5	5	5	4	4	4	4	4	4	5	5

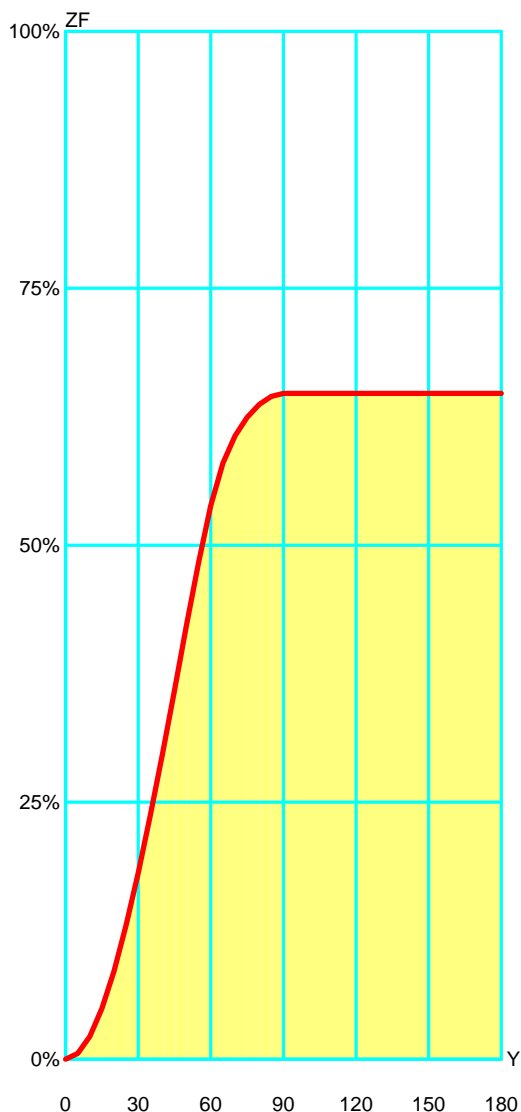
Zonal Flux per 1000 Lumen

Y°	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180
ZF(Y)	22	86	181	297	423	539	607	637	648	648	648	648	648	648	648	648	648	648

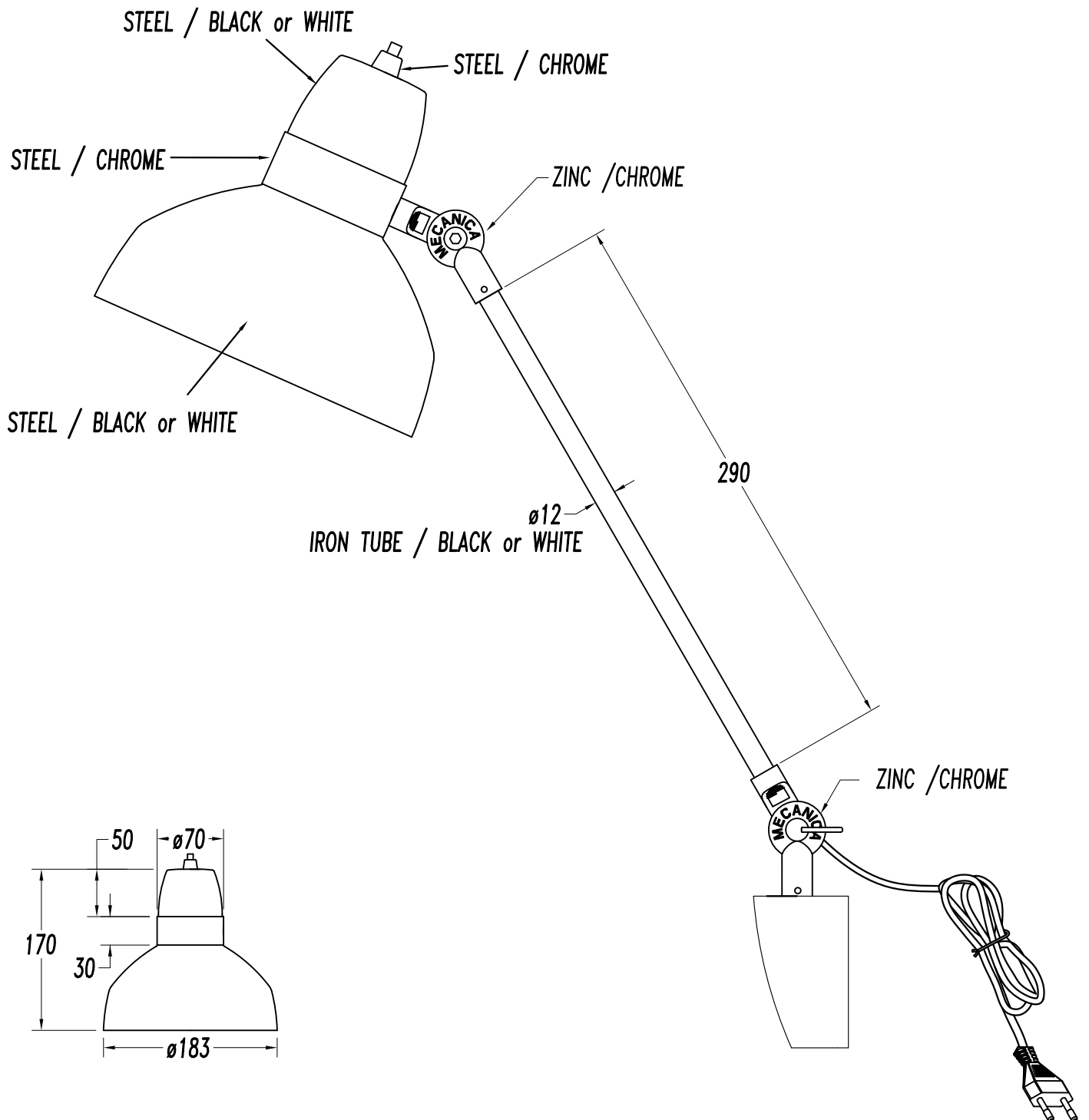
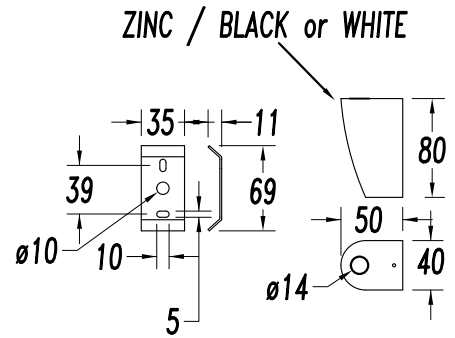
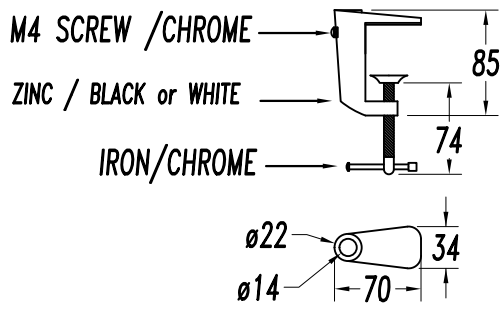
CIE Flux Codes

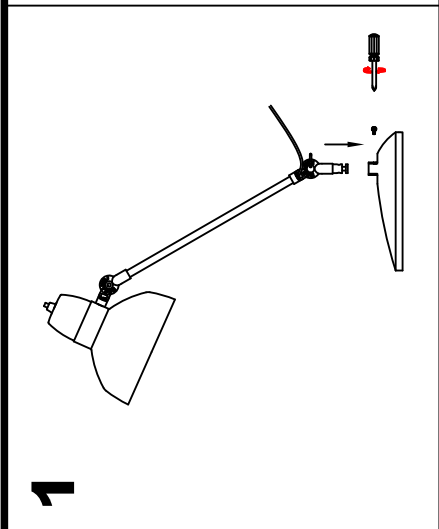
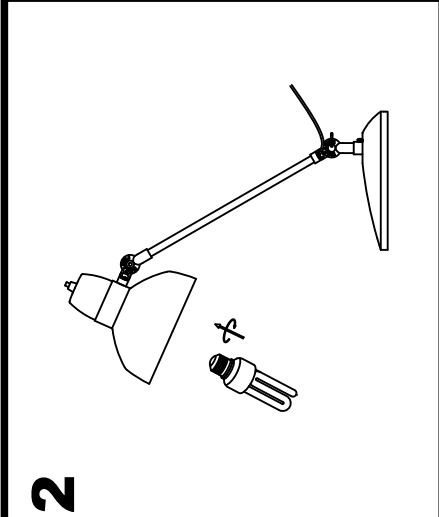
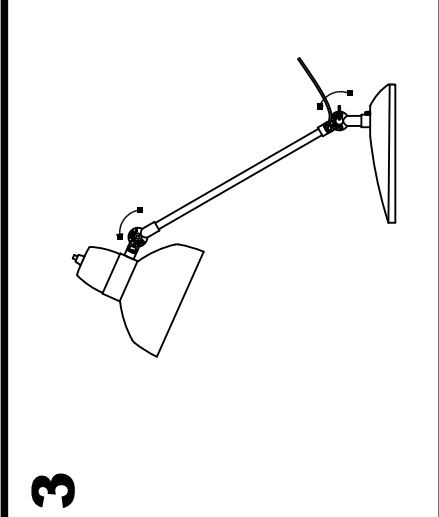
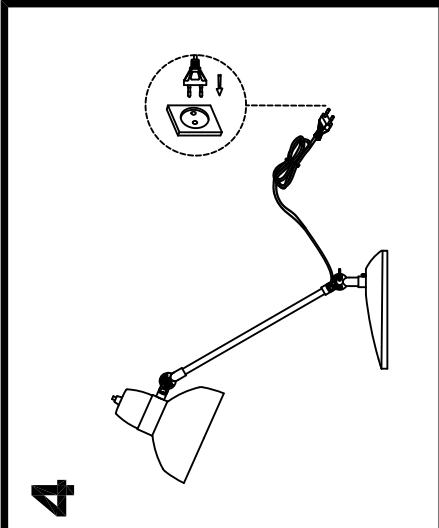
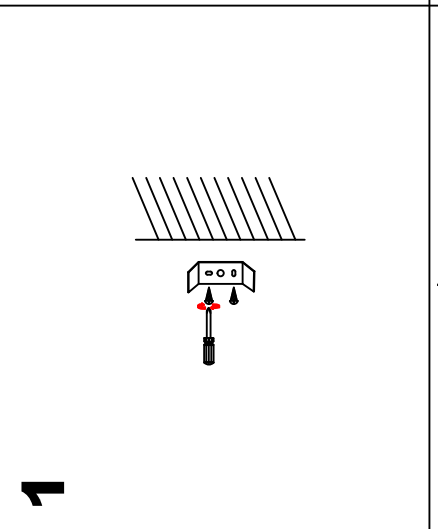
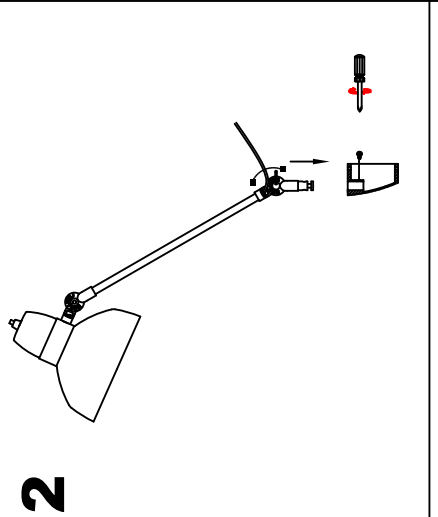
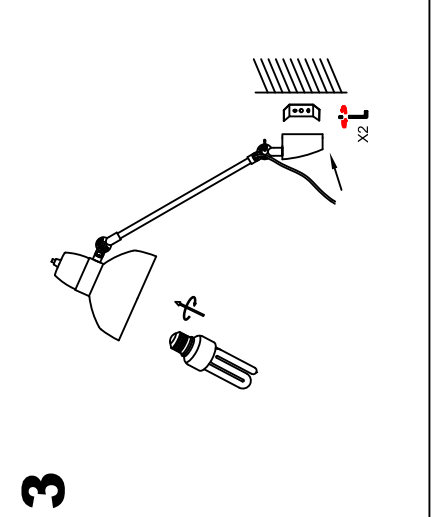
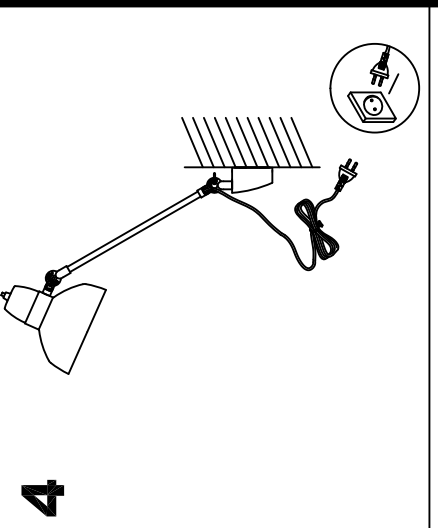
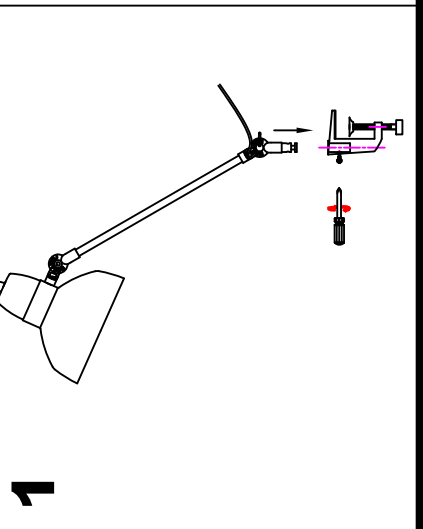
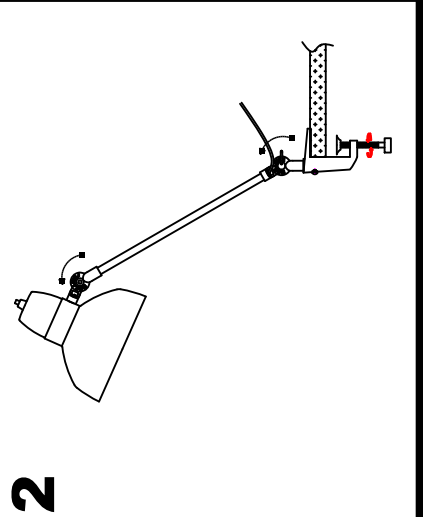
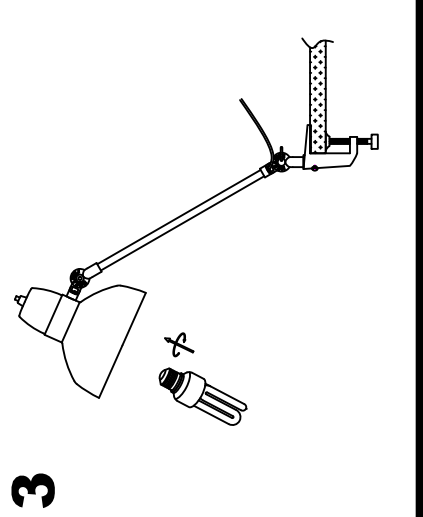
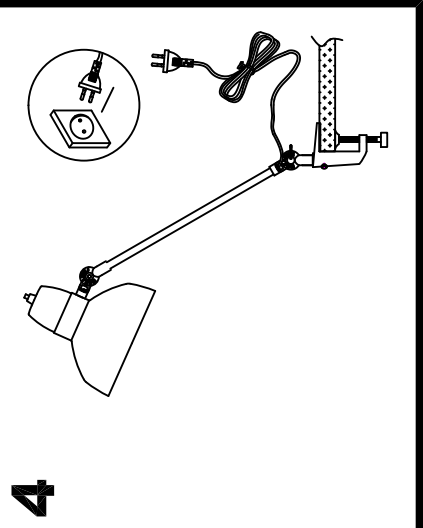
48 83 97 100 65

C.I.E.	5/5/5/5/4/4/4/4/4/5/5	LOR	64.77454 %
D DIN 5040	A30	ULOR	0.00000 %
F UTE	0.65 E	DLOR	64.77454 %
B NBN	BZ 4	UFF	0.00000 %
RN	0.00000 %	DFF	100.00000 %
BLF	1.0	FFR	0.00000 %



Zonal Flux				
Gamma °	Flux	Sum lm	Flux [%]	Sum [%]
0°	0.00	0.00	0.00%	0.00 %
5°	5.64	5.64	0.87 %	0.87 %
10°	16.70	22.34	2.58 %	3.45 %
15°	27.06	49.40	4.18 %	7.63 %
20°	36.42	85.81	5.62 %	13.25 %
25°	44.49	130.30	6.87 %	20.12 %
30°	50.89	181.20	7.86 %	27.97 %
35°	55.73	236.92	8.60 %	36.58 %
40°	59.69	296.61	9.22 %	45.79 %
45°	62.64	359.26	9.67 %	55.46 %
50°	63.52	422.78	9.81 %	65.27 %
55°	61.12	483.89	9.44 %	74.70 %
60°	54.69	538.58	8.44 %	83.15 %
65°	41.26	579.84	6.37 %	89.52 %
70°	26.71	606.55	4.12 %	93.64 %
75°	17.80	624.36	2.75 %	96.39 %
80°	12.62	636.98	1.95 %	98.34 %
85°	7.79	644.77	1.20 %	99.54 %
90°	2.97	647.75	0.46 %	100.00 %
95°	0.00	647.75	0.00 %	100.00 %
100°	0.00	647.75	0.00 %	100.00 %
105°	0.00	647.75	0.00 %	100.00 %
110°	0.00	647.75	0.00 %	100.00 %
115°	0.00	647.75	0.00 %	100.00 %
120°	0.00	647.75	0.00 %	100.00 %
125°	0.00	647.75	0.00 %	100.00 %
130°	0.00	647.75	0.00 %	100.00 %
135°	0.00	647.75	0.00 %	100.00 %
140°	0.00	647.75	0.00 %	100.00 %
145°	0.00	647.75	0.00 %	100.00 %
150°	0.00	647.75	0.00 %	100.00 %
155°	0.00	647.75	0.00 %	100.00 %
160°	0.00	647.75	0.00 %	100.00 %
165°	0.00	647.75	0.00 %	100.00 %
170°	0.00	647.75	0.00 %	100.00 %
175°	0.00	647.75	0.00 %	100.00 %
180°	0.00	647.75	0.00 %	100.00 %



 <p><b>1</b></p>	 <p><b>2</b></p>	 <p><b>3</b></p>	 <p><b>4</b></p>
 <p><b>1</b></p>	 <p><b>2</b></p>	 <p><b>3</b></p>	 <p><b>4</b></p>
 <p><b>1</b></p>	 <p><b>2</b></p>	 <p><b>3</b></p>	 <p><b>4</b></p>