Kicad Rev	Eeschema 4.0.6
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Title	Modular Flatlight	
Company	Nicolas Rosenthal	
Revision		8
Date Issue	2017-07-24	
Comment	CC-BY-SA-4.0	
Comment	Flatlight	

Reference	Value	Library	Library Ref	Price
Q1	IRF7319	transistors	IRF7343PBF	0.411760 €
U1	TP4056	nicos-parts	TP4056	0.360000 €
J1	USB_Micro_Jack	conn	USB_B	0.520000 €
R1	1.2KΩ	device	R	0.005880 €
R2	1KΩ	device	R	0.005880 €
R3	1KΩ	device	R	0.058800 €
D1	RED	device	LED	0.067230 €
D2	GREEN	device	LED	0.084030 €
C1	10µF	device	C	0.050420 €
C2	10µF	device	C	0.050420 €
R6	100KΩ	device	R	0.005880 €
R5	10KΩ	device	R	0.005880 €
R4	100KΩ	device	R	0.005880 €
C3	1µF	device	C	0.033610 €
R7	10KΩ	device	R	0.005880 €
SW1	SW_PWR	switches	SW_Push	0.040000 €
C7	100nF_decoupling	device	C	0.033610 €
D9	TMPWARN_RED	device	LED	0.067230 €
R23	237Ω	device	R	0.005880 €
SW2	SW_MODE	switches	SW_Push	0.040000 €
R22	10KΩ	device	R	0.005880 €
D8	PWRLED_GRN	device	LED	0.180000 €
R21	237Ω	device	R	0.005880 €
R17	15KΩ	device	R	0.005880 €
BAT1	LIPO_W_NTC	nicos-parts	LIPO_W_NTC	3.850000 €
D7	CHRG_IND_RED	device	LED	0.067230 €
D6	CHRG_IND_ORANGE	device	LED	0.084030 €
D5	CHRG_IND_YELLOW	device	LED	0.050420 €
D4	CHRG_IND_GREEN	device	LED	0.084030 €
D3	CHRG_IND_BRTGREEN	device	LED	0.134450 €
RN1	R_Pack_220Ω	device	R_Pack04	0.016800 €
R8	237Ω	device	R	0.005880 €
J12	CONN_VCC_FEMALE	conn	CONN_01X03	0.100000 €
J10	CONN_PWM_1_FEMALE	conn	CONN_01X03	0.100000 €
J6	CONN_VCC_FEMALE	conn	CONN_01X03	0.100000 €
J4	CONN_PWM_2_FEMALE	conn	CONN_01X03	0.100000 €
U2	ATMEGA16-16AU	atmel	ATMEGA16-16AU	1.630000 €
C6	100nF	device	C	0.033610 €

L1	100µH	device	L	0.160000 €
SW3	SW_MODE2	switches	SW_Push	0.040000 €
R9	10KΩ	device	R	0.005880 €
J2	CONN_01X08	conn	CONN_01X08	0.200000 €
Q2	IRLML6244	device	Q_NMOS_GSD	0.190240 €
R10	1KΩ	device	R	0.005880 €
C4	10µF TANT	device	CP	0.100800 €
U26	SK6812	SK6812_3535	LED	0.100000 €
C27	100nF	device	C	0.033610 €
U27	SK6812	SK6812_3535	LED	0.100000 €
C28	100nF	device	C	0.033610 €
U28	SK6812	SK6812_3535	LED	0.100000 €
C29	100nF	device	C	0.033610 €
U29	SK6812	SK6812_3535	LED	0.100000 €
C30	100nF	device	C	0.033610 €
U30	SK6812	SK6812_3535	LED	0.100000 €
C31	100nF	device	C	0.033610 €
U31	SK6812	SK6812_3535	LED	0.100000 €
C32	100nF	device	C	0.033610 €
U32	SK6812	SK6812_3535	LED	0.100000 €
C33	100nF	device	C	0.033610 €
U33	SK6812	SK6812_3535	LED	0.100000 €
C34	100nF	device	C	0.033610 €
U34	SK6812	SK6812_3535	LED	0.100000 €
C35	100nF	device	C	0.033610 €
U35	SK6812	SK6812_3535	LED	0.100000 €
C36	100nF	device	C	0.033610 €
U36	SK6812	SK6812_3535	LED	0.100000 €
C37	100nF	device	C	0.033610 €
U37	SK6812	SK6812_3535	LED	0.100000 €
C38	100nF	device	C	0.033610 €
U38	SK6812	SK6812_3535	LED	0.100000 €
C39	100nF	device	C	0.033610 €
U39	SK6812	SK6812_3535	LED	0.100000 €
C40	100nF	device	C	0.033610 €
U40	SK6812	SK6812_3535	LED	0.100000 €
C41	100nF	device	C	0.033610 €
U41	SK6812	SK6812_3535	LED	0.100000 €
C42	100nF	device	C	0.033610 €
U42	SK6812	SK6812_3535	LED	0.100000 €
C43	100nF	device	C	0.033610 €
U43	SK6812	SK6812_3535	LED	0.100000 €
C44	100nF	device	C	0.033610 €
U44	SK6812	SK6812_3535	LED	0.100000 €
C45	100nF	device	C	0.033610 €
U45	SK6812	SK6812_3535	LED	0.100000 €
C46	100nF	device	C	0.033610 €
U46	SK6812	SK6812_3535	LED	0.100000 €
C47	100nF	device	C	0.033610 €

U47	SK6812	SK6812_3535	LED	0.100000 €
C48	100nF	device	C	0.033610 €
U48	SK6812	SK6812_3535	LED	0.100000 €
J4	CONN_01X03	conn	CONN_01X03	0.100000 €
J1	CONN_01X03	conn	CONN_01X03	0.100000 €
J2	CONN_01X03	conn	CONN_01X03	0.100000 €
J5	CONN_01X03	conn	CONN_01X03	0.100000 €
J3	CONN_01X08	conn	CONN_01X08	0.200000 €
MAT	Fotoplatine			2.550000 €
MAT	Ätzmittel			0.500000 €
MAT	Epoxy			0.500000 €
MAT	VIAS			0.500000 €
MAT	Folie,Draht,Klebeband,Zinn,etc			1.000000 €
GESAMT				17.804580 €