

Power LEDs
Top-View LEDs
230VAC LEDs
HV LEDs
UV & IR LEDs
LED drivers
Heatsinks
Lenses
Customized solutions



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AC Driven & HV LEDs



SEOUL SEMICONDUCTOR

Acrich3.0 230V AC LED driver

- only 6x6mm, 230V input
- Power Factor PF=0,97, THD < 15%
- ADIM 0-10V output, TRIAC dimmer compatibility (0-100%)
- Bleeder, 7V output for sensors and microcontrollers
- OTP - Over Temperature Protection, UVLO - Under Voltage Lock Out
- To be used with Seoul Semiconductor MJT (Multi-Junction Technology) high voltage LEDs and standard LEDs.



Acrich3
Semiconductor EcoLight

- Bulb (4W, 8W, 12W)
- Downlight (12W,16W)
- Flush mount solutions (12W, 16W)
- Troffer solution (22W)
- High bay solutions (95W, 105W)
- Street light solutions (28W)



Part No.	Power [W]	Flux min. [lm]	Flux max. [lm]	Available CCT [K]	Size [mm]
SMJE-3V04W1P3	4.3	300	350	2600-6000	33
SMJE-3x08W4Py (1)	8.5	580	830	2600-6000	46
SMJE-3x12W4Py (1)	12.5	750	1130	2600-6000	46
SMJD-3x16W4Py (1)	16.6	1300	1800	2600-6000	78
SMJD-3D12W4Py (1)	12.5	1000	1450	2600-6000	70
SMJD-3D12W4Py (2)	12.5	880	1360	2600-6000	78
SMJD-3D16W4Py (2)	16.9	1400	1850	2600-6000	100
SMJL-3P22W4P3	22	2250	2600	2600-6000	550x38 + 570x38
SMJQ-3CA5W4P7	105	10500	11500	3700-6000	145
SMJQ-3C95W4P7	95	9500	10300	3700-6000	150
SMJQ-123NJNSC	30	n/a	3000	3700-5300	180x100x47



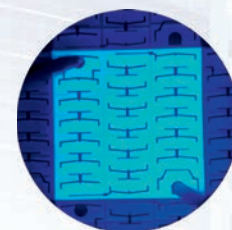
(1) y min. CRI value - E for CRI 90 (lower flux region), y=D for CRI 80 x dimming solution - D for TRIAC, G for TRIAC flicker free, C for P-COM, H for P-Com flicker free
(2) y min. CRI value - 3 for CRI 80 (lower flux region), 8 for CRI 90

MJT- Multi Junction Technology

- Minimize the components
- Lower the system cost
- Competitive lm/W

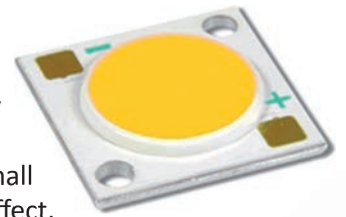
Seoul semiconductors unique and patented MJT will provide you with unbeatable cost benefits and high reliability versus conventional chip array packages.

MJT
Multi Junction Technology



Series	Part No.	Size [mm]	VF [V]	Φv[lm]	Iopt[mA]	CCT [K]	2θ[°]	CRI
MJT 3030	SAW8CF2A SAW9CF2A SAW8CF2B	3.0x3.0x0.65	46.5	103-109 87-95 115-123	20	2600-7000	120	80
	80							
	SAW8C72A SAW9C72A		22.5	103-109 88-93	40	2600-7000	120	80 90
MJT 3528	SAW8WA2A	3.5x2.8x0.6	32.5	124 -132	40	2600-7000	130	82
MJT 5630	SAW8KG0B SAW9KG0B	5.6x3.0x0.75	22	53-58 45	20	2600-7000	115	82
						2600-3700		90
MJT 5050 POWER	SAW8LHOA SAW0LHOA	5.0x5.0x0.65	64	155 180	20	2600-4700	120	80
						3700-7000		70
	SAW8LA0A SAW0LA0A	31	165 180	40	3700-7000	120	80 70	
	SAW0L7PA		21	200	60	3700-7000	120	70
MJT 4040 POWER	SAW09A0A SAW09H0A	4.0x4.0x2.2	31	185	40	3700-7000	120	70
			64	170	20	3200-7000	120	70





The ZC series is a High Flux and High Efficacy COB (Chip On Board) series designed for easy attachment to lighting fixtures - directly without any reflow process.

The thermal management performance exceeds other high power LED solutions. Due to the small size of COB light source, it is easier to make an Omni Directional bulb. COB eliminate shadow effect, while multiple light sources of SMD packages cause many shadows. Since there is no Ag metal in Seoul Semiconductors COB, there occur no color changes caused by SO₂ and H₂S.

Part No.	Color	P[W]	Size[mm]	VF[V]	Φv[lm]	CCT	CRI	IF[mA]	2θ[°]
SDW81F1DY	Cool White	5	13.5x13.5	36	637	5000	Min.80	130	120
	Neutral White				624	4000			
	Warm White				615	3000			
SDW01F1B	Cool White	4	13.5x13.5	8.8	657	5000	Min.70	500	120
	Neutral White				645	4000			
SDW81F1B	Cool White	4	13.5x13.5	8.8	603	5000	Min.80	500	120
	Neutral White				592	4000			
	Warm White				580	3000			
SDW01F1C	Cool White	6	13.5x13.5	34.8	1026	5000	Min.70	180	120
	Neutral White				970	4000			
SDW81F1C	Cool White	6	13.5x13.5	34.8	930	5000	Min.80	180	120
	Neutral White				890	4000			
	Warm White				870	3000			
SDW91F1C	Neutral White	6	13.5x13.5	34.8	739	3000	Min.90	180	120
	Warm White				690	4000			
SDW02F1C	Cool White	12	19.0x19.0	35.6	1918	5000	Min.70	350	120
	Neutral White				1971	4000			
SDW82F1C	Cool White	12	19.0x19.0	35.6	1902	5000	Min.80	350	120
	Neutral White				1800	4000			
	Warm White				1727	3000			
SDW92F1C	Neutral White	12	19.0x19.0	35.6	1530	4000	Min.90	350	120
	Warm White				1475	3000			
SDW03F1C	Cool White	18	19.0x19.0	35.8	2688	5000	Min.70	500	120
	Neutral White				2667	4000			
SDW83F1C	Cool White	18	19.0x19.0	35.8	2475	5000	Min.80	500	120
	Neutral White				2458	4000			
	Warm White				2410	3000			
SDW93F1C	Neutral White	18	19.0x19.0	35.8	2089	4000	Min.90	500	120
	Warm White				2058	3000			
SDW04F1C	Cool White	25	28.0x28.0	35.6	4040	5000	Min.70	700	120
	Neutral White				4081	4000			
SDW84F1C	Cool White	25	28.0x28.0	35.6	3629	5000	Min.80	700	120
	Neutral White				3720	4000			
	Warm White				3612	3000			
SDW94F1C	Neutral White	25	28.0x28.0	35.6	3162	4000	Min.90	700	120
	Warm White				3085	3000			
SDW05F1C	Cool White	36	28.0x28.0	35.8	5555	5000	Min.70	1000	120
	Neutral White				5750	4000			
SDW85F1C	Cool White	36	28.0x28.0	35.8	5189	5000	Min.80	1000	120
	Neutral White				5224	4000			
	Warm White				5040	3000			
SDW95F1C	Neutral White	36	28.0x28.0	35.8	4440	4000	Min.90	1000	120
	Warm White				4305	3000			
SDW06F1C	Cool White	60	28.0x28.0	54.5	8968	5000	Min.70	1100	120
SDW86F1C	Neutral White	60	28.0x28.0	54.5	8667	4000	Min.80	1100	120
	Warm White				8334	3000			
SDW07F1C	Cool White	80	38.0x38.0	53	11800	5000	Min.70	1500	124
SDW87F1C	Neutral White	80	38.0x38.0	53	11400	4000	Min.80	1500	124
	Warm White				11000	3000			

TOP-SELLERS



SEOL SEMICONDUCTOR

3030 DOUBLE CHIP

Able to operate at 200mA (series)	
High Reliability	
Best Cost Performance	
MacAdam 3 step in full range	
Optimized for A19 and Down light	
Less LED per bulb	
Available with 90CRI	
2 chips in series or parallel	

PKG SIZE	3.0*3.0*0.65			
Chip	2 Chip			
Power	0.6W	1W	0.6W	1W
CCT	5000K		3000K	
FLUX [lm]	105	155	93.6	125
VF [V]	6.3V for STW8C2SA, STW9C2SA (CRI90), STW8C2SB, S2-STW8C2SB, STW7C2SB (CRI70), STW9C2SB 3.2V for STW8C2PA, STW7C2PA (CRI70), STW8C12B (low intensity version)			

*available also in automotive version, with AECQ

5630

Cost Competitive High lm/W [Max 220lm/W]	
Best reliability in the industry	
Max current up to 200mA (STW8Q14D)	
0.3~0.5W single Chip Package	
High CRI solutions [min CRI 90]	
Energy star binning	
MacAdam 3 step binning in full range	
Optimized for Bulb lighting Solution	

Part No.	CCT	Φv [lm]	Forward Voltage [V]	CRI Min	IF [mA]	Thermal Resistance [RθJ-C, °C/W]
STW8Q14D	5000K 3000K	56 52	2.95 (2.8@65mA)	80	100 (max 200)	15
E2-STW8Q14D	5000K 3000K	59.5 54.6	2.95 (2.8@65mA)	80	100 (max 180)	15
STW8Q14C	5000K 3000K	47.1 43.5	3.05	80	100 (max 160)	18
STW9Q14C STW9Q14D	3000K	35.1 40.5		90		

*available also in automotive version, with AECQ

WIGOP 2

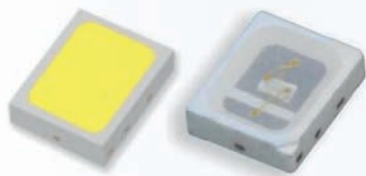
Cost competitive Power LED	
Designed for high current operation	
Low Thermal Resistance	
A wide CCT range of 2,600~7,000K	
Phosphor film directly attached to chip surface	
Small sizes (1.41x1.41mm or 1.81x1.81mm)	
Partially compatible with Z5M lenses	
Max. Power: 7.8W (Y19), 4.7W (Y15)	

Part No.	CCT [K]		Min. Luminous Flux [2] Φv [3] [lm] @350 mA			Min. Luminous Flux [2] Φv [3] [lm] @85°C			CRI [4], Ra
	Min.	Max.	Group	Flux [lm] @85°C	Flux [lm] @25°C	700mA	1.0A	1.5A	
SZ8-Y19-W0-C7	4700	7000	W4	162	178	288	381	517	70
SZ8-Y19-WN-C7	3700	4700	W4	162	178	288	381	517	
SZ8-Y19-WW-C8	2600	3700	W1	133	146	237	313	424	80
SZ8-Y15-W0-C7	4700	7000	W3	167	167	271	357	n/a	70
SZ8-Y15-WN-C7	3700	4700	W3	167	167	271	357	n/a	
SZ8-Y15-WW-C8	2600	3700	V3	137	137	223	294	n/a	80



BRIGHTTEK
BRIGHTTEK (EUROPE) LIMITED

2016 EMC 0.1W / 0.18W



Part No.	CCT	2θ1/2 [°]	ΦV [lm]	VF [V]	IF [mA]	CRI
N0W20S3x*	2580-7040	110	24-26	3.0	60	80
N0R20S37	RED	120	5.5	2.3	40	n/a
N0Y20S38	YELLOW	120	4.0	2.3	40	n/a
N0G20S39	GREEN	120	13.4	3.1	60	n/a
N0B20S40	BLUE	120	2.7	3.1	60	n/a

*x=Color bin (1-6)

3014 EMC 0.2W / 0.5W



Part No.	CCT	2θ1/2 [°]	ΦV [lm]	VF [V]	IF [mA]	CRI
N0W20S0x*	2580-7040	110	24-26	2.85	60	80
N0W20S4x*	2580-7040	110	54-62	3.1	150	80

*x=Color bin (1-6)

TOP-VIEW LEDs



SEOUL SEMICONDUCTOR



Top view LED (White) 3020

Part No.	Watt	Size[mm]	VF[V]	Iv[mcd]	IF [mA]	CCT	2θ[°]	CRI
STW8B12B-NZ	0.18	3.0x2.0x0.6	3.1	7.500	60	2.600-7.000	120	Min.80
STW9B12G	0.13	3.0x2.0x0.6	3	2.600	30	2.600-3.700	120	Min.90
STW9B12C	0.3	3.0x2.0x0.6	3.2	9.500	100	2.600-4.200	120	Min.90
STW8B12B	0.12	3.0x2.0x0.6	3.05	5.050	40	2.600-7.000	120	Min.80
STW8B12C	0.3	3.0x2.0x0.6	3.15	11.350	100	2.600-7.000	120	Min.80
KWT803-S	0.06	3.0x2.0x1.2	3.2	2.100	20	5.300-8.900	115	
C9WT803	0.06	3.0x2.0x1.2	3.2	1.500	20	2.600-7.000	115	90
C8WT803	0.06	3.0x2.0x1.2	3.2	1.800	20	2.600-7.000	115	80
STW8B12G	0.13	3.0x2.0x0.6	3	3.450	30	2.600-7.000	120	Min. 80
STW9B12B-NZ	0.18	3.0x2.0x0.6	3.15	6.100 5.000	60	3700-4.200 2.600-3.700	120	Min. 90

5630

STW8Q14D	0.18	5.6x3.0x0.65	2.8	10.400	65	2.600-7.000	120	Min.80
STW8Q14C	0.3	5.6x3.0x0.75	3.15	14.000	100	2.600-7.000	120	Min.80
STW9Q14C	0.3	5.6x3.0x0.75	3.15	10.200	100	2.600-4.200	120	Min.90
STW9Q14B	0.3	5.6x3.0x0.9	3.2	9.500	100	2.600-4.500	120	Min.90
STW8Q2PA	0.3	5.6x3.0x0.9	3.2	8.500	100	2.600-7.000	120	Min.80
E2-STW8Q14D	0.18	5.6x3.0x0.65	2.8	11.000	65	2.600-7.000	120	Min.80
STW9Q14D	0.18	5.6x3.0x0.65	2.8	8.300	65	2.600-7.000	120	Min.90

3030

STW7C2PA	0.6	3.0x3.0x0.65	3.2	28 27.5	200	2.600-7.000	120	Min.70
STW8C2PA	0.6	3.0x3.0x0.65	3.2	26.3 25.9	200	2.600-7.000	120	Min.80
STW9C2PA	0.6	3.0x3.0x0.65	6.1	22 20	100	2.600-4.200	120	Min.90
STW8C2SA	0.6	3.0x3.0x0.65	6.1	26.3 25.9	100	2.600-7.000	120	Min.80
STW7C2SA	0.6	3.0x3.0x0.65	6.1	27.5	100	2.600-7.000	120	Min.70
S2-STW8C2SB	0.6	3.0x3.0x0.6	6.2	-	100	2.600-7.000	120	Min.80
STW7C2SB	0.6	3.0x3.0x0.6	6.1	30.0 30.5	100	2.600-7.000	120	Min.70
STW8C12B	0.19	3.0x3.0x0.6	2.95	9.5 9.3	65	2.600-8.200	120	Min.80

Other sizes available on www.acrich.com

Top View LED (Color)

Part No.	Color	Size [mm]	VF [V]	Iv[mcd]	Iv[mcd] max	λd[nm]	IF [mA]	IF [mA] (max)	2θ[°]
SFT825N-S	Full Color	3.5x2.8x1.4	2.1	700	1100	623	20	30	120
			3.2	1200	1600	527			
			3.2	400	560	460			
SFT825Z-S	Full Color	3.5x2.8x1.4	2.1	700	1100	623	20	30	120
			3.2	1200	1600	527			
			3.2	400	560	460			
STF0A36B	Full Color	3.5x2.8x0.7	2.0	650	1100	623	20	30	120
			3.15	1300	1600	527			
			3.15	250	400	460			

SINGLE COLOR DIODES AVAILABLE, PLEASE CHECK OUR WEBSITE OR CONTACT OUR OFFICE

POWER LEDs

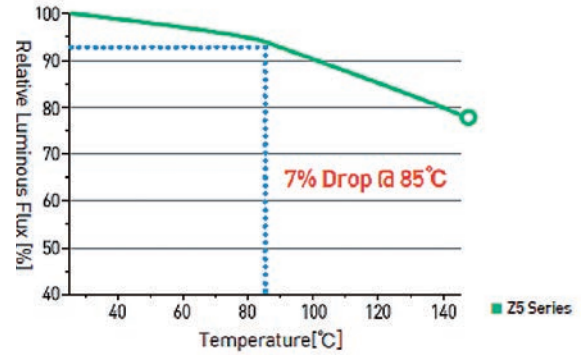
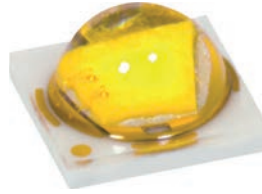


SEOUL SEMICONDUCTOR

Excellent Hot Lumen Maintenance of Z5 Series

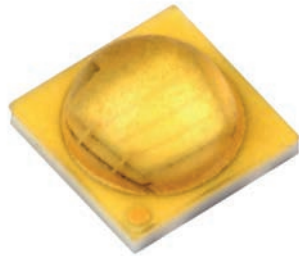
Z5 Series, Worlds leading High Power LED have excellent Hot Lumen Maintenance. It shows only 7% of luminous flux drop at 85°C and even available with a color rendering index(CRI) of 90.

- LM80
- ANSI compliant
- AEC-Q101
- RoHS compliant:



3535 POWER LED

High Lumen Output and Efficacy
Designed for high current operation, max. 1.5A
Low Thermal Resistance
Wide CCT range 3000~7000K
High Color Quality with CRI min.80 (R9>0)
ANSI compliant Binning
MacAdam 3 Step for Warm White



Part No.	CCT [K]		Min. Luminous Flux [lm] Φ _v [lm] @350 mA			Min. Luminous Flux [lm] Φ _v [lm] @85°C			CRI [4], R _a min.
	Min.	Max.	Group	Flux [lm] @85°C	Flux [lm] @25°C	700mA	1.0A	1.5A	
SZ5-M2-W0-00	4700	7000	W3	153	170	272	352	464	70
SZ5-M2-WN-00	3700	4700	W3	153	170	272	352	464	70
SZ5-M2-WW-C8	2600	3700	V3	123	140	218	284	374	80

Series	Part No.	Color	V _F [V]	Φ _v [lm]	Wavelength [nm]	I _F [mA]	I _F [mA] (max)	2θ [°]
Z5	SZR05A0A	Red	2.4	60	625	350	700	123
	SZG05A0A	Green	3.3	110	525	350	700	128
	SZB05A0A	Blue	3.3	28	460	350	700	128
	SZA05A0A	Amber	2.3	54	592	350	700	123

P5-II



Z-Power series is designed for high current operation and high flux output applications. Z-Power LEDs thermal management perform exceeds other power LED solutions. It incorporates state of the art SMD design and thermal emission material.

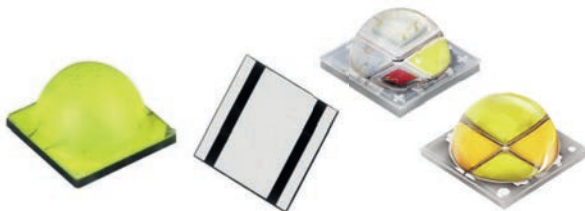
Full color Z-Power LED uses 3 RGB power chips and isolated thermal slug.

In case of the full color product used in architectural lighting or decoration, it emits 7 colors in one package so that it can render a clear mixed color.

Series	Part No.	Color	V _F [V]	Φ _v [lm]	Wavelength [nm]	I _F [mA]	I _F [mA] (max)	2θ [°]
P5-II	F50360	Full Color	2.5	35	625	350	400	120
			3.8	57	525	350	400	120
			3.6	13	460	350	400	120



5050/5252 Ceramic 4.2W



Part No.	CCT	2θ1/2 [°]	Φ _v [lm]	V _F [V]	I _F [mA]	CRI
N0W21S3x*	2580-7040	145	480	12	350	70
N0D14S29	Duo White (CW/WW)	125	190/160	6.5/6.5V	350x2	80
N0M04S5x*	WRGB	125	120/60/120/20	3.2/2.4/3.0/3.2	350x4	n/a

*x=Color bin (1-6)

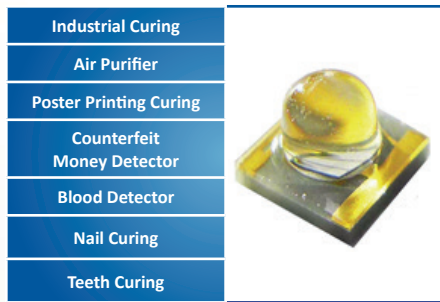
3535 Infrared (IR)



- Security Device
- Surveillance Camera
- Plant Growing Light
- De-Icing for Traffic Signs
- Automotive:
Event Data Recorder*

Part number	Product Description							Available with 60°, 120° and Flat lens	
N0F10S09	3535 2.0t	Infrared (IR)	840-870nm	1~4W	350/1400mA	275/832mW	1.6V	60°	
N0F10S11	3535 2.0t	Infrared (IR)	840-870nm	1~4W	350/1400mA	275/832mW	1.6V	120°	
N0F16S71	3535 2.0t	Infrared (IR)	840-870nm	1~3W	350/1000mA	250/650mW	1.6V	120°	
N0F16S72	3535 2.0t	Infrared (IR)	840-870nm	1~3W	350/1000mA	250/650mW	1.6V	60°	
N0F16S73	3535 2.0t	Infrared (IR)	840-870nm	1~2W	350/600mA	225/382mW	1.6V	120°	
N0F16S74	3535 2.0t	Infrared (IR)	840-870nm	1~2W	350/600mA	225/382mW	1.6V	60°	
N0F16S32P	3535 Flat 1.0t	Infrared (IR)	840-870nm	1~3W	350/1000mA	240/650mW	1.6/2.2V	120°	
N0F16S33P	3535 Flat 1.0t	Infrared (IR)	930-950nm	1~3W	350/500mA	240/410mW	1.6/1.8V	120°	

3535 Ultraviolet (UV)



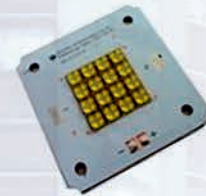
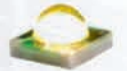
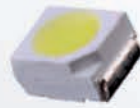
- Industrial Curing
- Air Purifier
- Poster Printing Curing
- Counterfeit
Money Detector
- Blood Detector
- Nail Curing
- Teeth Curing

Part number	Product Description							Available with 60° and 120° lens	
NOQ10S93	3535 2.0t	Ultraviolet (UV)	390-410nm	1~2W	500/700mA	740/984mW	3.72V	120°	
NOQ10S94	3535 2.0t	Ultraviolet (UV)	390-410nm	1~2W	500/700mA	740/984mW	3.72V	60°	
NOQ10S95	3535 2.0t	Ultraviolet (UV)	380-390nm	1~2W	500/700mA	740/984mW	3.72V	120°	
NOQ10S96	3535 2.0t	Ultraviolet (UV)	380-390nm	1~2W	500/700mA	740/984mW	3.72V	60°	
NOQ16S79	3535 2.0t	Ultraviolet (UV)	410-430nm	1~2W	500/700mA	740/984mW	3.72V	120°	
NOQ16S80	3535 2.0t	Ultraviolet (UV)	410-430nm	1~2W	500/700mA	740/984mW	3.72V	60°	
NOQ19S08	3535 2.0t	Ultraviolet (UV)	365-370nm	1.85W	500mA	450mW (typ.)	3.7V	120Å	
NOQ16S79Z	3535 2.0t	Ultraviolet (UV)	410-430nm	1~2W	500/700mA	740/984mW (typ.)	3.72V	120Å°	
NOQ09S11Z	5252 3.1t	Ultraviolet (UV)	390-410nm	7.25W	500mA	2700mW/700mW/sr	14.5V	145Å°	

LED Drivers



	Application	Part Number	Package Type	Topology	Dimming	PFC (By Condition)	THD (By Condition)	Efficiency (By Condition)	C.C.
DC-DC	Converter	TS19371CX6	SOT-26	Boost	PWM	-	-	> 85%	± 5%
	Controller	TS19375CS	SOP-8	Boost	PWM	-	-	> 85%	
	Converter	TS19376CY5	SOT-89-5L	Buck	PWM	-	-	> 90%	± 5%
		TS19377CS	SOP-8	Buck	-	-	-	> 90%	± 5%
		TS19378CS	SOP-8	Buck	PWM	-	-	> 90%	± 5%
Linear	Regulator	TS19601CP5	TO-252-5L	Linear	PWM	-	-	-	-
		TS19603CS	SOP-8EP	Linear	PWM	-	-	-	-
AC-DC	Converter	TS19451CY	SOT-89	Buck	-	-	-	> 90%	± 5%
		TS19452CS	SOP-8	Buck	-	-	-	> 90%	± 5%
	Controller	TS19450CS	SOP-8	Buck	PWM / Linear	-	-	> 90%	± 10%
	Controller	TS19460CS	SOP-8	Buck	PWM / Linear	-	-	> 90%	± 5%
	Controller	TS19702CX6	SOT-26	Buck	PWM / Linear	> 0.9	< 30%	> 90%	± 5%
	Controller	TS19720CX6	SOT-26	Buck	-	> 0.9	< 15%	> 90%	± 2.5%
	Controller	TS19721xCS	SOP-8	Buck	-	> 0.9	< 15%	> 90%	± 2.5%
	Controller	TS19730CX6	SOT-26	Buck	-	> 0.9	< 10%	> 88%	± 2.0%
	Controller	TS19705CX6	SOT-26	PSR / Buck-Boost	-	> 0.9	< 15%	> 85%	± 3%
	Controller	TS19310A/BCX6	SOT-26	PSR / Buck-Boost	TRIAC	> 0.9	< 15%	> 75%	± 3%
	Controller	TS19740CX6	SOT-26	Buck	-	> 0.9	< 20%	> 90%	± 2.5%
	Controller	TS19320CS	SOP-8EP	PSR / Buck-Boost	TRIAC	> 0.9	< 15%	> 86%	± 3%
	Controller	TS19330CS TS19331CS	SOP-8	PSR / Buck-Boost	PWM / Linear	> 0.9	< 15%	> 86%	± 3%



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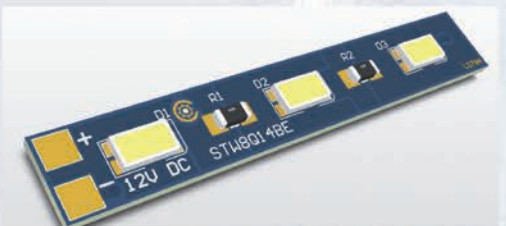
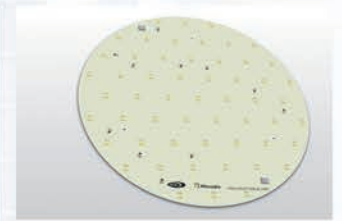
Brighttek is a Taiwanese manufacturer of lighting solutions, developing LEDs since 2001.

With a wide portfolio of LEDs Brighttek can offer a product for any application.

- From THT Lamps to Power Arrays
- From High Flux to High Power
- Price competitive LEDs and solutions

DESIGN SUPPORT

Microdis Electronics also offers custom designed LED lighting solutions. The idea is all the customer has to have. Our team of engineers will put that idea into a real product. Our offer includes LED strips, custom designed LED lamps, waterproof LED lighting for bathtubs or showers, including a capacitive touchpanel, and many others.



LED MODULES

Microdis offers also a wide selection of off-the-shelf LED modules, based on the STW8Q14C 5630 diode, offering high efficiency and CV or CC power supply options. The modules are available in 3000K, 4000K and 5600K colors and standard shapes – square, round and linear. Sizes reach up to 44cm in diameter (round) and 30cm edge length (square). For the biggest modules the flux reaches up to 7500lm (when LEDs are driven with 120mA). The module efficacy can reach more than 160lm/W (when LEDs are driven with 60mA).



Selection of modules:

Shape	Size	Power Supply *	flux @3000K(120mA)	flux @4000K(120mA)	flux @5600K(120mA)	LED quantity	Part number
Round	11cm	24V CV (60mA or 120mA) or CC	983	1084	1134	21	LEDMOD_R:11cm
Round	14cm	24V CV (60mA or 120mA) or CC	1310	1445	1512	28	LEDMOD_R:14cm
Round	17cm	24V CV (60mA or 120mA) or CC	1638	1806	1890	35	LEDMOD_R:17cm
Round	20cm	24V CV (60mA or 120mA) or CC	1966	2167	2268	42	LEDMOD_R:20cm
Round	23cm	24V CV (60mA or 120mA) or CC	2293	2528	2646	49	LEDMOD_R:23cm
Round	26cm	24V CV (60mA or 120mA) or CC	2621	2890	3024	56	LEDMOD_R:26cm
Round	29cm	24V CV (60mA or 120mA) or CC	3276	3612	3780	70	LEDMOD_R:29cm
Round	32cm	24V CV (60mA or 120mA) or CC	3604	3973	4158	77	LEDMOD_R:32cm
Round	35cm	24V CV (60mA or 120mA) or CC	5242	5779	6048	112	LEDMOD_R:35cm
Round	38cm	24V CV (60mA or 120mA) or CC	6552	7224	7560	140	LEDMOD_R:38cm
Round	41cm	24V CV (60mA or 120mA) or CC	6552	7224	7560	140	LEDMOD_R:41cm
Round	44cm	24V CV (60mA or 120mA) or CC	6552	7224	7560	140	LEDMOD_R:44cm
Square	2x2cm	24V CV (60mA or 120mA)	328	361	378	7	LEDMOD_Q:2x2cm
Square	10x10cm	24V CV (60mA or 120mA) or CC	983	1084	1134	21	LEDMOD_Q:10x10cm
Square	15x15cm	24V CV (60mA or 120mA) or CC	1310	1445	1512	28	LEDMOD_Q:15x15cm
Square	20x20cm	24V CV (60mA or 120mA) or CC	1966	2167	2268	42	LEDMOD_Q:20x20cm
Square	25x25cm	24V CV (60mA or 120mA) or CC	2621	2890	3024	56	LEDMOD_Q:25x25cm
Square	30x30cm	24V CV (60mA or 120mA) or CC	2621	2890	3024	56	LEDMOD_Q:30x30cm
Linear	10x1cm	24V CV (60mA or 120mA)	328	361	378	7	LEDMOD_L:10x1cm
Linear	20x1cm	24V CV (60mA or 120mA)	655	722	756	14	LEDMOD_L:20x1cm
Linear	30x1cm	24V CV (60mA or 120mA)	983	1084	1134	21	LEDMOD_L:30x1cm
Linear	40x1cm	24V CV (60mA or 120mA)	1310	1445	1512	28	LEDMOD_L:40x1cm
Linear	50x1cm	24V CV (60mA or 120mA)	1638	1806	1890	35	LEDMOD_L:50x1cm
Linear	15x8cm	24V CV (60mA or 120mA) or CC	1310	1445	1512	28	LEDMOD_L:15x8cm
Linear	20x10cm	24V CV (60mA or 120mA) or CC	1310	1445	1512	28	LEDMOD_L:20x10cm
Linear	10x1.2cm	24V CV (60mA or 120mA)	328	361	378	7	LEDMOD_L:10x1.2cm
Linear	20x1.2cm	24V CV (60mA or 120mA)	655	722	756	14	LEDMOD_L:20x1.2cm
Linear	30x1.2cm	24V CV (60mA or 120mA)	983	1084	1134	21	LEDMOD_L:30x1.2cm
Linear	40x1.2cm	24V CV (60mA or 120mA)	1310	1445	1512	28	LEDMOD_L:40x1.2cm
Linear	50x1.2cm	24V CV (60mA or 120mA)	1638	1806	1890	35	LEDMOD_L:50x1.2cm
Linear	5x0.7cm	CC	421	464	486	9	LEDMOD_L:5x0.7cm

*CV – Constant Voltage - with current per LED CC – constant current

Other available options:

- Dynamic White modules – with LEDs with two CCT (3000K and 5600K) for smooth color adjustment
- 230V modules – for easy plug in
- RGB and RGBW modules – for color effects
- power LED modules – with 1-5W LEDs for more flux

WE PRESENT POPULAR PRODUCTS, WHICH ARE ONLY A SMALL PART OF OUR SUPPLIERS COMPREHENSIVE PORTFOLIO

ACCESSORIES

Heatsinks

LEDs, with their high performance and long life, are growing exponentially in popularity. This tendency is even enhanced by the increasing efficiency and falling prices. However, to make the best possible use of all the benefits offered by LEDs, efficient thermal management is indispensable. To meet this requirement, Fischer Elektronik has developed a special product range: heatsinks for LED applications. In addition to a number of star-type heatsinks with different diameters and contours, it comprises, among other things, pin heatsinks, miniature cooling aggregates and case elements for accommodating LED line modules. Modified heatsink variants and versions specially adapted to customized LED applications are manufactured according to customers' specifications using advanced CNC machining centres or through extrusion. The LEDs are fastened using double-sided, thermally conductive adhesive, screw fastening or solderable surface coatings.

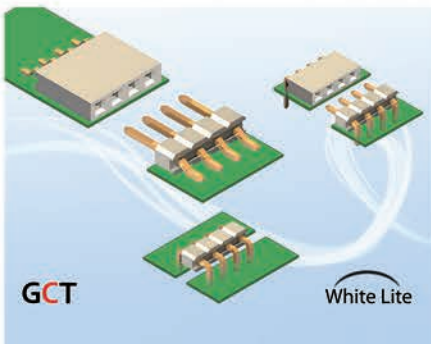


Lenses

Lenses in many diameters and heights. Manufactured also in NJC™ Technology. Available in narrow, medium, elliptical and wide beams. Holders available in white, black and clear color. High efficiency, no vibration problems.



Connectors for LED applications



White Lite- Low cost PCB connector solution for Solid State Lighting

White Lite is aimed at LED strip applications perfectly aligning centre lines of horizontal mating printed circuit boards. Available in both SMT or through hole with 2-6 contacts as a two piece or as a through hole single piece solution with an innovative U-shaped connector design.

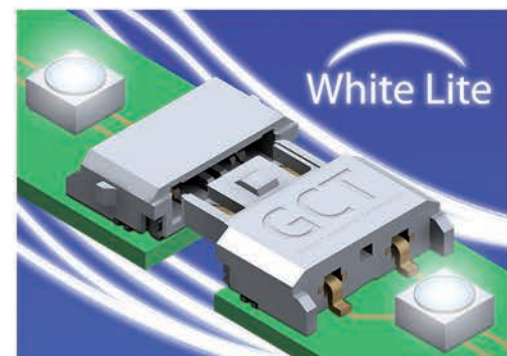
U-shaped connectors are an economical option and allow connections where access from above the PCB is the only option. U-Shaped connectors can be either soldered direct to the PCB or plugged into vertical PCB sockets.

LCP insulators are natural colored to reduce light absorption not only providing better aesthetics but also a resistance to high process temperatures.

Engineered to be the perfect choice for LED strip light applications, the new BJ300 and 301 two position mating connector combinations offer reliable dual contact design.

A dual contact design including a mating guide offers high reliability and protects terminals during mating and un-mating. In addition the connectors are polarised – they may only be plugged together in the correct orientation. Connector pitch spacing is 4.00mm, with a current rating of 3A per contact at 300V and operating temperature of -55° to +105°C.

To speed up design download drawings, 3D models and specifications from the GCT website at www.gct.co



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Currently the Microdis Group employs over 100 people, with a large number of electronic engineers, mostly involved in sales and marketing.

As a company with an extensive experience in the distribution of electronic components, and a purchasing center in Germany for many years, we are able to offer almost any product from a wide variety of electronic components. We offer also the production of cable harnesses and programming of crystal oscillators for a customised frequency. Cooperation with a catalogue distributor provides fast deliveries (2 days) of a wide range of catalogue products.

We have certificates of quality management DIN EN ISO 9001:2008 for the distribution of electronic components.

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