

Power LEDs
Top LEDs
230VAC LEDs
Heatsinks
Lenses
Customized solutions





Content:

Seoul Semiconductor

AC Driven LEDs	3
TOP-SELLERS	5
Top-View LEDs	6
Power LEDs	7
COBs	8
Brightek	9
Design support	9
Own solutions - LED modules	10
Accessories (Heatsinks, Lenses, Connectors)	11

AC Driven LEDs



SEOL SEMICONDUCTOR

Acrich2
Semiconductor EcoLight

Acrich2 is an AC LED module technology using a high efficient Acrich IC.

Acrich2 is ideal for applications that require size constraints, aesthetic design and a cost efficient lighting system. Acrich2 will relieve lighting customers' headache of designing an additional AC-DC converter and will make the lighting system extremely compact with excellent performance.

Series	Color	Size	Part No.	Voltage [V]	Voltage [V] (max)	Power [W]	PF	Flux [lm]		CCT[K]		
								Min.	Typ.			
4W (Bulb)	Cool White	ø33mm	SMJE-3V04W1P3	220	264	4,3	Min. 0.95	320	350	5600		
	Warm White							300	330	3000		
8W (Bulb)	Cool White	ø46mm	SMJE-3V08W1P3	220	264	8,7	Min. 0.95	640	680	5600		
	Warm White							590	630	3000		
8.7W (ECO)	Cool White	25x36mm	SMJE-3V08W2P4	220	264	8,7	Min. 0.97	600	670	5000		
	Warm White							540	600	3000		
12W (Bulb)	Cool White	ø50mm	SMJE-3V12W1P3	220	264	13	Min. 0.95	980	1030	5600		
	Warm White							910	940	3000		
13W (ECO)	Cool White	34x36mm	SMJE-3V12W2P	220	264	13	Min. 0.97	900	930	5000		
	Warm White							850	900	3000		
NEW 12W v.2. (bulb)	Cool White	ø78mm	SMJD-3V12W2P	220	264	13	Min. 0.97	1140	1300	5000		
	Warm White							880	1300	3000		
16W (Down light)	Cool White	ø70mm	SMJD-3V16W1P3	220	264	17,5	Min. 0.95	1380	1450	5600		
	Warm White	1260	1300	3000								
	Cool White	ø100mm	SMJD-3V16W2P3	220	264	17	Min. 0.97	1420	1460	5000		
	Warm White							1360	1390	3000		
10W (Down light)	Cool White	ø100mm	SMJD-HE3V10W3	220	264	10	Min. 0.95	1250	1350	5000		
	Warm White							1100	1200	3000		
NEW 30W (streetlight ENGINE) available with cable or connector	Cool White	200x80x38mm	SMJQ-133NFNSx	220	264	30	Min. 0.95	2700	3000	4700-5300		
	Warm White		SMJQ-133DFNSx					2700	3000	3700-4200		



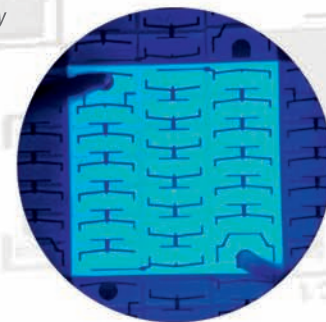
AC driven LEDs



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.



Series	Part No.	Size [mm]	VF [V]	Φv[lm]	Iopt[mA]	CCT	2θ[°]	CRI	
MJT 3030	SAW8CF2A	3.0x3.0x0.65	46.5	103-109	20	2600-7000	120	80	
	SAW8C72A		22.5	103-109	40	2600-7000	120	80	
MJT 2525	SAW8FS72A	2.5x2.5x2.2	23	105	40	2600-7000	130	80	
MJT 3528	SAW8WA2A	3.5x2.8x0.6	32.5	124 -132	40	2600-7000	130	82	
MJT 5630	SAW8KG0B	5.6x3.0x0.75	22	53-58	20	2600-7000	115	82	
	SAW9KG0B	5.6x3.0x0.75	22	45		2600-3700		Min.90	
MJT 5050 POWER	SAW8LH0A	5.0x5.0x0.65	64	155	20	2600-3700	120	80	
	SAW0LH0A			180		2600-3700		70	
MJT 4040 POWER	SAW09A0A	4.0x4.0x2.2	31	170	40	4200-6500	120	70	
	SAW09H0A		64	165	20	4200-6000		70	
Acrich A3	AN3221	30x30x8.1	220	220	20	2600-3700	130	80	
	AN3231			230		220		2600-3700	80
	AW3221			220		330		4700-8200	65
	AW3231			230		330		4700-8200	65
	AN3220	18.5x12x6.5	220,230	220	2600-3700	80			
	AW3220			330	4700-8200	65			



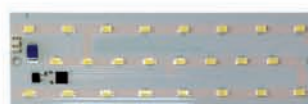
Acrich3.0 230V AC LED driver



- 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.

CUSTOMIZED ACRICH3 SOLUTIONS

Microdis offers also the possibility to make customized Acrich3 solutions, with your own desired shape and needed flux. The custom designs may be based on all MJT LEDs, also the 4040 Power MJT LED, which would make them suitable for street lights and other high flux applications.



5630

Cost Competitive High lm/W [Max 200lm/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	Luminous Intensity [cd]	Φ_v [lm]	Forward Voltage [V]	Luminous Efficacy [lm/W]	CRI Min	IF [mA]	Thermal Resistance [R θ -C, °C/W]
STW8Q14D	5000K	16.2	52	2.95	170	80	100 (max 200)	15
	3000K	15.5	49		160			
STW8Q14C	5000K	15.2	47.1	3.05	154	80	100 (max 160)	18
	3000K	14.5	43.5		142			
STW9Q14C	3000K	11.0	35.1		115	90		

3030 DOUBLE CHIP

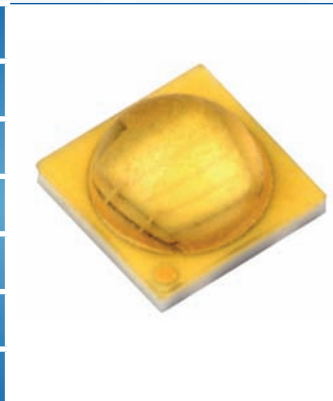
Able to operate at 200mA (series)
High Reliability
Best Cost Performance
MacAdam 3 step in full range
Optimized for A19 and Down light
Less LED per bulb
Available with 90CRI
2 chips in series or parallel



PKG SIZE	3.0*3.0*0.65			
Chip	2 Chip			
Watt	0.6W	1W	0.6W	1W
CCT	5000K		3000K	
FLUX [lm]	96.7	130	93.6	125
VF [V]	6.3V for STW8C2SA, STW9C2SA, STW8C2SB 3.2V for STW8C2PA, STW7C2PA			

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 ^[2] Φ_v ^[3] [lm] @350 mA			Min. Luminous Flux ^[2] Φ_v ^[3] [lm] @85 °C			CRI ^[4] R _a
	Min.	Max.	Group	Flux [lm] @85 °C	Flux [lm] @25 °C	700mA	1.0A	1.5A	min.
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

TOP-VIEW LEDs



SEOUL SEMICONDUCTOR



Top view LED (White) 3020

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

5630

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

3030

STW7C2PA	Cool White	0.6	3.0x3.0x0.65	3.2	28	200	2.600-7.000	120	Min.70
	Warm White								
STW8C2PA	Cool White	0.6	3.0x3.0x0.65	3.2	26.3	200	2.600-7.000	120	Min.80
	Warm White								
STW9C2PA	Cool White	0.6	3.0x3.0x0.65	6.1	22	100	2.600-4.200	120	Min.90
	Warm White								
STW8C2SA	Cool White	0.6	3.0x3.0x0.65	6.1	26.3	100	2.600-7.000	120	Min.80
	Warm White								
STW7C2SA	Natural White	0.6	3.0x3.0x0.65	6.1	27.5	100	2.600-7.000	120	Min.70

5050

STW8T16C	Natural White	0.2	5.0x5.0x1.0	3.1	8200 9000	65	2.600-3700 3700-8200	120	Min.80
STW7T16A	Natural White	0.2	5.0x5.0x1.4	3.1	7000	60	4.700-7.000	120	75
STW8T16A	Natural White	0.2	5.0x5.0x1.4	3.1	6800 6400	60	3.700-7.000 2.600-3.700	120	Min.80
STW8T36B	Natural White	0.2	5.0x5.0x1.4	3.2	5500	60	2.600-8.200	120	80
STW9T36B	Natural White	0.2	5.0x5.0x1.4	3.2	5000	60	2.600-8.200	120	90

Other sizes available on www.acrich.com

Top View LED (Color)

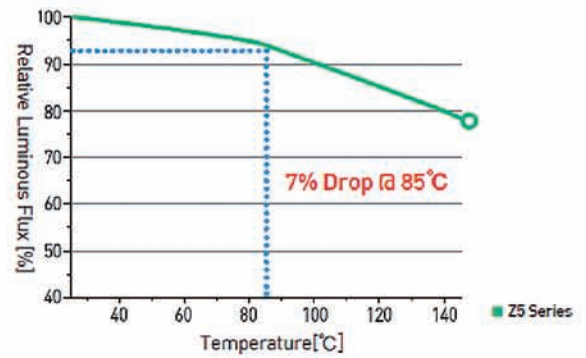
Part No.	Color	Size [mm]	VF [V]	Iv[mcd]	Iv[mcd] max	λd[nm]	IF [mA]	IF [mA] (max)	2θ[°]
SFT825N-S	Full Color	3.5*2.8*1.4	2.1	700	1100	623	20	30	120
			3.2	1200	1600	527			
			3.2	400	560	460			
SFT825Z-S	Full Color	3.5*2.8*1.4	2.1	700	1100	623	20	30	120
			3.2	1200	1600	527			
			3.2	400	560	460			
SFT722N-S	Full Color	6.0*5.0*2.5	2.1	700	1100	623	20	30	120
			3.2	1200	1600	527			
			3.2	200	560	460			
ERT801-S	Red	3.2*2.8*1.9	2	90	130	635	20	30	120
LUYT801-S	Yellow	3.2*2.8*1.9	2.1	130	210	587	20	30	120
FAT801-S	Amber	3.2*2.8*1.9	2.2	220	320	606	20	30	120
UYGT801-S	Yellow Green	3.2*2.8*1.9	2.1	90	105	572	20	30	120
UPGT801-S	Green	3.2*2.8*1.9	2.2	17	36	562	20	30	120

POWER LEDs

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.

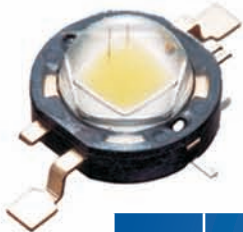
- LM80
- AEC-Q101
- ANSI compliant
- RoHS compliant:



Series	Part No.	Color	Watt	VF [V]	Φv [lm]	CCT	CRI[Typ]	IF[mA]	2θ[°]
Z5M2	SZ5-M2-WW-C8	Warm White	max 5.2	2.95	139	3000	Min.80	350	118.5
	SZ5-M2-WN-00	Natural White	max 5.2	2.95	168	4000	Min.70	350	118.5
	SZ5-M2-W0-00	Cool White	max 5.2	2.95	168	5000	Min.70	350	118.5
Z5M1	SZ5-M1-WW-00	Warm White	max 5.2	2.95	148	3000	Min.70	350	118
	SZ5-M1-WW-C9	Warm White	max 5.2	2.95	105	3000	Min.90	350	118
	SZ5-M1-WW-C8	Warm White	max 5.2	2.95	128	3000	Min.80	350	120
	SZ5-M1-NW-C8	Natural White	max 5.2	2.95	142	4000	Min.80	350	120
	SZ5-M1-NW-00	Natural White	max 5.2	2.95	156	4000	Min.70	350	120
	SZ5-M1-W0-00	Cool White	max 5.2	2.95	158	5300	Min.70	350	120
Z5	SZW05A0B	Cool White	1.0	3.3	125	6000	70	350	120

Series	Part No.	Color	VF [V]	Φv [lm]	Wavelength [nm]	IF[mA]	IF[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

P4



Z-Power LED P4 series is designed with Seoul Semiconductors own phosphor and packaging technology.

The P4 emits 240lm at 1A of light and features the industry's highest luminous efficacy (100lm/W @ 350mA at the maximum) with only a single die.

Series	Part No.	Color	VF [V]	Φv[lm]	CCT[K]	CRI[Typ]	IF[mA]	IF[mA] (max)	2θ[°]	Type
P4	W42180-08	Cool White	3.3	110	6000	70	350	1000	123	Emitter
	W49180-08	Cool White	3.3	113	6300	73	350	800	95	Emitter
	S42180-08	Natural White	3.3	88	4000	91	350	700	123	Emitter
	N42180-08	Warm White	3.3	84	3000	91	350	700	123	Emitter
	N42180H-08	Warm White	3.3	93	3000	Min.80	350	700	123	Emitter
	R42180	Red	2.3	48	625	-	350	800	130	Emitter
	G42180	Green	3.25	70	525	-	350	1000	130	Emitter
	B42180	Blue	2.25	22	465	-	350	800	130	Emitter
	A42180	Amber	2.3	48	590	-	350	800	130	Emitter

P5-II

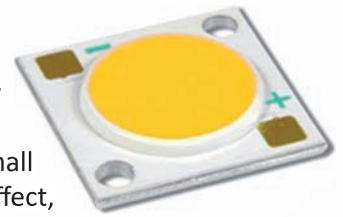


Z-Power series is designed for high current operation and high flux output applications. Z-Power LEDs thermal management perform exceeds other power LED solutions. It incorporates state of the art SMD design and Thermal emission material.

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.

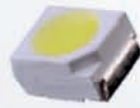
Series	Part No.	Color	VF [V]	Φv[lm]	Wavelength [nm]	IF[mA]	IF[mA] (max)	2θ[°]
P5-II	F50360	Full Color	2.5	35	625	350	400	120
			3.8	57	525	350	400	120
			3.6	13	460	350	400	120



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]	V _F [V]	Φ _v [lm]	CCT	CRI	IF[mA]	2θ[°]
SDW81F1DY	Cool White	5	13.5x13.5	36	577	5000	Min.80	130	120
	Neutral White				565	4000			
	Warm White				544	3000			
SDW01F1B	Cool White	4	13.5x13.5	8.8	590	5000	Min.70	500	120
	Neutral White				630	4000			
SDW81F1B	Cool White	4	13.5x13.5	8.8	593	5000	Min.80	500	120
	Neutral White				565	4000			
	Warm White				520	3000			
SDW01F1C	Cool White	6	13.5x13.5	34.8	885	5000	Min.70	180	120
	Neutral White				913	4000			
SDW81F1C	Cool White	6	13.5x13.5	34.8	750	5000	Min.80	180	120
	Neutral White				775	4000			
	Warm White				820	3000			
SDW91F1C	Neutral White	6	13.5x13.5	34.8	635	3000	Min.90	180	120
	Warm White				680	4000			
SDW02F1C	Cool White	12	19.0x19.0	35.6	1839	5000	Min.70	350	120
	Neutral White				1890	4000			
SDW82F1C	Cool White	12	19.0x19.0	35.6	1680	5000	Min.80	350	120
	Neutral White				1590	4000			
	Warm White				1530	3000			
SDW92F1C	Neutral White	12	19.0x19.0	35.6	1385	4000	Min.90	350	120
	Warm White				1295	3000			
SDW03F1C	Cool White	18	19.0x19.0	35.8	2520	5000	Min.70	500	120
	Neutral White				2547	4000			
SDW83F1C	Cool White	18	19.0x19.0	35.8	2273	5000	Min.80	500	120
	Neutral White				2220	4000			
	Warm White				2128	3000			
SDW93F1C	Neutral White	18	19.0x19.0	35.8	1940	4000	Min.90	500	120
	Warm White				1810	3000			
SDW04F1C	Cool White	25	28.0x28.0	35.6	3700	5000	Min.70	700	120
	Neutral White				3774	4000			
SDW84F1C	Cool White	25	28.0x28.0	35.6	3529	5000	Min.80	700	120
	Neutral White				3400	4000			
	Warm White				3245	3000			
SDW94F1C	Neutral White	25	28.0x28.0	35.6	2770	4000	Min.90	700	120
	Warm White				2590	3000			
SDW05F1C	Cool White	36	28.0x28.0	35.8	5300	5000	Min.70	1000	120
	Neutral White				5180	4000			
SDW85F1C	Cool White	36	28.0x28.0	35.8	4961	5000	Min.80	1000	120
	Neutral White				4783	4000			
	Warm White				4575	3000			
SDW95F1C	Neutral White	36	28.0x28.0	35.8	3876	4000	Min.90	1000	120
	Warm White				3800	3000			
SDW06F1C	Cool White	60	28.0x28.0	54.5	8300	5000	Min.70	1100	120
SDW86F1C	Neutral White	60	28.0x28.0	54.5	8000	4000	Min.80	1100	120
	Warm White				7600	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			



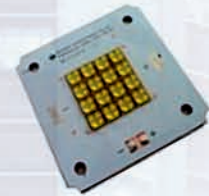
BRIGHTTEK

BRIGHTTEK (EUROPE) LIMITED

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

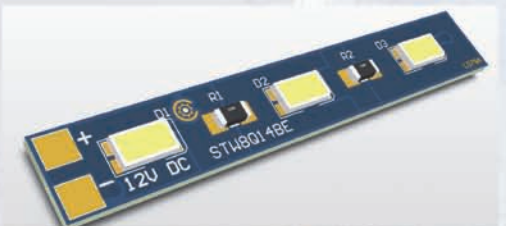
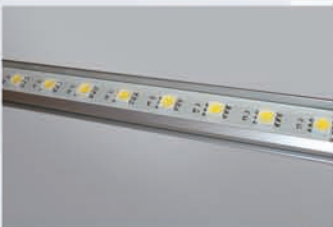
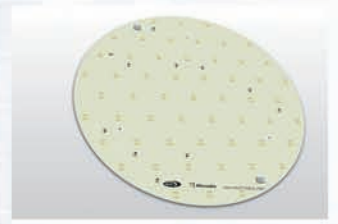
With a wide portfolio of LEDs Brighttek can offer a product for any application.

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



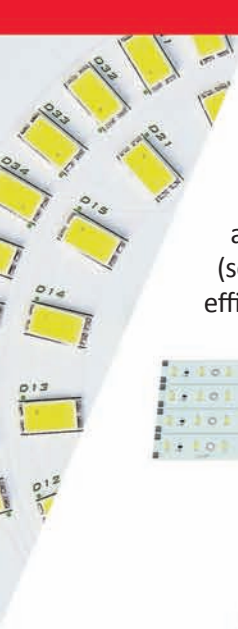
DESIGN SUPPORT

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.



OWN SOLUTIONS – 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

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.

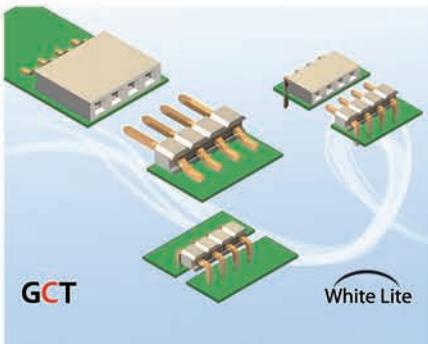


Lenses

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.

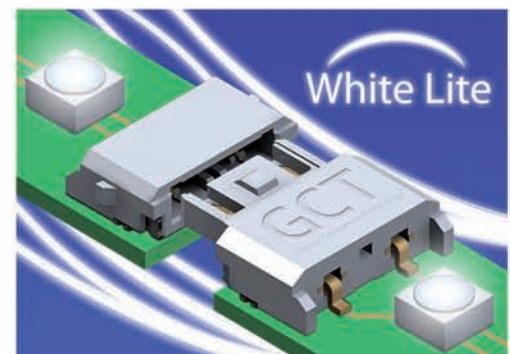
U-shaped connectors are an economical option and allow connections where access from above the PCB is the only option. U-Shaped connectors can be either soldered direct to the PCB or plugged into vertical PCB sockets.

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



-  Bulgaria@microdis.net
-  Croatia@microdis.net
-  Czech@microdis.net
-  Estonia@microdis.net
-  Hungary@microdis.net
-  Latvia@microdis.net
-  Lithuania@microdis.net
-  Poland@microdis.net
-  Romania@microdis.net
-  Russia@microdis.net
-  Serbia@microdis.net
-  Slovakia@microdis.net
-  Slovenia@microdis.net
-  Turkey@microdis.net
-  Ukraine@microdis.net
-  microdis.de@microdis.net



- U-BLOX
- SIMCOM
- AMBER WIRELESS
- STOLLMANN
- AEGID
- MAXTENA
- AAEON
- ASROCK
- NEXCOM
- IYAMA
- MEDER
- GLOBAL CONNECTOR TECHNOLOGY
- FISCHER CONNECTORS
- JST
- LEAR
- MEDIKABEL
- METZ CONNECT
- MECAL
- WEZAG
- EPSON
- ALPS ELECTRIC
- FISCHER ELEKTRONIK
- BRIGHTEK
- SEOUL SEMICONDUCTOR
- STANLEY ELECTRIC
- VISHAY
- TAIWAN SEMICONDUCTOR
- ISOCOM

- GPS/Glonass, GSM, UMTS/HSPA/CDMA/LTE modules, antennas
- GSM, UMTS modules
- RF ISM, Bluetooth, ZigBee modules and transceivers
- OEM modules: Bluetooth, ISDN
- RFID systems and transponders
- GPS, Glonass, Iridium antennas
- industrial computers and panels
- mini-ITX industrial boards
- industrial computers and panels
- Large Format Displays
- reed switches, sensors and relays
- SIM-Holders, memory card connectors, USB connectors
- military, medical and industrial connectors
- signal connectors
- automotive and white goods connectors
- UL/CSA/DIN certified, customized industrial cables
- terminal block connectors - screw, spring and pins
- machines and systems for wire crimping
- Hand tools for crimping, pneumatic presses
- crystals, oscillators, filters and sensors
- switches, encoders, potentiometers and printers
- heatsinks, connectors, 19" and case technology
- Power, THT and chip LEDs and LED modules
- LEDs - power, full color, 230AC
- LEDs, LED modules
- passive components and semiconductors
- semiconductor devices
- optocouplers, optoswitches

- www.u-blox.com
- www.sim.com
- www.amber-wireless.de
- www.stollmann.de
- www.aegid.de
- www.maxtena.com
- www.aaeon.com
- www.asrock.com
- www.nexcom.com
- www.iiyama.com
- www.meder.com
- www.globalconnectortechology.com
- www.fischerconnectors.com
- www.jst.de
- www.lear.com
- www.medikabel.de
- www.metz-connect.com
- www.mecal.com
- www.wezag.de
- www.epson.com
- www.alps.com
- www.fischerelektronik.de
- www.brightekeurope.com
- www.seoulsemicon.com
- www.stanley-components.com
- www.vishay.com
- www.taiwansemi.com
- www.isocom.com

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 logistics 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.

EN v.2.3

