



## LIGHTING SOLUTIONS

Power LEDs  
Top LEDs  
230VAC LEDs  
Heatsinks  
Lenses  
Customized solutions

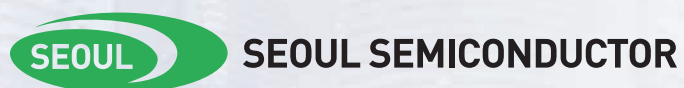




**Content:**

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

# AC Driven LEDs

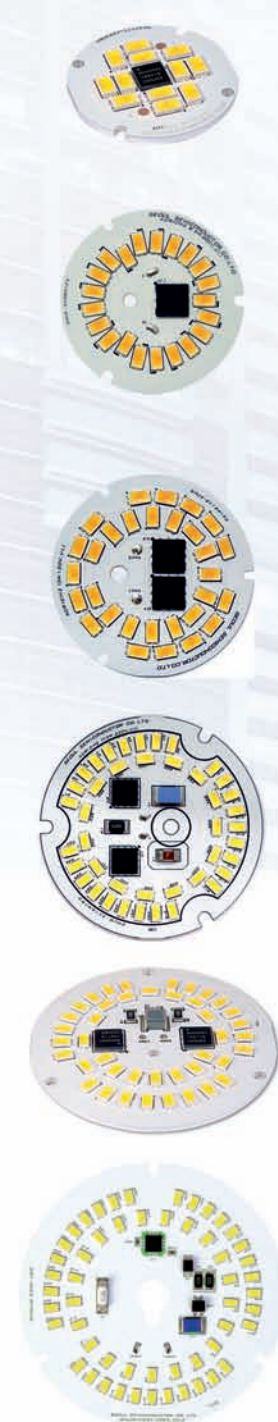


Acrich2 is an AC LED module technology using a high efficient Acrich IC.

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
								320	350	5000
	Warm White							300	330	3000
8W (Bulb)	Cool White	ø46mm	SMJE-3V08W1P3	220	264	8,7	Min. 0.95	640	680	5600
								650	700	5000
	Warm White							590	630	3000
12W (Bulb)	Cool White	ø50mm	SMJE-3V12W1P3	220	264	13	Min. 0.95	980	1030	5600
								980	1030	5000
	Warm White							910	940	3000
16W (Down light)	Cool White	ø70mm	SMJD-3V16W1P3	220	264	17,5	Min. 0.95	1380	1450	5600
								1380	1450	5000
	Warm White							1260	1300	3000
	Cool White	ø100mm	SMJD-3V16W2P3	220	264	17	Min. 0.97	1420	1460	5000
								1360	1390	3000
	Warm White									
10W (Down light)	Cool White	ø100mm	SMJD-HE3V10W3	220	264	10	Min. 0.95	1250	1350	5000
	Warm White							1100	1200	3000

NEW



# AC driven LEDs



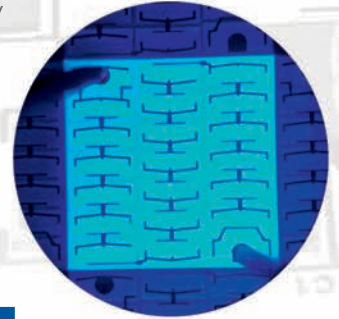
SEOL SEMICONDUCTOR

**MJT**  
Multi Junction Technology

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	Color	Part No.	Size [mm]	VF [V]	Φv[lm]	Iopt[mA]	CCT	2θ[°]	CRI
MJT 3528	Cool White	SAW8WA2A	3.5*2.8*0.6	32.5	132	40	3700-7000	120	82
	Warm White		3.5*2.8*0.6		124		2600-3700		
MJT 5630	Cool White	SAW8KG0A	5.6*3.0*0.75	19	40	20	3700-7000	115	82
	Warm White	SAW8KG0B			35		2600-3700		
	Warm White	SAW8KG0B	5.6*3.0*0.75	22	49		2600-3700		
MJT 6540	White	SAW8P42A	6.5*4.0*0.80	13	53	20	3700-7000	115	83
					30		3700-7000		
MJT 5630	Cool White	SAW8KG0B	5.6*3.0*0.75	22	53	20	3700-7000	115	82
	Warm White				49		2600-3700		
	Warm White	SAW9KG0B	5.6*3.0*0.75	22	45		2600-3700		
MJT 6540	White				30		3700-7000		
MJT 4040 POWER	Cool White	SAW09H0A	4.0*4.0*2.2	64	165	20	4200-6000		70

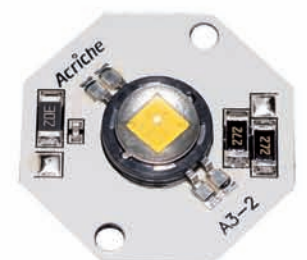


**Acrich**  
semiconductor eco lighting

Acriche series is designed for AC source operation and high flux output applications. Acriche is a semi-permanent and environmental semiconductor lighting that can be powered by AC source, without additional power supplies.

Acriche's thermal management performance exceeds other power LED solutions. It incorporates state of the art SMD design and Thermal emission material. Acriche is an ideal light source for general illumination applications.

Series	Color	Part No.	Size [mm]	VF [V]	Φv[lm]	Iopt[mA]	CCT	2θ[°]	CRI	
A3	Warm White	AN3221	30*30*8.1	220	220	20	2600-3700	130	80	
	Warm White	AN3231			230					220
	Cool White	AW3221			220		330			4700-8200
	Cool White	AW3231			230		330			4700-8200
	Warm White	AN3220	18.5*12*6.5	220, 230	220		2600-3700			80
	Cool White	AW3220			330		4700-8200			65



## CUSTOMIZED ACRICH2+ SOLUTIONS

Microdis offers also the possibility to make customized Acriche2+ 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.



## 5630C

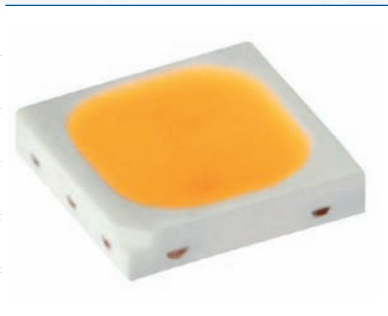
Cost Competitive High lm/W [Max 180lm/W]
Best reliability in the industry
Max current up to 160mA
0.3~0.5W single Chip Package
High CRI solutions [min CRI 90]
Energy star binning
MacAdam 3 step binning in full range
Optimized for Bulb lighting Solution



Part No.	CCT	Luminous Intensity [cd]	Φv [lm]	Forward Voltage [V]	Luminous Efficacy [lm/W]	CRI Min	IF [mA]	Thermal Resistance [RθJ-C, °C/W]
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

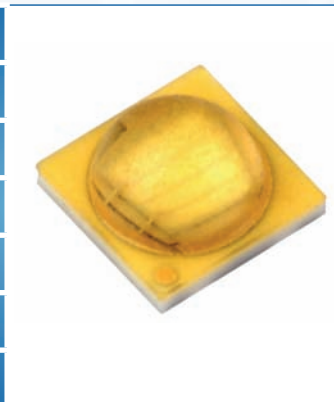
Able to operate at 200mA
High Reliability
Best Cost Performance
MacAdam 3 step in full range
Optimized for A19 and Down light
Less LED per bulb



Part No.	STW8C2SA			
PKG SIZE	3.0*3.0*0.65			
Chip	2 Chip			
Watt	0.6W	1W	0.6W	1W
CCT	5000K		3000K	
FLUX [lm]	85.3	115.0	78.0	109.6
VF [V]	6.3	6.6	6.3	6.7

## 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
ANSI compliant Binning
MacAdam 3 Step for Warm White



Part No.	CCT (K)	Typical Luminous Flux Φv [lm]			Typical Forward Voltage V <sub>F</sub>			CRI	Viewing Angle (degrees) 2θ <sub>1/2</sub> [°]
	Typ.	350mA	700mA	1.2A	350mA	700mA	1.2A	min.	typ.
SZ5-M1-W0-00	5300	155	282	429	2.95	3.14	3.33	70	118
SZ5-M1-WN-00	4000	150	273	415	2.95	3.14	3.33	70	118
SZ5-M1-WN-C8	4000	138	250	382	2.95	3.14	3.33	80	118
SZ5-M1-WW-C8	3000	128	231	353	2.95	3.14	3.33	80	118

# TOP-VIEW LEDs



SEOUL SEMICONDUCTOR



## Top View LED (White)

Part No.	Color	Size [mm]	VF [V]	Iv[mcd]	Iv[mcd] max	CCT[K]	IF [mA]	IF [mA] (max)	2θ½[°]	CRI
STW9B12C	White	3.0*2.0*0.6	3.2	11300	-	2600-4200	100	120	120	Min.90
STW8B12B	White	3.0*2.0*0.6	3.05	5050	-	2600-7000	40	80	120	Min.80
STW8B12C	White	3.0*2.0*0.6	3.15	11350	-	2600-7000	100	120	120	Min.80
C9WT821	White	3.2*2.8*1.9	3.3	4500	-	2600-7000	60	90	120	Typ.92
SWT821-S	White	3.2*2.8*1.9	3.2	5500	-	4800-12000	60	90	120	-
STW7T16A	White	5.0*5.0*1.4	3.1	7500	-	4700-7000	60	90	120	Typ.75
STW8T16A	White	5.0*5.0*1.4	3.1	6800	7500	3700-7000	60	90	120	Min.80
				6400	7000	2600-3700				
STW8T36B	White	5.0*5.0*1.4	3.2	6600	-	2600-8200	60	90	120	Min.80
STW9T36B	White	5.0*5.0*1.4	3.2	6000	-	2600-8200	60	90	120	Min.90
STW8Q14C	White	5.6*3.0*0.75	3.15	13600	-	2600-7000	100	160	120	Min.80
STW9Q14C	White	5.6*3.0*0.75	3.15	10200	-	2600-4200	100	160	120	Min.90
STW9Q14B	White	5.6*3.0*0.9	3.2	9500	-	2600-,500	100	160	120	Min.90
STW8Q14BE	White	5.6*3.0*0.9	3.2	12000	-	2600-7000	100	160	120	Min.80
KWT803-S	White	3.0*2.0*1.2	3.2	2100	2500	5300-8900	20	30	115	Min.60
C8WT803	White	3.0*2.0*1.2	3.2	1800	2300	2600-7000	20	30	115	Min.80
C9WT803	White	3.0*2.0*1.2	3.2	1500	2000	2600-7000	20	30	115	Min.90
ELWT801-S	White	3.2*2.8*1.9	3.4	840	1120	-	20	30	120	-
EWT801-S	White	3.2*2.8*1.9	3.4	1680	2240	-	20	30	120	-

## Top View LED (Color)

Part No.	Color	Size [mm]	VF [V]	Iv[mcd]	Iv[mcd] max	λd[nm]	IF [mA]	IF [mA] (max)	2θ½[°]
SAT802-S	Amber	3.2*2.8*1.9	2.4	1800	2240	616	50	70	120
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
MBT801-S	Blue	3.2*2.8*1.9	3.2	335	600	470	20	30	120

## P5-II



Z-Power series is designed for high current operation and high flux output applications. Z-Power LED's 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.

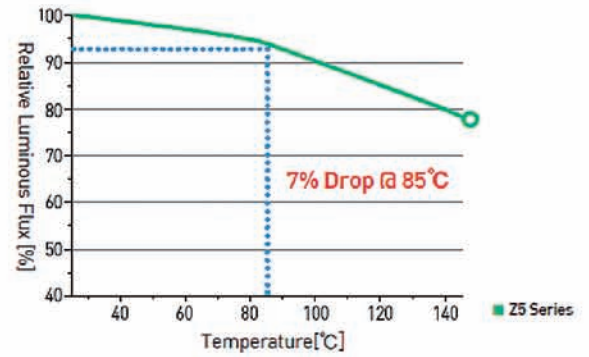
Series	Part No.	Color	VF [V]	Φv [lm]	Wavelength [nm]	IF [mA]	IF [mA] (max)	2θ½[°]
P5-II	F50360	Full Color	2.5	35	625	350	400	120
			3.8	57	525	350	400	120
			3.6	13	460	350	400	120

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

# 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.



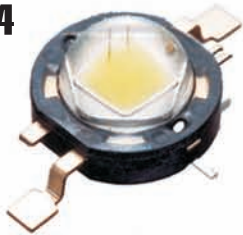
- LM80
- AEC-Q101
- ANSI compliant
- RoHS compliant:

Series	Part No.	Color	Watt	VF [V]	Φv [lm]	Wavelength [nm]	CRI[Typ]	IF [mA]	2θ[°]
Z5M1	SZ5-M1-WW-C8	Warm White	max 5.2	2.95	128	3000	min80	350	118
	SZ5-M1-WN-C8	Natural White	max 5.2	2.95	138	4000	min80	350	118
	SZ5-M1-WN-00	Natural White	max 5.2	2.95	150	4000	min70	350	118
	SZ5-M1-W0-00	Cool White	max 5.2	2.95	155	5300	min70	350	118
Z5P1	SZ5-P1-WW-C8	Warm White	max 3.4	3.05	115	3000	min80	350	118
	SZ5-P1-WN-C8	Natural White	max 3.4	3.05	128	4000	min80	350	118
	SZ5-P1-WN-00	Natural White	max 3.4	3.05	143	4000	min70	350	118
	SZ5-P1-W0-00	Cool White	max 3.4	3.05	148	5300	min70	350	118
Z5P0	SZ5-P0-WW-C8	Warm White	1	3.2	112	3000	min80	350	120
	SZ5-P0-WN-C8	Natural White	1	3.2	118.5	4200	min80	350	120
	SZ5-P0-WN-00	Natural White	1	3.2	125	4200	min65	350	120
	SZ5-P0-W0-00	Cool White	1	3.2	135	6000	70	350	120

Series	Part No.	Color	VF [V]	Φv [lm]	Wavelength [nm]	CRI[Typ]	IF [mA]	IF [mA] (max)	2θ[°]
Z5	SZW05A0B	Cool White	3.3	125	6000	70	350	700	120
	SZWN5A0B	Natural White	3.3	115	4200	min80	350	700	120
	SZWW5A0B	Warm White	3.3	100	3000	min80	350	700	120
	SZW05A0A	Cool White	3.3	105	6300	70	350	700	120

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



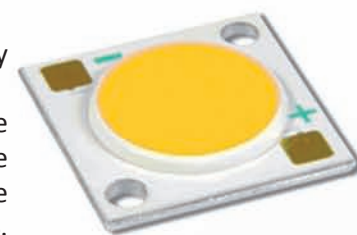
Z-Power LED P4 series is designed with Seoul Semiconductor's own phosphor and packaging technology.

The P4 emits 240 lm at 1 A of light and features the industry's highest luminous efficacy (100 lm/W @ 350 mA 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	min80	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

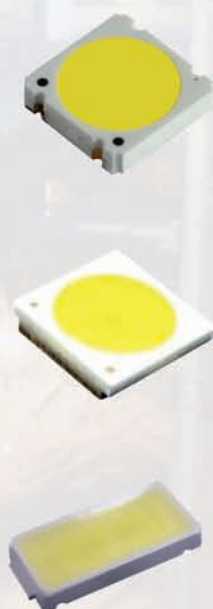
The ZC series is a High Flux and High Efficacy COB (Chip On Board) series designed for easy attachment to lighting fixtures - directly without any reflow process.

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]	5000CCT	CRI	IF [mA]	2θ[°]
SDW01F1C	Cool White	6.7	13.5x13.5	37	870	5000	min70	180	120
SDW81F1C	Warm White	6.7	13.5x13.5	37	710	2700	min80	180	120
SDW02F1C	Cool White	13.0	19.0x19.0	37	1780	5000	min70	350	120
SDW82F1C	Warm White	13.0	19.0x19.0	37	1440	2700	min80	350	120
SDW03F1C	Cool White	18.5	19.0x19.0	37	2520	5000	min70	500	120
SDW83F1C	Warm White	18.5	19.0x19.0	37	2050	2700	min80	500	120
SDW04F1C	Cool White	25.9	28.0x28.0	37	3650	5000	min70	700	120
SDW84F1C	Warm White	25.9	28.0x28.0	37	3000	2700	min80	700	120
SDW05F1C	Cool White	37.0	28.0x28.0	37	5030	5000	min70	1000	120
SDW85F1C	Warm White	37.0	28.0x28.0	37	4100	2700	min80	1000	120

A Japanese manufacturer of high quality and special color LEDs. The perfected phosphor mixing techniques, environmental robustness and reliability make these products perfect for special applications. High CRI for medical and other professional applications, dedicated colors for food lighting and high efficiency for industrial applications.

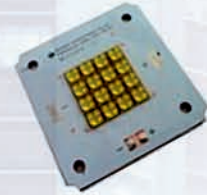
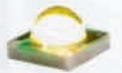
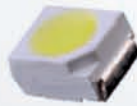


Color	Power	Chromacity coordinates		Flux (lm)@1W	CCT	
PURPLISH PINK	up to 2W	x=0.340	y=0.250	70	N/A	
YELLOWISH PINK	up to 2W	x=0.376	y=0.323	90	3700K	
ICE BLUE	up to 2W	x=0.230	y=0.273	110	N/A	
PALE BLUE	up to 2W	x=0.290	y=0.230	80	16800K	
VIOLET	up to 2W	x=0.337	y=0.319	100	5400K	
WARM WHITE	up to 2W	x=0.488	y=0.414	105	2400K	
DEEP WARM WHITE	up to 2W	x=0.527	y=0.413	90	2000K	
COOL WHITE	up to 2W	x=0.345	y=0.355	160	5000K	
WHITE	1W (2x3V chip)	According to bin selection		120@170mA	3000K 5000K	

OTHER COLORS AND CCT AVAILABLE FOR 3J, 6J AND 1N LEDS

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





**BRIGHTTEK**  
BRIGHTTEK (EUROPE) LIMITED

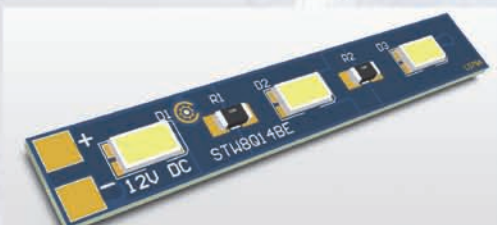
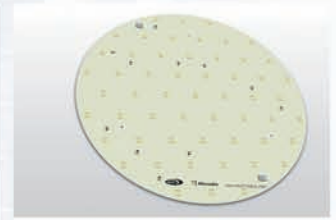
Brighttek is a Taiwanese manufacturer of lighting solutions, developing LEDs since 2001.

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

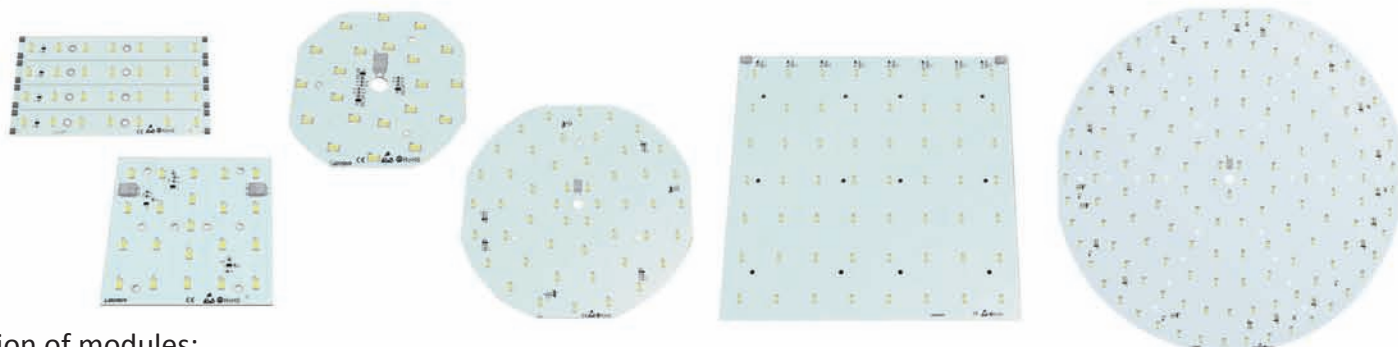
## DESIGN SUPPORT

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	15x0.8cm	24V CV (60mA or 120mA) or CC	1310	1445	1512	28	LEDMOD_L:15x0.8cm
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



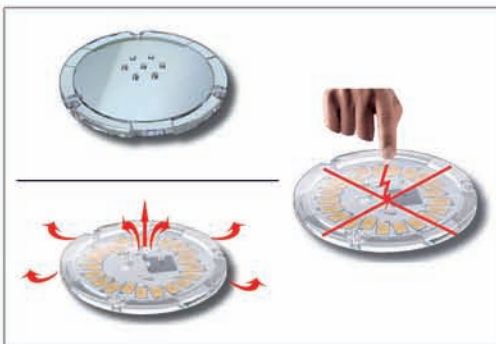
LEDs, with their high performance and long life, are growing exponentially in popularity. This tendency is even enhanced by the increasing efficiency and falling prices. However, to make the best possible use of all the benefits offered by LEDs, efficient thermal management is indispensable. To meet 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.



For exact part numbers please refer to the Fischer Elektronik f.cool.d catalogue.

## 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.



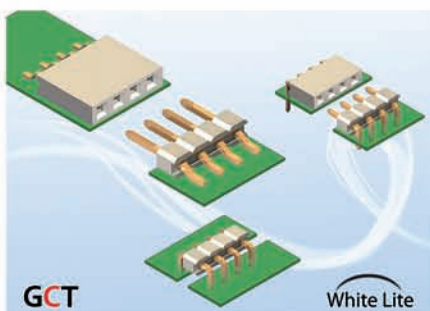
## Connectors for LED applications

### 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.



-  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  
IYYAMA  
MEDER  
GLOBAL CONNECTOR TECHNOLOGY  
FISCHER CONNECTORS  
JST  
LEAR  
MEDIKABEL  
METZ CONNECT  
MECAL  
EPSON  
ALPS ELECTRIC  
FISCHER ELEKTRONIK  
BRIGHTHEK  
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  
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.globalconnectortechnology.com  
www.fischerconnectors.com  
www.jst.de  
www.lear.com  
www.medikabel.de  
www.metz-connect.com  
www.mecal.com  
www.epsontoyocom.co.jp  
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.2.2

**GSM/UMTS**

**GPS/Glonass**

**LED**

**Embedded**

**Passive**

**Semicon**

**Electromech**

