

LEDs Catalog



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About Edison Opto

Edison Opto from New Taipei, Taiwan, was built in 2001.

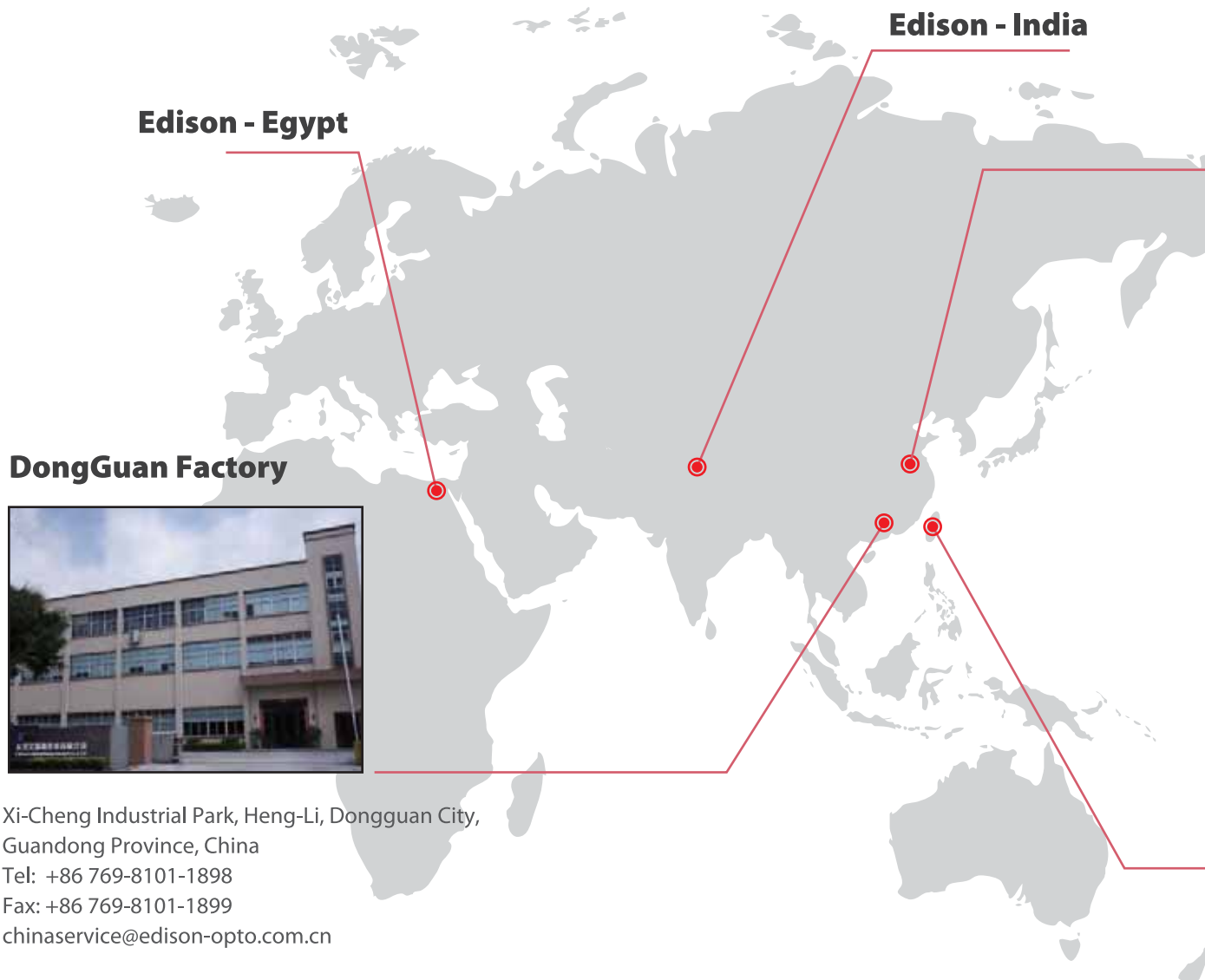
The company's mission is to provide customers with the complete LED lighting product line, this ranges from components, AC / DC modules, light strips, street / outdoor lighting, automotive lighting and horticulture lighting.

In particular, it established the integrated lighting design manufacturing service, **LDMS** Lighting Design Manufacturing Service, to help customers manage every issue while designing LED lighting products.

To provide prompt delivery service, Edison Opto has also established factories in Dongguan and Yangzhou.

Moreover, the company has also set up a subsidiary in USA to expand the service domain.

Main Business



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Quality System

Edison Opto has established LM-80 approved laboratory which is certified by Underwriters Laboratory (UL). In addition, The company has obtained ISO 14001 Certificate, ISO 9001, and IATF 16949 Certification.

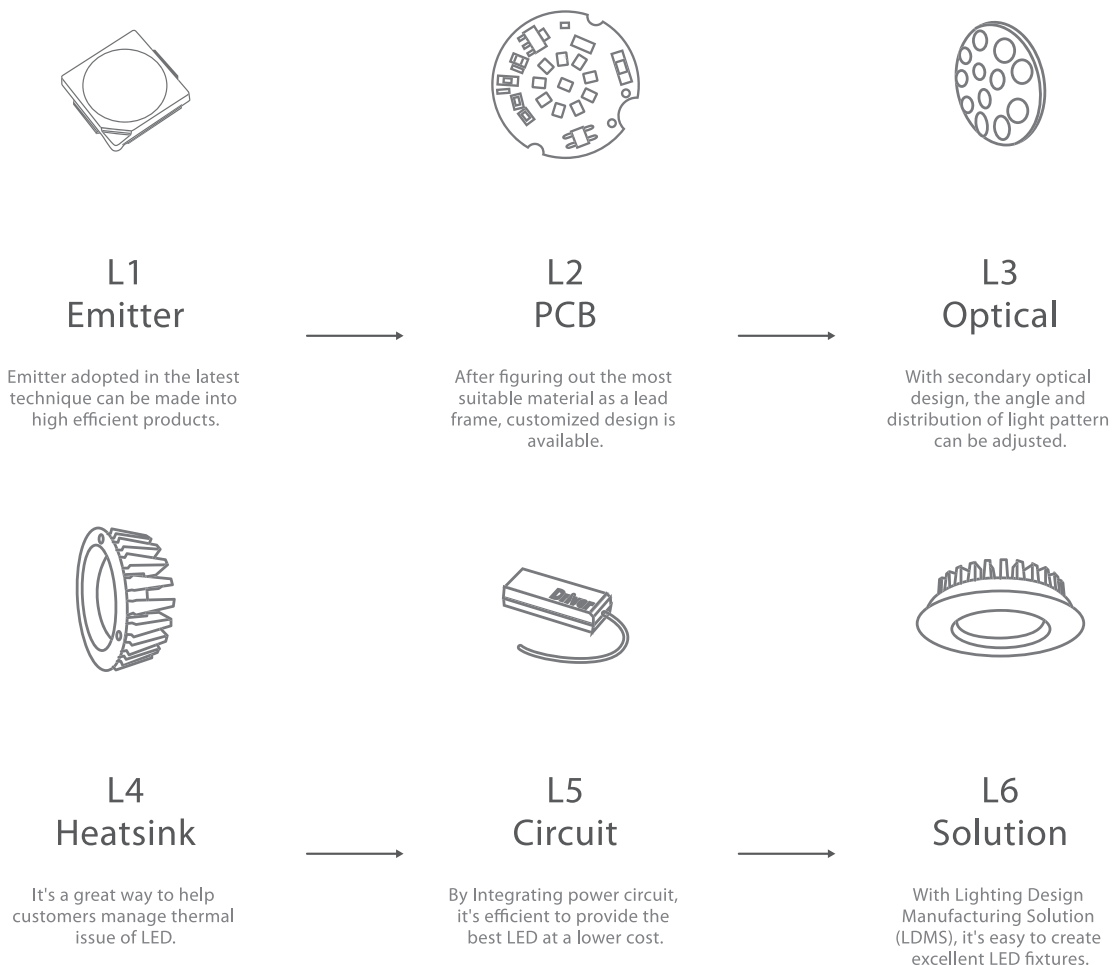
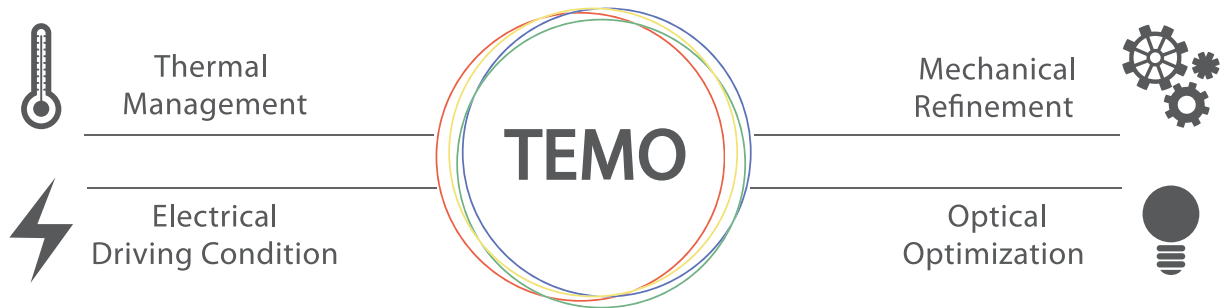


One DC-Source Support All Tests



Research and Development Technology

From components to luminaries, Edison Opto provides customers with a complete customized solution throughout all the stages of your product development process; this includes components, modules, optical design, and products. With Edison's LDMS program, we can help customers develop new solid state lighting products easily and quickly.



General Lighting Component

3014 Series

Featuring ultra high luminous efficacy combined with the slim and miniature size, PLCC 3014 Series is optimized to be used in restricted or bending space. We also offer high strength 3014 for special applications such as strip lighting.

Features and Benefits

- High luminous intensity and high efficiency
- High CRI (Ra) 80 and 90
- ANSI binning
- Suitable for all SMT assembly methods
- RoHS compliance
- Pass LM-80 verification

Main Applications



Commercial Lighting



Indoor Lighting



General Lighting



Decorative Lighting



Tube Lighting



Panel Lighting



0.1W HS Series (High Strength)

Order Code	Power (W)	Color	CCT (K)	Ra	Typ. Flux (lm)	VF (V)	IF (mA)	LM80
2T01X1CW11000010	0.1	CW	5000/5700/6500	80	13.5	3.0	30	●
2T01X1NW11000010		NW	4000		13.5			
2T01X1WW11000010		WW	2700/3000/3500		12.5			

【1】 More suitable for flexible strip design

0.1W

Order Code	Power (W)	Color	CCT (K)	Ra	Typ. Flux (lm)	VF (V)	IF (mA)	LM80
2T01X1CW14000001	0.1	CW	5000/5700/6500	80	14	3.0	30	●
2T01X1NW11000001		NW	4000		14			
2T01X1WW11000001		WW	2700/3000/3500		13			
2T01X1CW38000001	0.1	CW	5000/5700/6500	90	12	3.0	30	●
2T01X1NW38000001		NW	4000		11			
2T01X1WW38000001		WW	2700/3000/3500		11			

0.2W

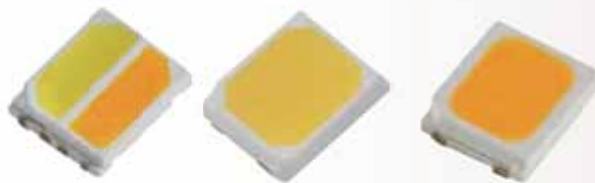
Order Code	Power (W)	Color	CCT (K)	Ra	Typ. Flux (lm)	VF (V)	IF (mA)	LM80
2T01X2CW14000001	0.2	CW	5000/5700/6500	80	24	3.1	60	●
2T01X2NW11000001		NW	4000		24			
2T01X2WW11000001		WW	2700/3000/3500		23			
2T01X2CW38000001	0.2	CW	5000/5700/6500	90	22	3.1	60	●
2T01X2NW38000001		NW	4000		21			
2T01X2WW38000001		WW	2700/3000/3500		20			



General Lighting Component

2835 Series

PLCC 2835 Series with miniature design which increases the flexibility in lamp design and expands a wide range of applications with extraordinary luminaire efficacy. Edison Opto also provides numerous wattage, various voltage, and two kinds of high CRI for choosing. As an high-end LED application, PLCC 2835 Series is the satisfying choice.



Features and Benefits

- Excellent performance up to 220 lm/W @ 65mA
- Wide beam angle 120°
- Suitable for all SMT assembly methods
- IR reflow process compatible
- RoHS compliance
- Pass LM-80 verification
- High CRI (Ra) 80 and 90

Main Applications



Commercial Lighting



Indoor Lighting



General Lighting



Decorative Lighting



Bulb



Outdoor Lighting



Downlight



0.2W 3V Series

Order Code	Power (W)	Color	CCT (K)	Ra	Typ. Flux (lm)	VF (V)	IF (mA)	LM80
2T03X2CW11000002	0.2	CW	5000/5700/6500	80	28	3.2	60	●
2T03X2NW11000002		NW	4000		28			
2T03X2WW11000002		WW	2700/3000/3500		26			
2T03X2CW38000001	0.2	CW	5000/5700/6500	90	25	3.2	60	●
2T03X2NW38000001		NW	4000		24			
2T03X2WW38000001		WW	2700/3000/3500		21			

0.2W HS Series (High Strength)

Order Code	Power (W)	Color	CCT(K)	Ra	Typ. Flux (lm)	VF (V)	IF (mA)	LM80
2T03X2CW11000016	0.2	CW	5000/5700/6500	80	27	3.1	60	●
2T03X2NW11000016		NW	4000		27			
2T03X2WW11000016		WW	2700/3000/3500		26			
2T03X2CWA9003002	0.2	CW	5000/5700/6500	90	26	3.1	60	●
2T03X2NWA9003002		NW	4000		25.5			
2T03X2WWA9003002		WW	2700/3000/3500		24			

【1】 More suitable for flexible strip design

0.2W HS Series-HE (High Strength)

Order Code	Power (W)	Color	CCT(K)	Ra	Typ. Flux (lm)	VF (V)	IF (mA)	LM80
2T03X8CWA8003008	0.2	CW	5000/5700/6500	80	34.5	2.85	65	●
2T03X8NWA8003008		NW	4000		34.5			
2T03X8WWA8003008		WW	2700/3000/3500		32			
2T03X8CWA9003104	0.2	CW	5000/5700/6500	90	30	2.85	65	●
2T03X8NWA9003104		NW	4000		30			
2T03X8WWA9003104		WW	2700/3000/3500		29			

【1】 More suitable for flexible strip design

HE Series (High Efficiency)

Order Code	Power (W)	Color	CCT (K)	Ra	Typ. Flux (lm)	VF (V)	IF (mA)	lm/W	LM80
2T03X8CW11000014	0.2	CW	5000/5700/6500	80	35	2.85	65	189	●
2T03X8NW11000014		NW	4000		35			189	
2T03X8WW11000014		WW	2700/3000/3500		33			178	
2T03X8CWA9003103	0.2	CW	5000/5700/6500	90	32	2.85	65	173	●
2T03X8NWA9003103		NW	4000		31			168	
2T03X8WWA9003103		WW	2700/3000/3500		30			162	

UE Series (Ultra Efficiency)

Order Code	Power (W)	Color	CCT (K)	Ra	Typ. Flux (lm)	VF (V)	IF (mA)	lm/W	LM80
2T03X865A8003005	0.2	CW	6500	80	38	2.72	65	215	●
2T03X857A8003005		CW	5700		38			215	
2T03X850A8003005		CW	5000		39			220	
2T03X840A8003005		NW	4000		39			220	
2T03X835A8003005		WW	3500		37			210	
2T03X830A8003005		WW	3000		36			204	
2T03X827A8003005		WW	2700		35			198	

0.5W 3V Series

Order Code	Power (W)	Color	CCT (K)	Ra	Typ. Flux (lm)	VF (V)	IF (mA)	LM80
2T03X5CW11000002	0.5	CW	5000/5700/6500	80	70	3.2	150	●
2T03X5NW11000003		NW	4000		70			
2T03X5WW11000003		WW	2700/3000/3500		65			
2T03X5CW38000001	0.5	CW	5000/5700/6500	90	62	3.2	150	●
2T03X5NW38000001		NW	4000		60			
2T03X5WW38000001		WW	2700/3000/3500		57			

1W 6V Series

Order Code	Power (W)	Color	CCT(K)	Ra	Typ. Flux (lm)	VF (V)	IF (mA)	LM80
2T0301CWA8006001	1.0	CW	5000/5700/6500	80	135	6.4	150	●
2T0301NWA8006001		NW	4000		135			
2T0301WWA8006001		WW	2700/3000/3500		125			

1W 6V HE Series (High Efficiency)

Order Code	Power (W)	Color	CCT (K)	Ra	Typ. Flux (lm)	VF (V)	IF (mA)	lm/W	LM80
2T0301CW11000012	1.0	CW	5000/5700/6500	80	145	6.1	150	159	●
2T0301NW11000012		NW	4000		145			159	
2T0301WW11000012		WW	2700/3000/3500		135			148	

1W 6V UE Series (Ultra Efficiency)

Order Code	Power (W)	Color	CCT (K)	Ra	Typ. Flux (lm)	VF (V)	IF (mA)	lm/W	LM80
2T030165A8006001	1.0	CW	6500	80	150	6.1	150	164	●
2T030157A8006001		CW	5700		155			169	
2T030150A8006001		CW	5000		155			169	
2T030140A8006001		NW	4000		155			169	
2T030135A8006001		WW	3500		150			164	
2T030130A8006001		WW	3000		145			158	
2T030127A8006001		WW	2700		140			153	

1W 9V Series

Order Code	Power (W)	Color	CCT (K)	Ra	Typ. Flux (lm)	VF (V)	IF (mA)	LM80
2T0301CW11000011	1.0	CW	5000/5700/6500	80	125	9.5	100	●
2T0301NW11000011		NW	4000		125			
2T0301WW11000011		WW	2700/3000/3500		120			
2T0301CWA9009001	1.0	CW	5000/5700/6500	90	115	9.5	100	●
2T0301NWA9009001		NW	4000		115			
2T0301WWA9009001		WW	2700/3000/3500		105			

1W 18V Series

Order Code	Power (W)	Color	CCT (K)	Ra	Typ. Flux (lm)	VF (V)	IF (mA)	LM80
2T0301CWA8018001	1.0	CW	5000/5700/6500	80	145	19	60	●
2T0301NWA8018001		NW	4000		145			
2T0301WWA8018001		WW	2700/3000/3500		135			

Dual Color Series

Order Code	Power One Side (W)	Color	CCT (K)	Ra	Typ. Flux (lm)	VF (V)	IF (mA)	LM80
2T03X5WCA8833001	0.2	CW	5000/5700/6500	80	26	3.1	60	●
2T03X5WNA8833001		NW	4000		26			
2T03X5WWA8833001		WW	2700/3000/3500		25			
2T0301WCA8833001	0.5	CW	5000/5700/6500	80	55	3.1	120	●
2T0301WNA8833001		NW	4000		55			
2T0301WWA8833001		WW	2700/3000/3500		50			

General Lighting Component

5050 RGB / RGBW Series

PLCC 5050 RGB/W 3 in 1 & 4 in 1 Series, Three colors (RGB) high density integration. RGB+W Can achieve more evenly mixing light effect. Four colors (RGB+W) can be controlled separately, which can adjust light color on the demand of the scene.



Features and Benefits

- RGB/W 3 in 1 & 4 in 1, more color options
- Dimmable Design
- Wide viewing angle : 120°
- Suitable for all SMT assembly methods
- IR reflow process compatible
- Environmental friendly ; ROHS compliance

Main Applications



Commercial
Lighting



Signal
Lighting



Decorative
Lighting



5050 RGB

Order Code	Color	Forward Current(mA)	Forward Voltage(V)		luminous Intensity(mcd)		Wd(nm)		Ra
			Min.	Max.	Min.	Max.	Min.	Max.	
2T04X2M100000001	Red	20	1.9	2.5	600	900	620nm	630nm	-
	Green	20	2.8	3.4	1500	2200	520nm	535nm	-
	Blue	20	2.8	3.4	200	500	460nm	475nm	-

5050 RGBW

Order Code	Color	Forward Current(mA)	Forward Voltage(V)		luminous Intensity(mcd)		Wd(nm)/ CCT(K)		Ra
			Min.	Max.	Min.	Max.	Min.	Max.	
2T04X2MCA8003001 2T04X2MNA8003001 2T04X2MWA8003001	Red	20	1.9	2.5	600	900	620nm	625nm	-
	Green	20	2.8	3.4	1500	2200	520nm	525nm	-
	Blue	20	2.8	3.4	200	500	465nm	470nm	-
	White	20	2.8	3.1	2000	3000	2700K	6500K	70 / 80



General Lighting Component

5630 Series

Edison Opto has released the latest PLCC series, 5630, to provide customers high efficient components with tiny design. PLCC 5630 series with outstanding luminous efficacy which reaches 200 lm / w while current is 65 mA. With satisfying luminous output and miniature size, PLCC 5630 series is ideal for any kinds of lighting application, such as general illumination, tube light source, indoor/outdoor display, and commercial lighting.

Features and Benefits

- Deliver supreme lm/w (up to 200 lm/W @ 65mA)
- High luminous intensity and high efficiency
- Suitable for all SMT assembly methods
- Ideal for any kind of lighting sources
- Pass LM-80 verification
- High CRI (Ra) 80 and 90

Main Applications



Commercial Lighting



Indoor Lighting



Outdoor Lighting



General Lighting

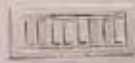


Decorative Lighting



0.5W 3V Series

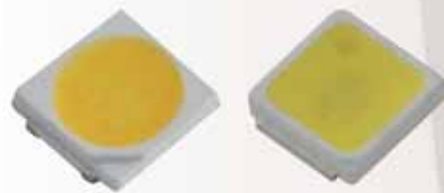
Order Code	Power (W)	Color	CCT (K)	Ra	Typ. Flux (lm)	VF (V)	IF (mA)	LM80
2T05X5CWA8003003	0.5	CW	5000/5700/6500	80	73	3.2	150	
2T05X5NWA8003003		NW	4000		73			
2T05X5WWA8003003		WW	2700/3000/3500		67			
2T05X5CWA9003102		CW	5000/5700/6500	90	63			
2T05X5NWA9003102		NW	4000		63			
2T05X5WWA9003102		WW	2700/3000/3500		57			



General Lighting Component

EMC 3030 Series

EMC 3030 series a surface - mount LED, uses standard package dimension of 3.0 x 3.2 x 0.6 mm to decrease the size of components. With the low heat - resistant design, EMC 3030 series is suitable for high power applications in high - end LED market, such as boutique and luxury apparel stores.



Features and Benefits

- Wide beam angle 120°
- Ra80 & Ra70
- Luminous Flux : typ. 160 lm @ 150mA
- Luminous efficacy : typ. 175 lm / W @ 150mA
- EMC based package affirms lumen maintenance and long lifetime

Main Applications



Street Light



High Bay



Outdoor Lighting



Wall Washer Light



Industrial Light



Flood Light



HE Series (High Efficiency)

Order Code	Power (W)	Color	CCT (K)	Ra	Typ. Flux (lm)	VF (V)	IF (mA)	lm/W	LM80
2T120165A7006003	1.0	CW	6500	70	150	6.2	150	162	●
2T120157A7006003		CW	5700		155			167	
2T120150A7006003		CW	5000		155			167	
2T120140A7006003		NW	4000		155			167	
2T120135A7006003		WW	3500		150			162	
2T120130A7006003		WW	3000		145			156	
2T120127A7006003		WW	2700		140			151	
2T120165A8006003	1.0	CW	6500	80	140	6.2	150	151	●
2T120157A8006003		CW	5700		145			156	
2T120150A8006003		CW	5000		145			156	
2T120140A8006003		NW	4000		145			156	
2T120135A8006003		WW	3500		140			151	
2T120130A8006003		WW	3000		135			146	
2T120127A8006003		WW	2700		130			140	

UE Series (Ultra Efficiency)

Order Code	Power (W)	Color	CCT (K)	Ra	Typ. Flux (lm)	VF (V)	IF (mA)	lm/W	LM80
2T120165A7006004	1.0	CW	6500	70	165	6.1	150	170	●
2T120157A7006004		CW	5700		160			175	
2T120150A7006004		CW	5000		160			175	
2T120140A7006004		NW	4000		160			175	
2T120135A7006004		WW	3500		155			170	
2T120130A7006004		WW	3000		150			164	
2T120127A7006004		WW	2700		145			159	
2T120165A8006004	1.0	CW	6500	80	145	6.1	150	159	●
2T120157A8006004		CW	5700		150			164	
2T120150A8006004		CW	5000		150			164	
2T120140A8006004		NW	4000		150			164	
2T120135A8006004		WW	3500		145			159	
2T120130A8006004		WW	3000		140			153	
2T120127A8006004		WW	2700		135			148	

1W 3V Series

Order Code	Power (W)	Color	CCT (K)	Ra	Typ. Flux (lm)	VF (V)	IF (mA)	LM80
2T1202CW05000004	1.0	CW	5000/5700/6500	70	165	3.2	350	●
2T1202NW05000004		NW	4000		165			
2T1202WW05000004		WW	2700/3000/3500		155			

Single Color Series

Order Code	Power (W)	Color	Wd(nm)	Ra	Typ. Flux (lm)	VF (V)	IF (mA)	LM80
2T1202AX190000001	1.0	PC Amber	X:0.5775 / Y:0.4132	-	120	3.26	350	-
2T1202BX000000001		Blue	467		24	3.2		
2T1202RX000000001		Red	622		39.4	2.14		

General Lighting Component

EMC 5050 Series

EMC 5050 is a surface - mount LED which uses standard package dimension of 5.8 x 5.2 x 0.75 mm, enabling drop - in replacement for existing 5050 packages. Besides, EMC package is heat-resistant and especially suitable for high power applications. 5050 Series comes in all ANSI CCTs and delivers the efficacy and reliability required for outdoor street light applications.

Features and Benefits

- Wide beam angle 120°
- Ra80 & Ra70
- Luminous Flux : typ. 660 lm
- Luminous efficacy : typ. 167 lm / W
- 6V and 24V options available to optimize total voltage output

Main Applications



Street Light



High Bay



Outdoor Lighting



Wall Washer Light



Spot Light



PAR Lamp



EMC 5050 6V Series

Order Code	Power (W)	Color	CCT (K)	Ra	Typ. Flux (lm)	VF (V)	IF (mA)	lm/W	LM80
2T040565A7006002	4.0	CW	6500	70	639	6.2	640	161	●
2T040557A7006002		CW	5700		660			167	
2T040550A7006002		CW	5000		660			167	
2T040540A7006002		NW	4000		660			167	
2T040535A7006002		WW	3500		639			161	
2T040530A7006002		WW	3000		617			156	
2T040527A7006002		WW	2700		596			151	
2T040565A8006002	4.0	CW	6500	80	600	6.2	640	152	●
2T040557A8006002		CW	5700		620			157	
2T040550A8006002		CW	5000		620			157	
2T040540A8006002		NW	4000		620			157	
2T040535A8006002		WW	3500		600			152	
2T040530A8006002		WW	3000		580			147	
2T040527A8006002		WW	2700		560			142	

EMC 5050 24V Series

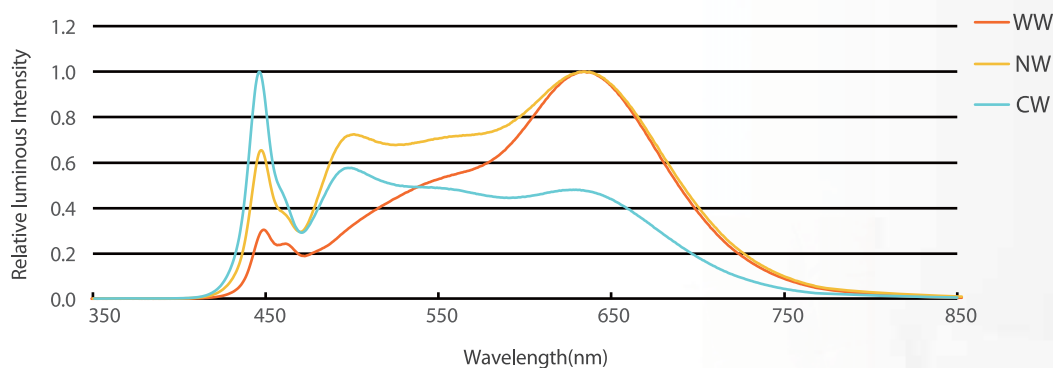
Order Code	Power (W)	Color	CCT (K)	Ra	Typ. Flux (lm)	VF (V)	IF (mA)	lm/W	LM80
2T040565A7024002	4.0	CW	6500	70	639	24.8	160	161	●
2T040557A7024002		CW	5700		660			167	
2T040550A7024002		CW	5000		660			167	
2T040540A7024002		NW	4000		660			167	
2T040535A7024002		WW	3500		639			161	
2T040530A7024002		WW	3000		617			156	
2T040527A7024002		WW	2700		596			151	
2T040565A8024002	4.0	CW	6500	80	600	24.8	160	152	●
2T040557A8024002		CW	5700		620			157	
2T040550A8024002		CW	5000		620			157	
2T040540A8024002		NW	4000		620			157	
2T040535A8024002		WW	3500		600			152	
2T040530A8024002		WW	3000		580			147	
2T040527A8024002		WW	2700		560			142	

Full Spectrum (TM30) Series

PLCC 2835 Full spectrum Series features High Color Quality with Ra Min.95 and compact package size which increase the exhibility in lamp design and expand the range of applications. With the outperforming efficiency, PLCC 2835 Full spectrum Series is optimized to be used in high-end LED market such as boutique and luxury apparel store.



PLCC 2835 Full Spectrum (TM30)



Features and Benefits

- High Color Quality with Ra min.95
- R1-R15 min.90 with full color design
- Suitable for all SMT assembly methods
- More color options

Main Applications



Commercial Lighting



Indoor Lighting



General Lighting



Decorative Lighting



Downlight



HE Full Spectrum

Order Code	Power (W)	Color	CCT (K)	Ra	Typ. Flux (lm)	VF (V)	IF (mA)	LM80
2T03X8CWA95003001	0.2	CW	5000/5700/6500	95 ^[1]	24	2.8	65	●
2T03X8NWA95003001		NW	4000		24			
2T03X8WWA95003001		WW	2700/3000/3500		23			

【1】 Color rendering index R1-R15 > 90

2835 Dual Color Full Spectrum

Order Code	Power One Side (W)	Color	CCT (K)	Ra	Typ. Flux (lm)	VF (V)	IF (mA)	LM80
2T03X5WCATM33001	0.2	CW	5000/5700/6500	95 ^[1]	21	3.1	60	●
2T03X5WNATM33001		NW	4000		21			
2T03X5WWATM33001		WW	2700/3000/3500		19			

【1】 Color rendering index R1-R15 > 90



Horticulture, Aqua, Fresh Food Lighting Component

Horticulture & Aqua Series from Edison Opto are ideal for green houses, vertical farms, and aquarium. The series features high PPFD and wide range of color spectrum to reduce the cost and improve crop yield.



PLCC 2835



PLCC 3014



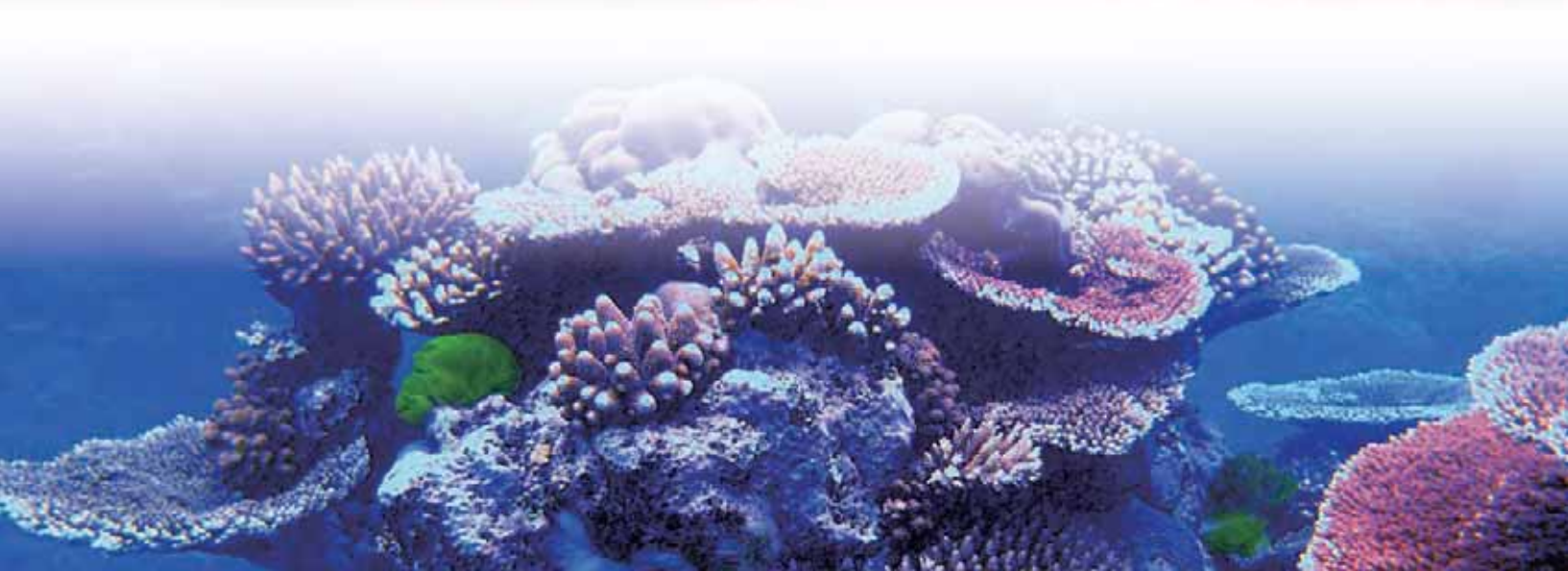
EMC 3030



Federal 3535

Features and Benefits

- High Intensity and the color uniformity
- Beneficial for plant growth
- Reduce the cost of cultivation
- Easy to collocate the color spectrum



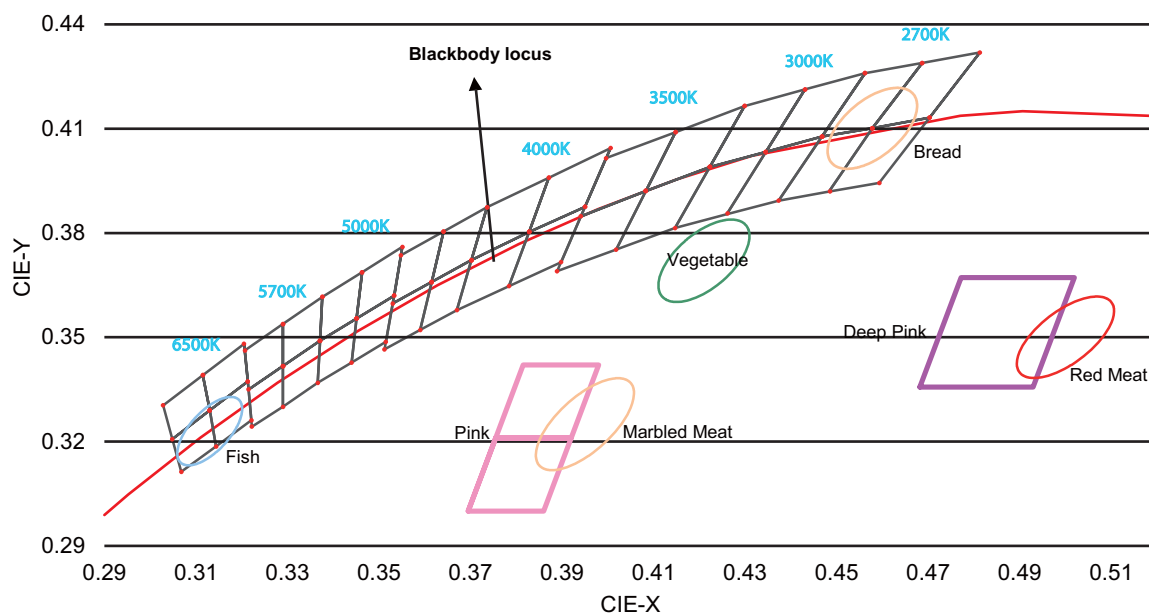
3014 Pink Series

Order Code	Power (W)	Color	Center Point (x , y)	Typ. Flux (lm)	VF (V)	IF (mA)	LM80
2T01X1PX18000001	0.1	Pink	0.383 , 0.321	11	3	30	-
2T01X1PX18000002	0.1	Deep Pink	0.485 , 0.351	10	3	30	

2835 Fresh Food Lighting Series

Order Code	Power (W)	Application	Center Point (x , y)	Typ. Flux (lm)	Ra	VF (V)	IF (mA)	LM80
2T03X8MMA8003001	0.2	Marbled Meat	0.395 , 0.325	22	80	2.85	65	-
2T03X8RMA8003001		Red Meat	0.500 , 0.350	17	80	2.85	65	
2T03X8BRA9003001		Bread	0.457 , 0.410	26	90	2.85	65	
2T03X8FIA9003001		Fish	0.313 , 0.323	30	90	2.85	65	
2T03X8VEA9003001		Vegetable	0.421 , 0.372	27	90	2.85	65	
2T03X2PXX0003002		Deep Pink	0.485 , 0.351	13.5	80	3.25	60	

Fresh Food Lighting Coordinate



2835 Horticulture & Aqua Series (Single Color)

Order Code	Power (W)	Color	Wp (nm)	Typ. PPF (umol / s)	VF (V)	IF (mA)
2T03X5BXH0003001	0.5	Blue	450 - 460	0.7 - 1.0	2.8 - 3.4	150
2T03X5EXH0003001		Deep Red	650 - 670	0.6 - 0.9	1.9 - 2.5	
2T03X5FXH0003001		Cherry Red	730 - 750	0.6 - 0.9	1.6 - 2.2	

2835 Horticulture & Aqua Series (Phosphor - Converted)

Order Code	Power (W)	Color	Blue%	Typ. PPF (umol / s)	VF (V)	IF (mA)
2T03X5A0H0003001	0.5	A0	5% Blue ^{【1】}	0.4 - 0.7	3.1 - 3.4	150
2T03X5A1H0003001		A1	10% Blue	0.6 - 0.9		
2T03X5A2H0003001		A2	15% Blue	0.6 - 0.9		
2T03X5A3H0003001		A3	20% Blue	0.6 - 0.9		
2T03X5A4H0003001		A4	30% Blue	0.6 - 0.9		
2T03X5LXH0003001		LX	-	0.7 - 1.0		

【1】 PPF in blue spectrum ranges from 5% of total PPF in PRA.

3030 Horticulture & Aqua Series (Single Color)

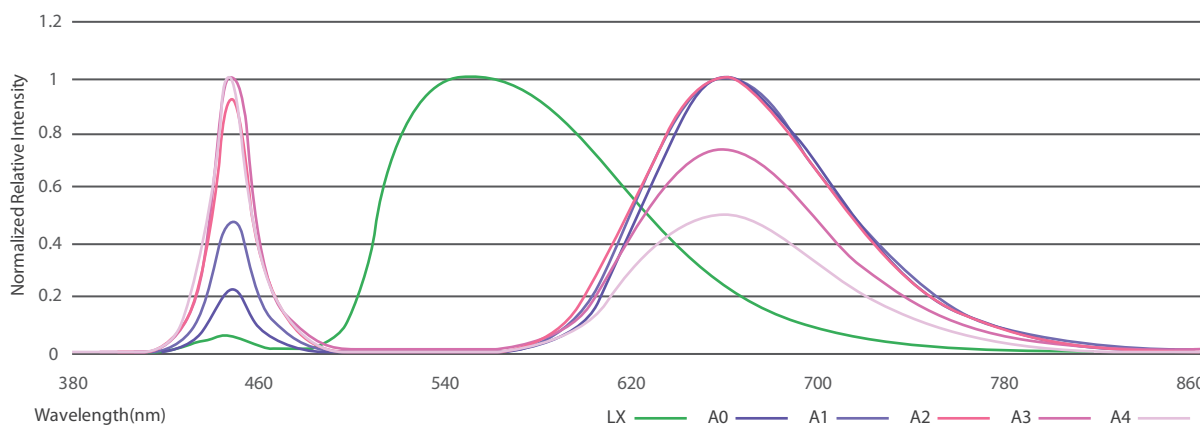
Order Code	Power (W)	Color	Wp (nm)	Typ. PPF (umol / s)	VF (V)	IF (mA)
2T1201BXH0003001	1.0	Blue	450 - 460	1.7 - 2	2.8 - 3.4	350
2T1201EXH0003001		Deep Red	650 - 670	1.4 - 1.7	1.9 - 2.5	
2T1201FXH0003001		Cherry Red	730 - 750	1.4 - 1.7	1.6 - 2.2	

3030 Horticulture & Aqua Series (Phosphor - Converted)

Order Code	Power (W)	Color	Blue%	Typ. PPF (umol / s)	VF (V)	IF (mA)
2T1201A0H0003001	1.0	A0	5% Blue ^[1]	1.3 - 1.6	3.1 - 3.4	350
2T1201A1H0003001		A1	10% Blue	1.5 - 1.8		
2T1201A2H0003001		A2	15% Blue	1.5 - 1.8		
2T1201A3H0003001		A3	20% Blue	1.6 - 1.9		
2T1201A4H0003001		A4	30% Blue	1.6 - 1.9		
2T1201LXH0003001		LX	-	1.8 - 2.2		

【1】 PPF in blue spectrum ranges from 5% of total PPF in PRA.

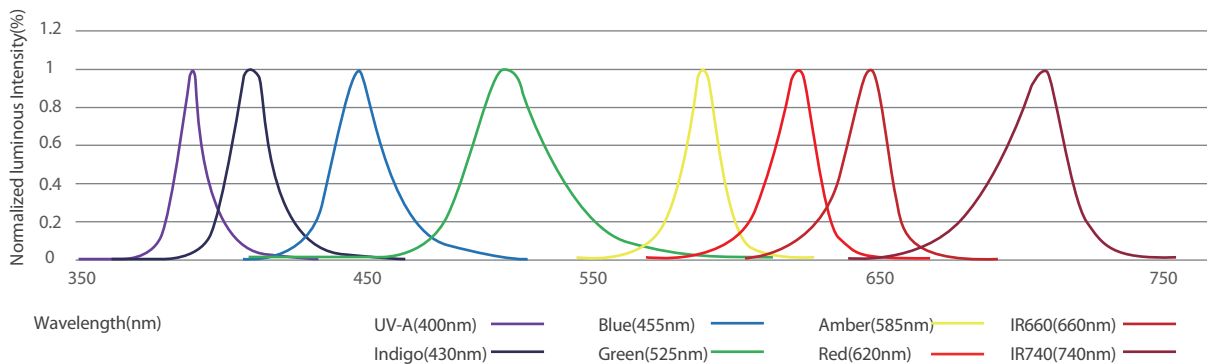
PLCC 3030 / 2835 Phosphor - Converted Series



Federal Horticulture & Auqa Series (350mA)

Order Code	Power (W)	Color	Wd / Wp (nm)	Typ. PPF (umol / s)	VF (V)	Typ.Luminous power(mW)
2FX001VX00F02H01	1.0	Ultraviolet	390 - 410	0.6 - 1.4	2.8 - 3.7	-
2FX001DX00F02H01		Indigo	415 - 435	1.7 - 2.0	2.8 - 3.7	-
2FX001BX00F02H01		Blue	455 - 470	1.7 - 2.1	2.8 - 4.0	-
2FX001TX00F02H01		True Green	520 - 535	0.7 - 1.1	2.8 - 4.0	-
2FX001AX00F02H01		Amber	585 - 596	0.5 - 0.8	1.6 - 2.8	-
2FX001RX00F02H01		Red	620 - 670	1.2 - 1.5	1.6 - 2.8	-
2FX001EX00F02H01		Deep Red	650 - 670	1.8 - 2.4	1.3 - 2.5	420 - 500
2FX001FX00F02H01		Cherry Red	720 - 745	-	1.3 - 2.5	280 - 300
2FX001CW06F02H01		CW	5000 - 10000	1.6 - 2.1	2.8 - 3.7	-
2FX001NW05F02H01		NW	3800 - 5000	1.1 - 1.9	2.8 - 3.7	-
2FX001WW05F02H01		WW	2670 - 3800	1.0 - 1.7	2.8 - 3.7	-

Federal 3535 - Color Series





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