



Mid Power LED
Edixeon / Federal

2013

Lighting Design Manufacturing Service

Edixeon / Federal Series

Edixeon Series Order Code Structure

2 E xx 0x xx xx 000 xxx
 X1 X2 X3 X4 X5 X6 X7 X8

X1 Type	X2 Component	X3 Series	X4 Wattage	X5 Color
	E: Edixeon	A1: A Series R1: S Series	01: 1W 03: 3W	CW: Cool White NW: Neutral White WW: Warm White M1: RTB
X6 Internal Code	X7 PCB Board	X8 Serial Number		

Federal Series Order Code Structure


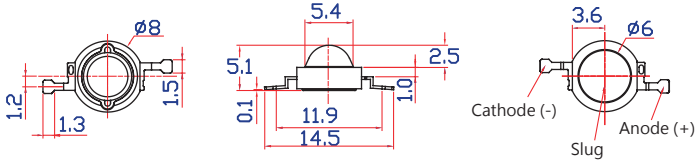

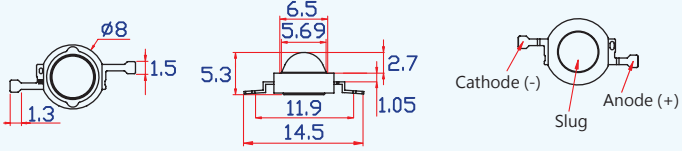
2 F xx 0x xx xx 000 xxx
 X1 X2 X3 X4 X5 X6 X7 X8

X1 Type	X2 Component	X3 Series	X4 Wattage	X5 Color
	F: Federal	X0: 3535 R0: 3045 M0: 5050	01: 1W 04: 4W	CW: Cool White NW: Neutral White WW: Warm White RX: Red TX: True Green BX: Blue AX: Amber M2: RGBW M3: RGBA M4: RGGB M6: RGBH
X6 Internal Code	X7 PCB Board	X8 Serial Number		

Edixeon / Federal Series Luminous Range




Wattage (W)	Order Code	Type	Luminous Range (lm)				
			100	200	300	400	500
1W	2EA101CW06000001	Edixeon	90	120			
1W	2EA101CW06000002	Edixeon	100	130			
1W	2ER101CW02000002	Edixeon	120	150			
1W	2ER101CW06000001	Edixeon	100	130			
3W	2ER103CW06000002	Edixeon			190	230	
1/3W	2FX001CW06F02001	Federal	100	130			
1/3W	2FR001CW02F01001	Federal	90	120			
4/10W	2FM004CW06F03001	Federal					370 470

Edixeon Series Dimension


Order Code	Image	Drawing Dimension (mm)
2EA101xx0x000xxx		
2EA101xx0x000xxx		
2ER101xWxx000xxx		
2ER101xW0x000xxx		
2ER103xW0x000xxx		

Edixeon Series Spec.

Edixeon White Series

Wattage (W)	Image	Order Code	CCT (K)	I _F (mA)	V _F (V)	Typ. Flux (lm)	CRI	Efficacy (lm/W)
1W		2EA101CW06000001	5000~10000K	350	3.2	105	70	90
		2EA101NW05000001	3800~5000K	350	3.2	90	75	80
		2EA101WW05000001	2670~3800K	350	3.2	80	80	70
1W		2EA101CW06000002	5000~10000K	350	3.2	120	70	107
		2EA101NW05000002	3800~5000K	350	3.2	95	75	85
		2EA101WW05000002	2670~3800K	350	3.2	85	80	75
1W		2ER101CW02000002	5000~10000K	350	3.2	135	70	117
2ER101WW11000001		2670~3800K	350	3.2	110	80	95	
1W		2ER101CW06000001	5000~10000K	350	3.6	120	70	107
		2ER101NW05000001	3800~5000K	350	3.6	95	75	85
		2ER101WW05000001	2670~3800K	350	3.6	85	80	76
3W		2ER103CW06000002	5000~10000K	700	3.6	210	70	85
	2ER103NW05000001	3800~5000K	700	3.6	170	75	70	
	2ER103WW05000001	2670~3800K	700	3.6	150	80	60	

Edixeon Color Series

Wattage (W)	Image	Order Code	Color	CCT (nm)	I _F (mA)	V _F (V)	Typ. I _v (lm)
1W		2ER101M100000004	●	620~630nm	350	2.2	40
			●	520~535nm	350	3.4	80
			●	460~475nm	350	3.4	15

Federal Series Dimension

Order Code	Image	Drawing Dimension (mm)
2FX001xW0xF02001		
2FR001xW0xF01001		
2FM004xW0xF03001		

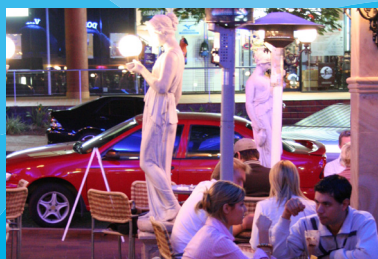
Federal Series Spec.

Federal White Series

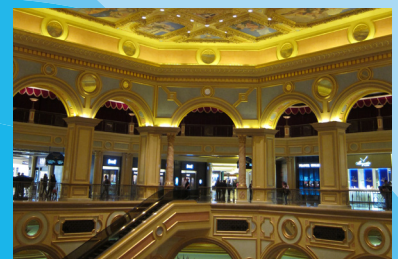
Wattage (W)	Image	Order Code	CCT (K)	I _F (mA)	Typ.		CRI	Efficacy (lm/W)
					V _F (V)	Flux (lm)		
1/3W		2FX001CW06F02001	5000~10000K	350/700	3.2 / 3.5	120 / 210	70	105
		2FX001NW05F02001	3800~5000K	350/700	3.2 / 3.5	110 / 190	75	90
		2FX001WW05F02001	2670~3800K	350/700	3.2 / 3.5	85 / 150	80	80
1/3W		2FR001CW02F01001	5000~10000K	350/700	3.2 / 3.5	105 / 185	70	95
		2FR001NW01F01001	3800~5000K	350/700	3.2 / 3.5	90 / 160	75	80
		2FR001WW01F01001	2670~3800K	350/700	3.2 / 3.5	70 / 125	80	70
4/10W		2FM004CW06F03001	5000~10000K	350/700	3.2 _{/chip} / 3.5	410 / 710	70	100
		2FM004NW05F03001	3800~5000K	350/700	3.2 _{/chip} / 3.5	350 / 610	75	85
		2FM004WW05F03001	2670~3800K	350/700	3.2 _{/chip} / 3.5	310 / 540	80	75



Residential Lighting

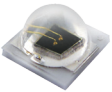
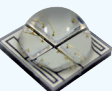
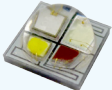
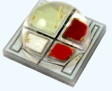


Outdoor Lighting



Hospitality Lighting

Federal Color Series

Wattage (W)	Image	Order Code	Color	CCT/ λ_d (K/nm)	I _f (mA)	V _f (V)	Typ. Flux (lm/mW)	2 $\theta_{1/2}$ (TYP.) Lambertian
1/3W		2FX001RX00F02001	●	620~630nm	350/700	2.1 / 2.4	50 / 95	105°
		2FX001AX00F02001	●	585~595nm	350/700	2.1 / 2.4	50 / 95	105°
		2FX001TX00F02001	●	520~535nm	350/700	3.4 / 3.8	80 / 140	110°
		2FX001BX00F02001	●	455~475nm	350/700	3.2 / 3.6	20 / 35	105°
		2FX001IX00F02001	●	835~870nm*	700	1.8	380mW	110°
		2FX001EX00F02001	●	650~670nm*	350	2.1	150mW / 275mW	110°
		2FX001VX00F02001	●	395~410nm*	350	3.4	330mW / 600mW	120°
	PC Amber	2FX001AX19F02002	●	588~592nm	350/700	3.1/3.4	80/130	120°
4/10W		2FM004RX00F03001	●	620~630nm	350/700	2.1 _{/chip} / 2.4	210 / 400	120°
		2FM004TX00F03001	●	520~535nm	350/700	3.3 _{/chip} / 3.6	330 / 530	135°
		2FM004BX00F03001	●	455~475nm	350/700	3.2 _{/chip} / 3.5	80 / 130	125°
		2FM004IX00F03001	●	835~870nm*	700	1.8 _{/chip}	1700mW	125°
		2FM004EX00F03001	●	650~670nm*	350	2.1 _{/chip}	600mW / 1100mW	125°
		2FM004VX00F03001	●	395~410nm*	350	3.4 _{/chip}	1250mW / 2250mW	135°
		2FM004M206F03001	●	620~630nm	350/700	2.1 / 2.4	50 / 95	120°
			●	520~535nm		3.3 / 3.6	80 / 140	120°
			●	455~475nm		3.2 / 3.5	20 / 35	120°
			○	5000~10000k		3.2 / 3.5	105 / 180	120°
		2FM004M300F03001	●	620~630nm	350/700	2.1 / 2.4	50 / 95	120°
			●	520~535nm		3.3 / 3.6	80 / 140	120°
			●	455~475nm		3.2 / 3.5	20 / 35	120°
			●	585~595nm		2.1 / 2.4	50 / 95	120°

Module Applications

Plant Grow Light



Security Camera

Stage Light



Module

Street Light Module

Features

- Light weight easy assembly
- Design-in quick expansion
- Elliptical light distribution

Typical Applications

- Street Lighting
- Sidewalk Lighting
- High / Low Bay



Wattage (W)	Order Code	CCT(K)	Dimension (mm)	Emitter	I _F (mA)	V _F (V)	Lumen (lm)	Field Angle	CRI
12W	6ESTMCWK00000002	6000K	165x50	Edixeon x12 pcs	700	20.4	1200	130°x75°	70
	6ESTMCWL00000002	6000K			700	20.4	1200	130°x50°	70
	6ESTMCWM00000002	6000K			700	20.4	1200	130°x40°	70
27W	6ESTMCWK00000003	6000K	147x112	Edixeon x24 pcs	1400	20.4	2400	135°x75°	70
27W	6FSTMCWK00000001	6000K	120x100	Federal x24 pcs	1400	20.4	2400	135°x75°	70
27W NEW	6TSTMCWK00000001	6000K	120x100	ET-3535 x24 pcs	1400	20.4	2880	135°x75°	70

EDIS Module

Features

- Solid State Lighting Technology
- Superior Light Quality
- Reduce CO₂ Emission
- Long Life-Time

Typical Applications

- Sidewalk Lighting
- Warehouse Lighting
- Street Lighting
- High / Low Bay



Wattage (W)	Order Code	CCT(K)	Dimension (mm)	Emitter	I _F (mA)	V _F (V)	Lumen (lm)	Field Angle	CRI
50W	6-EDIS-06	6000K	Ø140x64.8	EdiStar	2400	24	2700	90°	70
		6000K			2400	24	2600	120°	70
	6-EDIS-07	6000K	170x100x40		2400	24	3000	120°x90°	70
120W	6-EDIS-06	6000K	Ø140x64.8		3600	33	7000	90°	70
		6000K			3600	33	6700	120°	70
	6-EDIS-07	6000K	170x100x40		3600	33	7000	120°x90°	70

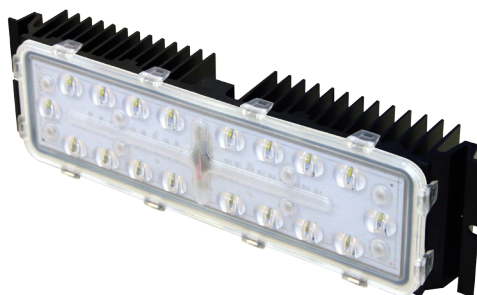
EDIS IP68 Lighting Module

Features

- High Brightness SMD LED
- Low Power Requirement & Energy Efficient
- Suitable for Restricted Space
- Waterproof Level IP68

Typical Applications

- Street Lighting
- Spot light
- High / Low Bay



Wattage (W)	Order Code	CCT(K)	Dimension (mm)	Weight	Emitter	I _F (mA)	V _F (V)	Lumen (lm)	Field Angle	CRI
42W	6-FSTM-02	6000K	275x70x45	720±50	ET-3535 x18 pcs	700	72	3400-3700	90°	70
		3000K				700	72	2750-3000	90°	80
		6000K				700	72	3400-3700	Batwing	70
		3000K				700	72	2750-3000	Batwing	80

Application Examples



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