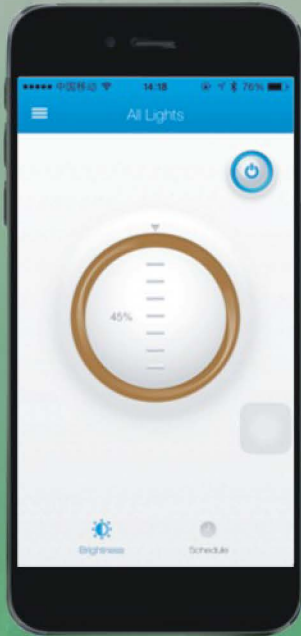


2016
LED Light Portfolio



Smart Bulb

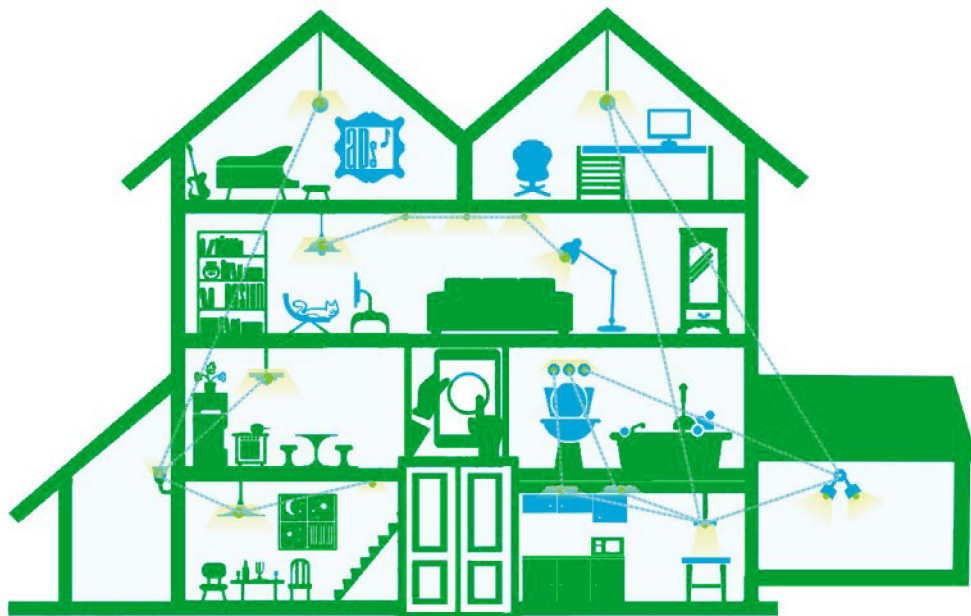


- Controlled by smartphone instead of gateway and router.
- Compared with other programs, bluetooth has an advantage over on cost.
- Transmission range between nodes is over 30 meters.
- Low power consumption.



BR30

A19



Control these bulbs With your smart device

Use iLED to control your bulbs in and around your home.

App is available on Apple App store and Android app on Google Play.



Scan here for smart device.



EASY SETUP

Pair bulbs with your smart device using Bluetooth. No hub, remote, gateway, wifi, or cellular signal. Securely control bulbs with one or more smart phone or tablet.



SCHEDULING

Schedule lighting events by lamp or by group. Program your bulbs to fit your schedule.



ON/OFF/DIM

Dim or turn on/off from anywhere in your house with the free Tospo APP, available at the Apple APP Store and Google Play. On/OFF control also works with standard light switches, even without a smart device, by simply cycling the switch power from on, to off, then on again.



TIMERS

Set countdown timers to on/off for individual bulbs or groups.



GROUPS

Create a virtual light switch. Group and zone multiple bulbs and control them all with a single command, from the palm of your hand.



SCENES

Adjust and store setting to create custom scenes, effects, and moods.



Type	Part Number & Description	Voltage (V)	Wattage (W)	Lumens (lm)	Beam Angle	Incandescent Replacement (W)	Power Factor	CRI	CCT (K)	Average Rated Life (hrs)	Socket	MOD (mm)	MCL (mm)
Smart LED	LEDAI 9/8/DIM/BLE	120	8	800	220°	60	>0.9	≥80	3000	25,000	E26	60	110
	LEDBR30/110/830/DIM BLE	120	10	800	120°	65	>0.9	≥80	3000	25,000	E26	95	135



LED Lamps

Filament Series



Features

Professional LED lighting system design

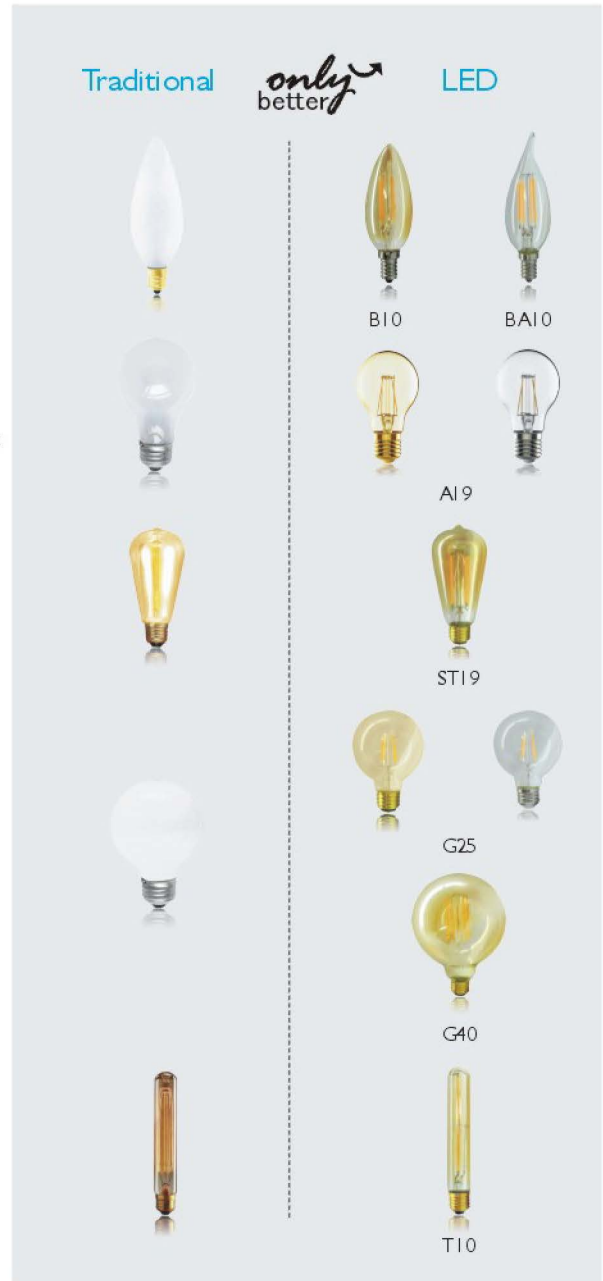
- World-class LED chips with superior lighting performance
- Drivers independently design for the product's reliability and durability

Energy saving and longer life span

- Same lumen output just consumes 1/10 energy of the incandescent lamp
- Life is 15 times of the incandescent lamp

Complete product range and standards compliant

- Full range for every shape of the original vintage incandescent lamp, 25W, 40W and 60W replacement
- Multiple color temperature available: 2200K, 2700K, 3000K
- Clear, Smoke, Amber color covers available, Gold and Silver base available
- Compliant with UL, CUL and FCC
- Good dimming compatibility with more dimmers in the market



Type	Part Number & Description	Voltage (V)	Wattage (W)	Lumens (lm)	Beam Angle	Incandescent Replacement (W)	Power Factor	CRI	CCT (K)	Average Rated Life (hrs)	Socket	MOD (mm)	MOL (mm)
Filament	LEDB10/2/827/DIM/FILA	120	2	200	250°	25	>0.9	≥80	2700	15,000	E12/E26	30	103
	LEDB10/4/827/DIM/FILA	120	4	350	250°	40	>0.9	≥80	2700	15,000	E12/E26	30	103
	LEDB10/6/827/DIM/FILA	120	6	500	250°	60	>0.9	≥80	2700	15,000	E12/E26	30	103
	LEDBA10/2/827/DIM/FILA	120	2	200	250°	25	>0.9	≥80	2700	15,000	E12/E26	30	103
	LEDBA10/4/827/DIM/FILA	120	4	350	250°	40	>0.9	≥80	2700	15,000	E12/E26	30	103
	LEDBA10/6/827/DIM/FILA	120	6	500	250°	60	>0.9	≥80	2200	15,000	E12/E26	30	103
	LEDA19/4.5/827/DIM/FILA	120	4.5	450	250°	40	>0.9	≥80	2700	15,000	E26	60	110
	LEDA19/7.5/827/DIM/FILA	120	7.5	800	250°	60	>0.9	≥80	2700	15,000	E26	60	110
	LEDST19/4.5/822/DIM/FILA	120	4.5	450	250°	40	>0.9	≥80	2700	15,000	E26	63.5	127
	LEDG25/4.5/827/DIM/FILA	120	4.5	450	250°	40	>0.9	≥80	2700	15,000	E26	79	120
	LEDG40/4.5/827/DIM/FILA	120	4.5	450	250°	40	>0.9	≥80	2700	15,000	E26	46	130
	LEDT10/4.5/827/DIM/FILA	120	4.5	450	250°	40	>0.9	≥80	2700	15,000	E26	46	130



LED Lamps

A19 Series



Features

Professional LED lighting system design

- World-class LED chips with superior lighting performance
- Drivers independently design for the product's reliability and durability
- Standard shape and light distribution can totally replace the traditional lamp

Energy saving and longer life span

- Same lumen output just consumes 1/6 energy of the replaced incandescent lamp
- Life is 25 times of the traditional incandescent lamp

Complete product range and standards compliant

- Full range with 40W and 60W A19 replacement, E26 and GU24 base
- Multiple color temperature available: 2700K, 3000K, 4000K and 5000K
- Compliant with UL, CUL, FCC, LM79 and **Energy Star**
- Damp location grade in UL and CUL Standard
- **CRI ≥ 90** and **CRI ≥ 80** are available



Type	Part Number & Description	Voltage (V)	Wattage (W)	Lumens (lm)	Beam Angle	Incandescent Replacement (W)	Power Factor	CRI	CCT (K)	Average Rated Life (hrs)	Socket	MOD (mm)	MOL (mm)
A19	LEDA19/6/200D	120	6	450	200°	40	>0.7	≥80	3000	15,000	E26	60	110
	LEDA19/9.5/200D	120	9.5	800	200°	60	>0.7	≥80	3000	15,000	E26	60	110
	LEDA19/11/200D	120	11	1100	200°	75	>0.7	≥80	3000	15,000	E26	60	110
	LEDA19/14.5/200D	120	14.5	1600	200°	100	>0.7	≥80	3000	15,000	E26	60	110
	LEDA19/7.5/270D/DIM	120	7.5	480	270°	40	>0.9	≥80	3000	25,000	E26	60	110
	LEDA19/9/270D/DIM	120	9	800	270°	60	>0.9	≥80	3000	25,000	E26	60	110
	LEDA19/11/270D/DIM/CEC	120	11	800	270°	60	>0.9	≥90	3000	25,000	E26	60	110
	LEDA19/13/270D/DIM	120	13	1100	270°	75	>0.9	≥80	3000	25,000	E26	60	110
	LEDA21/17/270D/DIM	120	17	1600	270°	100	>0.9	≥80	3000	25,000	E26	78	138
	LEDA21/17/270D/DIM/3WAY	120	17	450/800/1600	270°	40/60/100	>0.9	≥80	3000	25,000	E26	78	138



LED Lamps

PAR Series



Features

Professional LED lighting system design

- World-class LED chips with superior lighting performance
- Drivers independently design for the product's reliability and durability
- Standard shape and light intensity can totally replace the traditional lamp
- AIR FLOW technology used for the heat radiating

Energy saving and longer life span

- Same lumen output just consumes 1/6 energy of the replaced halogen lamp
- Life is 25 times of the traditional halogen lamp

Complete product range and standards compliant

- Full range with Par20, Par30, Par30 short neck and Par38, in 25°/40° beam angle
- Multiple color temperature available: 2700K, 3000K, 4000K and 5000K
- Compliant with UL, CUL, FCC, LM79 and **Energy Star**
- Wet location and damp location grade in UL and CUL Standard
- **CRI ≥ 90** and **CRI ≥ 80** and **PF > 0.9** are available



Type	Part Number & Description	Voltage (V)	Wattage (W)	Lumens (lm)	Beam Angle	Halogen Replacement (W)	Power Factor	CRI	CCT (K)	Average Rated Life (hrs)	Socket	MOD (mm)	MOL (mm)
PAR20	LEDPAR20/7/NFL/930/DIM FCOB	120	7	470	25°	50	>0.9	≥90	3000	25,000	E26	63	86
	LEDPAR20/7/FL/930/DIM FCOB	120	7	470	40°	50	>0.9	≥90	3000	25,000	E26	63	86
PAR30	LEDPAR30/10/NFL/930/DIM FCOB	120	11	800	25°	75	>0.9	≥90	3000	25,000	E26	95	117
	LEDPAR30/10/FL/930/DIM FCOB	120	11	800	40°	75	>0.9	≥90	3000	25,000	E26	95	117
PAR30 Short Neck	LEDPAR30SN/10/NFL/930/DIM FCOB	120	11	800	25°	75	>0.9	≥90	3000	25,000	E26	95	85
	LEDPAR30SN/10/FL/930/DIM FCOB	120	11	800	40°	75	>0.9	≥90	3000	25,000	E26	95	85
PAR38	LEDPAR38/15/NFL/930/DIM FCOB	120	15	1000	25°	100	>0.9	≥90	3000	25,000	E26	120	129
	LEDPAR38/15/FL/930/DIM FCOB	120	15	1000	40°	100	>0.9	≥90	3000	25,000	E26	120	129
	LEDPAR38/17/NFL/930/DIM FCOB	120	17	1200	25°	120	>0.9	≥90	3000	25,000	E26	120	129
	LEDPAR38/17/FL/930/DIM FCOB	120	17	1200	40°	120	>0.9	≥90	3000	25,000	E26	120	129
	LEDPAR38/17/NFL/930/FCOB	120-277	17	1200	25°	120	>0.7	≥90	3000	25,000	E26	120	129
	LEDPAR38/17/FL/930/FCOB	120-277	17	1200	40°	120	>0.7	≥90	3000	25,000	E26	120	129



LM79 LM80 lighting facts™

ISO9001:2008 ISO14001:2004 OHSAS 18001:1999

LED Lamps

Spot Series



Features

Professional LED lighting system design

- World-class LED chips with superior lighting performance
- Drivers independently design for the product's reliability and durability
- Standard shape and light intensity can totally replace the traditional lamp

Energy saving and longer life span

- Same lumen output just consumes 1/6 energy of the replaced halogen lamp
- Life is 25 times of the traditional halogen lamp

Complete product range and standards compliant

- Full range with E26, GU4, GU5.3 and GU10 base
- Multiple color temperature available: 2700K, 3000K, 4000K and 5000K
- Compliant with UL, CUL, FCC and LM79, 2700K and 3000K are approved by **Energy Star**
- Damp location grade in UL and CUL Standard
- **CRI ≥ 90** and **CRI ≥ 80** are available



Type	Part Number & Description	Voltage (V)	Wattage (W)	Lumens (lm)	Beam Angle	Halogen Replacement (W)	Power Factor	CRI	CCT (K)	Average Rated Life (hrs)	Socket	MOD (mm)	MOL (mm)
MR11	LEDMR11/3/830	12	3	200	24°	20	>0.7	≥80	3000	25,000	GU4	35	45
	LEDMR16/5/830	12	5	350	25°	35	>0.7	≥80	3000	25,000	GU5.3	50	46
	LEDMR16/5/830	12	5	350	38°	35	>0.7	≥80	3000	25,000	GU5.3	50	46
	LEDMR16/5/830/DIM	12	5	350	25°	35	>0.7	≥80	3000	25,000	GU5.3	50	46
MR16	LEDMR16/5/830/DIM	12	5	350	38°	35	>0.7	≥80	3000	25,000	GU5.3	50	46
	LEDMR16/6.5/830	12	6.5	500	25°	50	>0.8	≥80	3000	25,000	GU5.3	50	48
	LEDMR16/6.5/830	12	6.5	500	38°	50	>0.8	≥80	3000	25,000	GU5.3	50	48
	LEDMR16/6.5/830/DIM	12	6.5	500	25°	50	>0.8	≥80	3000	25,000	GU5.3	50	48
GU10	LEDGU10/6/930/DIM FCCOB	120	6	400	38°	50	>0.9	≥90	3000	25,000	GU10	50	53
	LEDGU10/5/830/DIM	120	5	350	25°	35	>0.8	≥80	3000	25,000	GU10	50	53
	LEDGU10/5/830/DIM	120	5	350	38°	35	>0.8	≥80	3000	25,000	GU10	50	53
	LEDGU10/6.5/830/DIM	120	6.5	500	25°	50	>0.8	≥80	3000	25,000	GU10	50	54
PAR16	LEDGU10/6.5/830/DIM	120	6.5	500	38°	50	>0.8	≥80	3000	25,000	GU10	50	54
	LEDPAR16/5/830/DIM	120	5	350	25°	35	>0.8	≥80	3000	25,000	E26	50	70
	LEDPAR16/5/830/DIM	120	5	350	38°	35	>0.8	≥80	3000	25,000	E26	50	70
	LEDPAR16/6.5/830/DIM	120	6.5	500	25°	50	>0.8	≥80	3000	25,000	E26	50	72
PAR16	LEDPAR16/6.5/830/DIM	120	6.5	500	38°	50	>0.8	≥80	3000	25,000	E26	50	72



LM79 LM80 lighting facts[™]

ISO9001:2008 ISO14001:2004 OHSAS 18001:1999

LED Lamps

BR Series



Features

Professional LED lighting system design

- World-class LED chips with superior lighting performance
- Drivers independently design for the product's reliability and durability
- Standard shape and light distribution can totally replace the traditional lamp

Energy saving and longer life span

- Same lumen output just consumes 1/6 energy of the replaced incandescent lamp
- Life is 25 times of the traditional incandescent lamp

Complete product range and standards compliant

- Full range with BR20, BR30 and BR40.
- Multiple color temperature available: 2700K, 3000K, 4000K and 5000K
- Compliant with UL, CUL, FCC, LM79 and **Energy Star**
- Damp location grade in UL and CUL Standard
- **CRI ≥ 90** and **CRI ≥ 80** are available



Type	Part Number & Description	Voltage (V)	Wattage (W)	Lumens (lm)	Beam Angle	Incandescent Replacement (W)	Power Factor	CRI	CCT (K)	Average Rated Life (hrs)	Socket	MOD (mm)	MQL (mm)
BR20	LEDBR20/7.5/830/DIM	120	7.5	550	120°	50	>0.7	≥80	3000	25,000	E26	63	95
	LEDBR30/8/830/DIM	120	8	650	120°	65	>0.9	≥80	3000	25,000	E26	95	135
BR30	LEDBR30/12/930/DIM CEC	120	12	800	120°	65	>0.9	≥90	3000	25,000	E26	95	135
	LEDBR30/12/CCTDIM	120	12	800	120°	65	>0.7	≥80	2000/3000	25,000	E26	95	129
BR40	LEDBR40/10/830/DIM	120	17	650	120°	65	>0.9	≥80	3000	25,000	E26	125	159
	LEDBR40/17/830/DIM	120	17.5	1100	120°	85	>0.9	≥80	3000	25,000	E26	125	159



LM79 LM80 lighting facts™

ISO9001:2008 ISO14001:2004 OHSAS 18001:1999

LED Lamps

Decorative Series



Features

Professional LED lighting system design

- World-class LED chips with superior lighting performance
- Drivers independently design for the product's reliability and durability

Energy saving and longer life span

- Same lumen output just consumes 1/9 energy of the replaced incandescent lamp
- Life is 25 times and 15 times of the traditional incandescent lamp

Complete product range and standards compliant

- Full range with G25, G16.5, B11, G4 and G9
- Multiple color temperature available: 2700K, 3000K, 4000K and 5000K
- Compliant with UL, CUL, FCC and LM79, 2700K and 3000K are approved by **Energy Star**
- Damp location grade in UL and CUL Standard



Type	Part Number & Description	Voltage (V)	Wattage (W)	Lumens (lm)	Beam Angle	Incandescent Replacement (W)	Power Factor	CRI	CCT (K)	Average Rated Life (hrs)	Socket	MOD (mm)	MOL (mm)
Globe	LEDA15/4.7/830/DIM	120	4.7	300	250°	40	>0.8	≥80	3000	25,000	E12/E26	47	87
	LEDG16.5/4.7/830/DIM	120	4.7	300	250°	40	>0.8	≥80	3000	25,000	E12/E26	50	90
	LEDG25/7/830/DIM	120	7	500	250°	60	>0.8	≥80	3000	25,000	E26	79	120
B11	LEDB11/4.7/830/DIM	120	4.7	315	250°	40	>0.8	≥80	3000	25,000	E12/E26	35	100
	LEDBA11/4.7/830/DIM	120	4.7	315	250°	40	>0.8	≥80	3000	25,000	E12/E26	35	119
	LEDB11/5/930/DIM Ra90	120	5	315	250°	40	>0.8	≥90	3000	25,000	E12/E26	35	100
	LEDBA11/5/930/DIM Ra90	120	5	315	250°	40	>0.8	≥90	3000	25,000	E12/E26	35	119
	LEDB13/6.5/830/DIM	120	6.5	500	250°	60	>0.8	≥80	3000	25,000	E12/E26	39	107
G4	LEDBA13/6.5/830/DIM	120	6.5	500	250°	60	>0.8	≥80	3000	25,000	E12/E26	39	124
	LEDG4/2.5/830	120	2.5	200	200°	ASCENT	>0.4	≥80	3000	15,000	G4	14	45
G9	LEDG9/2.5/830	120	2.5	200	200°	ASCENT	>0.4	≥80	3000	15,000	G9	18	54
	LEDG9/3.5/830	120	3.5	300	200°	ASCENT	>0.4	≥80	3000	15,000	G9	22	54
Elevator	LEDELE/I383/3/830	12	3	120	30°	ASCENT	>0.5	≥80	3000	15,000	Ba15	38	63
	LEDELE/GBF/3/830	12	3	120	30°	ASCENT	>0.5	≥80	3000	15,000	Ba15	36	45



LM79 LM80 lighting facts™

ISO9001:2008 ISO14001:2004 OHSAS 18001:1999

LED Tubes

T8 Series



Features

Perfect replacement for fluorescent linear tube

- Directly fit with IS electronic ballast
- Directly fit with T12 electronic ballast and magnetic ballast
- Directly fit with 120V or 277V direct line voltage
- Directly light up by any ENDs (double end and single end)

Energy saving and longer life span

- Same lumen output just consumes 1/2 energy of the replaced fluorescent linear tube
- life is 5 times of the fluorescent linear tube

Complete product range and standards compliant

- Full range from 1600 to 2200 Lumens
- Compliant with DLC, UL, CUL, FCC and LM79

AC 120/277V

Instant start T8 Electronic ballast

T12 Electronic Ballast and Magnetic ballast



Type	Part Number & Description	Voltage (V)	Wattage (W)	Lumens (lm)	Incandescent Replacement (W)	Beam Angle	Power Factor	CRI	CCT (K)	Average Rated Life (hrs)	Socket	MOD (mm)	MOL (mm)
T8	LEDT8/14/840/GI3/AIO	120~277	14	1600	4 feet F32T8	240°	>0.9	≥80	4000	50,000	GI3	28	1200
	LEDT8/18/840/GI3/AIO	120~277	18	2000	4 feet F32T8	240°	>0.9	≥80	4000	50,000	GI3	28	1200
	LEDT8/19/840/GI3/AIO	120~277	19	2200	4 feet F32T8	240°	>0.9	≥80	4000	50,000	GI3	28	1200
	LEDT8/14/840/GI3/AIO/ECO	120~277	14	1600	4 feet F32T8	240°	>0.9	≥80	4000	50,000	GI3	28	1200
	LEDT8/19/840/GI3/EMB	120~277	19	2200	4 feet F32T8	240°	>0.9	≥80	4000	50,000	GI3	28	1200



LED lamps

PL Series



Features

Good compatibility with current popular ballast models

- PL Electronic Ballast Direct Replacement
- PL Magnetic Ballast Direct Replacement

Professional LED lighting system design

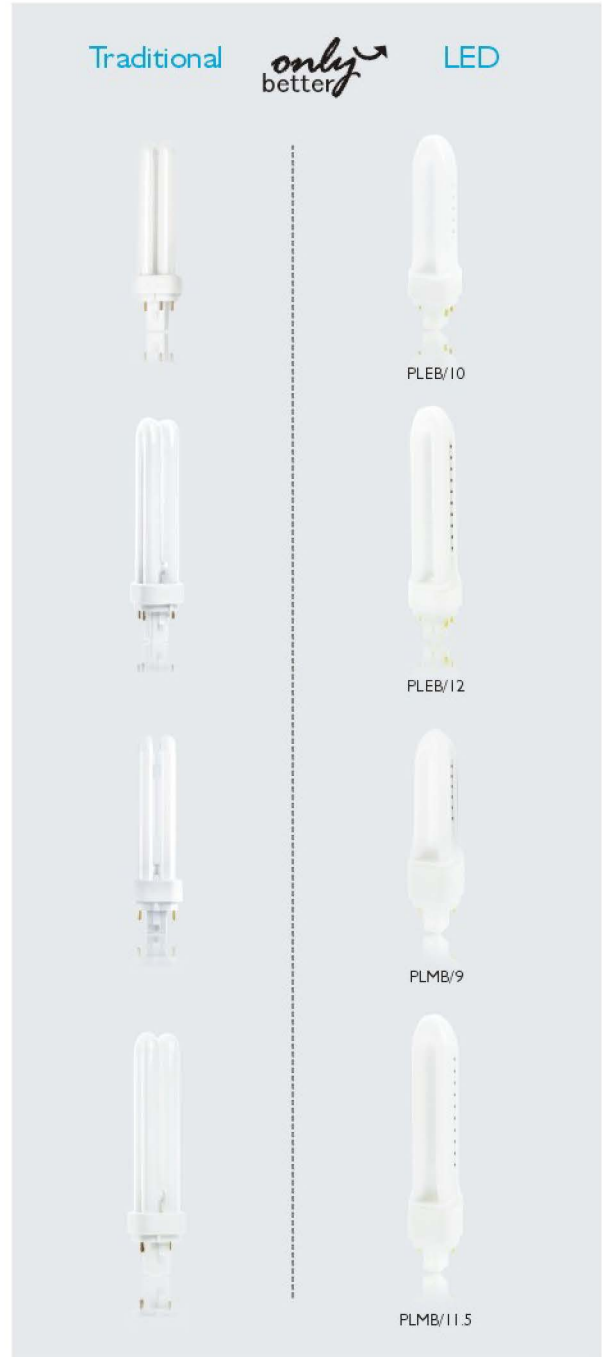
- World-class LED chips with superior lighting performance

Energy saving and longer life span

- Life is 15 times of the fluorescent PL lamp

Complete product range and standards compliant

- Full range with 800 Lumens and 1100 Lumens
- Compliant with UL, CUL and LM79



Type	Part Number & Description	Voltage (V)	Wattage (W)	Lumens (lm)	Beam Angle	Fluorescent PL Replacement (W)	Power Factor	CRI	CCT (K)	Average Rated Life (hrs)	Socket	MOD (mm)	MOL (mm)
PL	LEDPL/10/830/EB	120	10	800	300°	13W Electronic	>0.7	≥80	3000	15,000	G24Q	34	138
	LEDPL/12/830/EB	120	12	1100	300°	18W Electronic	>0.7	≥80	3000	15,000	G24Q	34	168
	LEDPL/9/830/MB	120	9	800	300°	13W Magnetic	>0.7	≥80	3000	15,000	GX23	34	143
	LEDPL/11.5/830/MB	120	11.5	1100	300°	18W Magnetic	>0.7	≥80	3000	15,000	G24D	34	173



LM79 LM80 lighting factssm

ISO9001:2008 ISO14001:2004 OHSAS 18001:1999

LED Lamps

Corn Series



Features

Professional LED lighting system design

- World-class LED chips with superior lighting performance
- Drivers independently design for the product's reliability and durability

Energy saving and longer life span

- Life is 5 times of the CFL/HID lamp

Complete product range and standards compliant

- Full range with 2300Lumens to 12600Lumens, 60W to 400W replacements
- 2700K,3000K,4000K,5000K,6000K and 7000K
- Compliant with UL, CUL, FCC and LM79
- Damp location and enclosed application in UL and CUL standard



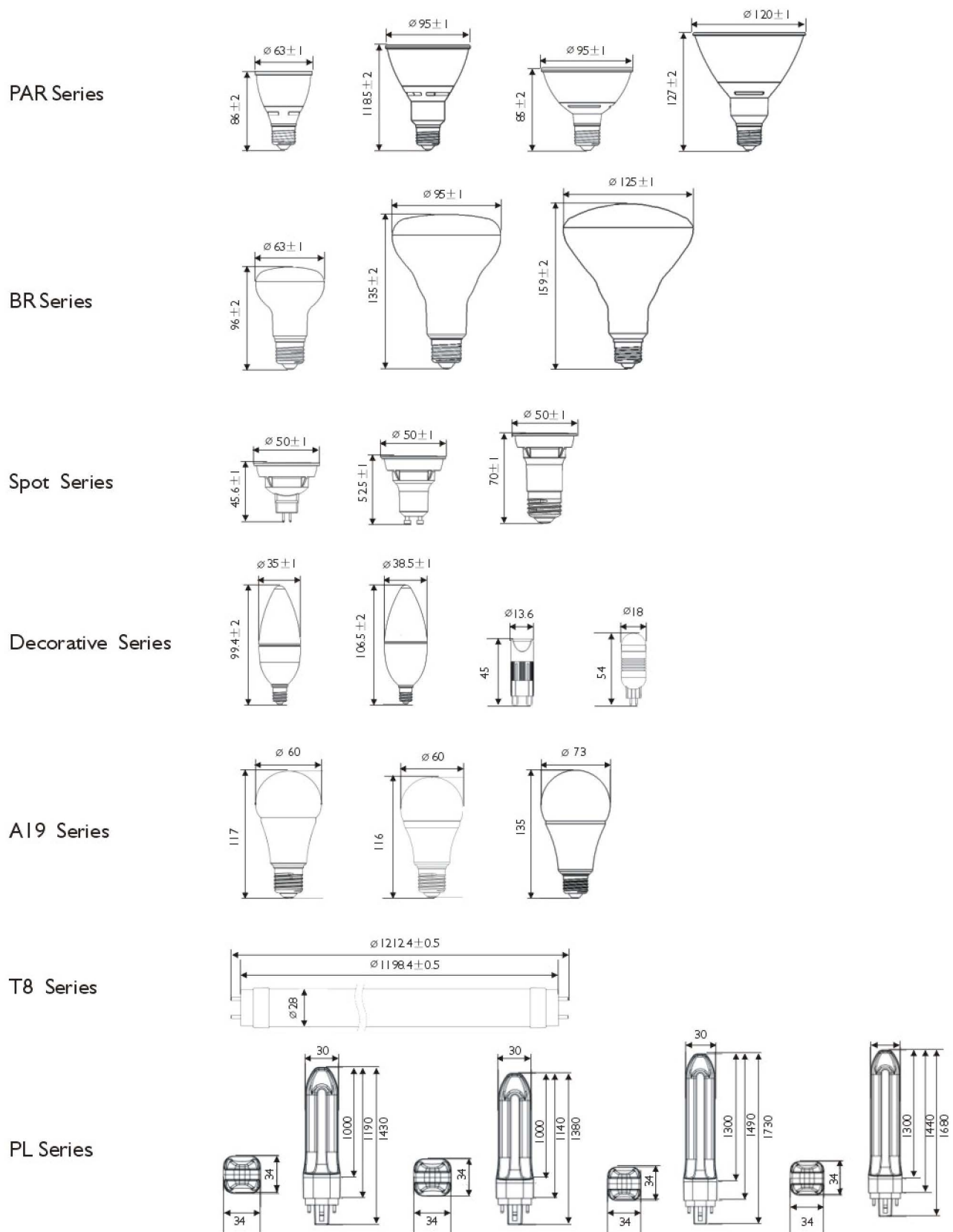
Type	Part Number & Description	Voltage (V)	Wattage (W)	Lumens (lm)	Beam Angle	CFL/HID Replacement (W)	Power Factor	CRI	CCT (K)	Average Rated Life (hrs)	Socket	MOD (mm)	MCL (mm)
Corn	LEDHP/22/ 850	100-277	22	2300	360°	50	>0.95	>85	5000	50,000	E26	70	186
	LEDHP/27/ 850	100-277	27	2800	360°	70	>0.95	>85	5000	50,000	E26/E39	93	210
	LEDHP/36/ 850	100-277	36	3800	360°	100	>0.95	>85	5000	50,000	E26/E39	93	235
	LEDHP/45/ 850	100-277	45	4800	360°	150	>0.95	>85	5000	50,000	E26/E39	93	265
	LEDHP/54/ 850	100-277	54	5600	360°	175	>0.95	>85	5000	50,000	E26/E39	93	265
	LEDHP/80/ 850	100-277	80	8400	360°	250	>0.95	>85	5000	50,000	E39	146	276
	LEDHP/100/ 850	100-277	100	10500	360°	250	>0.95	>85	5000	50,000	E39	146	285
	LEDHP/120/ 850	100-277	120	12600	360°	250	>0.95	>85	5000	50,000	E39	146	305



LM79 LM80 lighting facts[™]

ISO9001:2008 ISO14001:2004 OHSAS 18001:1999

Product Dimensions



(Unit:mm)



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