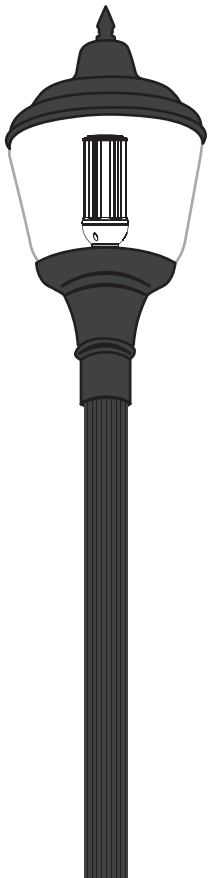




CONTENTS

- 01. 360°BollardRetro fits: 8W-22W
- 03. 360°Post Top Retrofits: 27W-60W
- 05. 360°High Bay Retrofits: 80W-120W
- 07. 180°Wall Pack/Canopy Retrofits: 27W-60W
- 09. Low Bay Retrofits: 40W-60W
- 11. Shoe Box Retrofit Kits: 80W-320W
- 13. Shoe Box Area Lights: 24W-300W
- 15. Flat Panel Lights: 40W-70W

LED Lighting



Bollard Retrofits

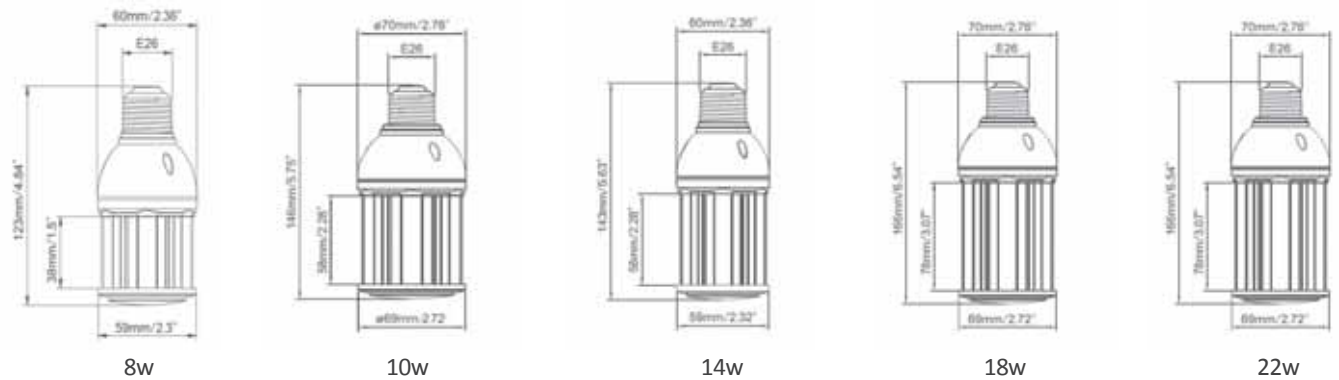
8W - 22W



Specification

PART NO	POWER	LUMENS	REPLACES	BASE	INPUT VOLTAGE	FREQUENCY	CCT	UL		FCC
								1993	1598C	
BWRL-8W-A	8W	1000LM	25W	E26 Medium	100-277VAC	50-60Hz	2700-5700K	✓	✓	✓
BWRL-10W-A	10W	1250LM	30W	E26 Medium	100-277VAC	50-60Hz	2700-5700K	✓	✓	✓
BWRL-14W-A	14W	1750LM	50W	E26 Medium	100-277VAC	50-60Hz	2700-5700K	✓	✓	✓
BWRL-18W-A	18W	2250LM	60W	E26 Medium	100-277VAC	50-60Hz	2700-5700K	✓	✓	✓
BWRL-22W-A	22W	2750LM	70W	E26 Medium	100-277VAC	50-60Hz	2700-5700K	✓	✓	✓

Dimension



Application



Post Top Retrofits

27W-60W

LM-80

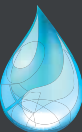
Certified with LM80
up to 150lm/w

Samsung LED Chips

Certified with LM80,
up to 150lm/w

Damp Rated

Suitable for humid environments



Surge Protection

Safe from common surges

Particle Protection

Keeps foreign objects
away from critical components

Particle
Protection



Fan Free

Less moving parts,
resulting in longer & brighter life

Enclosed Fixture Safe

Suitable for enclosed applications



Potted
Drivers

Potted Drivers

Protects electronics against
moisture & vibration

Pretested Drivers

Burnt in 24hrs before
shipping to ensure quality

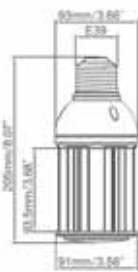
Pretested
Drivers



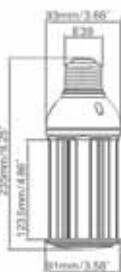
Specification

MODEL	POWER	LUMENS	REPLACES	BASE	INPUT VOLTAGE	FREQUENCY	CCT	UL		DLC	FCC
								1993	1598C		
BWRL-27W-E26A	27W	3645LM	100W	E26 Medium	100-277VAC 100-347VAC Option	50-60Hz	2700-5700K	✓	✓		✓
BWRL-27W-E(X)39A	27W	3645LM	100W	E39/EX39 Mogul	100-277VAC 100-347VAC Option	50-60Hz	2700-5700K	✓	✓	✓	✓
BWRL-36W-E26A	36W	4860LM	150W	E26 Medium	100-277VAC 100-347VAC Option	50-60Hz	2700-5700K	✓	✓		✓
BWRL-36W-E(X)39A	36W	4860LM	150W	E39/EX39 Mogul	100-277VAC 100-347VAC Option	50-60Hz	2700-5700K	✓	✓	✓	✓
BWRL-45W-E26A	45W	6075LM	175W	E26 Medium	100-277VAC 100-347VAC Option	50-60Hz	2700-5700K	✓	✓		✓
BWRL-45W-E(X)39A	45W	6075LM	175W	E39/EX39 Mogul	100-277VAC 100-347VAC Option	50-60Hz	2700-5700K	✓	✓	✓	✓
BWRL-54W-E26A	54W	7290LM	250W	E26 Medium	100-277VAC 100-347VAC Option	50-60Hz	2700-5700K	✓	✓		✓
BWRL-54W-E(X)39A	54W	7290LM	250W	E39/EX39 Mogul	100-277VAC 100-347VAC Option	50-60Hz	2700-5700K	✓	✓	✓	✓
BWRL-60W-E26A	60W	8100LM	250W	E26 Medium	100-277VAC 100-347VAC Option	50-60Hz	2700-5700K	✓	✓		✓
BWRL-60W-E(X)39A	60W	8100LM	250W	E39/EX39 Mogul	100-277VAC 100-347VAC Option	50-60Hz	2700-5700K	✓	✓	✓	✓

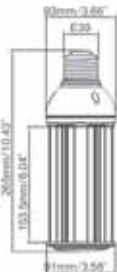
Dimension



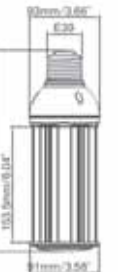
27W



36W



45W/54W



60W

Application



High Bay Retrofits

80W-120W

LM-80

Certified with LM80
up to 150lm/w

Samsung LED Chips

Certified with LM80,
up to 150lm/w



Surge Protection

Safe from common surges

Easy Replaceable

& Flicker Free Driver



Fan Free

Less moving parts,
resulting in longer & brighter life

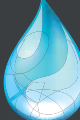
Potted Drivers

Potted Drivers

Protects electronics against
moisture & vibration

Damp Rated

Suitable for humid environments



Particle Protection

Keeps foreign objects
away from critical components

Particle Protection

Enclosed Fixture Safe

Suitable for enclosed applications



Pretested Drivers

Burnt in 24hrs before
shipping to ensure quality

Pretested Drivers



Lighting Facts^{CM}
A Program of the U.S.DOE

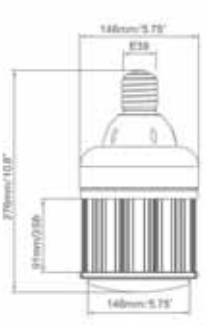


RoHS
COMPLIANT

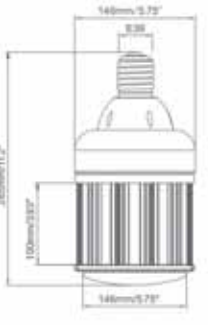
Specification

MODEL	POWER	LUMENS	REPLACES	BASE	INPUT VOLTAGE	FREQUENCY	CCT	UL		DLC	FCC
								1993	1598C		
BWRL-80W-E(X)39A	80W	10000LM	300W	E39/EX39 Mogul	100-277VAC	50-60Hz	2700-5700K	✓	✓	✓	✓
BWRL-100W-E(X)39A	100W	12500LM	400W	E39/EX39 Mogul	100-277VAC	50-60Hz	2700-5700K	✓	✓	✓	✓
BWRL-120W-E(X)39A	120W	15000LM	500W	E39/EX39 Mogul	100-277VAC	50-60Hz	2700-5700K	✓	✓	✓	✓

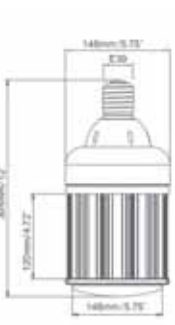
Dimension



80W



100W



120W

Replacement



BW LED Corn Light



REPLACE



HPS



MHL

Application



Wall Pack / Canopy Retrofits

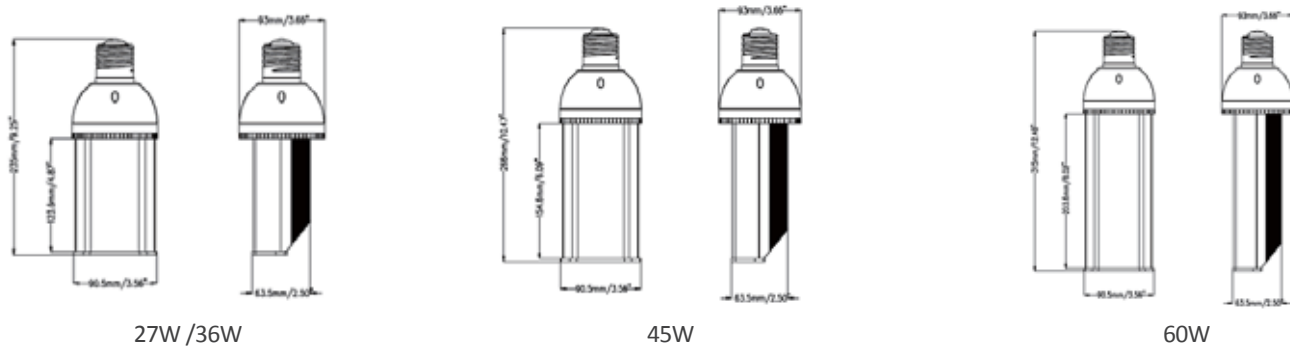
27W - 60W



Specification

MODEL	POWER	LUMENS	REPLACES	BASE	INPUT VOLTAGE	FREQUENCY	CCT	UL		FCC
								1993	1598C	
BWHC-27W-XA BWHC-27W-E26A	27W	3645LM	100W	E26 Medium	100-277VAC 100-347VAC Option	50-60Hz	2700-5700k	✓	✓	✓
BWHC-27W-XA BWHC-27W-E(X)39A	27W	3645LM	100W	E39/EX39 Mogul	100-277VAC 100-347VAC Option	50-60Hz	2700-5700k	✓	✓	✓
BWHC-36W-XA BWHC-36W-E26A	36W	4860LM	150W	E26 Medium	100-277VAC 100-347VAC Option	50-60Hz	2700-5700k	✓	✓	✓
BWHC-36W-XA BWHC-36W-E(X)39A	36W	4860LM	150W	E39/EX39 Mogul	100-277VAC 100-347VAC Option	50-60Hz	2700-5700k	✓	✓	✓
BWHC-45W-XA BWHC-45W-E(X)39A	45W	6075LM	175W	E39/EX39 Mogul	100-277VAC 100-347VAC Option	50-60Hz	2700-5700k	✓	✓	✓
BWHC-60W-XA BWHC-60W-E(X)39A	60W	8100LM	250W	E39/EX39 Mogul	100-277VAC	50-60Hz	2700-5700k	✓	✓	✓

Dimension



Application



Low Bay Retrofits

30W-60W

Potted Drivers

Potted Drivers
Protects electronics against moisture & vibration

Pretested Drivers
Burnt in 24hrs before shipping to ensure quality

Pretested Drivers



Surge Protection
Safe from common surges

Particle Protection
Keeps foreign objects away from critical components

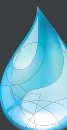
Particle Protection

LM-80

Certified with LM80, up to 135 lm/w

Samsung LED Chips
Certified with LM80, up to 135 lm/w

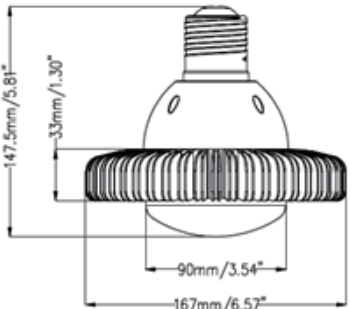
IP65 Rated
Suitable for humid environments



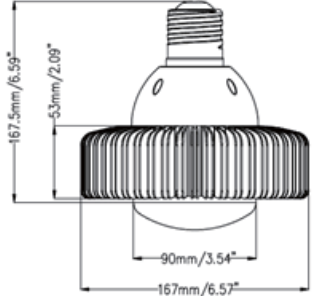
Specification

MODEL	POWER	LUMENS	REPLACES	BASE	INPUT VOLTAGE	FREQUENCY	CCT	UL		FCC
								1993	1598C	
BWHB-30W-X BWHB-30W-E26	30W	3600LM	100W	E26 Medium	100-277VAC 100-347VAC Option	50-60Hz	2700-5700K	✓	✓	✓
BWHB-30W-X BWHB-30W-E(X)39	30W	3600LM	100W	E39/EX39 Mogul	100-277VAC 100-347VAC Option	50-60Hz	2700-5700K	✓	✓	✓
BWHB-40W-X BWHB-40W-E26	40W	4800LM	150-175W	E26 Medium	100-277VAC 100-347VAC Option	50-60Hz	2700-5700K	✓	✓	✓
BWHB-40W-X BWHB-40W-E(X)39	40W	4800LM	150-175W	E39/EX39 Mogul	100-277VAC 100-347VAC Option	50-60Hz	2700-5700K	✓	✓	✓
BWHB-60W-X BWHB-60W-E(X)39	60W	7200LM	250W	E39/EX39 Mogul	100-277VAC	50-60Hz	2700-5700K	✓	✓	✓

Dimension



30W/40W



60W

Application



Retrofit Kits

80W-320W



Surge Protection
Safe from common surges

Mean
Well Power
Supply

Mean Well Power Supply
100-277V, 347V - 480V optional

CREE LED Chips
Certified with LM80,
up to 115lm/w

LM-80
Certified with LM80
up to 115 lm/w

Easy Installation
"U" or "L" type arms optional

**Easy
Installation**



Sunon
Fan

Sunon Fan
High quality, 70,000hrs lifespan

Enclosed Fixture Safe
Suitable for enclosed applications



Power Supply

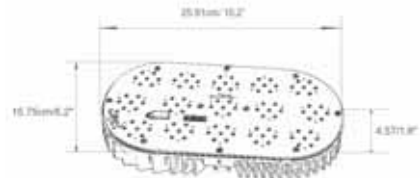
Specification

MODEL	POWER	LUMENS	REPLACES	INPUT VOLTAGE	FREQUENCY	CCT	ETL	DLC	FCC
BWRK-80W-A	80W	8000LM	250W	100-277VAC 347-480VAC Option	50-60Hz	2700-5700K	✓	✓	✓
BWRK-100W-A	100W	10000LM	300W	100-277VAC 347-480VAC Option	50-60Hz	2700-5700K	✓	✓	✓
BWRK-120W-A	120W	12000LM	400W	100-277VAC 347-480VAC Option	50-60Hz	2700-5700K	✓	✓	✓
BWRK-150W-A	150W	15000LM	500W	100-277VAC 347-480VAC Option	50-60Hz	2700-5700K	✓	✓	✓
BWRK-200W-A	200W	20000LM	600W	100-277VAC 347-480VAC Option	50-60Hz	2700-5700K	✓		✓
BWRK-320W-A	320W	32000LM	1000W	100-277VAC 347-480VAC Option	50-60Hz	2700-5700K	✓		✓

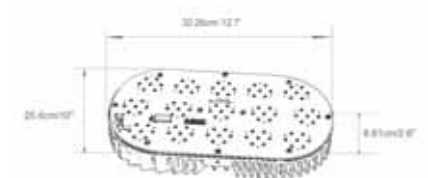
Dimension



80W-120W



150W-200W



320W

Application



Shoe Box Area Lights

24W-300W

Mean
Well Power
Supply

Mean Well Power Supply
100-277V, 347V - 480V optional



Surge Protection
Safe from common surges

Multiple
Adapters

Multiple Adapters
A/B/C/D/E/F types for option

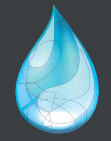


CREE LED Chips
Certified with LM80,
up to 150 lm/w

LM-80
Certified with LM80
up to 150 lm/w

IP65 Rated

Suitable for outdoor lighting



Professional Light Distribution

Type III, Type IV for
Regular Use: Type III

High Quality Housing

Adequate die-casting aluminum material
for reliable heat dissipation

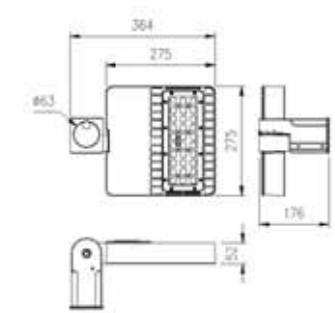


Power Supply

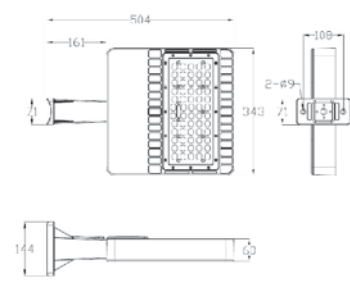
Specification

MODEL	POWER	LUMENS	REPLACES	INPUT VOLTAGE	FREQUENCY	CCT	ETL	DLC
BWPL-24W-A	24W	2640LM	70W	100-277VAC	50-60Hz	3000-5000K	✓	✓
BWPL-48W-A	48W	5280LM	150W	100-277VAC	50-60Hz	3000-5000K	✓	✓
BWPL-80W-A	80W	8800LM	250W	100-277VAC 347-480VAC Option	50-60Hz	3000-5000K	✓	✓
BWPL-100W-A	100W	11000LM	400W	100-277VAC 347-480VAC Option	50-60Hz	3000-5000K	✓	✓
BWPL-150W-A	150W	16500LM	500W	100-277VAC 347-480VAC Option	50-60Hz	3000-5000K	✓	✓
BWPL-200W-A	200W	22000LM	600W	100-277VAC 347-480VAC Option	50-60Hz	3000-5000K	✓	✓
BWPL-300W-A	300W	33000LM	1000W	100-277VAC 347-480VAC Option	50-60Hz	3000-5000K	✓	✓

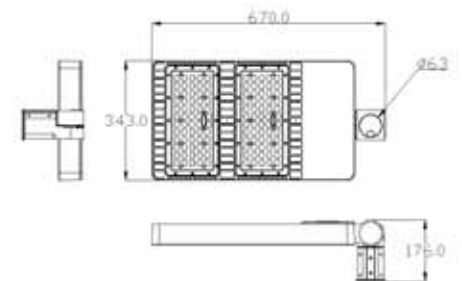
Dimension



24W-48W



80W-150W



200W-300W

Application



Flat Panel Lights

40W - 70W

High Quality
LGP

High Quality LGP

PMMA, high efficiency in light distribution
No "yellowing" within 5 years warranty

Epistar 2835 chips

Certified with LM80, 135lm/w

LM-80

Certified with LM80
up to 135 lm/w



Surge Protection

Safe from common surges



Easy Installation

Less cost for installation
& maintenance

**UGR
<19**

UGR<19

**Pretested
Drivers**

Pretested Drivers

Burnt in 24hrs before
shipping to ensure quality

Integrated
Power
Supply

Integrated Power Supply

Protects electronics
More safe and comply with UL requirements

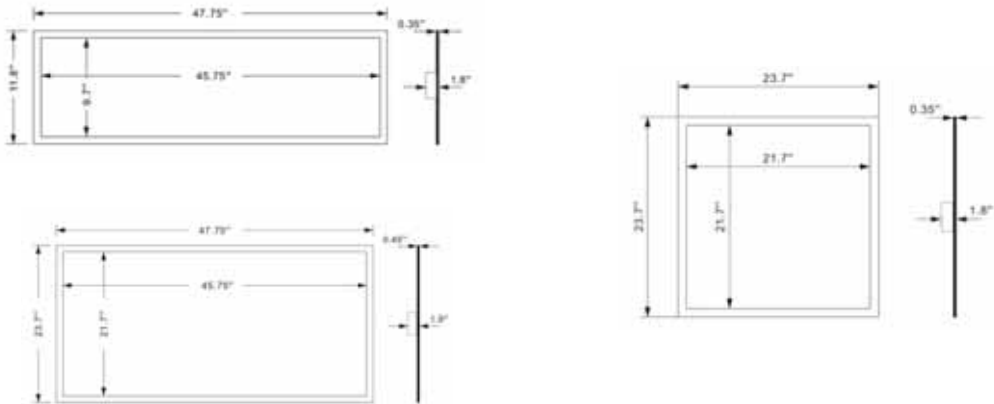


Self-produced Driver

Specification

MODEL	SIZE	LUMENS	POWER	DIMMING	INPUT VOLTAGE	FREQUENCY	CCT	UL	DLC	
									4.0	3.1
GLM-ULA14-40AXX	1X4 300*1200	4400LM	40W	0-10V	100-277VAC	50-60Hz	4000-5000K	✓	✓	✓
GLM-ULA22-40AXX	2X2 600*600	4400LM	40W	0-10V	100-277VAC	50-60Hz	4000-5000K	✓	✓	✓
GLM-ULA22-48AXX	2X2 600*600	5280LM	48W	0-10V	100-277VAC	50-60Hz	4000-5000K	✓	✓	✓
GLM-ULA24-52AXX	2X4 600*1200	5720LM	52W	0-10V	100-277VAC	50-60Hz	4000-5000K	✓	✓	✓
GLM-ULA24-60AXX	2X4 600*1200	6600LM	60W	0-10V	100-277VAC	50-60Hz	4000-5000K	✓		✓
GLM-ULA24-70AXX	2X4 600*1200	7700LM	70W	0-10V	100-277VAC	50-60Hz	4000-5000K	✓		✓

Dimension



Application

