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2017 SPRING

MATRIX VIRIBRIGHT FernHoward
L I G H T I N G



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- 06 3LED *(2017 New)*
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About **MATRIX**

Matrix Lighting is a subsidiary of Matrix Holdings Limited (1005.HK), a public listed company on the Hong Kong Stock Exchange. Matrix Lighting concentrates its business on the development of diversified LED lighting solutions, functioning as a vertically integrated company which designs, engineers, and manufactures finished LED integral lamps from the ground up.

About **VIRIBRIGHT**

VIRIBRIGHT has become an industry recognized brand. Its NEW series “90+90” have hit new heights in LED bulb performance achieving 90+CRI @ 90+Lm/W and with R9 values up to 85.

The benefits of this High CRI and efficiency are quality of the light experience for the customer while maintaining maximum energy savings and efficiency. Our new patent pending and proprietary remote phosphor technology is engineered to offer high CRI, highest efficiency, and best value. Leadership as defined by innovation and value gives VIRIBRIGHT the distinction of being a leader in both technology and cost innovation.

Vertical Integration

Our aim is to manufacture as much as possible in house, enabling us to control the over all cost, quality, and sustainability.

We produce and control everything except for the LED package and common electronic components, for example:

- Plastic Injection
- Driver Manufacturing
- Aluminum Die Casting
- Assembly
- LED Packaging
- Testing
- IC Development
- QA/QC

Our Mission

To bring the highest quality of light in the most efficient way and maintaining the greatest value possible to the consumer.

- Highest Quality of Light
- Highest Efficiency
- Value

Our Technology

VIRIBRIGHT will be supplying a new range of 90+CRI at 90 Lumens per watt (Lpw) efficiency series of A Lamps and Candle bulbs, as well as 90+CRI at 80 Lumens per watt (Lpw) range of PAR’s, Spotlights and Down Light inserts. Through the invention of our new color conversion LED technology, that is patent pending, VIRIBRIGHT has been able to deploy this technology across an entire product range. The new technology not only increases the CRI to those of the Sun and Fire, but also has increased the efficiency of energy to light conversion exponentially. The new “90+90” series embodies this latest technological breakthrough and is brought to you by VIRIBRIGHT.

Compliance and Standards

Viribright LED Bulbs are engineered and manufactured to comply or exceed industry safety and performance standards.



INNOVATIONS NEED NOT TO BE COSTLY

Our new Matrix LED products embody numerous advances in technology.

1/. Floating Heat Sink Support

- Improving the reliability of the LED product and prolonging the product life.

Patent: US9379300 B2 • CN203521475U

2/. Double-Layered Fluorescent Powder

- Through the irradiation of inner layer of fluorescent powder to excite the outer layer of fluorescent powder so as to improve the CRI of the light, increase lighting area and intensity.

Patent: CN20237164 U

Patent Pending: WO2013053286 A1

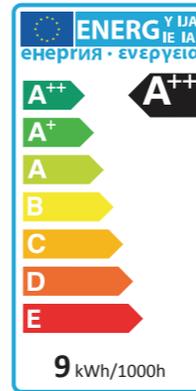
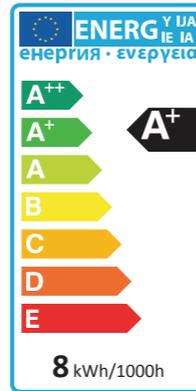
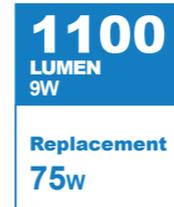
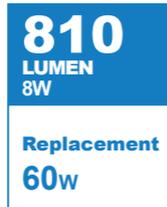
3/. Fluorescent Composite Resin Substrate White Light LED

- Utilising a light emitting unit on fluorescent composite resin substrate to emit the light 3-dimensionally, increase the lumen output and improve the heat dissipation. This is a pioneer technology that overcomes the drawbacks of COB and COG technologies commonly used in the LED lighting products.

Patent: US9246066B1 • CN105222072A

4/. Aesthetic Design

A19 LED BULBS



LED Bulbs



8W
• 810 lm

9W
• 1100 lm



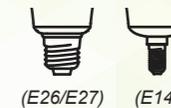
Specifications:

Color T. 2700K / 4000K / 6000K

Voltage 100 - 270V AC (For 60 Hz operating voltage countries)

100 - 240V AC (For 50 Hz operating voltage countries)

Base:



3LED

4W - 10W
• 440 lm - 1100 lm

**2017
NEW!**



Specifications:

Color T. 2700K / 4000K / 6000K

Voltage 100 - 270V AC (For 60 Hz operating voltage countries)
100 - 240V AC (For 50 Hz operating voltage countries)

CRI 90 + Lm/W 90



Base:



Panel Light

80W
• 7200 lm

CRI 90 + Lm/W 90



**2017
NEW!**

Specifications:

Color T. 2700K / 4000K / 6000K

Voltage 100 - 240V AC



PAR20

8W
• 700 lm

**2017
NEW!**

CRI
90 + **Lm/W**
90



Specifications:

Color T. 2700K / 4000K / 6000K
Voltage 100 - 285V AC (For 60 Hz operating voltage countries)
100 - 240V AC (For 50 Hz operating voltage countries)

Base:



Candle Bulbs

3.2W
• 290 lm

CRI
90 + **Lm/W**
90



Specifications:

Color T. 2700K / 4000K / 6000K
Voltage 100 - 285V AC (For 60 Hz operating voltage countries)
100 - 240V AC (For 50 Hz operating voltage countries)

Base:





Globes

2W
• 180 lm

CRI
90


270°



Specifications:

Color T. 2700K / 4000K / 6000K

Voltage 100 - 285V AC (For 60 Hz operating voltage countries)
100 - 240V AC (For 50 Hz operating voltage countries)

Base:



Spotlights

4.2W
• 310 lm

CRI
90


60°/80°



Specifications:

Color T. 2700K / 4000K / 6000K

Voltage 100 - 285V AC (For 60 Hz operating voltage countries)
100 - 240V AC (For 50 Hz operating voltage countries)
12V AC/DC

Base:



PLC

8.5W
• 640 lm



Specifications:

Color T. 2700K / 4000K / 6000K

Voltage 100 - 285V AC (For 60 Hz operating voltage countries)

100 - 240V AC (For 50 Hz operating voltage countries)

Base:



(G24D)



(G24Q)



(GX23)



(GU24)



(E27)

PARs

4.2W
• 310 lm

9.5W
• 750 lm

15W
• 1100 lm



Specifications:

PAR 38 Available in IP20/IP55

Color T. 2700K / 4000K / 6000K

Voltage 100 - 285V AC (For 60 Hz operating voltage countries)

100 - 240V AC (For 50 Hz operating voltage countries)

12V AC/DC

Base:



(E26/E27)



(B22)



(GU24)



(GU10)



(MR16)



(E14)

BRs

9.5W

• 650 - 760 lm

15W

• 1100 - 1200 lm



Specifications:

Color T. 2700K / 4000K / 6000K

Voltage 100 - 285V AC (For 60 Hz operating voltage countries)
100 - 240V AC (For 50 Hz operating voltage countries)

Base:



T8 Tubes

0.6M/2' [10W] : 900 lm

1.2M/4' [20W] : 1800 lm

1.5M/5' [25W] : 2300 lm



Specifications:

Base G13

Color T. 2700K / 4000K / 6000K

Voltage 100 - 285V AC (For 60 Hz operating voltage countries)
100 - 240V AC (For 50 Hz operating voltage countries)

Features:

- Constant illumination
- Ultra bright
- Single side powered
- Adjustable multi-angle design



All Weather T8 Tube

0.6M/2' [10W] : 900 lm

1.2M/4' [20W] : 1800 lm

1.5M/5' [25W] : 2300 lm



(Ingress Protection: IP66)

30CM T8 Tube

0.3M [9W] : 810 - 820 lm

Specifications:

- Base** AC Terminal
- Color T.** 2700K / 4000K / 6000K
- Voltage** 100 - 285V AC (For 60 Hz operating voltage countries)
100 - 240V AC (For 50 Hz operating voltage countries)



Downlights



8.5W (3")
• 450 lm

9.5W (4")
• 550 lm

13W (6")
• 850 - 900 lm



Specifications:

- Base** AC Terminal
- Color T.** 2700K / 4000K / 6000K
- Voltage** 100 - 285V AC (For 60 Hz operating voltage countries)
100 - 240V AC (For 50 Hz operating voltage countries)



Street Lamps



120W
• 10000 lm



(Ingress Protection: IP65)

Specifications:

- Base** AC Terminal
- Color T.** 2700K / 4000K / 6000K
- Voltage** 100 - 285V AC (For 60 Hz operating voltage countries)
100 - 240V AC (For 50 Hz operating voltage countries)

Features:

- Low Power Consumption
- Long Lifespan
- Auto-Dimmable (Optional)
- Instant On and Off
- Rohs Compliance
- No Hazardous Material

Dimmers



United States United States / Australia United Kingdom Europe

Specifications:

- Switch Type** Rotary Knob / Slide
- Color** White / Ivory
- Max. Loading** 200VA (EUR, UK, AUS) / 300VA (US)
- Voltage** 220 - 240V AC, 1A / 100 - 120V AC, 3A





Yahoo Office (Hong Kong)



McDonald's (Portugal)



Hydro Majestic Hotel (Australia)



Industrial Association - AIP (Portugal)



Sheraton Hotel (China)



Munich Catholic Church (Germany)



Hotel Eclipse (Poland)



Car Park (Switzerland)



Carrefour Express (Poland)



Hospital Showroom (Turkey)



Popeyes (US)



MTR - Headquarters (Hong Kong)