Product Description

Available with a variety of designated optic distributions, efficient Philips Lumileds LEDS, and powered by a Inventronics driver, the Performance M offers superior quality of light and full flexibility optics for many exterior and interior lighting applications. Enjoy supreme long term reliability. This luminaire is a cutting edge innovation in design and performance. Thus, the Performance M!

Project:		Type:
Location:		
Prepared By:		Date:
Comments:		

PERFORMANCE M
Heavy Industrial and Commercial Multi-Application
LED Dimmable Luminaire

Performance Summary:

- Philips Lumileds OSRAM 5050 LEDS with high efficacy >155 Lm/W
- Low profile flood, spot, area light, high bay, wall wash, and sportslighter
- Complies with Dark Sky requirements when mounted horizontally to the ground
- National listing lab tested with 15 IES light distribution choices
- Modular design for easy maintenance or upgrade
- Optic built directly over the LEDS for accurate beam angle and photometrics
- Stainless hardware with protective tempered glass lens cover
- Crystal clear tempered glass or glare reducing diffused glass option
- Solid State with high-shock and vibration resistance
- Instant on and off without delay or re-strike
- Designed for harsh temperature and high humidity
- Air ventilation housing design allows very effective airflow
- Proprietary patented thermal management design ensures low junction temp
- Unique, fold fin heatsink technology greatly reduces thermal density
- High quality die-cast aluminum housing
- Special surface powdercoat treament process with many RAL selections
- Coastal finish with stainless steel brackets available for salt water areas
- Excellent resistance to corrosion, UV degradation and abrasion
- Thermal management design with low junction temperature
- Extremely light weight for safety in use and installation
- Structurally rigid heavy duty brackets with angle adjustment
- Brackets feature aircraft grade 202 stainless steel
- Choice of mounting to poles or surfaces with trunnion and slipfitter options
- Optional glare shields provide superior cutoff
- Motion sensor, daylight sensor, and photocell options
- Commercial CRI - RA>70 enhances original colors - 80 CRI optional
- 1/9th micro color binning enables tight color control
- Hot color targeting ensures color is within ANSI bin compliance
- High shock and vibration resistance approved
- No lead, mercury, UV or IR radiation
- Conforms to ISO9001:2000 Quality Management System
- Short circuit, over current, over voltage, over temp protection
- Inventronics driver with optional 0-10V or DALI dimming
- 6.5' power cord whip with .75mm triple shielding
- IP65 rated for outdoor applications
- Operating temperature: -40 to 45 degrees celsius
- Certifications: CE, CB, SAA, RoHS, ETL, cETL, DLC
- 100,000 hour LED life
- 10 year limited warranty

80W / 100W

300W / 400W

500W / 600W

800W / 1000W

500W / 600W

Vivid Leds, Inc.
PO BOX 9
Sellersburg, IN 47172
330-809-0431
www.vividleds.us

Dimensions, specifications, and product pictures are subject to change without notice.

VividLeds
ILLUMINATING YOUR GREEN FUTURE

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Revised 8.31.23

Models:

- VVDBLFL060 - 60W - 9400 Lm - 14.4"(H) x 10.2"(W) x 3.6"(D) - 9.3 Lbs - EPA 0.76
- VVDBLFL080 - 80W - 12,100 Lm - 14.4"(H) x 12.2"(W) x 3.6"(D) - 13 Lbs - EPA 0.94
- VVDBLFL100 - 100W - 14,100 Lm - 14.4"(H) x 12.2"(W) x 3.6"(D) - 13 Lbs - EPA 0.94
- VVDBLFL120 - 120W - 18,500 Lm - 14.4"(H) x 14.2"(W) x 3.6"(D) - 15.9 Lbs - EPA 1.11
- VVDBLFL150 - 150W - 22,100 Lm - 14.4"(H) x 14.2"(W) x 3.6"(D) - 15.9 Lbs - EPA 1.11
- VVDBLFL200 - 200W - 31,300 Lm - 14.4"(H) x 16.2"(W) x 3.6"(D) - 18.1 Lbs - EPA 1.28
- VVDBLFL250 - 250W - 35,600 Lm - 14.4"(H) x 18.1"(W) x 3.6"(D) - 19.6 Lbs - EPA 1.46
- VVDBLFL300 - 300W - 44,100 Lm - 14.4"(H) x 22.1"(W) x 3.6"(D) - 24.5 Lbs - EPA 1.82
- VVDBLFL350 - 350W - 52,600 Lm - 14.4"(H) x 26.1"(W) x 3.6"(D) - 27.1 Lbs - EPA 2.18
- VVDBLFL400 - 400W - 62,600 Lm - 14.4"(H) x 26.1"(W) x 3.6"(D) - 27.1 Lbs - EPA 2.18
- VVDBLFL500 - 500W - 71,200 Lm - 26.5"(H) x 23"(W) x 4.6"(D) - 47.4 Lbs - EPA 3.17
- VVDBLFL600 - 600W - 88,200 Lm - 26.5"(H) x 23"(W) x 4.6"(D) - 48.9 Lbs - EPA 3.17
- VVDBLFL800 - 800W - 125,300 Lm - 23"(H) x 31"(W) x 4.6"(D) - 47.4 Lbs - EPA 4.4
- VVDBLFL1000 - 1000W - 142,400 Lm - 23"(H) x 31"(W) x 4.6"(D) - 47.4 Lbs - EPA 4.4
- VVDBLFL1200 - 1200W - 170,800 Lm - 23"(H) x 36.9"(W) x 4.6"(D) - 55.8 Lbs - EPA 5.34

Note: EPA is based on YK mounting option. (D) is the actual depth of the fixture without bracket.

60W to 400W   500W to 1200W
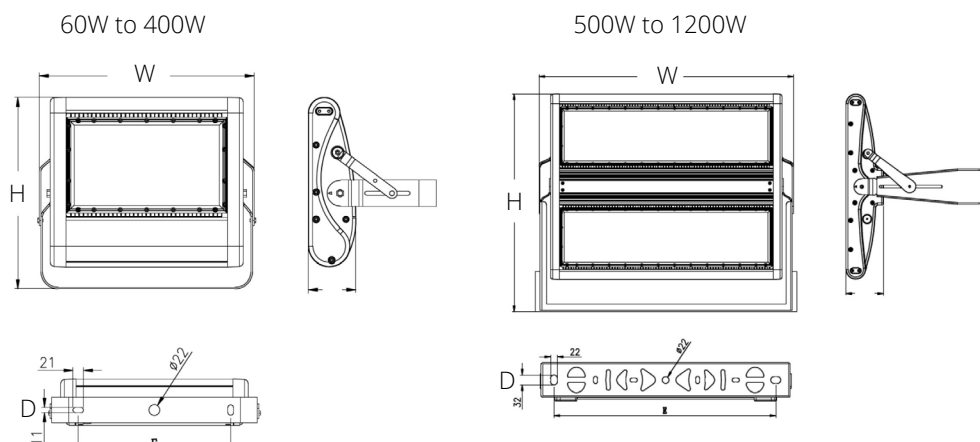
Ordering Information:

				Part Number:		
*Adder Applies					Ordering Example: VVDBLFL060-50-30-UNV1-8019-CL-YK	
Family	CCT	Optic Degree	Voltage	Finish (RAL)	Lens Cover	Mounting
VVDBLFL060 VVDBLFL080 VVDBLFL100 VVDBLFL120 VVDBLFL150 VVDBLFL200 VVDBLFL250 VVDBLFL300 VVDBLFL350 VVDBLFL400 VVDBLFL500 VVDBLFL600 VVDBLFL800 VVDBLFL1000 VVDBLFL1200	30 - 3000K 35 - 3500K 40 - 4000K 45 - 4500K 50 - 5000K 57 - 5700K 65 - 6500K CS - Custom* (Provide NM)	8 - Type V 8* 15 - Type V 15 20 - Type V 20 30 - Type V 30 60 - Type V 60 90 - Type V 90 A45 - 45 x 145 A60L - 60 x 135 A60S - 60 x 90 A70 - 70 x 145 U20 - 20 x 125 U25 - 25 x 125 U30 - 30 x 95 U60 - 60 x 140	UNV1 - 90-305V UNV2 - 347-480V*	9011 - Graphite Black 9016 - Traffic White 9006 - White Aluminum 7016 - Anthracite Grey 7043 - Traffic Grey 8019 - Grey Brown 8028 - Terra Brown 5012 - Light Blue CS2 - Custom RAL*	CL - Clear Glass DF - Diffused Glass	YK - Yoke Bracket SM - Surface Mount Bracket SP - Suspension Mounting Bracket AR1 - Yoke with Static Slipfitter* AR2 - Yoke with Static Slipfitter* AR3 - Slipfitter with Static L Bracket* AR4 - Slipfitter with Static L Bracket*

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Specifications:

The Performance Modular LED Lens System features a proprietary patented thermal management design to ensure low LED junction temperature, while maintaining a light weigh structure. This LED flood light has become the unique product available for many outdoor lighting areas. They are national listing lab tested with LM-79 and LM-80 reports to IESNA standards.

As the key to guarantee the total life span of the luminaire, the protection of the LED source is the core topic in the designing of the Performance luminaire. The carefully selected tempered glass cover and waterproof, chlorine-resistant rubber ring, ensures the total IP of the whole product. It also protects the LED chip from the external agents and impact.

Conforming to ISO9001:2000 Quality Management System, the Performance products maintain CE, RoHs, and ETL Certifications. Utilizing Philips Lumileds LEDS, Meanwell drivers, and a frame built to withstand extreme weather, you will be confident with your purchase for years to come. Start saving up to 80% system energy over your existing HID fixture. Utilize the Performance series dimming capabilities for even greater results. The Performance series is not just an an affordable choice, but a wise one.

Housing and Finish:

- Patented modular structure to realize power serialization by changing module quantity
- Aerodynamic styling
- Separable installation method
- Complies with Dark Sky requirements when mounted horizontally to the ground
- Heavy grade die-cast iron with zinc plating construction built for extreme weather and durability
- Corrosion resistant, UV stabilized, polyester powder coat finish
- Fold-fin heatsink (FFH) technology formed by thin aluminum sheets and pressed into the desired fin structures by fully automated machines
- Air ventilation housing design allows very effective airflow across the heatsking and helps remove the heat from the LED by natural convection
- Distributed light source configuration spreads the heat source over a large area, greatly reducing thermal density, to help lower the junction temperature for optimum efficiency
- High shock and vibration resistance approved - 2G vibration test IEC 60598-1 - 1.5G per ANSI 136.31
- Easy access front panel power door assembly for quick installation and maintenance
- Structurally rigid 202 stainless steel heavy duty brackets, available in multiple configurations, with angle adjustment

Certifications and Warranty:

- CE, CB, SAA, ETL, cETL, DLC, suitable for wet locations per UL 1598
- All components are IP65 rated according to IEC60598
- RoHS compliant
- Operating temperature: -40 to 45 C
- Operating humidity: 20% to 90%

Electrical:

- Inventronics Class I dimmable drivers for ultimate quality and long life
- Optimized life expectancy of driver is 62,000 hours
- 0-10V or DALI dimming optional
- Lead-wires are 18AWG 105C/600V solid copper
- Voltage ranges from 90-305 VAC, 347-480 VAC
- Class "A" sound rating
- Max surge protection of 10kv. IEEE/ANSE C62412
- System power factor is 0.90 and THD <20%
- Thermal protection reduces the LED output if case temperature exceeds 185 degrees fahrenheit
- LED driver complies with UL standard UL1012

LED and Lens Assembly:

- Philips Lumileds Luxeon 5050 LEDS >155 Lm/W
- Crystal clear tempered glass or glare reducing diffused glass optical lens design
- Precise, non-image optics system, improves lumen output ratio with uniform distribution
- Lens reflector built directly over the LEDS for accurate beam angle and photometrics
- Instant on or off without delay or re-strike
- High CRI - RA>70 enhances original colors
- Contains no Mercury or Lead
- No infrared or UV radiation resulting in insect reduction
- National listing lab tested with LM-79 and LM-80 reports to IESNA standards
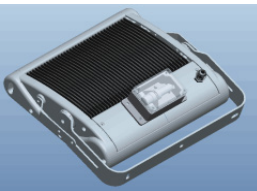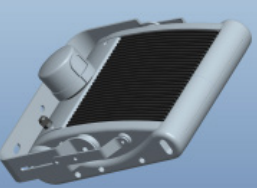- Lumen depreciation is L70 at 60,000 hours
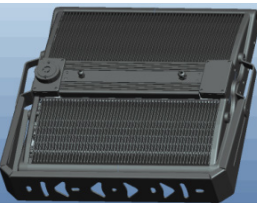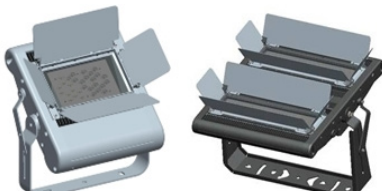
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Mounting:

AR1 & AR2 - Adjustable Yoke with Static Slipfitter for Pole Mounting · Static slipfitter attached to adjustable yoke · Yoke has angle adjustment on side of fixture · AR1 - 2.375" (60mm) O.D. or AR2 -1.66" (42mm) O.D. · Stainless steel hardware to ensure long life · Dimming and electrical cable included, pre-wired, extended outside the unit for quick installation · Durable iron, zinc plating, and a powdercoat finish		Applications: · Roadways · Streets · Parking Lots · Security Lighting · Sports Lighting
AR3 & AR4 - Adjustable Slipfitter with Static L Bracket for Pole Mounting · Adjustable tenon attached to static yoke or L bracket · For mounting 90 degrees horizontally or vertically · AR3 - 2.375" (60mm) O.D. or AR4 -1.66" (42mm) O.D. · Stainless steel hardware to ensure long life · Dimming and electrical cable included, pre-wired, extended outside the unit for quick installation · Durable iron, zinc plating, and a powdercoat finish		Applications: · Roadways · Streets · Parking Lots · Security Lighting · Sports Lighting
YK - Yoke Bracket · Structurally rigid heavy duty tilting bracket with angle adjustment · Standard size Yoke bracket for flood lighting · Stainless steel hardware to ensure long life · Dimming and electrical cable included, pre-wired, extended outside the unit for quick installation · Durable iron, zinc plating, and a powdercoat finish		Applications: · Security Lighting · Sports Lighting · Stadiums · Parking Lots · General Flood Lighting
SM - Surface Mount Bracket · Structurally rigid heavy duty tilting bracket with angle adjustment · Low profile mount design for high bays, canopies or general surface mounting · Stainless steel hardware to ensure long life · Dimming and electrical cable included, pre-wired, extended outside the unit for quick installation · Durable iron, zinc plating, and a powdercoat finish		Applications: · High Bays · Canopies · Gymnasiums · Warehouses · Manufacturing · Garages
SP - Suspension Mounting Bracket · Structurally rigid heavy duty tilting bracket with angle adjustment · Low profile mount design for high bays, canopies or general surface mounting · Stainless steel hardware to ensure long life · Dimming and electrical cable included, pre-wired, extended outside the unit for quick installation · Durable iron, zinc plating, and a powdercoat finish · Gripple aircraft cable and accessories sold seperately		Applications: · High Bays · Gymnasiums · Warehouses · Manufacturing · Aircraft Hangars

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Accessories:

Performance M SP Gripple Suspension Accessories: • VVDYFIT210: Gripple Y-Fit Standard Hang Fast 100 Lbs Y-Hook with 10' Galvanized Cable and Snap (Pair) • VVDYFIT215: Gripple Y-Fit Standard Hang Fast 100 Lbs Y-Hook with 15' Galvanized Cable and Snap (Pair) • VVDLOOP210: Gripple 100 Lbs Safety Cable Galvanized 10' • VVDLOOP215: Gripple 100 Lbs Safety Cable Galvanized 15'		
VVD23M4 - Motion Sensor with Day Light Sensor On/Off Function • Specifications and Features found on our website		
VVD24M4 - Daylight Sensor with Dimming Function • Specifications and Features found on our website		
VVD25M4 - Photocell with On/Off Function • Specifications and Features found on our website		
VVD26M5 - 5-Pin Receptacle **VVD26M4** - 7-Pin Receptacle • Specifications and Features found on our website		
VVD27M4 - Type 1 Adjustable Flap Style Glare Shield • Specifications and Features found on our website		
VVD28M4 - Type 2 Static Box Style Glare Shield • Specifications and Features found on our website		
VVD30M4 - Extended Power Cord Priced Per Foot **VVD31M4** - Grounded U.S. Plug **VVD33WG** - Wire Guard **VVDCCSS** - Coastal Finish **VVD29M4** - 316L Stainless Steel **VVD80CRI** - 80 CRI		

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