

Product Description

Available with a variety of designated optic distributions, efficient Philips Lumileds LEDs, and powered by a Meanwell driver, this series 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 series!

> Standard Ship Product - 30 Day Lead Time

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

Performance Summary:

- Philips Lumileds Luxeon 5050 LEDs with high efficacy >155 Lm/W
- Low profile flood, spot, area light, high bay and sports lighter
- Complies with Dark Sky requirements when mounted horizontally to the ground
- National listing lab tested with 8 IES light distributions
- 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
- 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
- High quality die-cast aluminum processing technique
- Special surface powdercoat treatment process with many RAL selections
- 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
- Choice of mounting to poles or surfaces with trunnion and slipfitter options
- Optional glare shields provide superior cutoff
- Proprietary patented thermal management design ensures low junction temp
- High CRI - RA>80 enhances all original colors
- 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
- Meanwell driver with included 1-10V, resistance and PWM dimming
- 6.5' power cord whip with .75mm triple shielding
- IP65 rated for outdoor applications
- Operating temperature: -40 to 45 degrees celsius
- Certifications: CE, RoHS, ETL, cETL, DLC
- 100,000 hour LED life
- 5 year system warranty

PERFORMANCE M SERIES

Modular Design with Multiple Mounting Options

LED Dimmable Luminaire



Vivid Leds, Inc.
PO BOX 9
Sellersburg, IN 47172
800-974-3570
www.vividleds.us

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

The product on this page is a manufactured to order, non-stocking item. This product cannot be returned for refund or credit.

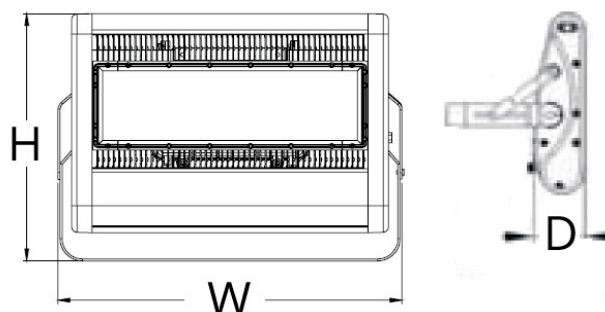
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Revised 5.14.19

Models:

- VVDBLFL2260 - 60W - 9308 Lm - 14.4"(H) x 12.9"(W) x 3.6"(D) - 11 Lbs - EPA 0.9
- VVDBLFL2280 - 80W - 12,602 Lm - 14.4"(H) x 12.9"(W) x 3.6"(D) - 11 Lbs - EPA 0.9
- VVDBLFL2100 - 100W - 15,752 Lm - 14.4"(H) x 15.2"(W) x 3.6"(D) - 12.2 Lbs - EPA 1.1
- VVDBLFL2120 - 120W - 18,902 Lm - 14.4"(H) x 15.2"(W) x 3.6"(D) - 12.2 Lbs - EPA 1.1
- VVDBLFL2150 - 150W - 23,628 Lm - 14.4"(H) x 15.2"(W) x 3.6"(D) - 12.2 Lbs - EPA 1.1
- VVDBLFL2200 - 200W - 31,504 Lm - 14.4"(H) x 20"(W) x 3.6"(D) - 16.5 Lbs - EPA 1.47
- VVDBLFL2250 - 250W - 37,232 Lm - 14.4"(H) x 20"(W) x 3.6"(D) - 16.5 Lbs - EPA 1.47
- VVDBLFL2300 - 300W - 45,824 Lm - 14.4"(H) x 22.3"(W) x 3.6"(D) - 18.7 Lbs - EPA 1.65
- VVDBLFL2350 - 350W - 53,700 Lm - 24.5"(H) x 21"(W) x 4.6"(D) - 32 Lbs - EPA 2.5
- VVDBLFL2400 - 400W - 63,008 Lm - 24.5"(H) x 21"(W) x 4.6"(D) - 32 Lbs - EPA 2.5
- VVDBLFL2500 - 500W - 74,464 Lm - 24.5"(H) x 23.3"(W) x 4.6"(D) - 34.2 Lbs - EPA 2.8
- VVDBLFL2600 - 600W - 88,784 Lm - 24.5"(H) x 23.3"(W) x 4.6"(D) - 34.2 Lbs - EPA 2.8
- VVDBLFL2800 - 800W - 126,016 Lm - 24.5"(H) x 32.8"(W) x 4.6"(D) - 43.1 Lbs - EPA 4.1
- VVDBLFL2110 - 1000W - 157,520 Lm - 30.1"(H) x 29.3"(W) x 6.7"(D) - 51.5 Lbs - EPA 4.6

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



Detailed dimensions are available to download from the website product page.

Ordering Information:				Part Number:		
*Adder Applies				Ordering Example: VVDBLFL2280-50-30-UNV1-8019-CL-AR1		
Family	CCT	Optic	Voltage	Finish (RAL)	Lens Cover	Mounting
VVDBLFL2260	30 - 3000K	30 - Type V 30 Degree	UNV1 - 90-305V	9011 - Graphite Black	CL - Clear Glass	AR1 - Yoke with Static Slipfitter*
VVDBLFL2280	35 - 3500K	45 - Type V 45 Degree	UNV2 - 347-480V*	9016 - Traffic White	DF - Diffused Glass	AR2 - Yoke with Static Slipfitter*
VVDBLFL2100	40 - 4000K	60 - Type V 60 Degree		9006 - White Aluminum		AR3 - Slipfitter with Static L Bracket*
VVDBLFL2120	45 - 4500K	75 - Type V 75 Degree		7016 - Anthracite Grey		AR4 - Slipfitter with Static L Bracket*
VVDBLFL2150	50 - 5000K	T45 - 85 x 45 Degree		7043 - Traffic Grey		YK - Yoke Bracket
VVDBLFL2200	57 - 5700K	T90 - 85 x 90 Degree		8019 - Grey Brown		SM - Surface Mount Bracket
VVDBLFL2250	65 - 6500K	T60 - 60 x 135 Degree		8028 - Terra Brown		SP - Suspension Mounting Bracket
VVDBLFL2300	CS - Custom*	T85 - 85 x 135 Degree		5012 - Light Blue		
VVDBLFL2350	(Provide NM)			CS2 - Custom RAL*		
VVDBLFL2400						
VVDBLFL2500						
VVDBLFL2600						
VVDBLFL2800						
VVDBLFL2110						



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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 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 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 heavy duty brackets, available in multiple configurations, with angle adjustment

Certifications and Warranty:

- CE, 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%
- 5 year system warranty

Electrical:

- Meanwell Class I dimmable drivers for ultimate quality and long life
- Optimized life expectancy of driver is 62,000 hours
- 1-10V, PWM or resistance dimming
- 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 >95% 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 >140 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>74 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:

<p>AR1 & AR2 - Adjustable Yoke with Static Slipfitter for Pole Mounting</p> <ul style="list-style-type: none"> • 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 		<p>Applications:</p> <ul style="list-style-type: none"> • Roadways • Streets • Parking Lots • Security Lighting • Sports Lighting
<p>AR3 & AR4 - Adjustable Slipfitter with Static L Bracket for Pole Mounting</p> <ul style="list-style-type: none"> • 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 		<p>Applications:</p> <ul style="list-style-type: none"> • Roadways • Streets • Parking Lots • Security Lighting • Sports Lighting
<p>YK - Yoke Bracket</p> <ul style="list-style-type: none"> • 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 		<p>Applications:</p> <ul style="list-style-type: none"> • Security Lighting • Sports Lighting • Stadiums • Parking Lots • General Flood Lighting
<p>SM - Surface Mount Bracket</p> <ul style="list-style-type: none"> • 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 		<p>Applications:</p> <ul style="list-style-type: none"> • High Bays • Canopies • Gymnasiums • Warehouses • Manufacturing • Garages
<p>SP - Suspension Mounting Bracket</p> <ul style="list-style-type: none"> • 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 		<p>Applications:</p> <ul style="list-style-type: none"> • High Bays • Gymnasiums • Warehouses • Manufacturing • Aircraft Hangars

Accessories:

<p>Performance M SP Gripple Suspension Accessories:</p> <ul style="list-style-type: none"> • 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' 		
<p>VVD23M4 - Motion Sensor with Day Light Sensor On/Off Function</p> <ul style="list-style-type: none"> • Specifications and Features found on our website 		
<p>VVD24M4 - Daylight Sensor with Dimming Function</p> <ul style="list-style-type: none"> • Specifications and Features found on our website 		
<p>VVD25M4 - Photocell with On/Off Function</p> <ul style="list-style-type: none"> • Specifications and Features found on our website 		
<p>VVD26M4 - 7-Pin Receptacle</p> <ul style="list-style-type: none"> • Specifications and Features found on our website 		
<p>VVD27M4 - Type 1 Adjustable Flap Style Glare Shield</p> <ul style="list-style-type: none"> • Specifications and Features found on our website 		
<p>VVD28M4 - Type 2 Static Box Style Glare Shield</p> <ul style="list-style-type: none"> • Specifications and Features found on our website 		
<p>VVD30M4 - Extended Power Cord Priced Per Foot VVD31M4 - Grounded U.S. Plug VVD33WG - Wire Guard</p>		