

Product Description

Available with a variety of designated optic distributions, efficient Osram P8 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: | | |

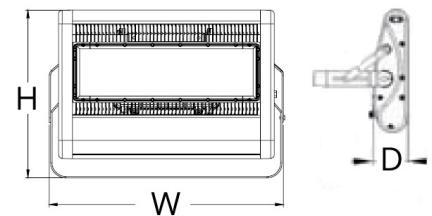
Performance Summary:

- Osram P8 LEDs with high efficacy >140 Lm/W
- Low profile flood, spot, area light, high bay and sports lighter
- National listing lab tested with 10 IES light distributions
- Modular design for easy maintenance or upgrade
- Stainless hardware with protective tempered glass lens cover
- Solid State with high-shock and vibration resistance
- High quality die-cast aluminum processing technique
- Special surface powdercoat treatment process with many RAL selections
- Thermal management design with low junction temperature
- Extremely light weight for safety in use and installation
- Structurally rigid heavy duty brackets with angle adjustment
- Optional glare shields provide superior cutoff
- High CRI - RA>80 enhances all original colors
- Meanwell driver with included 1-10V, resistance and PWM dimming
- 6.5' power cord whip with .75mm triple shielding
- Operating temperature: -25 to 65 degrees celsius
- Certifications: CE, RoHS, ETL, cETL, DLC - IP65 rated
- 100,000 hour LED life - 5 year system warranty

PERFORMANCE M SERIES

Modular Design with Multiple Mounting Options

LED Dimmable Luminaire



Models:

- WDBLFL60 - 60W - 8600 Lm - 14.4"(H) x 12.9"(W) x 3.6"(D) - 11 Lbs - EPA 0.7
- WDBLFL80 - 80W - 11,800 Lm - 14.4"(H) x 12.9"(W) x 3.6"(D) - 11 Lbs - EPA 0.7
- WDBLFL100 - 100W - 14,500 Lm - 14.4"(H) x 15.2"(W) x 3.6"(D) - 12.2 Lbs - EPA 0.8
- WDBLFL150 - 150W - 22,000 Lm - 14.4"(H) x 15.2"(W) x 3.6"(D) - 12.2 Lbs - EPA 0.8
- WDBLFL200 - 200W - 28,600 Lm - 14.4"(H) x 20"(W) x 3.6"(D) - 16.5 Lbs - EPA 1.0
- WDBLFL250 - 250W - 36,500 Lm - 14.4"(H) x 20"(W) x 3.6"(D) - 16.5 Lbs - EPA 1.0
- WDBLFL300 - 300W - 43,000 Lm - 14.4"(H) x 21.5"(W) x 3.6"(D) - 18.7 Lbs - EPA 1.2
- WDBLFL350 - 350W - 51,000 Lm - 23.9"(H) x 20"(W) x 4.6"(D) - 32 Lbs - EPA 2.3
- WDBLFL400 - 400W - 57,500 Lm - 23.9"(H) x 20"(W) x 4.6"(D) - 32 Lbs - EPA 2.3
- WDBLFL500 - 500W - 72,000 Lm - 23.9"(H) x 21.5"(W) x 4.6"(D) - 34.2 Lbs - EPA 2.4
- WDBLFL600 - 600W - 83,500 Lm - 23.9"(H) x 21.5"(W) x 4.6"(D) - 34.2 Lbs - EPA 2.4

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

| Ordering Information: | | | | Part Number: | | |
|---|--|--|-------------------------------------|--|---|---|
| *Adder Applies | | | | Ordering Example: WDBLFL80-50-15-UNV1-8019-CL-AR1 | | |
| Family | CCT | Optic | Voltage | Finish (RAL) | Lens Cover | Mounting |
| WDBLFL60 WDBLFL80 WDBLFL100 WDBLFL150 WDBLFL200 WDBLFL250 WDBLFL300 WDBLFL350 WDBLFL400 WDBLFL500 WDBLFL600 | 27 - 2700K 30 - 3000K 35 - 3500K 40 - 4000K 50 - 5000K 57 - 5700K 65 - 6500K CS - Custom* (Provide NM) | 15 - Type V 15x15 Degree 30 - Type V 30x30 Degree 40 - Type V 40x40 Degree 60 - Type V 60x60 Degree 90 - Type V 90x90 Degree S90 - 60x90 Symmetrical S135 - 60x135 Symmetrical A135 - 85x135 Asymmetrical A45 - 85x45 Asymmetrical A90 - 85x90 Asymmetrical | UNV1 - 100-277V 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 | AR1 - Yoke with Static Slipfitter* AR2 - Yoke with Static Slipfitter* AR3 - Slipfitter with Static L Bracket* AR4 - Slipfitter with Static L Bracket* YK - Yoke Bracket SM - Surface Mount Bracket SP - Suspension Mounting Bracket |



Vivid Leds, Inc.
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800-974-3570
www.vividleds.us

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

A3

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Revised 5.12.18

Specifications:

The Performance Modular LED Lens System features a proprietary patented thermal management design to ensure low LED junction temperature, while maintaining a light weight 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 Osram P8 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 heatsinking 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: -25 to 65 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 100-277 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:

- High efficacy Osram P8 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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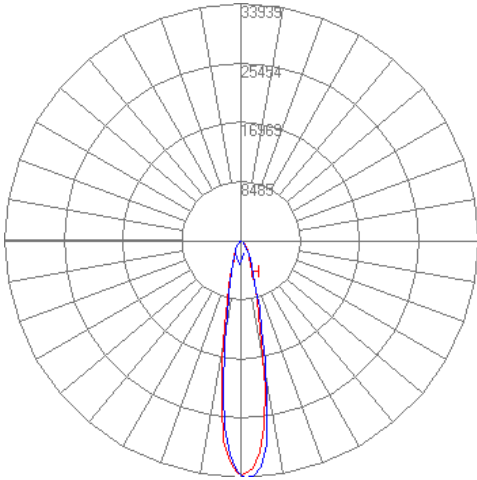
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Mounting:

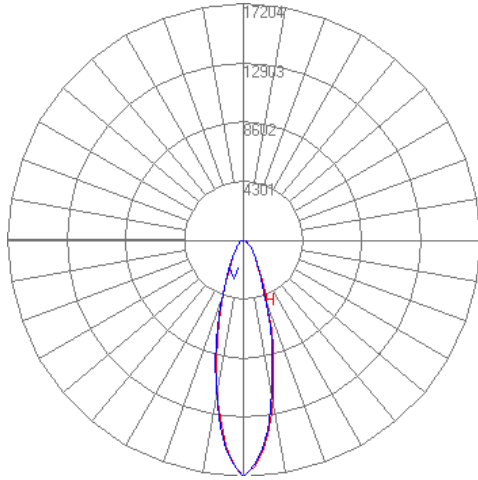
| | | |
|---|--|---|
| <p>AR1 & AR2 - Adjustable Yoke with Static Slipfitter for Pole Mounting</p> <ul style="list-style-type: none"> • Static slipfitter attached to adjustable yoke • Yoke has angle adjustment on side of fixture • AR1 - 2.375" (60mm) O.D. or AR2 - 1.66" (42mm) O.D. • Stainless steel 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 |

Photometry:

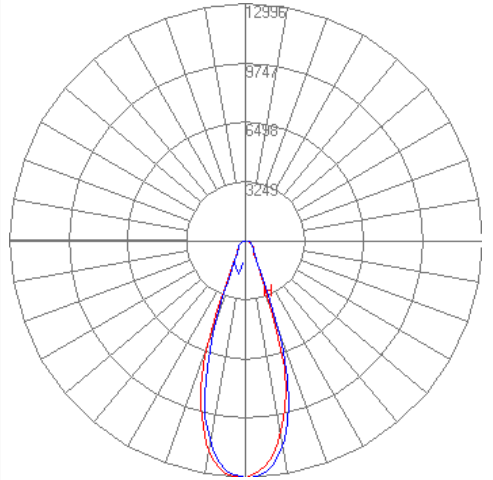
15 - Type V Very Short 15 Degree



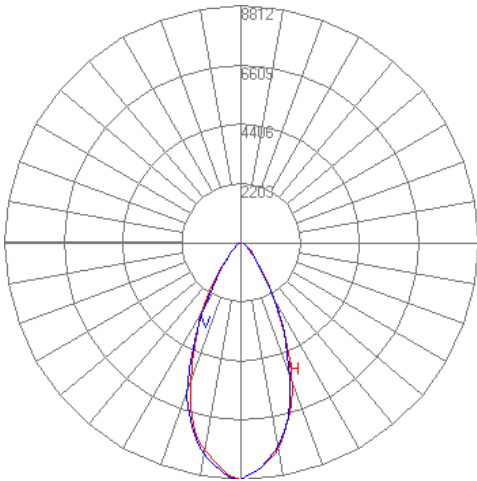
30 - Type V Very Short 30 Degree



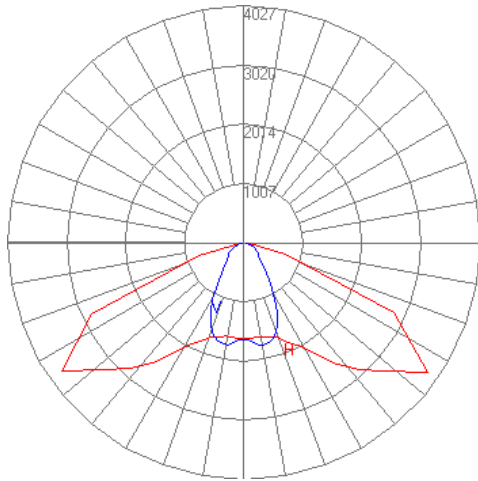
40 - Type V Very Short 40 Degree



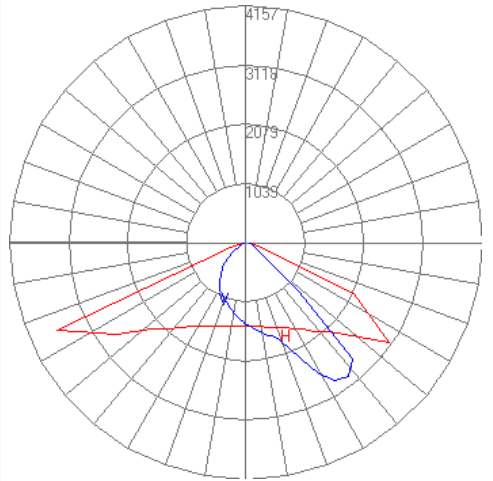
60 - Type V Very Short 60 Degree



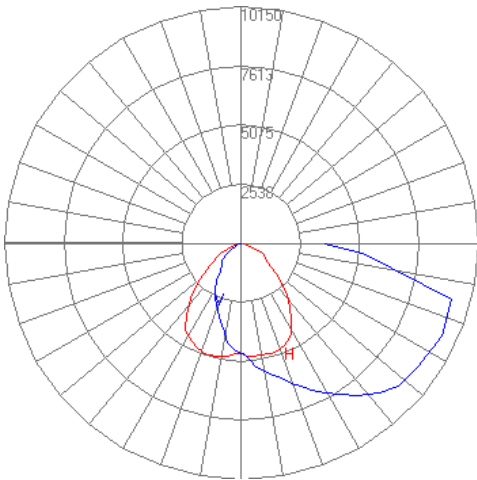
S135 - 60 x 135 Type I Short Symmetrical



A135 - 85 x 135 Type I Short Asymmetrical



A90 - 85 x 95 Type IV Very Short Asymmetrical



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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</p> | | |