



CHALLENGER® II MEDIUM (Various reflectors are protected by U.S. Patent No. 6,464,378.)

HOUSING - Radiused, rectangular-shaped, aluminum housing with stainless steel or electro-zinc plated steel mounting hardware.

DOOR FRAME - Aluminum with two stainless steel captive fasteners for easy access into the fixture. A one-piece extruded EPDM gasket seals the door frame against the housing. The Tool-less Entry and Ground Re-lamp options feature a spring loaded quarter-turn fastener for easy access.

LENS/GASKET - Available with a contoured clear impact-resistant glass lens for vertical lamp optics. A tempered flat clear glass lens or contoured clear impact-resistant glass lens is offered for horizontal lamp optics. The lens is sealed to the door frame with EPDM gasketing.

SOCKETS - Porcelain mogul-base sockets. All sockets are factory prewired. An optional disconnect plug for the ballast is available. All sockets are pulse-rated.

LIGHT SOURCES - Pulse-Start Metal Halide, Super Metal Halide, Super Metal Halide Reduced Envelope, Metal Halide, Metal Halide Reduced Envelope, or High Pressure Sodium. Clear lamp is supplied as standard.

BALLASTS - High-power factor ballast. Pulse-Start Metal Halide, Metal Halide, Super Metal Halide, and High Pressure Sodium fixtures feature a CWA type ballast. All ballasts are designed for -20° F operation. Optional Quick Connect package includes modular plugs for easy ballast wiring, plus removable ballast tray for quick access to the electrical compartment.

REFLECTORS/DISTRIBUTION PATTERNS - Vertical oriented systems include: Type V (5), and Perimeter Forward Throw (FP). Horizontal oriented systems include: Type V (5), Forward Throw (FT), Type III (3), and Type II (2). Photometric data is tested in accordance with IESNA guidelines.

BRACKETS - An extruded radius 8" arm is shipped standard and compatible with all fixture mounting configurations. The fixture may also be mounted to round poles using the round pole plate adaptor accessory (RPP2), which must be ordered separately.

FINISHES - Each fixture is finished with LSI's DuraGrip® polyester powder coat finishing process. The DuraGrip finish withstands extreme weather changes without cracking or peeling, and is guaranteed for five full years. Standard colors include bronze, black, platinum plus, buff, white, satin verde green, metallic silver, and graphite.

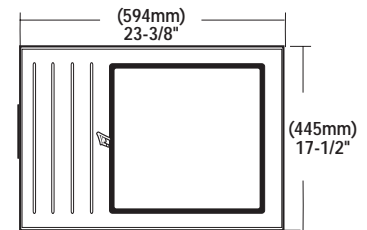
PHOTOMETRICS - Please visit our web site at www.lsi-industries.com for detailed photometric data.



DIMENSIONS



Bracket - 2 Bolt Pattern



LUMINAIRE EPA CHART

Challenger II Medium	F	CT
Single	1.4	1.6
D180°	2.9	3.2
D90°	2.5	3.0
T90°	4.0	4.5
TN120°	4.1	4.7
Q90°	5.1	6.0

Note: F - Flat Glass CT - Contoured

Note: House Side Shield adds to fixture EPA. Consult factory.

SHIPPING WEIGHTS - Challenger II Medium

Catalog Number	Est. Weight (kg/lbs.)	Length (mm/in.)	Width (mm/in.)	Height (mm/in.)
CH2HM	19 / 42	699 / 27.5	559 / 22	432 / 17
CH2VM	19 / 42	699 / 27.5	559 / 22	432 / 17



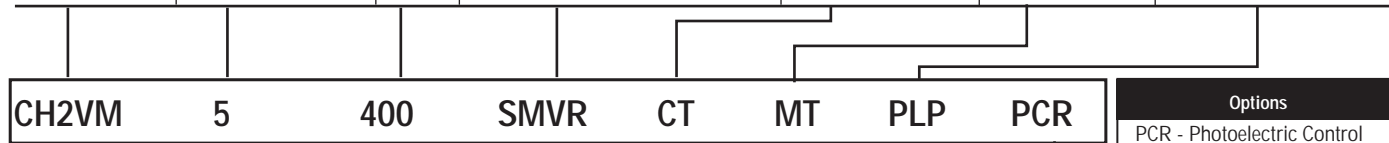
Project Name _____ Fixture Type _____
 Catalog # _____



CHALLENGER® II MEDIUM

LUMINAIRE ORDERING INFORMATION

Luminaire Prefix	Distribution	Lamp Wattage	Light Source	Lens	Line Voltage ²	Luminaire Finish
Vertical Burn CH2VM	FP – Forward Throw Perimeter 5 – Type V	100	PSMV – Pulse-Start Metal Halide 175, 250, 320 Watt	CT - Contoured Clear Impact-resistant Glass	480 MT - Multi Tap ³ TT - Tri-Tap ⁴	BRZ - Bronze BLK - Black PLP- Platinum Plus BUF - Buff WHT - White SVG - Satin Verde Green GPT - Graphite MSV - Metallic Silver
		150	SMVR – Super Metal Halide Reduced Envelope 400 Watt			
		175	MH - Metal Halide 175, 250 Watt			
		250	MHR – Metal Halide Reduced Envelope 400 Watt			
		320	HPS – High Pressure Sodium 100, 150 Watt			
400						
Horizontal Burn CH2HM	2 – Type II 3 – Type III FT– Forward Throw 5 – Type V	100	PSMH – Pulse-Start Metal Halide 320 Watt	F – Flat Clear Tempered Glass		
		150	SMH – Super Metal Halide 175, 250 Watt			
		175	SMHR – Super Metal Halide Reduced Envelope 400 Watt			
		250	MH - Metal Halide 175, 250 Watt			
		320	MHR – Metal Halide Reduced Envelope 400 Watt			
400	HPS – High Pressure Sodium 100, 150, 250, 400 Watt					



EXAMPLE OF A TYPICAL ORDER

Options
PCR - Photoelectric Control Receptacle ⁵
QCP - Quick Connect Package ⁶
TE - Tool-less Entry
GR - Ground Relamp (includes Tool-less Entry) ⁷
TB - Terminal Block
LL - Less Lamp

FOOTNOTES:

- 1- Use to match vertical appearance.
- 2- For international voltages, consult factory.
- 3- MT – Multi Tap is shipped standard unless otherwise specified. Multi Tap consists of 120V, 208V, 240V, and 277V. Multi Tap is pre-wired for highest voltage. Alternate voltages will require field re-wiring.
- 4- Tri-Tap is shipped standard for Canadian applications. Tri-Tap consists of 120V, 277V, and 347V. Tri-Tap is pre-wired for highest voltage. Alternate voltages will require field re-wiring.
- 5- PCR factory installed and prewired to highest voltage. Alternate voltages will require field re-wiring.
- 6- Quick connect package includes removable ballast tray, modular plugs and sealing grommet.
- 7- Ground relamping option available on CH2VM only. Maximum tool length 15 ft. See Accessories for Ground Lamp Changer.

ACCESSORY ORDERING INFORMATION (Accessories are field installed)

Description	Order Number	Description	Order Number
PC120 – Photocell	122514	DFK480 - Double Fusing	DFK480
PC208-277 – Photocell for 208V, 240V or 277V	122515	FK347 - Single Fusing	FK347
PC347 – Photocell	159516	CH2VM FP HSS – External House Side Shield	290383BLK ⁺
PC480 – Photocell	1225180	RPP2 – Round Pole Plate	162914CLR
FK120 - Single Fusing	FK120	BKS-BO-WM-* -CLR Wall Mount Plate	123111CLR
FK277 - Single Fusing	FK277	Ground Lamp Changer	132678A ⁺⁺
DFK208, 240 - Double Fusing	DFK208, 240		

⁺ Black Only
⁺⁺For use with 250, 320, & 400 Watt Reduced Envelope



Project Name _____ Fixture Type _____
Catalog # _____