



PHMH601013

**Phantom Dual 315W CMH System
w/3100K Philips Lamps, 120 - 240V**

The Phantom Dual CMH System is a highly versatile system that allows you to run a single 315W lamp or both at the same time for 630W of high-PAR CMH light. The dual reflectors can be used in the standard position or rotated 90 degrees downward to give a low-profile hanging configuration that is ideal for tight spaces.

Phantom Dual 315W CMH w/3100K Lamps, 120-240V

Model	PHMH601013
Lamp	Philips 3100K
Lamp Output	1196 µmol/s
Lamp Lifetime	20,000 hours
Reflector	Enclosed SE CMH
Reflector Material	EU Aluminium 99.85% pure, 95% reflectivity
Ballast	Phantom Dual 315W CMH
Ballast Housing Material	Aluminum
Armature Material	Aluminum
Socket	PGZX18
Fixture Weight	15.2 lbs

**Phantom Dual 315W CMH Ballast
Electrical Specifications**

Model	PHMH601013
Lamp Power	315W (x2)
Main Voltage	120-240V
Operating Voltage Range	110-265V
Max Input Power	764W
Output Power Settings	60-85-100-105%
Power Factor	> 0.97
Frequency	50/60Hz
Igniter Voltage	3-5 kV
THD	< 8%
CF	1.414-1.6
ta	40°C/104°F
tc	80°C/176°F

Phantom Dual 315W CMH Input Amperage Reference

Voltage	120V	208V	240V
I _{max}	6.6A	3.8A	3.3A
105%	6.2A	3.6A	3.1A
100%	5.8A	3.3A	2.9A
85%	5.0A	2.9A	2.5A
60%	3.4A	2.0A	1.7A

Phantom Dual 315W CMH Ballast Features

Microprocessor Control	Yes
LED Status Indicator	Yes
Open Circuit Protection	Yes
Open Circuit Indicator	Yes
Short Circuit Protection	Yes
Short Circuit Indicator	Yes
Overtemperature Protection	Yes
Overtemperature Indicator	Yes
End-of-Lamp-Life Sensor	Yes
End-of-Lamp-Life Indicator	Yes
Over/Undervoltage Protection	Yes
Over/Undervoltage Indicator	Yes
Patented Ignition Control	Yes
USB Port to Integrate with Climate Controls	Yes
Auto-restrike Protection	Yes
Internal EMI Suppression	Yes
8' 120V 16/3 IEC Power Cord	Yes

**Phantom Dual 315W CMH
Safety Certifications**

ETL	Yes
FCC Commercial	Yes
FCC Residential	Yes
UL	No
IC	No

Phantom Dual 315W CMH Operation Notes

For use with a generator, line conditioning equipment to control input voltage must be used in order to avoid damage to the ballasts. Contact us for more information.

** Compatible with Autopilot PX Series Digital lighting Controllers running version 1.63 software or later only. (sold separately)*



WAREHOUSE-LIGHTING.COM

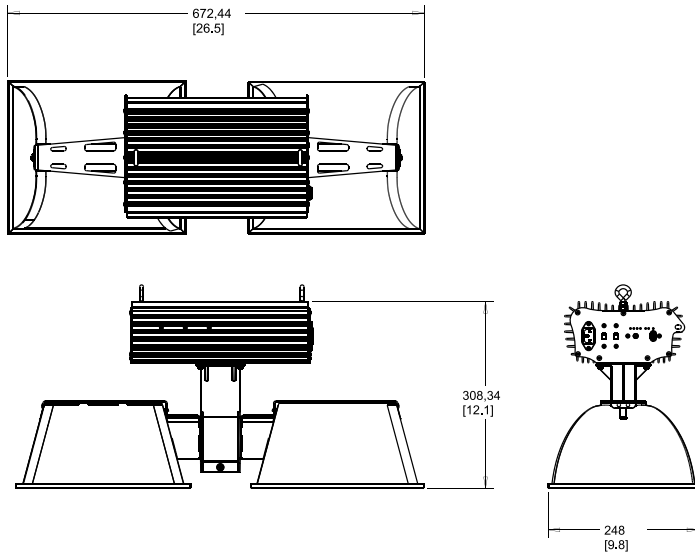
Warehouse-Lighting.com
2750 South 163rd St
New Berlin, WI 53151



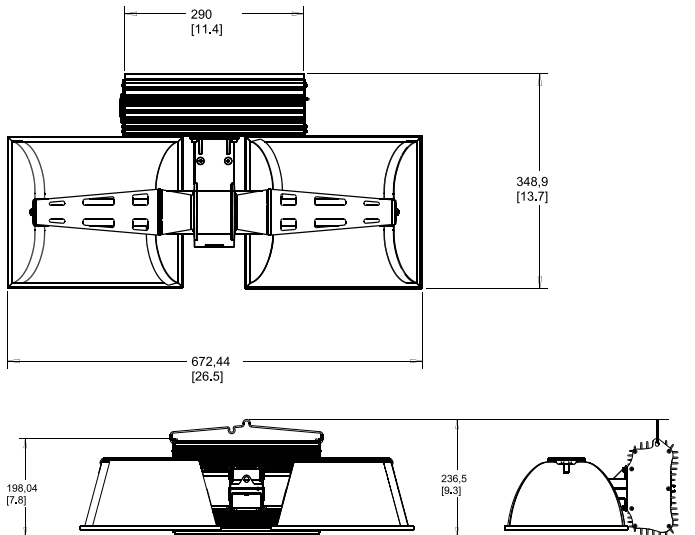
Warehouse-Lighting.com
Phone: 888-454-4480
info@warehouse-lighting.com

Phantom Dual 315W CMH System

Traditional Ballast Orientation Dimensions



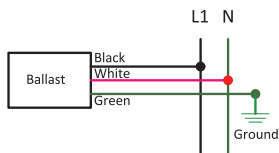
Low Profile Ballast Orientation Dimensions



Each ballast **MUST** be wired to the main's neutral line back to the circuit.
DO NOT "daisy-chain" a neutral line with any other ballast.

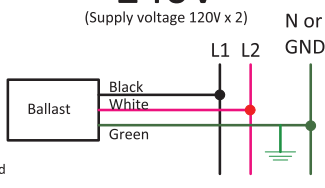
120/208V

(Supply voltage 120V/208V)



240V

(Supply voltage 120V x 2)



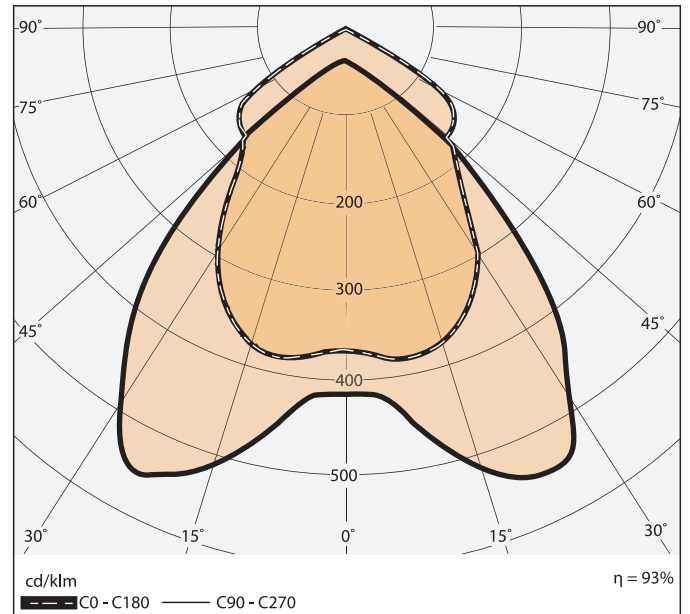
**⚠ WARNING: FAILURE TO FOLLOW GUIDELINES
COULD RESULT IN ELECTRICAL SHOCK.**

Do not touch, move, spray, or clean your light fixture when it is plugged in. Allow it to cool down before handling. Recommended mounting clearance for your fixture is 8"-12" on all sides. Do not mount directly to any surface. Make sure to disconnect the power when changing the lamp. This tech sheet is not in any way a replacement for a technical installation manual. Consult technical installation manual prior to installation.

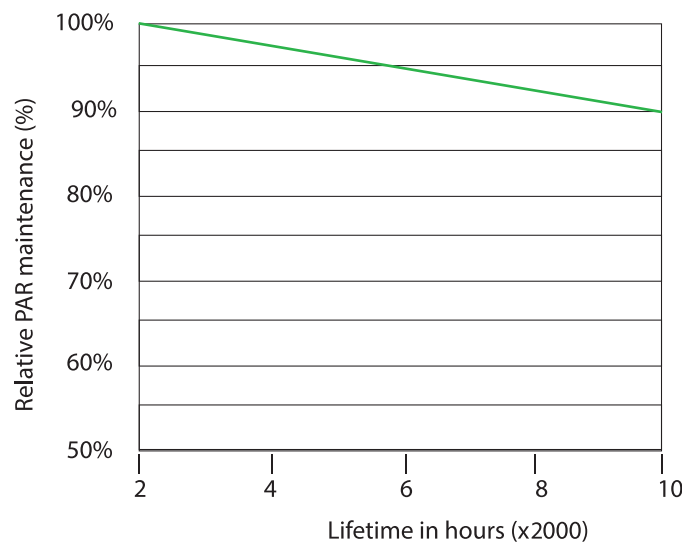
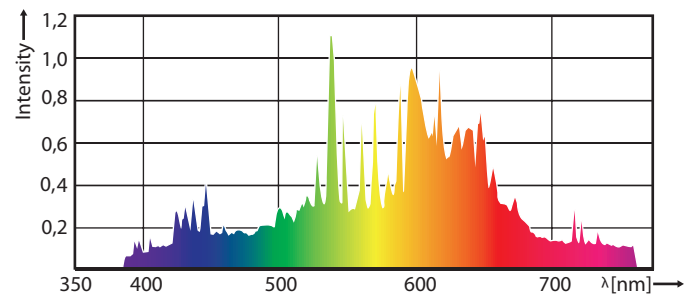
All rights reserved.

Specifications are subject to change without notice.
Trademarks are the property of Hydrofarm.

Candela Distribution



Philips 3100K CMH Lamp



WAREHOUSE-LIGHTING.COM

Warehouse-Lighting.com
2750 South 163rd St
New Berlin, WI 53151

Warehouse-Lighting.com
Phone: 888-454-4480
info@warehouse-lighting.com



PHMH601014

**Phantom Dual 315W CMH System
w/4200K Philips Lamps, 120 - 240V**

The Phantom Dual CMH System is a highly versatile system that allows you to run a single 315W lamp or both at the same time for 630W of high-PAR CMH light. The dual reflectors can be used in the standard position or rotated 90 degrees downward to give a low-profile hanging configuration that is ideal for tight spaces.

Phantom Dual 315W CMH w/4200K Lamps, 120-240V

Model	PHMH601014
Lamp	Philips 4200K
Lamp Output	1124 µmol/s
Lamp Lifetime	20,000 hours
Reflector	Enclosed SE CMH
Reflector Material	EU Aluminium 99.85% pure, 95% reflectivity
Ballast	Phantom Dual 315W CMH
Ballast Housing Material	Aluminum
Armature Material	Aluminum
Socket	PGZX18
Fixture Weight	15.2 lbs

Phantom Dual 315W CMH Ballast Electrical Specifications

Model	PHMH601014
Lamp Power	315W (x2)
Main Voltage	120-240V
Operating Voltage Range	110-265V
Max Input Power	764W
Output Power Settings	60-85-100-105%
Power Factor	> 0.97
Frequency	50/60Hz
Igniter Voltage	3-5 kV
THD	< 8%
CF	1.414-1.6
ta	40°C/104°F
tc	80°C/176°F

Phantom Dual 315W CMH Input Amperage Reference

Voltage	120V	208V	240V
I _{max}	6.6A	3.8A	3.3A
105%	6.2A	3.6A	3.1A
100%	5.8A	3.3A	2.9A
85%	5.0A	2.9A	2.5A
60%	3.4A	2.0A	1.7A

Phantom Dual 315W CMH Ballast Features

Microprocessor Control	Yes
LED Status Indicator	Yes
Open Circuit Protection	Yes
Open Circuit Indicator	Yes
Short Circuit Protection	Yes
Short Circuit Indicator	Yes
Overtemperature Protection	Yes
Overtemperature Indicator	Yes
End-of-Lamp-Life Sensor	Yes
End-of-Lamp-Life Indicator	Yes
Over/Undervoltage Protection	Yes
Over/Undervoltage Indicator	Yes
Patented Ignition Control	Yes
USB Port to Integrate with Climate Controls	Yes
Auto-restrike Protection	Yes
Internal EMI Suppression	Yes
8' 120V 16/3 IEC Power Cord	Yes

Phantom Dual 315W Safety Certifications

ETL	Yes
FCC Commercial	Yes
FCC Residential	Yes
UL	No
IC	No

Phantom Dual 315W Operation Notes

For use with a generator, line conditioning equipment to control input voltage must be used in order to avoid damage to the ballasts. Contact us for more information.

** Compatible with Autopilot PX Series Digital lighting Controllers running version 1.63 software or later only. (sold separately)*



WAREHOUSE-LIGHTING.COM

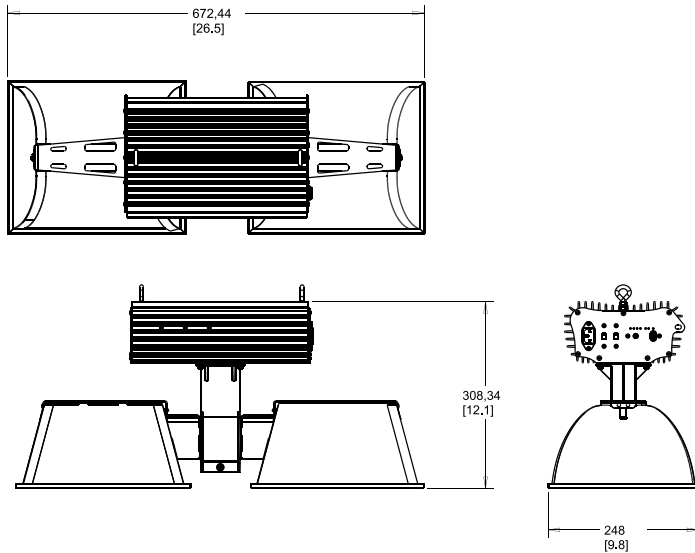
Warehouse-Lighting.com
2750 South 163rd St
New Berlin, WI 53151



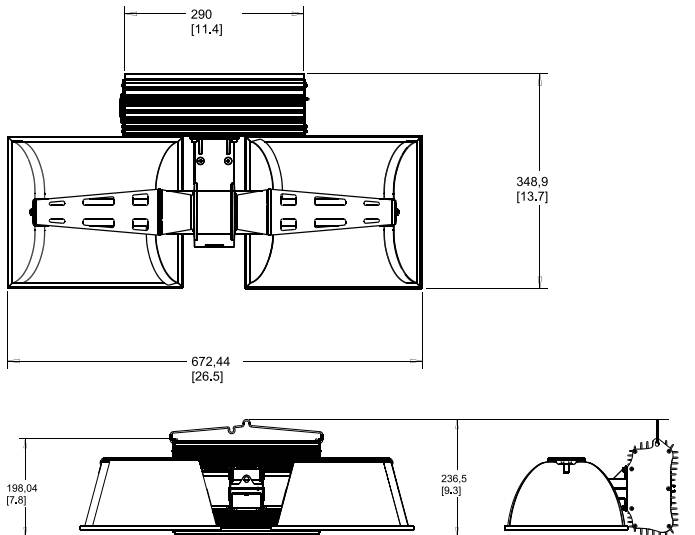
Warehouse-Lighting.com
Phone: 888-454-4480
info@warehouse-lighting.com

Phantom Dual 315W CMH System

Traditional Ballast Orientation Dimensions



Low Profile Ballast Orientation Dimensions



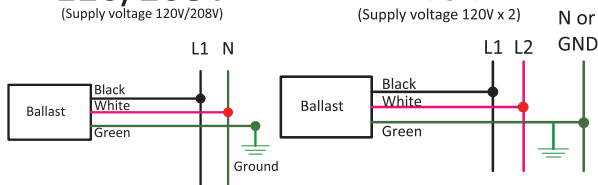
Each ballast **MUST** be wired to the main's neutral line back to the circuit.
DO NOT "daisy-chain" a neutral line with any other ballast.

120/208V

(Supply voltage 120V/208V)

240V

(Supply voltage 120V x 2)



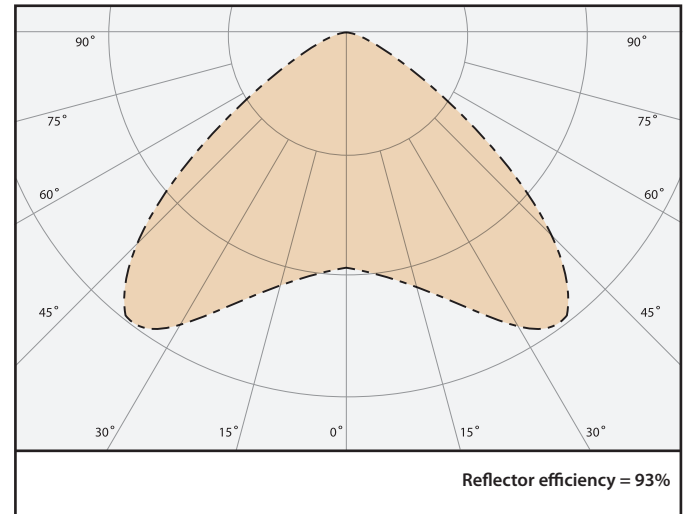
**⚠ WARNING: FAILURE TO FOLLOW GUIDELINES
COULD RESULT IN ELECTRICAL SHOCK.**

Do not touch, move, spray, or clean your light fixture when it is plugged in. Allow it to cool down before handling. Recommended mounting clearance for your fixture is 8"-12" on all sides. Do not mount directly to any surface. Make sure to disconnect the power when changing the lamp. This tech sheet is not in any way a replacement for a technical installation manual. Consult technical installation manual prior to installation.

All rights reserved.

Specifications are subject to change without notice.
Trademarks are the property of Hydrofarm.

Polar Diagram



Phillips 4200K CHM Lamp

