



Horticulture
Lighting Group®

REAL EFFICIENCY · REAL YIELDS

PRODUCT CATALOG 2023

DESIGNED FOR COMMERCIAL
&
HOME CULTIVATORS



HLG.com

COMMERCIAL INDOOR HORTICULTURE LIGHTING

MAXIMIZE YOUR GROW ROOM YIELDS, FLOWER QUALITY, AND PROFIT MARGINS WITH HLG HIGH EFFICIENCY LAMPS USING HLG'S COMMERCIAL HORTICULTURE LIGHTING!

SCORPION® Diablo X

WITH Integrated

REFLECTORS



Delivers up to 20% More Photons to the Canopy

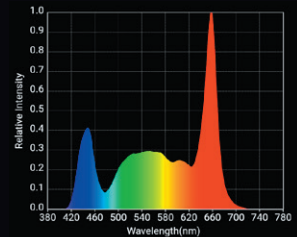
Over 2100 PPF output

Photon efficacy 3.06 $\mu\text{mol}/\text{J}$

Full Spectrum White with Deep Red

SPECIFICATIONS:

LED	Full Spectrum White & Deep Red
PPF	2145
Efficacy	3.06 $\mu\text{mol}/\text{joule}$
Voltage Range	120VAC - 277VAC 50-60Hz
Power	0-715 Watts
Flowering Footprint	5' x 5' Flower; 6' x 6' Veg
Recommended mounting height above canopy	15" - 24" Flower; 30 - 36" Veg
Dimmable Options	0-10V Dimmable, RJ11 Straight, Wireless
Dimensions	38.75" x 36.125" x 3.25"
Weight	24.15 lbs
Warranty	5 Years*
Certifications	UL 8800, CSA, DLC



*5 year Warranty covers entire luminaire including LED board, Drivers and other electrical components. Specifications based on performance at 220V.



Official HLG Partner
This product uses Samsung LEDs

SCORPION[®] Diablo[™] X

IDEAL FOR
FULL & FLOWER CYCLES
OPTIMIZED FOR VERTICAL RACK GROWS

The new HLG Scorpion[®] Diablo[™] X commercial lamps are designed for growers who want to maximize crop yields with a grow light that offers both high intensity and high efficiency. This lamp uses 6 Diablo X Quantum Boards[®] for an even light spread making it perfect for tents, flood tables, rolling benches and vertical racks.

Integrated reflectors improve photon delivery resulting in better quality yields even at the lower levels of the canopy. This lamp produces over 2100 PPF output with photon efficacy of 3.06 $\mu\text{mol}/\text{joule}$.



Intertek

UL 8800

Certified to CSA Std C22.2#250.0



Listed on the DLC OPL



SCORPION® Diablo™

WITH Integrated

REFLECTORS

Delivers up to 20% More Photons to the Canopy

SPECIFICATIONS:

LED	Full Spectrum White & Deep Red
PPF	2121
Efficacy	3 $\mu\text{mol}/\text{joule}$
Voltage Range	120VAC - 277VAC 50-60Hz
Power	0-715 Watts
Flowering Footprint	5' x 5' Flower; 6' x 6' Veg
Recommended mounting height above canopy	15" - 24" Flower; 30 - 36" Veg
Dimmable Options	0-10V Dimmable, RJ11 Straight, Wireless
Dimensions	38.75" x 36.125" x 3.25"
Weight	24.15 lbs
Warranty	5 Years*
Certifications	UL 8800, CSA, DLC

*5 year Warranty covers entire luminaire including LED board, Drivers and other electrical components. Specifications based on performance at 220V.



COMMERCIAL INDOOR HORTICULTURE LIGHTING

IDEAL FOR
FULL & FLOWER CYCLES
OPTIMIZED FOR VERTICAL RACK GROWS

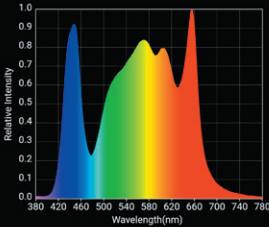
HLG Scorpion® Diablo™ commercial lamps are designed for growers who want to maximize crop yields with a grow light that offers both high intensity and high efficiency. This lamp uses 6 advanced design Diablo Quantum Boards® for an even light spread making it perfect for tents, flood tables, rolling benches and vertical racks.

Integrated reflectors improve photon delivery resulting in higher quality yields even at the lower levels of canopy. This lamp produces over 2100 PPF output with photon efficacy of 3 $\mu\text{mol}/\text{joule}$.



SCORPION *Diablo*

System PPF Efficacy: 3 $\mu\text{mol}/\text{joule}$
Total output: Greater than 2100 PPF



Official HLG Partner
This product uses Samsung LEDs

COMMERCIAL INDOOR HORTICULTURE LIGHTING

HLG 750 Diablo™

WITH Integrated

REFLECTORS

IDEAL FOR
FULL & FLOWER CYCLES

Delivers up to 20% More Photons to the Canopy

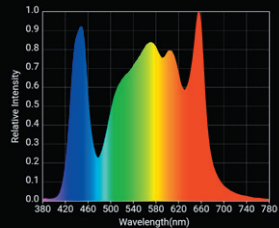


HLG 750 Diablo commercial lamps are designed for growers who want to maximize crop yields with a grow light that offers both high intensity and high efficiency. This lamp uses 4 Advanced Design Diablo Quantum Boards® for an even light spread making it perfect for grow tents, flood tables and rolling benches.

Integrated reflectors improve photon delivery resulting in even coverage and higher yields even at lower levels of the canopy. This lamp produces over 2000 PPF output with photon efficacy of 2.88 $\mu\text{mol}/\text{joule}$.

SPECIFICATIONS:

LED	Full Spectrum White & Deep Red
PPF	2056
Efficacy	2.88 $\mu\text{mol}/\text{joule}$
Voltage Range	120VAC - 277VAC 50-60Hz
Power	0-715 Watts
Flowering Footprint	5' x 5' Flower; 6' x 6' Veg
Recommended mounting height above canopy	15" - 24" Flower; 36" Veg
Dimmable Options	0-10V Dimmable, RJ11 Straight, Wireless
Dimensions	37.5" x 27.125" x 3.75"
Weight	20.25 lbs
Warranty	5 Years*
Certifications	UL 8800, CSA, DLC



Listed on the DLC OPL



*5 year Warranty covers entire luminaire including LED board, Drivers and other electrical components. Specifications based on performance at 220V.

Official HLG Partner
This product uses Samsung LEDs

COMMERCIAL INDOOR HORTICULTURE LIGHTING

HLG 350 Diablo™

WITH Integrated

REFLECTORS

IDEAL FOR
FULL & FLOWER CYCLES

Increased Photon Delivery to the Canopy

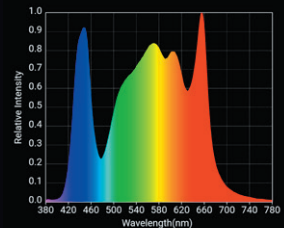


35" wide design for even light coverage

The HLG 350 Diablo commercial lamps are designed to replace a 600 watt HID with just 330 Watts. Each HLG 350 Diablo uses 2 of our custom designed Advanced Design Diablo Quantum Boards® with Samsung Full Spectrum White & Deep Red LEDs. With its rectangular footprint and integrated reflectors, this fixture is ideal for flowering in smaller grow spaces or vegging in a commercial grow. Integrated reflectors improve photon delivery resulting in higher quality yields even at the lower levels of the canopy.

SPECIFICATIONS:

LED	Full Spectrum White & Deep Red
PPF	950+
Efficacy	2.80 $\mu\text{mol}/\text{joule}$
Voltage Range	120VAC - 277VAC 50-60Hz
Power	0-330 Watts
Flowering Footprint	3' x 5' Flower; up to 5' x 5' Veg
Recommended mounting height above canopy	15" Flower; 24" Veg
Dimmable Options	0-10V Dimmable, RJ11 Straight, Wireless
Dimensions	35" x 9.5" x 3.25"
Weight	10 lbs
Warranty	5 Years*
Certifications	UL 8800, CSA, DLC



Listed on the DLC QPL



*5 year Warranty covers entire luminaire including LED board, Drivers and other electrical components. Specifications based on performance at 220V.

Official HLG Partner
This product uses Samsung LEDs

COMMERCIAL INDOOR HORTICULTURE LIGHTING

HLG 250 VEG PRO

WITH Integrated

REFLECTORS

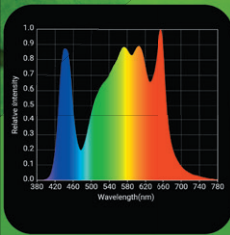
Increased Photon Delivery to the Canopy

OPTIMIZED VEG SPECTRUM
EFFICACY 2.7 $\mu\text{mol}/\text{joule}$



35" wide design for even light coverage

The HLG 250 VEG PRO lamp is designed for commercial veg rooms. HLG's integrated reflectors allow increased photon delivery to the canopy accompanied by a low profile rectangular design resulting in an improved light spread at just 12" from the canopy. This is ideal for vertical racks by maximizing available height for plant growth. This LED lamp with full spectrum white and deep red provides the best plant growth for an exceptional harvest. The HLG 250 Veg Pro uses two OB288 Quantum Boards®



LED	Full Spectrum White & Deep Red
PPF	600
Efficacy	2.7 $\mu\text{mol}/\text{joule}$
Voltage Range	120VAC - 277VAC 50-60Hz
Power	0-250 Watts
Veg Footprint	3' x 5'
Recommended mounting height above canopy	18"
Dimmable Options	0-10V Dimmable, RJ11 Straight, Wireless
Dimensions	35" x 9.5" x 3.25"
Weight	10 lbs
Warranty	5 Years
Certifications	UL 8800, CSA, DLC



Listed on the DLC OPL

Specifications based on performance at 220V.

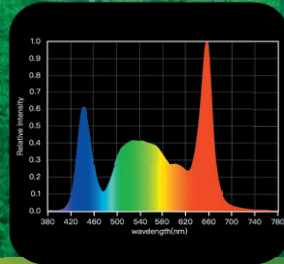
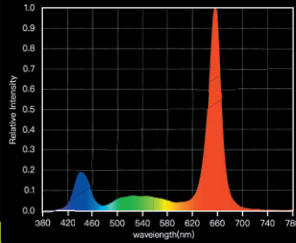


COMMERCIAL INDOOR HORTICULTURE LIGHTING

GH GREENHOUSE PRO SERIES

HLG Greenhouse PRO HE

Power	0-630 Watts
Efficiency	3.62 $\mu\text{mol}/\text{Joule}$
Output	2275 PPF
AC Input Voltage	120-277 VAC, 277-480 VAC
Dimming	Full Range 0% to 100%
Dimensions	59" x 6.75" x 4.75"
Warranty	5 Years



*Ask us if your commercial greenhouse is eligible for LED rebates

Maximize Greenhouse Growth with the NEW HLG Greenhouse PRO Series

- High efficacy Greenhouse Lamps
- Slim Linear Design to minimize shadow on plants
- Integrated reflectors maximize photon delivery to the canopy
- Easy Installation
- Replaces: 1:1 HPS
- Controller Compatible

HLG Greenhouse PRO FS

Power	0-600 Watts
Efficiency	2.85 $\mu\text{mol}/\text{Joule}$
Output	1733 PPF
AC Input Voltage	120-277 VAC, 277-480 VAC
Dimming	Full Range 0% to 100%
Dimensions	59" x 6.75" x 4.75"
Warranty	5 Years



Official HLG Partner
This product uses Samsung LEDs



Listed on the DLC QPL



INDOOR HORTICULTURE LIGHTING

SCORPION® R SPEC. FR

IDEAL FOR
FULL & FLOWER CYCLES



WITH Integrated

REFLECTORS

Increased Photon Delivery to the Canopy

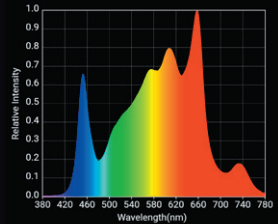
HLG Scorpion Rspec FR is designed for home and commercial growers looking for a cost-effective lamp with high performance. The dimmable design makes it ideal for a 5'x5' coverage in grow tents, flood tables and rolling benches. This lamp is powered by six QB272 Quantum Boards® and includes 660nm deep red along with the 730nm far-red spectrum.

Integrated reflectors improve photon delivery resulting in better quality yields even at lower levels of the canopy. This lamp produces over 1837 PPF output with photon efficacy of 2.62 $\mu\text{mol}/\text{joule}$.

SPECIFICATIONS:

LED	Full Spectrum White, Deep Red and Far Red
PPF	1837
Efficacy	2.62 $\mu\text{mol}/\text{joule}$
Voltage Range	120VAC - 277VAC 50-60Hz
Power	0-700 Watts
Flowering Footprint	5' x 5' Full and Flower Cycles
Recommended mounting height above canopy	18" Flower; 24" Veg
Dimmable Options	0-10V Dimmable, RJ11 Straight, Wireless
Dimensions	38.75" x 36.125" x 3.25"
Weight	24.15lbs
Warranty	3 Years
Certifications	UL 8800, CSA

Specifications based on performance at 220V.



FR

BENEFITS OF FAR-RED

Increases plant biomass
Promotes lateral root growth
Improves efficiency of overall spectrum

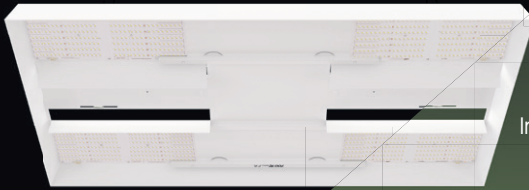
INDOOR HORTICULTURE LIGHTING

HLG 700 R^{SPEC} FR

IDEAL FOR FULL & FLOWER CYCLES

HLG 700 Rspec FR is designed for home and commercial growers looking for cost-effective lamp with high performance. Dimmable design makes it ideal for a 4x4 or 5x5 coverage in grow tents, flood tables and rolling benches. This lamp is powered by four QB272 Quantum Boards® and includes 660nm deep red along with the 730nm far-red spectrum.

Integrated reflectors improve photon delivery resulting in better quality yields even at lower levels of canopy. This lamp produces over 1585 PPF output with photon efficacy of 2.5 $\mu\text{mol}/\text{joule}$.



WITH Integrated

REFLECTORS

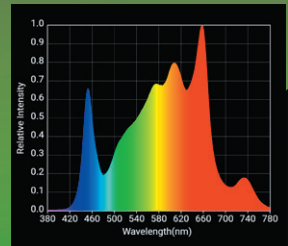
Increased Photon Delivery to the Canopy



SPECIFICATIONS:

LED	Full Spectrum White, Deep Red and Far Red
PPF	1585
Efficacy	2.50 $\mu\text{mol}/\text{joule}$
Voltage Range	120VAC - 277VAC 50-60Hz
Power	0-633 Watts
Flowering Footprint	5' x 5' Full and Flower Cycles
Recommended mounting height above canopy	18" Flower; 24" Veg
Dimmable Options	0-10V Dimmable, RJ11 Straight, Wireless
Dimensions	37.5" x 27.125" x 3.75"
Weight	20.25 lbs
Waranty	3 Years
Certifications	UL 8800, CSA

Specifications based on performance at 220V.



FR

BENEFITS OF FAR-RED

Increases plant biomass
Promotes lateral root growth
Improves efficiency of overall spectrum

INDOOR HORTICULTURE LIGHTING

HLG 320 *R* SPEC[®] FR

IDEAL FOR
FULL & FLOWER CYCLES



WITH Integrated

REFLECTORS

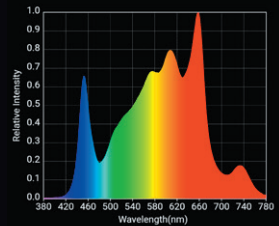
Increased Photon Delivery to the Canopy

HLG 320 Rspec FR is a lamp designed for horticulture use in indoor spaces. The dimmable design with integrated reflectors improves photon delivery to the canopy, resulting in better quality yields even at lower levels of canopy, and is ideal for 2' x 4' or 3' x 5' coverage in a grow tent.

This lamp is powered by two QB272 Quantum Boards[®] and includes 660nm deep red along with the 730nm far-red spectrum. This lamp produces over 746 PPF output with photon efficacy of 2.47 $\mu\text{mol}/\text{joule}$.

LED	Full Spectrum White, Deep Red and Far Red
PPF	746
Efficacy	2.47 $\mu\text{mol}/\text{joule}$
Voltage Range	120VAC - 277VAC 50-60Hz
Power	0-320 Watts
Flowering Footprint	5' x 5' Full and Flower Cycles
Recommended mounting height above canopy	18" Flower; 24" Veg
Dimmable Options	0-10V Dimmable, RJ11 Straight, Wireless
Dimensions	35" x 9.5" x 3.25"
Weight	10 lbs
Warranty	3 Years

Specifications based on performance at 220V.



FR

BENEFITS OF FAR-RED

Increases plant biomass
Promotes lateral root growth
Improves efficiency of overall spectrum

INDOOR HORTICULTURE LIGHTING

BLACKBIRD

IDEAL FOR
FULL & FLOWER CYCLES



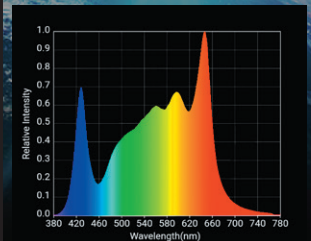
HLG BLACKBIRD is designed for indoor home grows. This lamp with smaller overall dimensions is perfect for grow tents. The BLACKBIRD, uses 6 Full Spectrum QB200 Quantum Boards® for an even light spread at just 20" from the canopy.

HLG BLACKBIRD TOP FEATURES

- Suitable for grow tents
- High efficiency full spectrum grow lamp
- Reliable passive-cooled design
- Better canopy light penetration with diffused light
- Auto sensing power supply works on 120VAC, 240VAC, and 277VAC
- 3 Year Warranty

SPECIFICATIONS:

LED	Full Spectrum White & Deep Red
PPF	1567
Efficacy	2.79 $\mu\text{mol}/\text{joule}$
Voltage Range	120VAC - 277VAC 50-60Hz
Power	0-600 Watts
Flowering Footprint	4' x 4' Flower; up to 6' x 6' Veg
Recommended mounting height above canopy	20" - 24" Flower; 30" Veg
Dimmable Options	0-10V Dimmable, RJ11 Straight, Wireless
Dimensions	26" x 26.75" x 2.75"
Weight	17.45 lbs
Warranty	3 Years



SAMSUNG
LED

illuminated

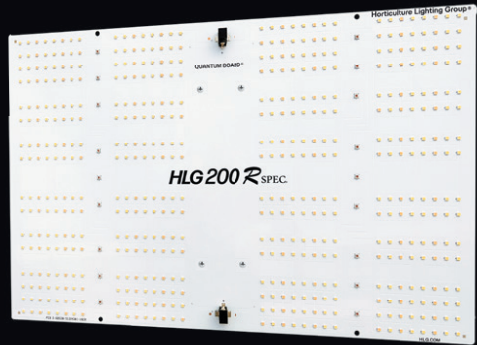
Official HLG Partner
This product uses Samsung LEDs

INDOOR HORTICULTURE LIGHTING

HLG 200 R SPEC[®]

IDEAL FOR
VEG & BLOOM

DIMMABLE DESIGN!

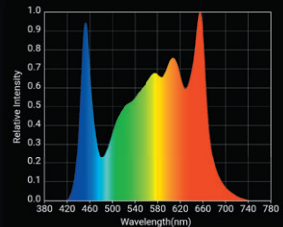


The HLG 200 Rspec LED lamp is designed for home growers with small spaces. This dimmable design allows for dialing in a desired intensity for your plants, and is powered with our Quantum Boards[®] using the latest Samsung's plant-centric white and 18 Deep Red LED's. The HLG 200 Rspec will dim to off and is controller compatible.

*The DC connector must be plugged into the barrel power jack/connector for lamp to receive power.

SPECIFICATIONS:

LED	Full Spectrum White& Deep Red
PPF	495
Efficacy	2.52 $\mu\text{mol}/\text{joule}$
Voltage Range	120VAC - 277VAC 50-60Hz
Power	0-196 Watts
Flowering Footprint	2' x 2' Flower; 3' x 3' Veg
Recommended mounting height above canopy	16" - 20" Flower; 24" - 30" Veg
Dimmable Options	0-10V Dimmable
Dimensions	20" x 13" x 1.75"
Weight	5 lbs
Warranty	3 Years



Official HLG Partner
This product uses Samsung LEDs

INDOOR HORTICULTURE LIGHTING

HLG 100 R[®] SPEC.

IDEAL FOR
FULL & FLOWER CYCLES

NEW DIMMABLE DESIGN!

100 RSPEC TOP FEATURES

- High efficiency Samsung LM301H LED
- White light full spectrum for better results
- Reliable passive cooled design
- Dimmer included
- Better canopy light penetration with diffused light
- Mean Well power supply included with NEMA 1-15P plug



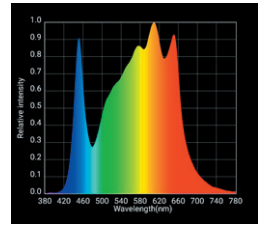
Hanging Hardware Included

Please Note: Extension cords are not recommended as use may cause damage and can break the connector on board. The driver may be mounted on the top of the plate.
Partial Assembly Required

The HLG 100 Rspec[®] uses high efficiency white light Quantum Boards[®] made by Samsung using the latest LM301H full spectrum LED and LM351H Deep Red LEDs to help with flowering. This fixture produces 220 PPF, 14,000+ Lumens with just 95 Watts of power. Equivalent to 220W T5 or 300W CFL output or 200W metal halide

SPECIFICATIONS:

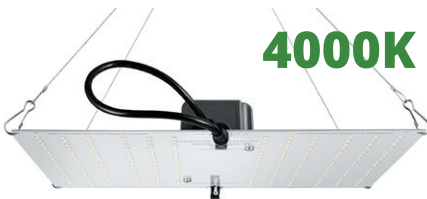
LED	176 Samsung LM301H LED's & 4 LH351H V2 Deep Red 660nm
PPF	220
Efficacy	2.41 μmol/joule
Voltage Range	90VAC - 264VAC 50-60Hz
Power	95 Watts
Flowering Footprint	2' x 2' at 12" - 18"
Veg Footprint	3' x 3' at 18" - 24"
Dimmable	Yes
Dimensions	12.75" x 11" x 2.5"
Weight	3 lb
Warranty	3 Years



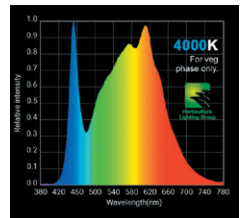
Official HLG Partner
This product uses Samsung LEDs

IDEAL FOR
VEG CYCLES ONLY

HLG 100 V2



LED	192 Samsung LM301H LEDs
PPF	224.51
Efficacy	2.41 μmol/joule
Voltage Range	90VAC - 264VAC 50-60Hz
Power	95 Watts
Flowering Footprint	2' x 2' at 12" - 18"
Veg Footprint	3' x 3' at 18" - 24"
Dimmable	Yes



INDOOR HORTICULTURE LIGHTING

IDEAL FOR
VEG, FLOWER, CLONES &
SUPPLEMENTAL LIGHTING IN SMALL SPACES

HLG 65 4000K

The HLG 65 lamp is designed for vegging, clones, supplement lighting or smaller plants. This lamp uses our custom designed High Efficiency White light Quantum Board®. With a total of 120 Samsung LM301H LEDs, this fixture produces 10,000 Lumens with just 65 Watts of power. Equivalent to 150W T5, 200W CFL or 150W metal halide output.

Note: The driver may be mounted on the top of the plate
Unit will not Daisy Chain
Partial Assembly Required

NEW DIMMABLE DESIGN!



Hanging Hardware Included

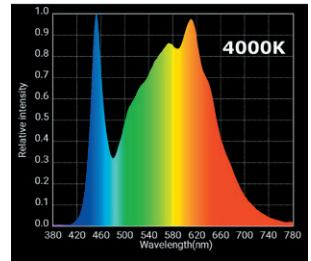


HLG 65 TOP FEATURES

- High efficiency QB120 Quantum Board®
- White light full spectrum 4000K
- Better canopy light penetration with diffused light
- Dimmable Mean Well power supply included with NEMA 1-15P plug
- Dimmer included

SPECIFICATIONS:

LED	120 Samsung LM301H LEDs
PPF	152
Efficacy	2.35 $\mu\text{mol}/\text{joule}$
Voltage Range	90VAC - 264VAC 50-60Hz
Power	0-65 Watts
Veg Footprint	2' X 2'
Recommended mounting height above canopy	12" - 18"
Dimmable	Yes
Dimensions	11" x 9.5" x 2"
Weight	1.75 lbs
Warranty	3 Years



Official HLG Partner
This product uses Samsung LEDs

CONTROLLER COMPATIBILITY

Controllers allow for an efficient means to control multiple individual lamps from a single, more accessible location within the room, and will also give the ability to dim all the units simultaneously.

Some controllers may have the ability to check ambient temperatures and display those as well. HLG recommends researching to find the unit that best provides the options you will need for your grow space.

The following wired and wireless controllers are compatible with **Scorpion Series, 750 Diablo, 700 Rspec FR, HLG 350 Diablo, HLG 250 Veg Pro, BlackBird, and other select lamps.**

GrowFlux digital plug & play lighting wireless controller. Enable digital zoning, and control up to 200 lights per access point. Contact HLG for special order requests for shipping with module installed on select lamps. Access Point required and sold separately.

Trolmaster wired controller with a LMA 14 adapter, Hydro-X HCS-1 with LMA-14 Adapter, or a HCS-2 with LMA-14 Adapter.

Autopilot PX2 digital lighting wired controller. 2 Channels. Up to 50 lamps per channel.

Rollie Systems wired controller. The dimmer has to be wired to Dim+/Dim- of on the driver of up to 50 lamps.

Note:

Order with "RJ 0-10V option for use with Trolmaster and Autopilot. Contact HLG customer support or check our FAQ section on our website to learn more about wiring your controller.



DAISY CHAIN COMPATIBILITY

Our HLG commercial lamps have the daisy chain feature that greatly reduces the amount of outlets needed in a grow room, thereby reducing wiring and electrical installation costs.

For more information please contact HLG to discuss this option for your facility.



HLG IN THE KNOW

Be sure to head on over to Horticulture Lighting Group YouTube channel to watch THE HLG SHOW featuring @growmau5, Stephen Johnson and a variety of expert special guests.

Episodes premiering bi-weekly
with real discussions about lights, plants and
everything in between!



THE HLG SHOW
THE HLG SHOW

HOSTED BY:
GROWMAU5
STEPHEN JOHNSON

A promotional image for 'THE HLG SHOW'. It features two men, Growmau5 and Stephen Johnson, sitting at a table with microphones, appearing to be in a recording studio. The background is dark with blue and red lighting accents. The title 'THE HLG SHOW' is prominently displayed at the top in large, bold, white letters with a black outline. Below the title, the hosts' names are listed in a similar style.

SCAN HERE



www.linktree.com/hlg_led

ABOUT HLG

Horticulture Lighting Group is a premiere high-end LED grow light manufacturer for both commercial and home horticulture. Originators of the Quantum Board® and Samsung's official LED partner, HLG sets the industry standard for quality and efficiency.

HLG's proven combination of expertise and experience, as well as dedication to the industry as a whole, has resulted in the first high-density modular light engine for horticulture use. Using the Quantum Board® technology, cultivators are able to eliminate the need for HPS lamps, thereby lowering electricity consumption up to 60% while increasing yields and quality.

Horticulture Lighting Group is constantly researching and developing new ideas to break the mold of traditional LEDs and pave the way for the future of horticulture lighting.





Horticulture
Lighting Group®

GROWERS that KNOW...
have **HLG**® in THEIR GROW.

Engineered for Commercial Grows

THE FUTURE OF HORTICULTURE LIGHTING

Horticulture Lighting Group has been pushing the boundaries of LED lighting since 2016. Originators of the Quantum Board, HLG manufactures one of the most efficient full spectrum lights on the market. With a focus on quality, each light has been developed to break the mold of traditional LEDs and pave the way for the future of horticulture lighting.



SCAN HERE



www.linktr.ee/hlg_led



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sales@hlg.com
contact@hlg.com
1-877-445-4533
Horticulture Lighting Group
Located in TN & OH

HLG.com

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Specifications subject to change without notice.
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