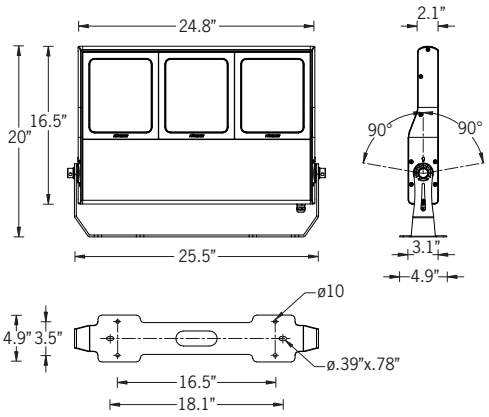
UPIB-50024

Pittsburgh 3 RGBW Floodlight

RGBW

120w LED 7606 Lumens | 180w LED 10866 Lumens
240w LED 13691 Lumens
IP66 • Suitable For Wet Locations
IK08 • Impact Resistant (Vandal Resistant)
Weight 36 lbs



Mounting Detail

Construction

Aluminum
Less than 0.1% copper content – Marine Grade 6060 extruded & LM6 Aluminum High Pressure die casting provides excellent mechanical strength , clean detailed product lines and excellent heat dissipation.

Pre paint
8 step degrease and phosphate process that includes deoxidizing and etching as well as a zinc and nickel phosphate process before product painting.

Memory Retentive -Silicon Gasket
Provided with special injection molded "fit for purpose" long life high temperature memory retentive silicon gaskets. Maintains the gaskets exact profile and seal over years of use and compression.

Thermal management
LM6 Aluminum is used for its excellent mechanical strength and thermal dissipation properties in low and high ambient temperatures. The superior thermal heat sink design by Ligman used in conjunction with the driver, controls thermals below critical temperature range to ensure maximum luminous flux output, as well as providing long LED service life and ensuring less than 10% lumen depreciation at 50,000 hours.

Surge Suppression
Standard 10kv surge suppressor provided with all fixtures.

BUG Rating
Contact Factory

Finishing
All Ligman products go through an extensive finishing process that includes fettling to improve paint adherence.

Paint
UV Stabilized 4.9Mil thick powder coat paint and baked at 200 Deg C. This process ensures that Ligman products can withstand harsh environments. Rated for use in natatoriums.

Inspired by Nature Finishes
The Inspired by nature Finishing is a unique system of decorative powder coating. Our metal decoration process can easily transform the appearance of metal or aluminum product into a wood grain finish.

This patented technology enables the simulation of wood grain, and even marble or granite finish through the use of decorative powder coating.

The wood grain finish is so realistic that it's almost undistinguishable from real wood, even from a close visual inspection. The system of coating permeates the entire thickness of the coat and as a result, the coating cannot be removed by normal rubbing, chipping, or scratching.

The Coating Process
After pre-treatment the prepared parts are powder coated with a specially formulated polyurethane powder. This powder provides protection against wear, abrasion, impact and corrosion and acts as the relief base color for the finalized metal decoration.

The component is then wrapped with a sheet of non-porous film with the selected decoration pattern printed on it using special high temperature inks.

This printed film transfer is vacuum-sealed to the surface for a complete thermo print and then transferred into a customized oven. The oven transforms the ink into different forms within the paint layer before it becomes solid. Finally, the film is removed, and a vivid timber look on aluminum remains.

Wood grain coating can create beautiful wood-looking products of any sort. There are over 300 combinations of designs currently in use. Wood grains can be made with different colors, designs, etc.

Our powder coatings are certified for indoor and outdoor applications and are backed by a comprehensive warranty. These coatings rise to the highest conceivable standard of performance excellence and design innovation.

Added Benefits
• Resistance to salt-acid room, accelerated aging
• Boiling water, lime and condensed water resistant
• Anti-Graffiti, Anti-Slip, Anti-Microbial, Anti-Scratch
• Super durable (UV resistant)
• TGIC free (non-toxic)

Hardware
Provided Hardware is Marine grade 316 Stainless steel.

Anti Seize Screw Holes
Tapped holes are infused with a special anti seize compound designed to prevent seizure of threaded connections, due to electrolysis from heat, corrosive atmospheres and moisture.

Crystal Clear Low Iron Glass Lens
Provided with tempered, impact resistant crystal clear low iron glass ensuring no green glass tinge.

Optics & LED
Precise optic design provides exceptional light control and precise distribution of light.
LED CRI > 80

Lumen - Maintenance Life
L80 /B10 at 50,000 hours (This means that at least 90% of the LED still achieve 80% of their original flux)

Surface mounted low profile floodlight, and area luminaire. Offering a complete range of beam angles and lumen packages to suit the size and needs of each project.

A multipurpose floodlight for the lighting of both outdoor and indoor installations wherever a compact design, and a high degree of protection is required. Excellent optical system providing optimum lighting performance.

Static white light 2700K, 3000K, 3500K and 4000K, LED CRI >80 and RGBW color changing. The LED life time >50,000 Hours. Low copper content corrosion resistant die-cast aluminum body. Integral control gear with single cable gland PG16 for wiring. All external hardware in stainless steel.

Durable silicone rubber gasket and clear toughened glass with quick release hinge aluminum clips for in-position lamp replacement. The luminaire is treated with a chemical chromatized protection before powder coating, ensuring high corrosion resistance. Hot-dipped galvanized steel mounting bracket allows for ceiling, wall or surface mounting. A complete range of optional accessories are available for additional light control.

Additional Options (Consult Factory For Pricing)

A55131
Anti Glare Visor

A55231
Anti Glare Louvre

UPIB-50024

Pittsburgh 3 RGBW Floodlight

LIGMAN LIGHTING USA

PROJECT		DATE	
QUANTITY		TYPE		NOTE	
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ORDERING EXAMPLE || UPIB - 50024 - 120w LED - N - W30 - 02 - 120/277v

UPIB-50024	LAMP	BEAM	RGBW COLOR	FINISH COLOR	VOLTAGE
	120w LED 7606 Lumens 180w LED 10866 Lumens 240w LED 13691 Lumens	T1 - Type I Distribution T2 - Type II Distribution T3 - Type III Distribution T4 - Type IV Distribution VN - Very Narrow 5˚ N - Narrow 12˚ M - Medium 25˚ W - Wide 55˚ VW - Very Wide 68˚ E - Elliptical 25˚x97˚	RGBW30 - Warm White 3200K RGBW40 - Neutral White 4000K RGBW65 - Cool White 6850K	01 - BLACK RAL 9011 02 - DARK GREY RAL 7043 03 - WHITE RAL 9003 04 - METALLIC SILVER RAL 9006 05 - MATTE SILVER RAL 9006 06 - LIGMAN BRONZE 07 - CUSTOM RAL	120/277v Other - Specify

INSPIRED BY NATURE FINISHES

- SW01 - OAK FINISH
- SW02 - WALNUT FINISH
- SW03- PINE FINISH
- DF - DOUGLAS FIR FINISH
- CW - CHERRY WOOD FINISH
- NW - NATIONAL WALNUT FINISH
- SU01 - CONCRETE FINISH
- SU02 - SOFTSCAPE FINISH
- SU03 - STONE FINISH
- SU04 - CORTEN FINISH

THERE IS AN ADDITIONAL COST FOR THESE FINISHES

ADDITIONAL OPTIONS

F - Frosted Lens
DIM - 0-10v Dimming
NAT - Natatorium Rated
SAM - Small Adjustable Arm
AMB - Turtle Friendly Amber LED
A55131 - Anti Glare Visor
A55231 - Anti Glare Louvre
PH - Painted Hardware

PH
Painted Hardware

More Custom Finishes Available Upon Request

Consult factory for pricing and lead times

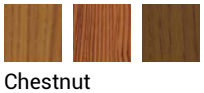
Oak

Cherry

Beech

Carbon

Walnut

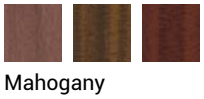


Chestnut

Bamboo

Galvanized

Pine



Mahogany

Birch

Steel

Example: Inspired by Nature Finish

Intertek

RGBW DMX/RDM Control

RGBW DMX/RDM Control

RGBW control requires precise communication between lighting fixtures and IP-based systems. To manage Red, Green, Blue, and White diodes effectively, each fixture must be pre-addressed to ensure accurate individual or grouped control.

Ligman's Engineered Approach

Ligman offers a structured, performance-driven methodology for RGBW system design and deployment.

Fixture Addressing

- Default: Fixtures are factory-programmed with the same DMX address unless otherwise specified.
- Issue: Identical addresses cause all fixtures to respond as one—changing colors simultaneously.

Solution: Assign unique DMX addresses to each fixture during programming or via RDM tools to enable independent or grouped control.

Termination Resistors

To prevent signal interference (crosstalk) between fixtures:

- Ligman supplies 120-ohm termination resistors.
- Install inside the last fixture or at its J-Box. – (Resistor will be factory installed on most fixtures, Some will require installation Onsite Dependent Upon Fixture and Type.) - Connect between DMX+ and DMX– signal lines.

System Design Guidelines

Fixture Count

- On 3 or More Fixtures: A terminating resistor is installed at the end of the run.

On 5 or More Fixtures: Ligman may request additional layout details to validate system integrity.

Fixtures with Dual DMX Addresses require more DMX channels, reducing the number of fixtures per run. *(Refer to technical drawings for specifics.)*

- Maximum Distance Without Booster: 984 ft (300 m) from the controller.

Beyond This Limit: DMX/RDM splitters or boosters are required.

Custom Layouts

For non-standard RGBW configurations, Ligman requires:

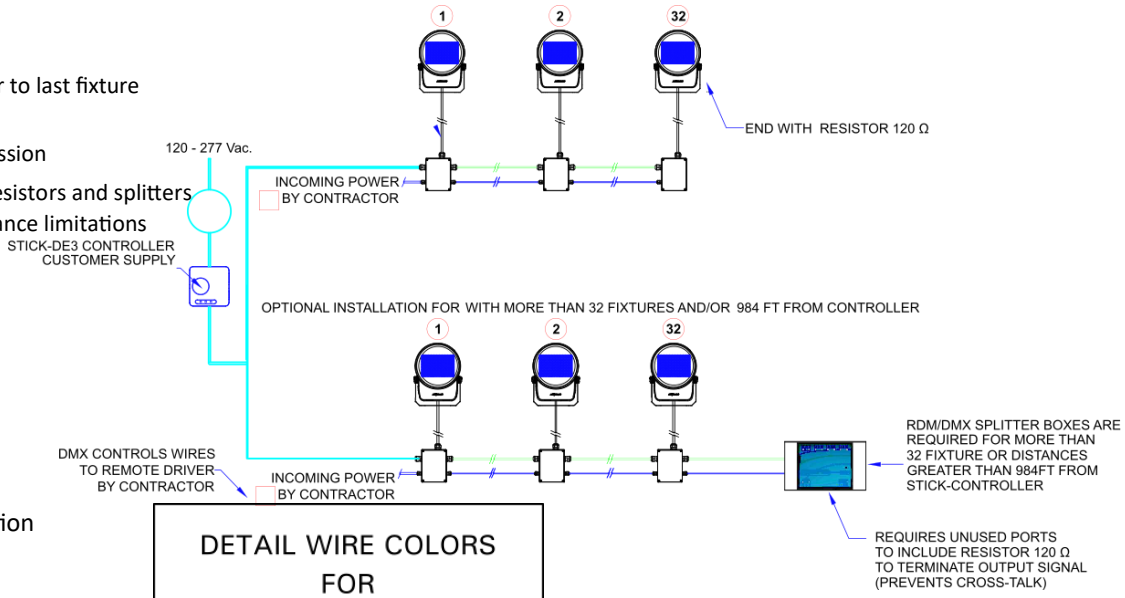
- Fixture quantity per run
- Distance between fixtures

Total cable length from controller to last fixture

This ensures:

- Reliable DMX signal transmission
- Proper use of termination resistors and splitters

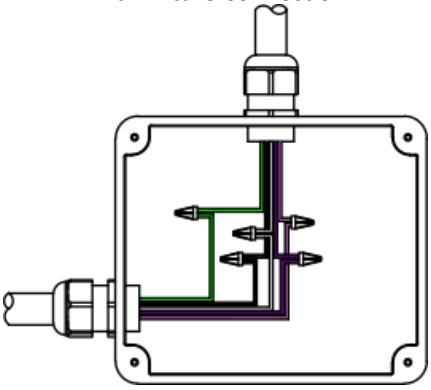
Compliance with fixture and distance limitations



Single Fixture Connection

Or

Final Fixture Connection

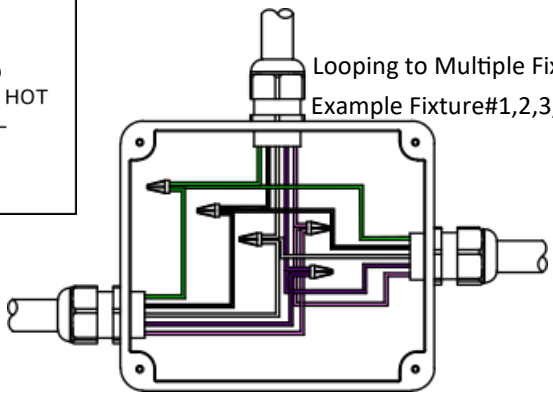


DETAIL WIRE COLORS
FOR
5-WIRE CABLE

GREEN----------GROUND
BLACK----------120/277 HOT
WHITE----------NEUTRAL
PURPLE----------DMX +
PINK----------DMX -

Looping to Multiple Fixtures

Example Fixture#1,2,3,4,ect.



DMX Controls

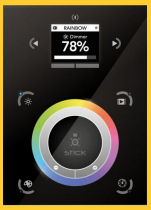
LIGMAN LIGHTING USA

pharos

STICK-DE3

The feature rich lighting controller has been designed to provide a control solution for the most demanding of projects, whilst maintaining an easy to use panel of touch sensitive buttons. The controller integrates a graphical color screen allowing scene photos to be displayed. Easily view the selected zone, scene name and design without the need to navigate through complex menus. Change the speed, color and dimmer using the circular palette.

The lighting levels, color and effects can be programmed from a PC, Mac, Android, iPad or iPhone using the included software.



ESA PRO2

ESA 2

Stick-DE3

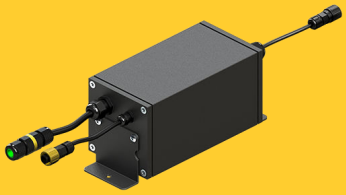
A64791

RDM DMX Splitters

The RDM (Remote Device Management) is a 4 port DMX512 Splitter compatible with the RDM standard to provide DMX output to luminaires and other devices. DMX splitters are an essential requirement for most control systems, allowing multiple separate cable runs from a single DMX output and ensuring electrical isolation.

DMX Splitter / Booster - Remote IP65 Box

DMX/RDM Splitter, within an IP65 box with 1 channel output, is a digital signal distributor is used with DMX512-A and ANSI E1.20 RDM. 1-port, DMX/RDM isolated splitter engineered to take any architectural, commercial, or entertainment project to the next level. Multiple DMX/RDM Splitter can be chained together to create as many outputs as you need.



RDM – DMX Repeater

The RDM (Remote Device Management) is a 4 port DMX512 Splitter compatible with the RDM standard to provide DMX output to luminaires and other devices. DMX splitters are an essential requirement for most control systems, allowing multiple separate cable runs from a single DMX output and ensuring electrical isolation.

Pittsburgh Product Family

Pittsburgh 1

- UPIB-50001-38w-5580lm
- UPIB-50001-53w-7345lm
- UPIB-50001-78w-11018lm

Pittsburgh 1

- UPIB-50004-40w-2535lm
- UPIB-50004-60w-3622lm
- UPIB-50004-80w-4564lm

Pittsburgh 2

- UPIB-50011-76w-10723lm
- UPIB-50011-106w-14690lm
- UPIB-50011-156w-22035lm

Pittsburgh 2

- UPIB-50014-80w-5071lm
- UPIB-50014-120w-7244lm
- UPIB-50014-160w-9127lm

Pittsburgh 3

- UPIB-50021-108w-17610lm
- UPIB-50021-154w-23805lm
- UPIB-50021-222w-33053lm

Pittsburgh 3

- UPIB-50024-120w-7606lm
- UPIB-50024-180w-10866lm
- UPIB-50024-240w-13691lm

Pittsburgh 4

- UPIB-30001-39w-5580lm
- UPIB-30001-55w-7406lm
- UPIB-30001-73w-10381lm

Pittsburgh 4

- UPIB-30004-40w-2535lm
- UPIB-30004-60w-3622lm
- UPIB-30004-80w-4564lm

Pittsburgh 5

- UPIB-30011-76w-10723lm
- UPIB-30011-106w-14690lm
- UPIB-30011-156w-22035lm

Pittsburgh 5

- UPIB-30014-80w-5071lm
- UPIB-30014-120w-7244lm
- UPIB-30014-160w-9127lm

Pittsburgh 6

- UPIB-30021-108w-17610lm
- UPIB-30021-154w-23805lm
- UPIB-30021-222w-33053lm

Pittsburgh 6

- UPIB-30024-120w-7606lm
- UPIB-30024-180w-10866lm
- UPIB-30024-240w-13691lm