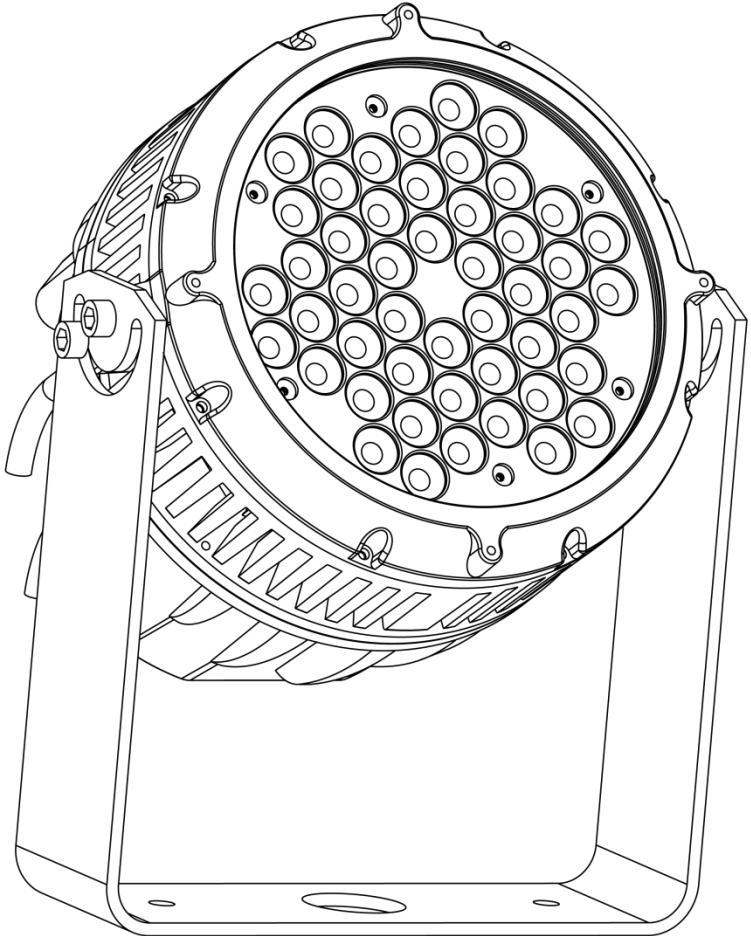


Ilumipod 48 IP Optic RGBW

Quick Reference Guide



ILUMINARC®

About This Guide

The Illumipod 48 IP Optic RGBW Quick Reference Guide (QRG) contains the product’s connection and mounting information, as well as the menu options and DMX values.

Disclaimer

Refer to this product’s User Manual for detailed information and instructions. You can download the User Manual from the ILUMINARC® website: www.iluminarc.com.

Read ALL the disclaimers and Safety Notes in this document, as well as those in the product’s User Manual before installing, operating, or maintaining this product.

Safety Notes

- DO NOT open this product unless instructed. It contains no user serviceable parts.
- DO NOT look at the light source when this product is on.
- DO NOT touch the product when it is operating because it may be hot.
- DO NOT leave any flammable material within 50 cm from this product while operating or connected to the power outlet to minimize the risk of fire.
- DO NOT mount this product overhead without using a safety cable.
- DO NOT submerge this product below 1 m for more than 30 minutes (IP67). Regular outdoor operation is fine.
- DO NOT operate this product if you see damage on the housing, lenses, or cables. Have an authorized technician replace the damaged parts.
- DO NOT connect this product to a dimmer or rheostat.
- ONLY connect this product to a grounded and protected circuit.

What Is Included

- One Illumipod 48 IP Optic RGBW
- One Power Input Cable (bare-ended)
- One Data Input/Output Cable (bare-ended)
- One Safety Cable
- One Warranty Card
- One Quick Reference Guide

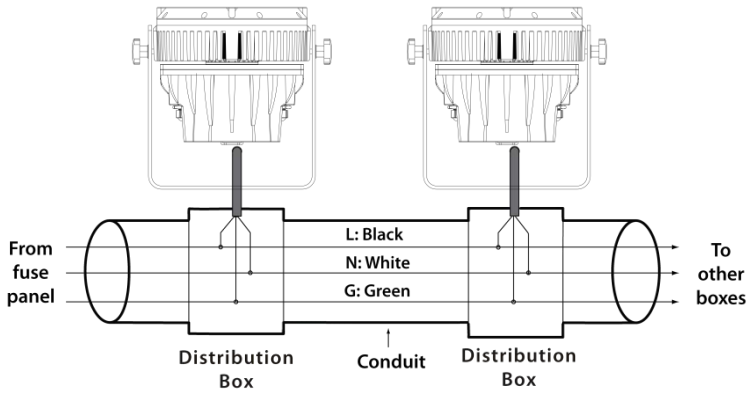
- Features**
- 3, 4, 5, 6, or 11-channel DMX LED wash light (with ID addressing)
 - Operating modes:
 - 3-channel: RGB control
 - 3-channel: HSV control (hue, saturation and value)
 - 4-channel: RGBW control
 - 4-channel: RGB, dimmer
 - 5-channel: RGBW, dimmer
 - 6-channel: RGBW, dimmer, strobe
 - 11-channel: RGBW, ID, dimmer, strobe, macro, auto, auto speed, custom, dimmer speed
 - RGBW color mixing with or without DMX controller
 - Color temperature presets (3,200~10,000 K)
 - Built-in automated programs via DMX
 - Recall custom programs via DMX
- Options**
- Ilumicon controller (for operation without DMX controller)
 - High-power, 2~3 W (750~1000 mA) LEDs
 - Ingress Protection: IP67
 - LED display with lock-out feature

AC Power This product has an auto-ranging power supply that works with an input voltage range of 100~240 VAC, 50/60 Hz.

Power Wiring You can connect the bare-ended IP67 rated power cable from the product to an IP67 rated power connector or use an IP67 rated junction box. If using an IP67 rated junction box, make sure to use IP67 rated conduit.

Connection	Wire (US)	Wire (Europe)	IP67 Pin
AC Live	Black	Brown	1
AC Neutral	White	Blue	2
AC Ground	Green/Yellow	Green/Yellow	3

AC Power Junction Box Wiring



DMX Connection

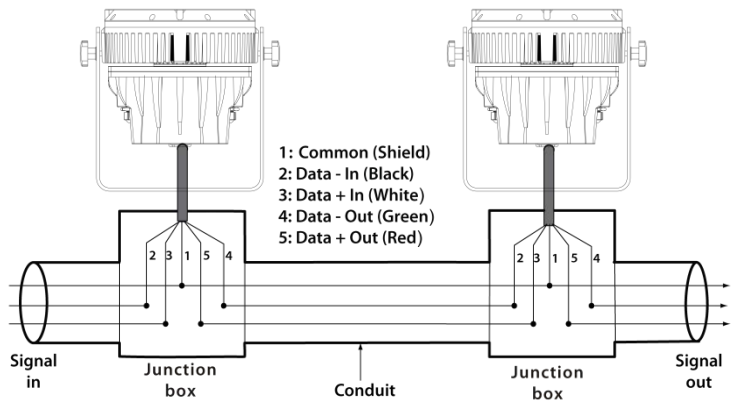
You can connect the bare-ended IP67 rated signal cable from this product to two IP67 rated signal connectors (DMX in and DMX Out) or use an IP67 rated junction box. If using an IP67 rated junction box, make sure to use IP67 rated conduit.

Signal Wiring

To provide a signal for this product, you can connect the bare-ended IP67 rated signal cable from the product to two IP67 rated signal connectors (DMX in and DMX out) or use an IP67 rated junction box. If using an IP67 rated junction box, make sure to use IP67 rates.

The signal cable must match or exceed the electrical characteristics of the Belden® 9841 cable for EIA RS-485 applications. You can also use CAT 5, CAT 5e, or CAT 6.

DMX Junction Box Wiring



DMX Cable Table

Connection	DMX In	DMX Out	IP67 Pin
Ground	Shield	Shield	1
Data -	Black	Green	2
Data +	White	Red	3

Illumicon and DMX Controllers

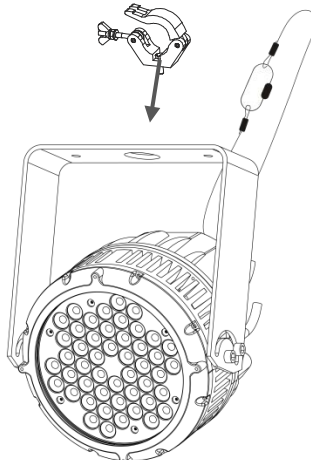
The Illumipod 48 IP Optic RGBW can operate with either an Illumicon or a DMX controller. Use the standard DMX connection, as shown on page 4 (*DMX Junction Box Wiring*) to connect this product to any of those controllers. For more information, please refer to the *Illumipod 48 IP Optic RGBW User Manual*.

Installation

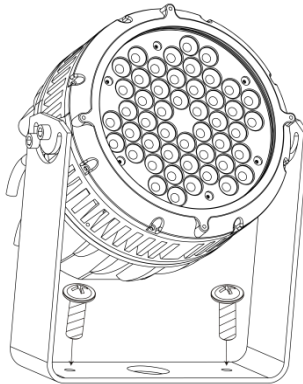
Before installing this product, read the Safety Notes at the beginning of the *Illumipod 48 IP Optic RGBW User Manual* and follow the installation procedures.

This product comes with ONE (1) adjustable bracket to mount it on any firm, non-flammable surface, whether horizontally or vertically, on the floor or hanging from a truss.

Mounting Diagram



Overhead Mounting



Floor Mounting

**Control Panel
Description**

Button	Function
<MENU>	Scrolls through the main level or exits from the current menu or function
<ENTER>	Enables the currently displayed menu or sets the currently selected value into the selected function.
<UP>	Navigates upwards through the menu options and increases the numeric value when in a function.
<DOWN>	Navigates downwards through the menu options and decreases the numeric value when in a function.

Password

After being prompted to enter the password, press:
<UP>, <DOWN>, <UP>, <DOWN>, and <ENTER>.

Start Address

To ensure full access to all channels in each DMX mode, the highest recommended DMX addresses are as follows:

Mode	Address	Mode	Address	Mode	Address
STAG	502	AR1.D	509	HSV	510
ARC1	510	AR2.S	508	AR2D	507

Menu Options

1 st Level	Programming Levels		Description		
STAT	R (red)	000~255	Combines red, green, blue, and white to form a custom color		
	G (green)				
	b (blue)				
	w (white)				
	ST (strobe)	00~20	Strobe frequency (0~20 Hz)		
AUTO	AT.1~10		Selects any of the 10 auto programs		
	PR.1~10		Selects any of the 10 custom (editable) programs		
RUN	dMX		Operates with a DMX controller		
	SLAV		Operates with a master fixture		
dMX	d.001~512		Sets the DMX starting address		
PERS	STAG		11 channels (RGBW, D, S, CM, A, AS, DS, ID)		
	ARC.1		3 channels (RGB)		
	AR1.D		4 channels (RGB, D)		
	ARC.2		4 channels (RGBW)		
	AR2.d		5 channels (RGBW, D)		
	AR2.S		6 channels (RGBW, D, S)		
	HSV		3 channels (hue, saturation, value)		
Id	Id.01~66		Assigns an ID address to the fixture		
EdIT	PR.01~10	SC.01~30	R (red)	000~255	Combines red, green, blue, and white to form a custom color
			G (green)		
			b (blue)		
			w (white)		
			Sb (strobe)	00~20	Strobe frequency (0~20 Hz)
			T (time)	000~255	Step duration
F (fade)	Fade duration				
SET	Pow (upload)		NORM	Disables HyperColor™ mode	
			HIGH	Enables HyperColor™ mode	
	UPLd (upload)		<Password>	Uploads custom programs to another fixture	
	REST (reset)			Resets the fixture to factory settings	
	Id (ID addressing)		ON/OFF	Turns ID addressing on or off	
	RGbw (color calibration)		OFF	Max output when RGBW faders are at 255	
			RGbw (RGB to white)	Pre-set output when RGBW faders are at 255	
			UC (Universal Color)	Output matches that of older fixtures	
dIM (dimmer speed)		OFF	Makes dimmer curve linear		
		dIM1~4	Changes the dimmer curve (fast ↔ slow)		
CAL1	wT.01~11 (White temperature)		R (red)	000~255	Modifies the white temperature used in the macros channel (TOUR, channel 6)
			G (green)		
			b (blue)		
			w (white)		
CAL2	RGbw (RGB to white)		R (red)	000~255	Modifies the white color used when SET > COLOR > RGbw is active
			G (green)		
			b (blue)		
KEY	ON/OFF		Turns the password on or off		

DMX Values

STAG

Channel	Function	Value	Setting
1	Dimmer	000 ⇄ 255	0~100%
2	Red	000 ⇄ 255	0~100%
3	Green	000 ⇄ 255	0~100%
4	Blue	000 ⇄ 255	0~100%
5	White	000 ⇄ 255	0~100%
6	Color Macro + White Balance	000 ⇄ 005	No Function
		006 ⇄ 020	HyperColor™ Mode (only in Normal power mode)
		021 ⇄ 030	No Function
		031 ⇄ 050	R: 100% G: 0~100% B: 0%
		051 ⇄ 070	R: 100~0% G: 100% B: 0%
		071 ⇄ 080	R: 0% G: 100% B: 0~100%
		081 ⇄ 090	R: 100% G: 0% B: 100~0%
		091 ⇄ 110	R: 0% G: 100~0% B: 100%
		111 ⇄ 130	R: 0~100% G: 0% B: 100%
		131 ⇄ 150	R: 100% G: 0% B: 100~0%
		151 ⇄ 170	R: 100% G: 0~100% B: 0~100%
		171 ⇄ 190	R: 100~0% G: 100~0% B: 100%
		191 ⇄ 200	R: 100% G: 100% B: 100% W: 100%
		201 ⇄ 205	White 1: 3200 K
		206 ⇄ 210	White 2: 3400 K
		211 ⇄ 215	White 3: 4200 K
		216 ⇄ 220	White 4: 4900 K
		221 ⇄ 225	White 5: 5600 K
		226 ⇄ 230	White 6: 5900 K
		231 ⇄ 235	White 7: 6500 K
236 ⇄ 240	White 8: 7200 K		
241 ⇄ 245	White 9: 8000 K		
246 ⇄ 250	White 10: 8500 K		
251 ⇄ 255	White 11: 10000 K		
7	Strobe	000 ⇄ 010	No Function
		011 ⇄ 255	0~20 Hz
8	Auto + Custom Programs	000 ⇄ 020	No Function
		021 ⇄ 030	Auto 1
		031 ⇄ 040	Auto 2
		041 ⇄ 050	Auto 3
		051 ⇄ 060	Auto 4
		061 ⇄ 070	Auto 5
		071 ⇄ 080	Auto 6
		081 ⇄ 090	Auto 7
		091 ⇄ 100	Auto 8
		101 ⇄ 110	Auto 9

STAG (cont.)

Channel	Function	Value	Setting				
8	Auto + Custom Programs	111 ⇄ 120	Auto 10				
		121 ⇄ 130	Custom 1				
		131 ⇄ 140	Custom 2				
		141 ⇄ 150	Custom 3				
		151 ⇄ 160	Custom 4				
		161 ⇄ 170	Custom 5				
		171 ⇄ 180	Custom 6				
		181 ⇄ 190	Custom 7				
		191 ⇄ 200	Custom 8				
		201 ⇄ 210	Custom 9				
		211 ⇄ 255	Custom 10				
9	Auto Speed	000 ⇄ 255	0~100% (Only when Auto 01~10 active)				
10	Dimmer Speed	000 ⇄ 009	Linear dimming curve				
		010 ⇄ 069	Nonlinear dimming curve 1 (fastest)				
		070 ⇄ 129	Nonlinear dimming curve 2				
		130 ⇄ 189	Nonlinear dimming curve 3				
		190 ⇄ 255	Nonlinear dimming curve 4 (slowest)				
11	ID Addressing	000 ⇄ 009	All IDs	212	ID 23	235	ID 46
		010 ⇄ 019	ID 1	213	ID 24	236	ID 47
		020 ⇄ 029	ID 2	214	ID 25	237	ID 48
		030 ⇄ 039	ID 3	215	ID 26	238	ID 49
		040 ⇄ 049	ID 4	216	ID 27	239	ID 50
		050 ⇄ 059	ID 5	217	ID 28	240	ID 51
		060 ⇄ 069	ID 6	218	ID 29	241	ID 52
		070 ⇄ 079	ID 7	219	ID 30	242	ID 53
		080 ⇄ 089	ID 8	220	ID 31	243	ID 54
		090 ⇄ 099	ID 9	221	ID 32	244	ID 55
		100 ⇄ 109	ID 10	222	ID 33	245	ID 56
		110 ⇄ 119	ID 11	223	ID 34	246	ID 57
		120 ⇄ 129	ID 12	224	ID 35	247	ID 58
		130 ⇄ 139	ID 13	225	ID 36	248	ID 59
		140 ⇄ 149	ID 14	226	ID 37	249	ID 60
		150 ⇄ 159	ID 15	227	ID 38	250	ID 61
		160 ⇄ 169	ID 16	228	ID 39	251	ID 62
		170 ⇄ 179	ID 17	229	ID 40	252	ID 63
		180 ⇄ 189	ID 18	230	ID 41	253	ID 64
		190 ⇄ 199	ID 19	231	ID 42	254	ID 65
		200 ⇄ 209	ID 20	232	ID 43	255	ID 66
				210	ID 21		
		211	ID 22	234	ID 45		

ARC 1

Channel	Function	Value	Percent/Setting
1	Red	000 ⇔ 255	0~100%
2	Green	000 ⇔ 255	0~100%
3	Blue	000 ⇔ 255	0~100%

ARC 1 + D

Channel	Function	Value	Percent/Setting
1	Dimmer	000 ⇔ 255	0~100%
2	Red	000 ⇔ 255	0~100%
3	Green	000 ⇔ 255	0~100%
4	Blue	000 ⇔ 255	0~100%

ARC 2

Channel	Function	Value	Percent/Setting
1	Red	000 ⇔ 255	0~100%
2	Green	000 ⇔ 255	0~100%
3	Blue	000 ⇔ 255	0~100%
4	White	000 ⇔ 255	0~100%

ARC 2 + D

Channel	Function	Value	Percent/Setting
1	Dimmer	000 ⇔ 255	0~100%
2	Red	000 ⇔ 255	0~100%
3	Green	000 ⇔ 255	0~100%
4	Blue	000 ⇔ 255	0~100%
5	White	000 ⇔ 255	0~100%

ARC 2 + S

Channel	Function	Value	Percent/Setting
1	Dimmer	000 ⇔ 255	0~100%
2	Red	000 ⇔ 255	0~100%
3	Green	000 ⇔ 255	0~100%
4	Blue	000 ⇔ 255	0~100%
5	White	000 ⇔ 255	0~100%
6	Strobe	000 ⇔ 004 005 ⇔ 255	No Function 0~20 Hz

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Illumipod 48 IP Optic RGBW QRG – Rev. 03

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3144482