

iW Scene Controller

Control intelligent white light fixtures at the touch of a button



iW Scene Controller Control intelligent white light fixtures at the touch of a button

iW Scene Controller gives you instantaneous, pushbutton control of the entire range of Philips IntelliWhite fixtures, our family of dimmable, temperature controllable white lights. This elegant, wall-mounted controller lets you vary fixture brightness and color temperature to select the perfect quality and intensity of light. With iW Scene Controller, you can control up to four zones (groups of lights) simultaneously. You can save sets of brightness and color temperature settings as scenes, then recall them at the touch of a button.

• Vary brightness and color temperature for mood and effect — Adjusting the brightness and color temperature of IntelliWhite fixtures, from warm (more yellow / red) to cool (more blue), alters the emotional effect of a space, and can dramatically affect the appearance of objects on display in shops, galleries, and museums. Selecting the right color temperature matches light source to environment, positively influences buyer



Different color temperatures affect the appearance of objects

behavior, and increases productivity in the workplace. With pushbutton brightness and temperature controls, iW Scene Controller makes it easy to choose the right white light source for your desired mood, application, or time of day.

- Store and recall settings as scenes Set the desired white light source for up to four zones, and store your settings as a scene. For example, you can store color temperature and brightness settings appropriate for morning, afternoon, evening, and overnight illumination. You can instantly recall your stored settings at the touch of a button.
- Full set of lighting controls Onboard indicator lamps identify the current settings of iW Scene Controller brightness, color temperature, zone, and scene buttons. A master switch turns all lights on or off.
- Simple installation Mounts in a standard US single-gang wall box. Uses a single provided leader cable to connect with an IntelliWhite power / data supply.
- Compact design Uses wall space efficiently for a clean look that blends with a variety of architectural styles.



Control up to four zones and scenes iW Scene Controller lets you control up to four zones of lights, and save up to four groups of settings as scenes.

Understanding Zones

iW Scene Controller works with IntelliWhite power / data supplies to control IntelliWhite lights residing in *zones*. Zones are groups of fixtures that operate in unison.

 You create a zone by assigning a zone designation (1 – 9, A – F) to an IntelliWhite power / data supply, using the switch located on or within the power / data supply's housing.

- All fixtures attached to the power / data supply reside within the designated zone and display the same output.
- If you have multiple power / data supplies in a run, you can create up to 15 separate zones, each containing one or more power / data supplies. All fixtures attached to all power / data supplies with the same zone designation reside in the same zone and operate in unison.

For example, in a single run of eight power / data supplies, the first and third power / data supplies are set to Zone 1, while the second, fifth, and seventh power / data supplies are set to Zone 3. The fixtures attached to the first and third power / data supplies reside in Zone 1, the fixtures attached to the second, fifth, and seventh power / data supplies reside in Zone 3.

Zone 1 contains two power / data supplies



Zone 3 contains three power / data supplies



Scene $\begin{bmatrix} & & & & & \\ & & & & & \\ & & & & & \\ & & & & & \\ & & & & & \\ & & & & & & \\ & & & & & & \\ & & & & & & \\ & & & & & & & \\ & & & & & & & \\ & & & & & & & \\ & & & & & & & \\ & & & & & & & \\ & & & & & & & \\ & & & & & & & \\ & & & & & & & \\ & & & & & & & \\ & & & & & & & \\ & & & & & & & \\ & & & & & & & \\ & & & & & & & \\ & & & & & & & \\ & & & & & & & \\ & & & & & & & \\ & & & & & & & \\ & & & & & & & \\ & & & & & & & \\ & & & & & & & \\ & & & & & & & \\ & & & & & & & \\ & & & & & & & \\ & & & & & & & \\ & & & & & & & \\ & & & & & & & \\ & & & & & & & \\ & & & & & & & \\ & & & & & & & \\ & & & & & & & \\ & & & & & & & \\ & & & & & & & \\ & & & & & & & \\ & & & &$

iW Scene Controller buttons

You can use iW Translator to connect multiple iW Scene Controllers to a single run of power / data supplies, allowing you to control up to 15 separate zones. For more information, refer to the iW Translator Product Guide, or consult Application Engineering services at support@colorkinetics.com.

An iW Scene Controller can control the fixtures in up to four separate zones simultaneously within a single run of power / data supplies. You need a separate iW Scene Controller for each run of power / data supplies.

See the Product Guide for your specific power / data supply for complete instructions on defining zones.

Specifications

Due to continuous improvements and innovations, specifications may change without notice.

ltem	Specification	Details	
Power	Serial	+5 VDC @ 50 mA, from power / data supply	
Physical	Dimensions (Height x Width x Depth)	4.7 x 2.9 x 1 in (120 x 74 x 25 mm)	
	Weight	4.0 oz (113 g)	
	Housing	Medium matte white plastic faceplate Mounts in single-gang wall box	
	Operating Temperature	14° F – 104° F (-10° C – 40° C)	
	Humidity	0 – 95%, non-condensing	
	Connector / Cable	Maximum serial cable length of 50 ft (15.2 m), included	
Certification and Safety	Certification	CE, RoHS	
	Environment	Indoor	

CE

Dimensions







Included in the box

iW Scene Controller

50 ft (15.2 m) leader cable

Standard single-gang wall box for use outside of North America

(2) self-threading flathead countersunk M2.5 screws

Medium matte white plastic faceplate



iW Scene Controller and Accessories

iW Scene Controller is part of a complete system that includes:

- An IntelliWhite power / data supply, such as iW Data Enabler, iW PDS-60, or iW PDS-150.
- IntelliWhite fixtures.
- The provided 50 ft (15.2 m) leader cable.
- (Optional) iW Translator for connecting multiple iW Scene Controllers in a single installation, or for positioning an iW Scene Controller up to 328 ft (100 m) from a power / data supply.

Item	Item Number	Philips 12NC
iW Scene Controller	503-000001-00	910503700189
iW Data Enabler	506-000001-00	910503700190
iW PDS-60	509-000002-00	910503700192
iW PDS-150	509-000001-00	910503700191
iW Translator	104-000013-00	—
	Lise Itom Number when ordering in North America	

Use Item Number when ordering in North America.

Typical IntelliWhite Installation

with iW Scene Controller

In this scenario, iW Scene Controller controls a series of iW Cove Powercore fixtures connected to an iW Data Enabler.

iW Cove Powercore fixtures



Installation

iW Scene Controller is installed in IntelliWhite lighting installations. The controller receives power from an IntelliWhite power / data supply over the provided 4-pin leader cable. iW Scene Controller letting you adjust their brightness and color temperature of fixtures in up to four zones, and turn all fixtures on and off. With iW Translator, you can install up to four iW Scene Controllers in a single run of power / data supplies, for control of up to 15 zones and 16 scenes.

Owner / User Responsibilities

It is the responsibility of the contractor, installer, purchaser, owner, and user to install, maintain, and operate iW Scene Controller in such a manner as to comply with all applicable codes, state and local laws, ordinances, and regulations. Consult with the appropriate electrical inspector to ensure compliance.

Prepare for the Installation

Carefully inspect the box containing iW Scene Controller and the contents for any damage that may have occurred in transit.

iW Scene Controller connects to the first power / data supply in a series. Make sure that additional components, such as a standard one-gang junction box and mounting screws, are also available.

Consider these guidelines when planning the installation:

- · iW Scene Controller is designed for indoor use only.
- Create a layout plan that starts with the locations of the power / data supplies, and that includes all leader cables and fixtures.
- Ensure that all required power / data supplies and light fixtures are connected properly.
- Determine a convenient but unobtrusive location for iW Scene Controller, accessible to the provided leader cable of 50 ft (15. 2 m).
- (Optional) Using iW Translator, you can position an iW Scene Controller up to 328 ft (100 m) from a power / data supply. You can also use iW Translator to install multiple iW Scene Controllers within a single run of power / data supplies, for control of up to 15 zones and 16 scenes.

Assemble Additional Items

The following additional items are required to mount and connect iW Scene Controller.

- The provided 50 ft (15.2 m) leader cable is required to connect iW Scene Controller to the first power / data supply in a series.
- You can use a standard US junction box in North America. The provided junction box can also be used outside of North America.
- You will need the provided flathead Phillips screws for securing the keypad housing to the junction box.

Refer to the iW Scene Controller Installation Instructions for specific warning and caution statements.

For more information, refer to the iW Translator Product Guide, or consult Application Engineering services at support@colorkinetics.com.

Included in the box

iW Scene Controller 50 ft (15.2 m) leader cable Standard single-gang wall box for use outside of

North America (2) self-threading flathead countersunk M2.5 screws

Medium matte white plastic faceplate



Set iW Scene Controller Zones

iW Scene Controller works with IntelliWhite power / data supplies to control IntelliWhite lights residing in zones. Zones are groups of fixtures that operate in unison.

You create a zone by assigning a zone designation (1 - 9, A - F) to an IntelliWhite power / data supply, using the switch located on or within the power / data supply's housing. All fixtures attached to the power / data supply reside within the designated zone and display the output.



You assign each Zone button on the iW Scene Controller keypad to control a particular zone by setting the Zone rotary switches on the back of the controller's housing. From top to bottom, the Zone rotary switches are factory-set to zones 1 through 4. (The fifth or bottommost switch is not used.) The Zone rotary switches, top to bottom, correspond to the Zone buttons on the keypad, left to right.



switches, top to bottom . . .

Zone buttons, left to right

Once you set a Zone rotary switch, the corresponding Zone button affects the fixtures in that zone. For instance, setting the topmost Zone rotary switch to 3 configures the leftmost Zone button to select all lights connected to any iW Data Enablers also set to zone 3.

To set iW Scene Controller zones:

- 1. Using a small flathead screwdriver, set each Zone rotary switch to the zone that you want the corresponding keypad button to select.
- 2. For convenience and to avoid configuration errors, record the Zone rotary switch settings before installing iW Scene Controller in its junction box.

You can reset or change Zone rotary switch settings after installing iW Scene Controller, but you must cycle power to recognize any settings or changes you make after power is engaged.. In the following example, both the topmost Zone rotary switch on the iW Scene Controller and the Zone rotary switch inside the iW Data Enabler housing are set to zone 3. Pressing the leftmost Zone button on the iW Scene Controller keypad selects zone 3, which includes all fixtures attached to the iW Data Enabler.





Similarly, in the following example, both the topmost Zone rotary switch on the iW Scene Controller and the Zone switch on the iW PDS-60 housing are set to zone 3. Pressing the leftmost Zone button on the iW Scene Controller keypad selects zone 3, which includes all fixtures attached to the iW PDS-60.



iW Scene Controller can control up to four zones in a single run of power / data supplies. In the following example, four iW Data Enablers are connected in series. Each iW Data Enabler is set to a different zone: the first to zone 1, the second to zone 2, the third to zone D, and the fourth to zone E. The top four Zone rotary switches on the back of the iW Scene Controller are set to zones 1, 2, D, and E, from top to bottom. Therefore, the Zone buttons on the keypad are set to select the fixtures in zones 1, 2, D, and E respectively, from left to right.



Connect and Mount iW Scene Controller

Make sure the power is OFF before connecting and mounting iW Scene Controller.

- 1. A standard US junction box may be used in North America. If using the provided junction box outside of North America, snap out a knock-out on a side that will not be mounted to the structural component.
- 2. Mount the junction box with screws or nails to the structural component.
- 3. If necessary, remove the terminal connector from the serial cable.
- 4. Thread the provided leader cable through the knock-out.
- 5. If necessary, re-attach the cable leads to the terminal connector.
- 6. Connect the terminal connector to the back of the scene controller.



- 7. Remove the faceplate from iW Scene Controller by grasping the top or bottom edge of the faceplate and prying it gently away from the housing.
- 8. Align the screw holes in the controller with the screw holes in the junction box.
- 9. Mount the keypad to the junction box using the provided screws.
- 10. Replace the faceplate by pressing it gently onto the housing until it snaps into place.



11. Pull the leader cable to the first power / data supply in a run, and connect the cable to the Data In connector inside the power / data supply housing.

Using iW Scene Controller

Make sure the power is ON.

ON/OFF

When the lights are off, there is still power present at the fixtures and iW Scene Controller.

iW Scene Controller buttons









Color Temperature Controls





Press the ON/OFF button to turn all the lights in the installation on or off.

Zone

The Zone buttons on the front of the controller correspond, from left to right, to the first four Zone rotary switches on the back of the controller, from top to bottom. For example, if the topmost Zone rotary switch is set to zone 1, the leftmost Zone button affects zone 1. If the second switch from the top is set to zone C, the second button from the left affects zone C.

Press a Zone button to select a zone. You can adjust the brightness and color temperature settings of the currently selected zone.

Dim and Bright

The Dim and Bright buttons adjust the brightness of the lights in the selected zone.

Press the Bright button to incrementally increases the brightness of the lights, and the Dim button to incrementally dim the lights. You can dim lights to black.

Cool and Warm

The Cool and Warm buttons adjust the color temperature of the lights in the selected zone.

Press the Warm button to incrementally make the light appear warmer (by decreasing the Kelvin temperature), and the Cool button to incrementally make the light appear cooler (by increasing the Kelvin temperature)

Scene

After you set the brightness and color temperature of all zones, you can save your settings as a scene. You can store up to four scenes for different occasions, moods, or times of day. Pressing a Scene button applies the scene to all zones simultaneously.

To set and recall a scene:

- 1. Select a zone by pressing a Zone button.
- 2. Set the brightness and color temperature for the zone.
- 3. Repeat steps 1 and 2 for all zones on iW Scene Controller.
- 4. Press and hold a Scene button for three seconds. The Scene indicators blink when the setting is saved.
- To recall the scene, press the Scene button to instantly apply the saved settings to all zones on the controller.



Maintenance

Clean the faceplate and buttons with a soft, damp cloth. Do not spray liquids directly on iW Scene Controller, as it is not sealed.



Philips Color Kinetics 3 Burlington Woods Drive Burlington, Massachusetts 01803 USA Tel 888.Full.RGB Tel 617.423.9999 Fax 617.423.9998 www.colorkinetics.com Copyright © 2009 Philips Solid-State Lighting Solutions, Inc. All rights reserved. Chromacore, Chromasic, CK, the CK logo, Color Kinetics, the Color Kinetics logo, ColorBlast, ColorBlaze, ColorBurst, ColorGraze, ColorPlay, ColorReach, DIMand, EssentialWhite, eW, iColor, iColor Cove, IntelliWhite, iW, iPlayer, Light Without Limits, Optibin, and Powercore are either registered trademarks or trademarks of Philips Solid-State Lighting Solutions, Inc. in the United States and / or other countries. All other brand or product names are trademarks or registered trademarks of their respective owners. Due to continuous improvements and innovations, specifications may change without notice.

Cover Photo: The Bostonian by John Brandon Miller