

Cognex® Multi-Light Hub Reference Manual

2026 August 17



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Precautions

To reduce the risk of injury or equipment damage, observe the following precautions when you install the Cognex product:

- The light controller requires a UL or NTRL listed power supply with a 24 VDC output that meets the following rating requirements:
 - 24 V DC (+/- 10%) output connection using a UL or NTRL listed LPS or NEC Class 2 power supply.

Any other voltage creates a risk of fire or shock and can damage the components. Applicable national and local wiring standards and rules must be followed.

- This product is intended for industrial use in automated manufacturing or similar applications.
- The safety of any system incorporating this product is the responsibility of the assembler of the system.
- Do not install Cognex products where they are exposed to environmental hazards such as excessive heat, dust, moisture, humidity, impact, vibration, corrosive substances, flammable substances, or static electricity.
- Route cables and wires away from high-current wiring or high-voltage power sources to reduce the risk of damage or malfunction from the following causes: over-voltage, line noise, electrostatic discharge (ESD), power surges, or other irregularities in the power supply.
- This product does not contain user-serviceable parts. Do not make electrical or mechanical modifications to product components. Unauthorized modifications can void your warranty.
- Changes or modifications not expressly approved by the party responsible for regulatory compliance could void the user's authority to operate the equipment.
- Include service loops with cable connections.
- Ensure that the cable bend radius begins at least six inches from the connector. Cable shielding can be degraded or cables can be damaged or wear out faster if a service loop or bend radius is tighter than 10X the cable diameter.
- This device should be used in accordance with the instructions in this manual.
- All specifications are for reference purposes only and can change without notice.

Symbols

The following symbols indicate safety precautions and supplemental information:

 **WARNING:** This symbol indicates a hazard that could cause death, serious personal injury or electrical shock.

 **CAUTION:** This symbol indicates a hazard that could result in property damage.

 **Note:** This symbol indicates additional information about a subject.

 **Tip:** This symbol indicates suggestions and shortcuts that might not otherwise be apparent.

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Getting Started

This section provides general information about the Cognex Multi-Light Hub series light controller and the accessories and systems.

About the Cognex Multi-Light Hub Series



The Cognex Multi-Light Hub is an external light controller for In-Sight vision systems that allows you to connect up to four external lights, with up to 96 W combined power consumption. For more information, see [Light Control on page 24](#). The Cognex Multi-Light Hub has the following advantages:

- The vision system can automatically detect the connected lights and which ports they connect to on the Multi-Light Hub.
- You can configure the distribution and sequencing of the STROBE signals going to the connected lights.
- You can switch the power for the connected lights on or off individually.

The Cognex Multi-Light Hub light controller supports the following vision systems and vision controllers:

- In-Sight 3800 series vision systems
- In-Sight 3900 series vision systems
- In-Sight 6900 series vision controllers

Accessories

You can purchase the following components separately. For a list of options and accessories, contact your local Cognex sales representative.

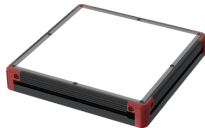
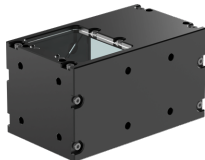
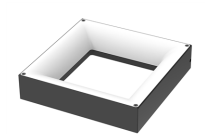
Supported Lights

The Cognex Multi-Light Hub supports over 90 smart lights in a variety of sizes and forms, which are available separately. All lights are available in red, blue, or white colors.

Note:

i This document only provides an overview of the types of smart lights that are available. For a detailed list of the supported lights in all available sizes, go to [Machine Vision Lighting](#) or contact Cognex support.

The following table provides information on the types of lights available:

Accessory	Product Number	Illustration
Bar Lights Available lengths: 41-242 mm	CEL-BA	
Combined Bar Lights Available lengths: 41-80 mm	CEL-BAQ	
Back Lights Available lengths: 27-224 mm	CEL-BL	
Coaxial Lights Available lengths: 20-50 mm	CEL-CX	
Dome Lights Available diameters: 80-285 mm	CEL-DM3	
Diffuse Square Lights Available lengths: 48-120 mm	CEL-DQH	
Diffuse Ring Lights Available diameter: 150 mm	CEL-DRW	

Accessory	Product Number	Illustration
Ring Lights Available diameters: 42-210 mm	CEL-RH	
Low-Angle Ring Lights Available lengths: 75-120 mm	CEL-RL	

Cables

Note: Cables are sold separately.

For more information on which cables to use for your setup, see [Choosing the Cables on page 19](#) and [Determining the Cable Length on page 20](#).

Accessory	Product Number	Illustration
Auxiliary power cable	IVSL-5PM12-xx (xx specifies length in meters: 5, 10, 15)	
Light Extension Cable, M12, 5 pin	CCB-M12-5P-x (x specifies length in meters: 1, 5)	
Light Extension Cable, M12, 5 pin, 0.3 m	IVSL-5PM12-J300	

Accessory	Product Number	Illustration
Y-Cable for In-Sight 6900, Standard Resolution (25 MP and below) M12 5-pin to M8 6-pin	CCB-Y-AS-1	
Y-Cable for In-Sight 6900, High Resolution (65 MP) M12 5-pin to M8 6-pin	CCB-Y-AS-2	

Supporting Documentation

This document provides basic information about the Cognex Multi-Light Hub light controllers. Additional information is available through the Windows **Start** menu or the In-Sight Vision Suite **Help** menu after you install the In-Sight software on your PC.

Software Documentation

For In-Sight software documentation, visit: <https://support.cognex.com/en/documentation/in-sight/in-sight-vision-suite>

- The ***In-Sight Vision Suite Help*** document provides information for using the main In-Sight Vision Suite device management interface.
- The ***In-Sight EasyBuilder Help*** document provides information for using the simplified EasyBuilder job configuration environment. This document only supports 2D applications.
- The ***In-Sight Spreadsheet Help*** document provides information for using the flexible Spreadsheet job configuration environment. This document only supports 2D applications.
- The ***In-Sight 3D EasyBuilder Help*** document provides information for using the simplified 3D EasyBuilder job configuration environment. This document supports 3D applications.
- The ***In-Sight 3D Spreadsheet Help*** document provides information for using the flexible 3D Spreadsheet job configuration environment. This document supports 3D applications.

Hardware Documentation

The Cognex Multi-Light Hub supports the following vision systems:

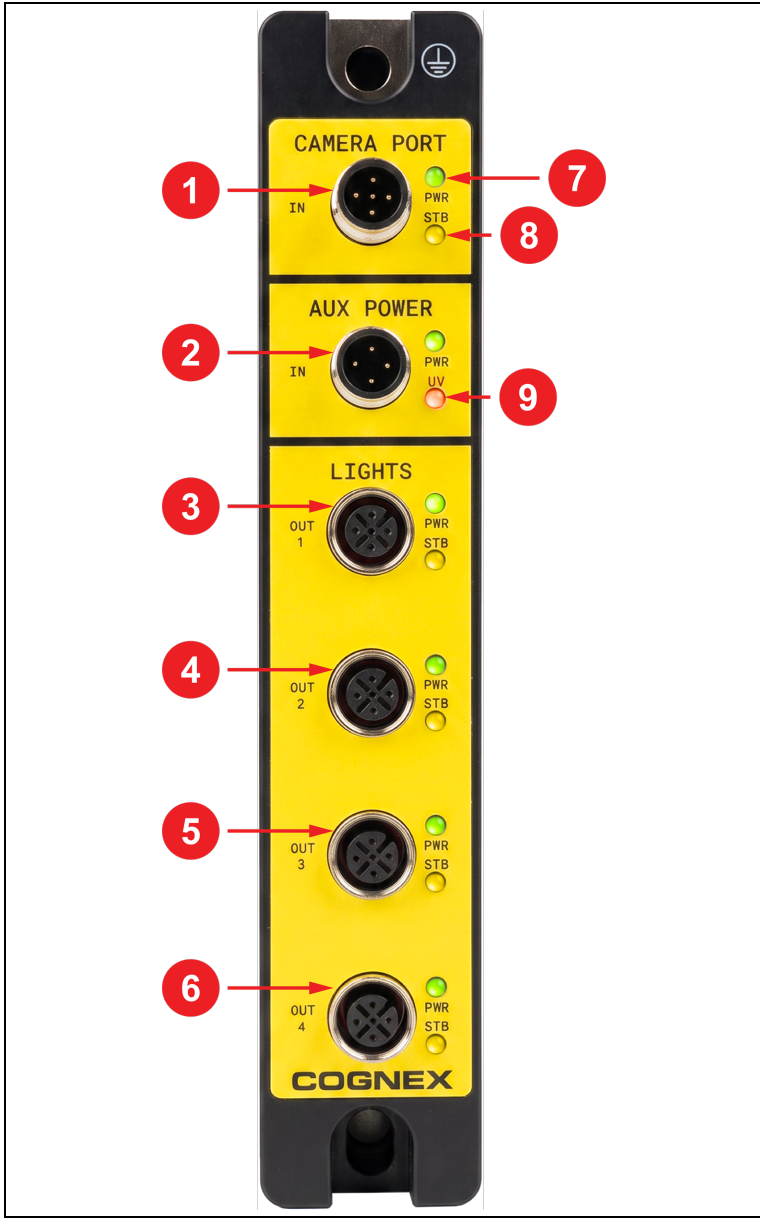
- In-Sight 3800 series vision systems: <https://support.cognex.com/products/in-sight-3800>
- In-Sight 3900 series vision systems: <https://support.cognex.com/products/in-sight-3900>
- In-Sight 6900 vision controllers: <https://support.cognex.com/products/in-sight-6900-vision-controller>

Setting Up Your Cognex Light Controller

Read this section to learn how the light controller connects to its standard components and accessories.

Cognex Multi-Light Hub Layout

The image and table below shows the elements of the light controller.

		Number	Description
1	CAMERA PORT IN	1	Camera port
2	AUX POWER IN	2	Auxiliary power port
3	LIGHTS OUT 1	3	External light port 1
4	LIGHTS OUT 2	4	External light port 2
5	LIGHTS OUT 3	5	External light port 3
6	LIGHTS OUT 4	6	External light port 4
7	PWR LEDs	7	Power LEDs
8	STB LEDs	8	STROBE LEDs
9	UV LED	9	Undervoltage LED

Indicator LEDs

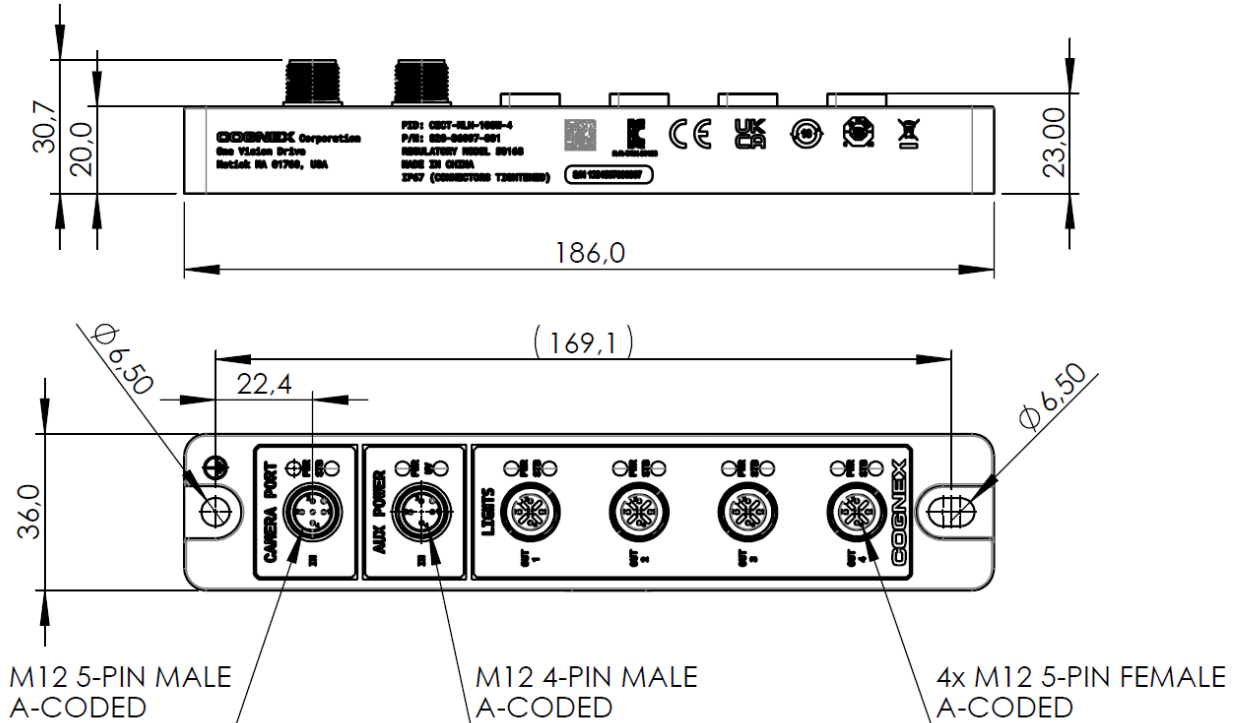
The table summarizes the functions of the indicator LEDs of the light controller:

Port	Indicator	Color/Status	Meaning
Camera Port	PWR: power	GREEN	The green LED is on when power from the vision system or vision controller is present.
	STB: strobe	YELLOW, blinking	The yellow LED is blinking when the strobe signal is high.
Auxiliary Power Port	PWR: power	GREEN	The green LED is on when the light controller is supplied with auxiliary power.
	UV: undervoltage	RED	The red LED is on when the voltage is under 18 V. The light stays on until the light controller is power cycled.
Light Ports from OUT 1 to OUT 4	PWR: power	GREEN	The green LED is on when the power is turned on for this port.
	STB: strobe	YELLOW, blinking	The yellow LED is blinking when the strobe signal is high.

Cognex Multi-Light Hub Dimensions

Note:


- Dimensions are in millimeters [inches] and are for reference purposes only.
- All specifications are for reference purposes only and can change without notice.



Mounting the Light Controller

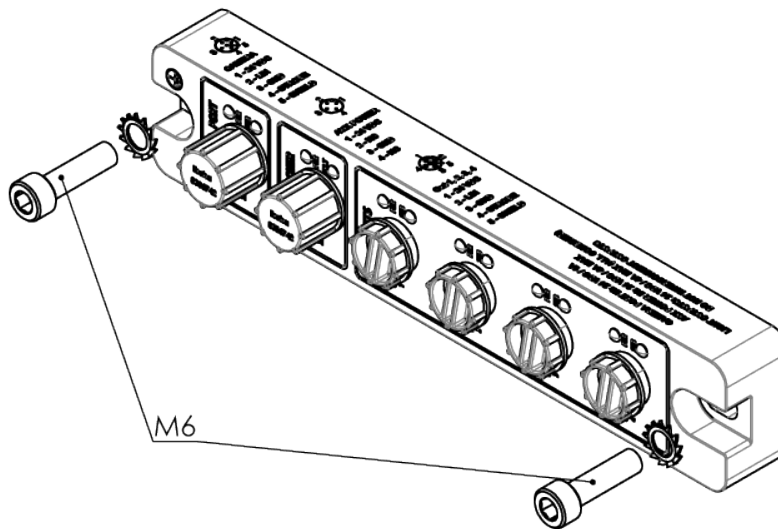
The light controller provides mounting holes for attachment to a mounting surface.

CAUTION: You must ground the light controller, either by mounting the light controller to a fixture that is electrically grounded or by attaching a wire from the mounting fixture on the light controller to frame ground or earth ground. If you use a ground wire, attach the wire to one of the four mounting points on the back plate of the light controller and not to the mounting points on the front of the light controller.

1. Align the holes on the mounting surface with the mounting holes on the light controller. The Cognex Multi-Light Hub has a mounting hole at each end of the housing:



2. Place the washers on the M6 screws and insert the M6 screws into the mounting holes.



Setting Up the Lights

The light controller can connect up to four lights with the following In-Sight vision controllers and vision systems:

- In-Sight 6900 series vision controller
- In-Sight 3800 series vision systems
- In-Sight 3900 series vision systems

The following sections provide diagrams that show how lights are connected to vision systems or vision controllers and the light controller.

Note:

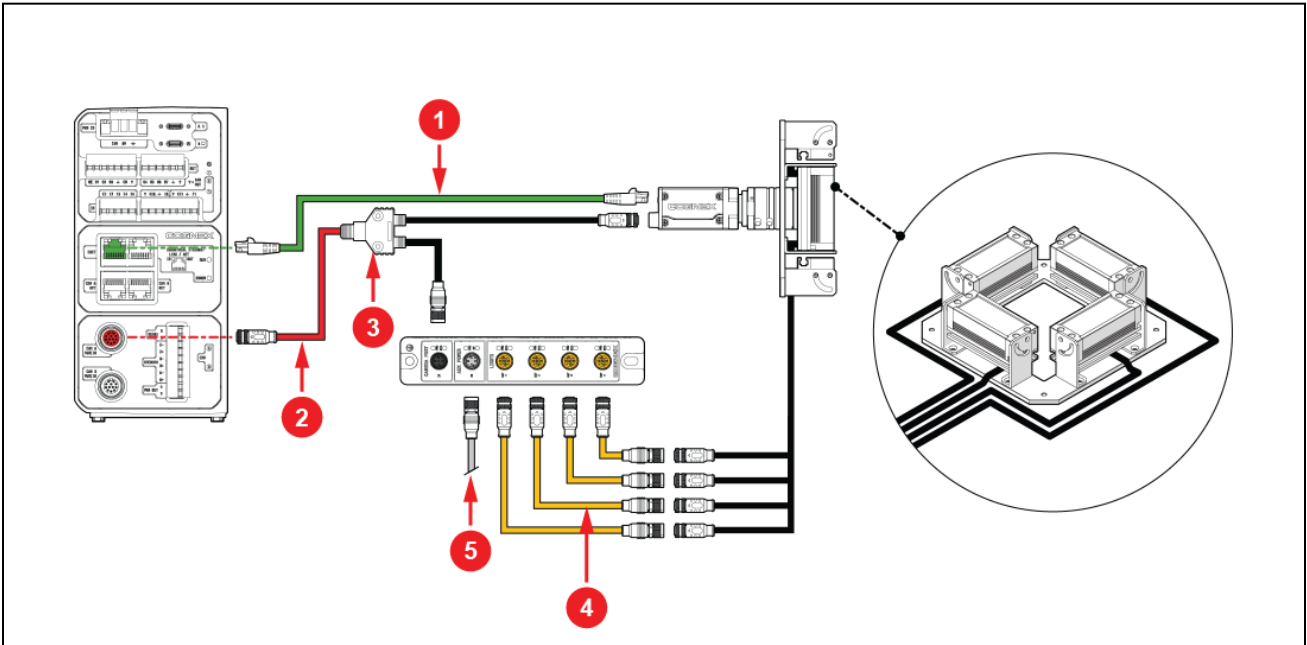
The tables include the general name of the cables that include different lengths, right or straight angle cable connectors, and different variants. For more information on how to choose the cables, see the following sections:



- [Cables on page 9](#)
- [Choosing the Cables on page 19](#)
- [Determining the Cable Length on page 20](#)

Connecting the Light Controller with In-Sight 6900

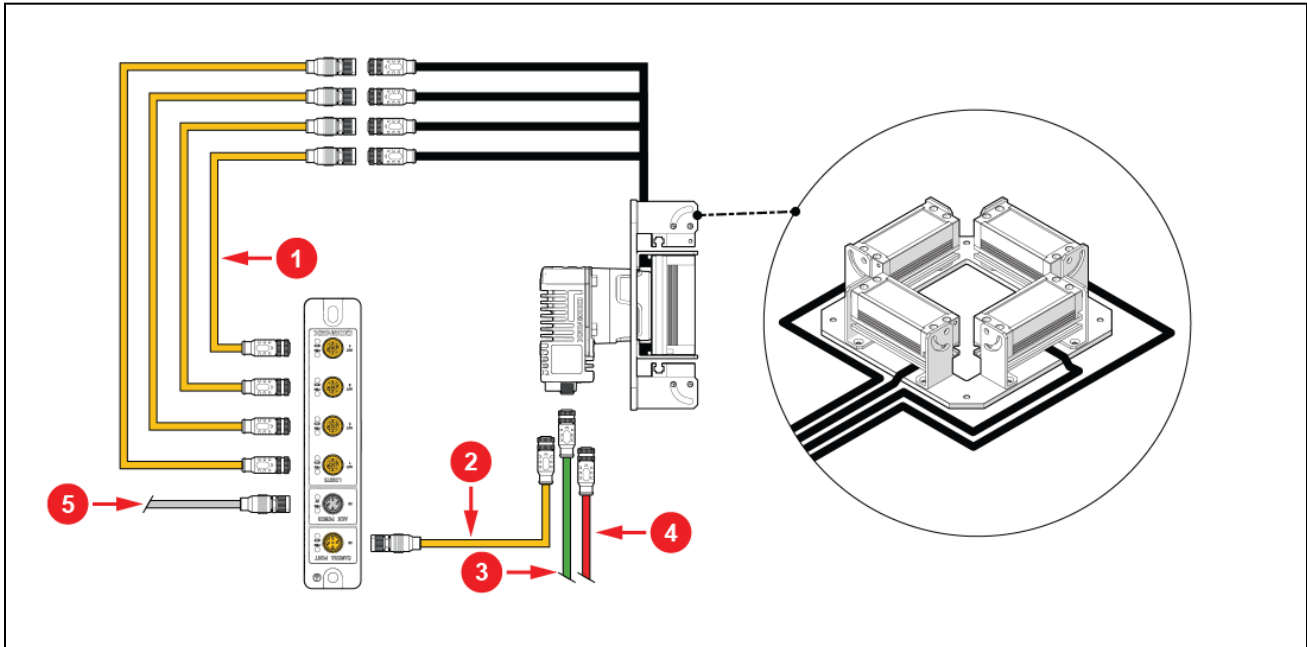
Note: The following illustration shows only one example with four connected lights. You can connect any number of lights, up to four.



Number	Cable	Connection
1	Ethernet cable CGE-CBL-FLEX-H series	Connects the In-Sight 6900 vision controller with the vision system.
2	CAM IO cable CCB-M12-12P5P series	Connects the In-Sight 6900 vision controller with a y-cable.
3	Y-cable CCB-Y-AS-1 or CCB-Y-AS-2	Connects the In-Sight 6900 vision controller with the vision system and the camera port of light controller.
4	Light extension cables CCB-M12-5P series or IVSL-5PM12-J300	Connects the light ports of light controller with the lights.
5	Auxiliary power cable IVSL-5PM12 series	Provides auxiliary power to the light controller.

Connecting the Light Controller with In-Sight 3800 and In-Sight 3900

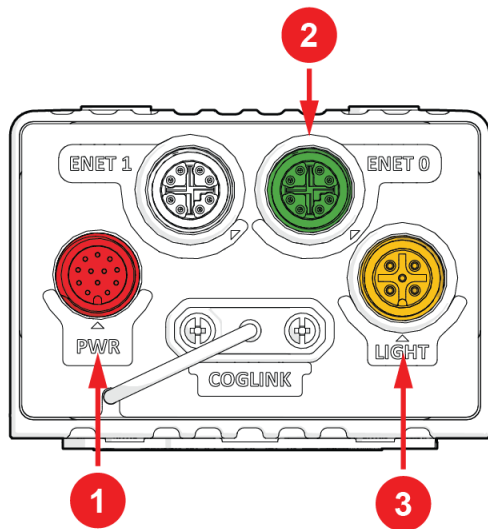
Note: The following illustration shows only one example with four connected lights. You can connect any number of lights, up to four.



Number	Cable	Connection
1	Light extension cables ¹ CCB-M12-5P series or IVSL-5PM12-J300	Connects the light ports of light controller with lights.
2	Light extension cable ¹ CCB-M12-5P series or IVSL-5PM12-J300	Connects the camera port of light controller with the vision system.
3	Ethernet cable CCB-84901-2 series	Connects the vision system to the network.
4	Power and I/O breakout cable CCB-PWRIO series	Provides power to the vision system.
5	Auxiliary power cable IVSL-5PM12 series	Provides auxiliary power to the light controller.

The following table and illustration shows the ports of the In-Sight 3800 and In-Sight 3900 vision system and the connections with the cables corresponding to the numbers in the preceding table:

¹ The light extension cables connecting the light controller with the lights and the light controller with the vision system are the same products. The cables might differ in length depending on the deployment.



Number	Connection
1	Connect the power and I/O breakout cable.
2	Connect the ethernet cable.
3	Connect the light extension cable from the light controller.

Choosing the Cables

Depending on your setup, there is a variety of cables you can choose from. The following factors determine which cables you need to use:

- Light extension cable length:
 - You can choose from different lengths depending on the distance between the position of the mounted light controller and lights.
 - The combined length of the cables between the vision system and the vision controller must be limited to avoid power loss. For more information, see [Determining the Cable Length on page 20](#)
- Auxiliary power cable: Cognex recommends using an auxiliary power cable in power-intensive applications and when long cables are used.

To see the cable specifications, see the individual hardware manuals of the vision system or vision controller you are connecting to the light controller.

Light Extension Cable Type

The following series of Cognex Ecosystem Lights can be connected to the light controller with the CCB-M12-5P series or the IVSL-5PM12-J300 light extension cables:

- CEL-BA
- CEL-BL
- CEL-CX
- CEL-DM3

- CEL-DQH
- CEL-RH
- CEL-DRW
- CEL-RL

Light Extension Cable Length

The following light extension cables are available in different cable lengths:

- CCB-M12-5P-1: 1 meter
- CCB-M12-5P-5: 5 meters
- IVSL-5PM12-J300: 300 millimeters

Auxiliary Power Cable

Without auxiliary power, the lights draw power from the vision system or vision controller, which might not be enough to power multiple or high-power lights. Additionally, the supplied voltage can drop over long cables and using auxiliary power can compensate for this.

Connect an auxiliary power cable to the light controller in the following scenarios:

- The power drawn from the lights for each strobe or trigger exceeds the power output of the vision system or vision controller. With auxiliary power, the limit for the combined power consumption of the lights is 96 W. For more information, see [Light Control on page 24](#).
- The positioning of the light controller and the connected devices require long cables. For more information, see [Determining the Cable Length on page 20](#).

The following auxiliary power cables are available:

- IVSL-5PM12-05: 5 meters
- IVSL-5PM12-10: 10 meters
- IVSL-5PM12-15: 15 meters

Determining the Cable Length

If the overall length of cables between the power source and the Cognex Ecosystem Lights exceeds a certain length, voltage drop can occur. In that case, the voltage reaching the light might not be sufficient and can cause the lights to not function correctly.

This section gives recommendations for individual cable lengths to ensure that the Cognex Ecosystem Light receive sufficient power and run correctly. The recommended combined cable length is different for each vision system or the In-Sight 6900 vision controller without the auxiliary power, because their power output differs.

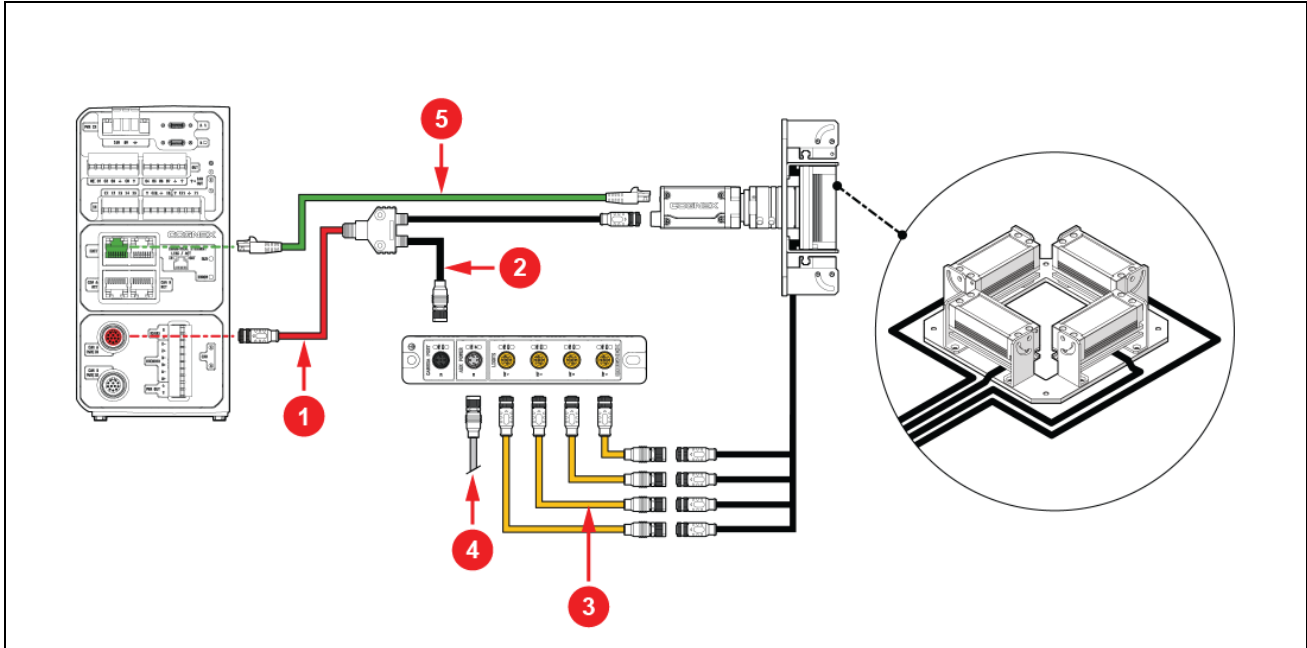


Tip: Using the auxiliary power, any available light extension cable can be used without exceeding the recommended cable length.

In-Sight 6900

In a usual setup with a In-Sight 6900 vision controller and the light controller, there are three cables between the power source and the Cognex Ecosystem Light that need to be considered:

- CAM IO Cable: CCB-M12-12P5P series
- Y-Cable: CCB-Y-AS-1 or CCB-Y-AS-2, the cable connecting the vision controller and the light controller
- Light extension cable: CCB-M12-5P series or IVSL-5PM12-J300



Number	Cable	Recommended Length Without Auxiliary Power	Recommended Length With Auxiliary Power
1	CAM IO cable	Up to 5 meters	Up to 20 meters
2	Y-cable	Up to 5 meters	Up to 5 meters
3	Light extension cables	Up to 5 meters	Up to 5 meters
4	Auxiliary power cable	The cable length is not relevant for providing sufficient power to the Cognex Ecosystem Lights.	
5	Ethernet cable		

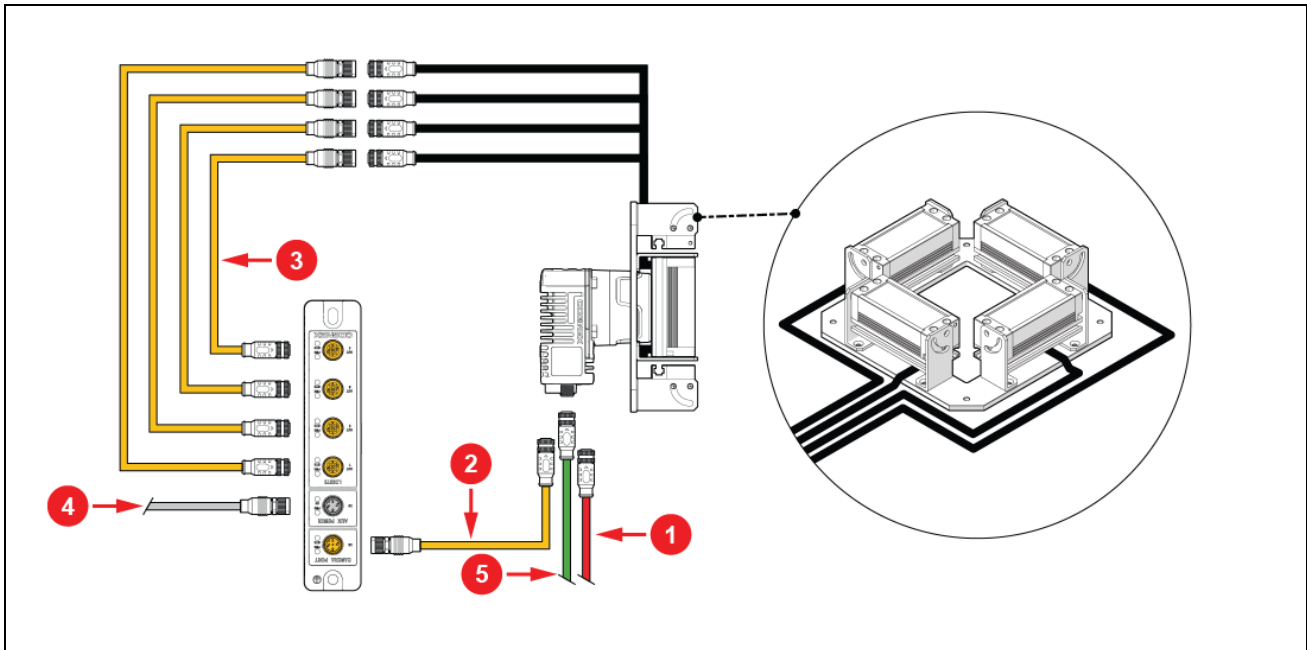
Note:

i The combined of length of the cables called out by the numbers 1, 2, and 3 in the preceding table must not exceed 16 meters without auxiliary power. If you need to use, for example, a CAM IO or Power and I/O breakout cable with 10 meters of length then you need to reduce length of the light extension cables to 1 meter.

In-Sight 3800 and 3900

In a usual setup with a In-Sight 3800 vision system or a In-Sight 3900 vision system, and the light controller, there are three cables between the power source and the Cognex Ecosystem Light that need to be considered:

- Power and I/O breakout cable: CCB-PWRIO series
- Light extension cable: CCB-M12-5P series or IVSL-5PM12-J300, the cable connecting the vision system and the light controller
- Light extension cable: CCB-M12-5P series or IVSL-5PM12-J300, the cable connecting the light controller and the lights



Number	Cable	Recommended Length Without Auxiliary Power	Recommended Length With Auxiliary Power
1	Power and I/O breakout cable	Up to 5 meters	Up to 15 meters
2	Light extension cable	Up to 5 meters	Up to 5 meters
3	Light extension cables	Up to 5 meters	Up to 5 meters
4	Auxiliary power cable	The cable length is not relevant for providing enough power to the Cognex Ecosystem Lights.	
5	Ethernet cable		

Note:

i The combined of length of the cables called out by the numbers 1, 2, and 3 in the preceding table must not exceed 16 meters without auxiliary power. If you need to use, for example, a CAM IO or Power and I/O breakout cable with 10 meters of length then you need to reduce length of the light extension cables to 1 meter.

Connecting the Camera Cable

To connect the light controller to your vision system:

1. Verify that your light controller is unplugged and not receiving power.

CAUTION:

The light controller can receive power from two sources, the vision system or the auxiliary power, so make sure that the light controller is not receiving power from any source.

2. Connect the male M12 connector to the vision system.
3. Connect the female M12 connector to the light controller.
4. Restore power to the vision system.

Connecting the Auxiliary Power Cable



CAUTION: To reduce emissions, connect the far end of the auxiliary power cable shield to frame ground.

Note:

- Perform wiring or adjustments to I/O devices when the light controller is not receiving power.
- You can clip unused wires short or use a tie made of non-conductive material to tie them back. Keep bare wires separated from the +24 V DC wire.
- Connecting the auxiliary power cable is optional. For more information, see [Choosing the Cables on page 19](#).



1. Verify that the 24 V DC power supply is unplugged and not receiving power.
2. Attach the +24 V DC connector of the auxiliary power cable and Ground wires to the corresponding terminals on the power supply. For more information, see [Specifications on page 28](#).



CAUTION: Never connect voltages other than 24 V DC. Always observe the polarity shown.

3. Attach the M12 connector of the auxiliary power cable to the AUX POWER connector of the light controller.
4. Restore power to the 24 V DC power supply and turn it on if necessary.

Connecting the Illumination Cables

To connect your lights to your light controller:

1. Verify that the light controller is unplugged and not receiving power.

CAUTION:

The light controller can receive power from two sources, the vision system or the auxiliary power, so make sure that the light controller is not receiving power from any source.

2. Connect the male M12 connector to one of the illumination ports on the light controller.
3. Connect the female M12 connector to the Smart Light.
4. Restore power to the light controller.

Using Your Cognex Light Controller

This section provides information on the installation of the In-Sight Vision Suite and how to monitor the power consumption of the connected Cognex Ecosystem Lights.

Install In-Sight Vision Suite

Follow the steps below to install and connect your light controller and vision system to the In-Sight Vision Suite.

1. Download the latest version of the In-Sight Vision Suite from support.cognex.com/ and follow the on-screen steps.

 **Note:** In-Sight Vision Suite 26.2.0 is the first version to support the Cognex Multi-Light Hub light controller.

2. Connect the Multi-Light Hub series light controller to your vision system.
3. Connect your vision system to your PC.
4. Launch the In-Sight Vision Suite and click **Refresh**.
5. Select a vision system from the list and click **Connect**.

Light Control

The light controller supports connecting up to four lights. When using auxiliary power, the power used by simultaneously strobed lights cannot exceed 96 W. If the total power consumption of the connected lights exceed 96 W, you must strobe lights separately.

Power consumption varies with the attached lights and the light intensity set in In-Sight Vision Suite.

Use In-Sight Vision Suite to monitor the power consumption of the light controller.

WARNING:

Consider the following when using the light controller:



- Although the light controller is rated to handle inrush currents up to 5 A (120 W), consistently drawing more than 96 W with auxiliary power can damage the light controller. Do not run the light controller at this power level for an extended duration.
 - If you use power from an In-Sight vision system, do not to exceed the rated power of that vision system. Exceeding the rated power of the vision system can cause the light controller or the vision system to reboot.
-

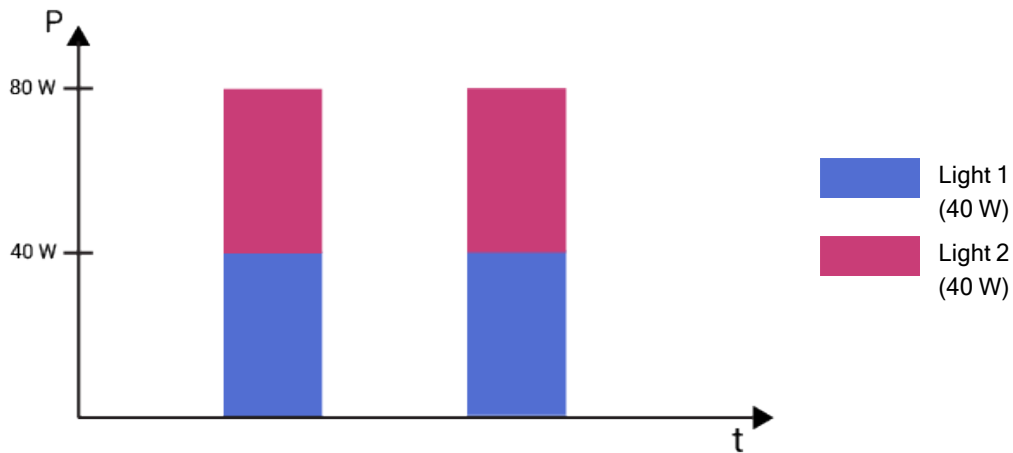
Examples

Example 1: One connected light

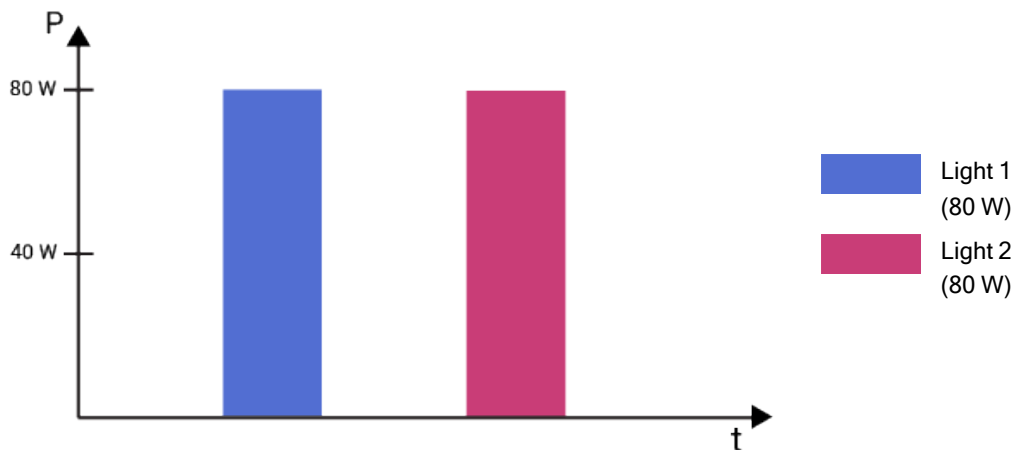
The connected light can draw power up to 96 W with each strobe.

Example 2: Two connected lights

If you have two connected lights, the two lights can be strobed together if their combined power consumption does not exceed 96 W. The following diagram shows two strobes with one image acquisition, where each light consumes 40 W of power and are strobed together, twice. Their combined power consumption with each strobe is 80 W:

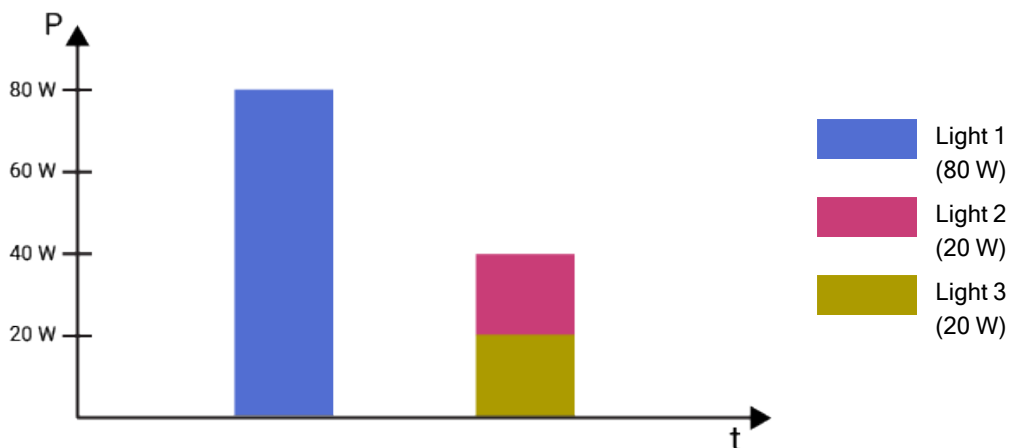


If the power consumption of each light is 80 W, you cannot strobe them together. The following diagram shows two strobes with one image acquisition, the two lights strobed after sequentially:

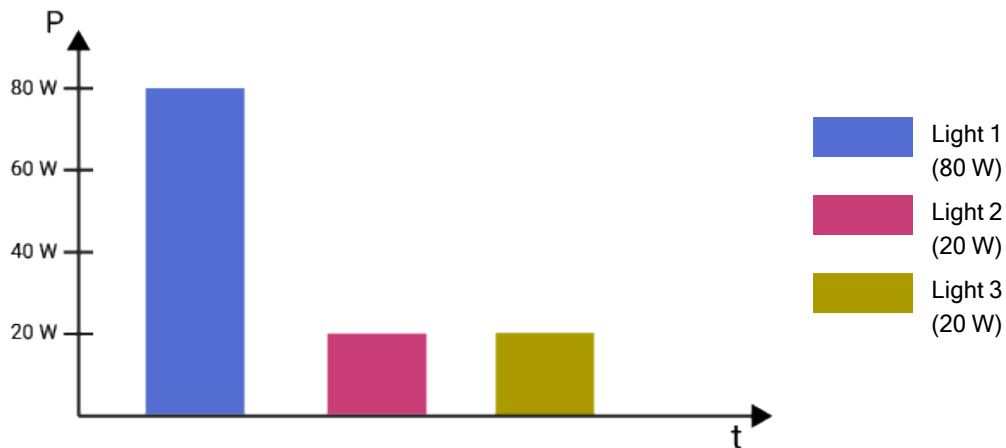


Example 3: Three connected lights

The power consumption of the connected lights is 80 W for one light and 20 W each for the two other lights. You can strobe the light with 80 W consumption separately, and the two lights with 20 W consumption together in a two-step sequence. The following diagram shows two strobes, the first strobe using the light with 80 W consumption, and the second strobe using the two other lights with a combined power consumption of 40 W:



You can strobe each light separately in a three-step sequence. The following diagram shows three strobes, each light strobed separately:

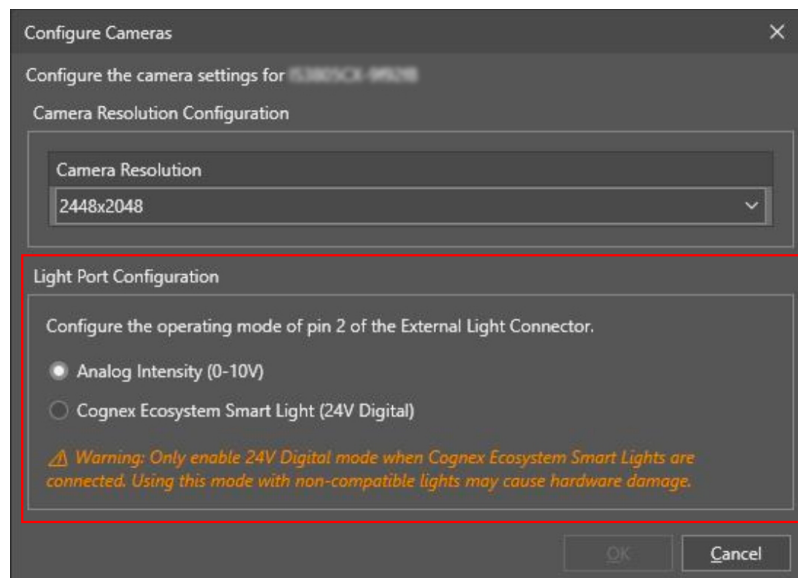


Monitoring Power Consumption in In-Sight Vision Suite

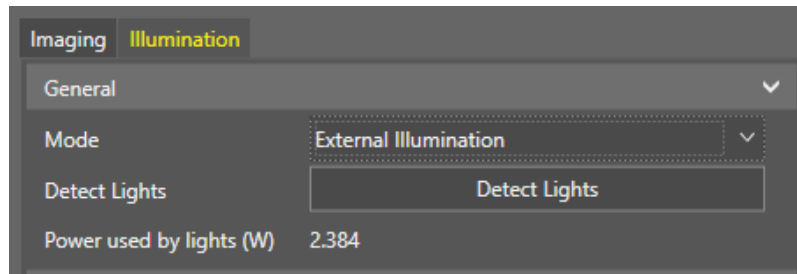
To ensure that the total power consumption per strobe does not exceed 96 W, monitor the power consumption of the light controller in In-Sight Vision Suite when setting up the lights.

To monitor power consumption, do the following:

1. Launch In-Sight Vision Suite.
2. Select the vision system or vision controller connected to the light controller from the Device Pane.
3. Open the **Camera Configuration** utility and set the **Light Port Configuration** to **Cognex Ecosystem Smart Light (24 V Digital)**.



4. Open the vision system or vision controller in Spreadsheet view or EasyBuilder view and open the acquisition settings:
 - Spreadsheet: Open the **Acquisition** panel on the right-hand side of the window.
 - EasyBuilder: In the **Image** application step, click the cogwheel button in the Image pane on the right-hand side of the window to access the **Advanced Acquisition Settings**.
5. Under the **Illumination** tab, the **Power used by lights (W)** row shows the current power consumption of the connected lights in watts. In case you have multiple Cognex Ecosystem Lights connected to the light controller, the value is the combined power consumption of the Cognex Ecosystem Lights at the current step. If you have multiple steps in a sequence, the value is updated at every step.



Specifications

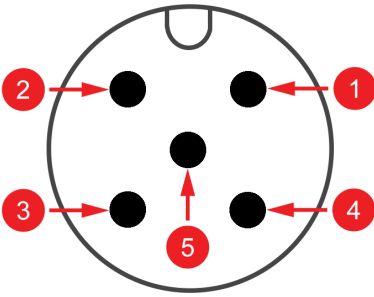
The following sections list general specifications for the light controller.

Cognex Multi-Light Hub Series Light Controller

Specification	Model
Weight	230 g
Power	External LPS or NEC Class 2 power supply: 24 V DC +/- 10%
Power Output	<= 96 W with all four illumination connectors used together
Light Connector	Output Voltage: 24 V DC
	Maximum Average Current: All four illumination connectors combined: • Without auxiliary power: 1 A • With auxiliary power: 4 A
	Peak Operating Current: • Without auxiliary power: 1.5 A / 100 us max / not to exceed 1 A average • With auxiliary power: 5 A / 100 us max / not to exceed 4 A average
Case Temperature	Up to 85° C according to IEC61010-1 unintentional contact
Operating Temperature	0° C to 40° C (32° F to 104° F)
Storage Temperature	-20° C to 80° C (-4° F to 176° F)
Humidity	< 95% non-condensing
Protection	IP67 with all cables properly attached (or the provided connector plug installed)
Shock (Shipping and Storage)	IEC 60068-2-27: 3000 shocks (500 shocks in each polarity in each (X, Y, Z) axis) 11 g at 10 ms, half-sinusoidal, with cables or cable plugs attached.
Vibration (Shipping and Storage)	IEC 60068-2-6: vibration test in each of the three main axis for 2 hours at 10 Gs (10 to 500 Hz at 100 m/s ² / 15 mm) with cables or cable plugs.
RS-232	RxD, TxD according to TIA/EIA-232-F

Camera Connector

The camera connector connects the Multi-Light Hub to the light port of the vision system.

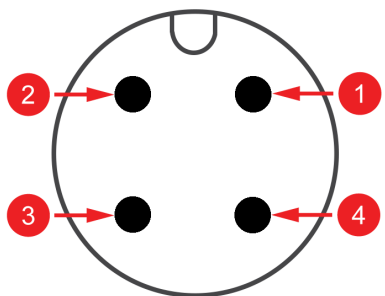
Specification	Description
Connector type	M12, 5 pin, male, A-coded
Input voltage	24 V
Input current	1A
Pinout	
	
Pin	Signal
1	24 V DC
2	Light Control
3	GND
4	STROBE
5	SHIELD

- Note:
 - Cables are sold separately.
- i

 - Perform wiring or adjustments to I/O devices when the light controller is not receiving power.
 - You can cut exposed wires short or trim wire ends. You also can tie the wires back if you use a tie made of non-conductive material. Keep bare wires separated from the +24 V DC wire.

Auxiliary Power Connector

The auxiliary power connector provides power to the connected lights if connected.

Specification	Description
Connector type	M12, 4 pin, male, A-coded
Input voltage	24 V
Maximum average power	100 VA (4 A)
Specification	LPS NEC Class II
Pinout	
	
Pin	Signal
1	24 V DC
2	NC
3	GND
4	NC

Note:

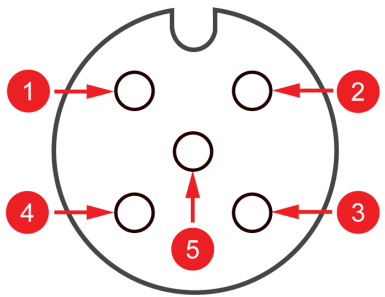
- Cables are sold separately.



- Perform wiring or adjustments to I/O devices when the light controller is not receiving power.
- You can cut exposed wires short or trim wire ends. You also can tie the wires back if you use a tie made of non-conductive material. Keep bare wires separated from the +24 V DC wire.

Illumination Connectors

The illumination connectors allow you to connect external lights to the Multi-Light Hub.

Specification	Description
Connector type	M12, 5 pin, female, A-coded
Maximum average output current	4 A with aux power and only one illumination flashing
Peak output current	5 A
Pinout	
	
Pin	Signal
1	24 V DC
2	Light Control
3	GND
4	STROBE
5	SHIELD

Note:

- Cables are sold separately.



- Perform wiring or adjustments to I/O devices when the light controller is not receiving power.
- You can cut exposed wires short or trim wire ends. You also can tie the wires back if you use a tie made of non-conductive material. Keep bare wires separated from the +24 V DC wire.

Cleaning and Maintenance

Clean the Housing

To clean the outside of the light controller housing, use a small amount of mild detergent cleaner or isopropyl alcohol on a cleaning cloth. Do not pour the cleaner on the light controller housing.



CAUTION: Do not attempt to clean any In-Sight product with harsh or corrosive solvents, including lye, methyl ethyl ketone (MEK) or gasoline.

Regulations and Conformity

Note: For the most current CE and UKCA declaration and regulatory conformity information, see the Cognex support site: cognex.com/support.

Safety and Regulatory	
Manufacturer	Cognex Corporation One Vision Drive Natick, MA 01760 USA
	Model Name: REGULATORY MODEL 50168 This is a class A product. In a domestic environment this product may cause radio interference in which case the user may be required to take immediate measures. This equipment complies with the essential requirements of the EU Directive 2014/30/EU. Declarations are available from your local representative.
EU RoHS	Compliant to the most recent applicable directive.
FCC	FCC Part 15, Class A This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.
Korea 	REGULATORY MODEL 50168: R-R-CGX-50168 This device is certified for office use only and if used at home, there can be frequency interference problems.
cTÜVus	REGULATORY MODEL 50168
	TÜV SÜD SCC/NRTL OSHA Scheme for UL/CAN 61010-1.
	CB report available upon request. TÜV SÜD, IEC/EN 61010-1.

中国大陆RoHS (Information for China RoHS Compliance)

根据中国大陆《电子信息产品污染控制管理办法》(也称为中国大陆RoHS), 以下部份列出了本产品中可能包含的有毒有害物质或元素的名称和含量。



Part Name 部件名称	Hazardous Substances 有害物质					
	Lead (Pb) 铅	Mercury (Hg) 汞	Cadmium (Cd) 镉	Hexavalent Chromium (Cr (VI)) 六价铬	Polybrominated biphenyls (PBB) 多溴联苯	Polybrominated diphenyl ethers (PBDE) 多溴二苯醚
Regulatory Model 50168	X	O	O	O	O	O

This table is prepared in accordance with the provisions of SJ/T 11364.

这个标签是根据 SJ / T 11364 的规定准备的。

O: Indicates that said hazardous substance contained in all of the homogeneous materials for this part is below the limit requirement of GB / T26572 - 2011.

表示本部件所有均质材料中含有的有害物质低于 GB / T26572 - 2011 的限量要求。

X: Indicates that said hazardous substance contained in at least one of the homogeneous materials used for this part is above the limit requirement of GB / T26572 - 2011.

表示用于本部件的至少一种均质材料中所含的危害物质超过 GB / T26572 - 2011 的限制要求。

For European Community Users

Cognex complies with Directive 2012/19/EU OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 4 July 2012 on waste electrical and electronic equipment (WEEE).

This product has required the extraction and use of natural resources for its production. It may contain hazardous substances that could impact health and the environment, if not properly disposed.

In order to avoid the dissemination of those substances in our environment and to diminish the pressure on the natural resources, we encourage you to use the appropriate take-back systems for product disposal. Those systems will reuse or recycle most of the materials of the product you are disposing in a sound way.



The crossed out wheeled bin symbol informs you that the product should not be disposed of along with municipal waste and invites you to use the appropriate separate take-back systems for product disposal.

If you need more information on the collection, reuse, and recycling systems, please contact your local or regional waste administration.

You may also contact your supplier for more information on the environmental performance of this product.

