



## WIRING FLOW DIAGRAM



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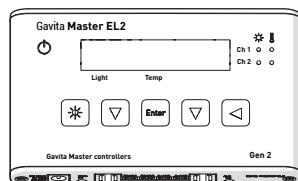
# Gavita 1700e LED and 900e LED Wiring Flow Diagram

**Gavita Master Controller EL1 - Gen 2**

HGC906120

**Gavita Master Controller EL2 - Gen 2**

HGC906121



**COMMUNICATION CABLE (See notes):**

HGC906717

HGC906716

**POWER: 120-277 V**



**POWER CABLE:**

HGC906147

HGC906148

HGC906458

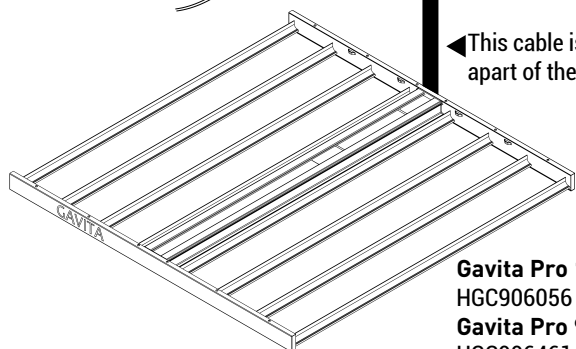
**Gavita e-Series adapter**

HGC906151

Wieland rst 16i5

6ft cable included with e-series adapter (see Notes)

◀ This cable is  
apart of the adapter



**Gavita Pro 1700e LED**

HGC906056

**Gavita Pro 900e LED**

HGC906461

**POWER: 120-277 V**



**POWER CABLE:**

HGC906147

HGC906148

HGC906458

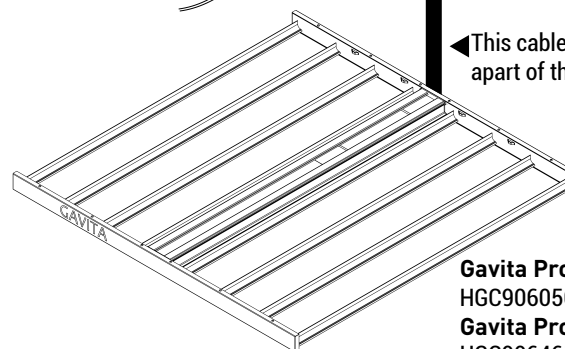
**Gavita e-Series adapter**

HGC906151

Wieland rst 16i5

▶ ▶ ▶ ▶ UP TO 500/CHANNEL

◀ This cable is  
apart of the adapter



**Gavita Pro 1700e LED**

HGC906056

**Gavita Pro 900e LED**

HGC906461

## Notes:

- This communication cable is sold separately from the controller and fixture, needs to be ordered individually
- Only 1x HGC906717/716 is required per Channel
- Power cables need to be ordered separate from the fixture
- Every fixture needs an e-series adapter. Sold separately from fixture
- Each e-series adapter comes with a 6ft communication cable, if longer is needed there are 2 options
  - HGC906711 (10ft cable)
  - HGC906712 + HGC906719 + HGC906720 (80ft cable + RJ45 terminal + Cable crimper) to make custom lengths
- Controller can be any 0-10V signal from a 3rd party controller of Building Automation System.  
Talk to Tech Services about ON/OFF dimming protocol/voltages

## Cable included with e-Series adapter:

HGC906719 - Gavita e-Series LED Adapter  
Interconnect Cable Terminals RJ45 6 Pack

HGC906712 - Gavita e-Series LED Adapter  
Interconnect Cable 80ft Kit (Includes 6 RJ45 Terminals)

HGC906711 - Gavita E-Series LED Adapter  
Interconnect Cable 10ft RJ45 to RJ45

HGC906720 - Interconnect Cable Crimper

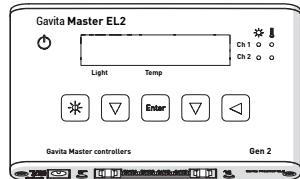
# Gavita CT 1930e LED Wiring Flow Diagram

Gavita Master Controller EL1 - Gen 2

HGC906120

Gavita Master Controller EL2 - Gen 2

HGC906121



**RJ9 COMMUNICATION CABLE (See notes):**

HGC906717  
HGC906716

POWER: 120-277 V

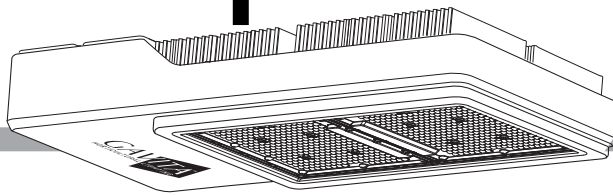


**POWER CABLE:**

HGC906147  
HGC906148  
HGC906458

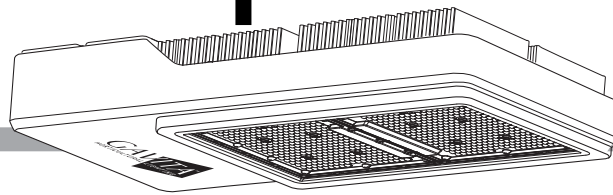
Wieland rst 16i5

RJ45



**Gavita CT 900e LED**  
HGC9060740

RJ45



**Gavita CT 900e LED**  
HGC9060740

UP TO 2000/CHANNEL

6ft cable included with CT 1930e fixture (see Notes)

## Notes:

- Controller can be any 0-10V signal from a 3rd party controller or Building Automation System. Talk to Tech Services about ON/OFF dimming protocol/voltages
- This communication cable is sold separately from the controller and fixture, needs to be ordered individually
- Only one HGC906717/716 is required per Channel
- Power cables need to be ordered separate from the fixture
- Each CT1930e comes with a 6ft communication cable, if longer is needed there are a few options
  - HGC906722 new premium 10ft cable.
  - HGC906711 (10ft cable) - this is the non premium version, limits daisy chain to 500
  - HGC906712 + HGC906719 + HGC906720 (80ft cable + RJ45 terminal + Cable crimper) to make custom lengths. Limits daisy chain to 500.
  - Customer can buy standard ethernet cables that follow T568B configuration, or make custom lengths with Cat5/6 cables with RJ45 caps. 2000 daisy chain

## Cable included with e-Series adapter:

HGC906719 - Gavita e-Series LED Adapter  
Interconnect Cable Terminals RJ45 6 Pack

HGC906712 - Gavita e-Series LED Adapter  
Interconnect Cable 80ft Kit (Includes 6 RJ45 Terminals)

HGC906711 - Gavita e-Series LED Adapter  
Interconnect Cable 10ft RJ45 to RJ45

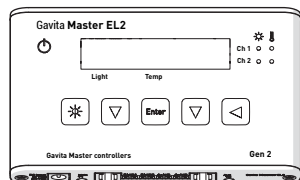
HGC906722-01 - Gavita e-Series LED Adapter Premium  
Interconnect Cable 10ft RJ45 to RJ45

HGC906720 - Interconnect Cable Crimper

# Gavita e-Series HPS 277-347 V Wiring Flow Diagram

Gavita Master Controller EL1 - Gen 2  
HGC906120

Gavita Master Controller EL2 - Gen 2  
HGC906121



**RJ9 COMMUNICATION  
CABLE 25 ft included  
with controller (See notes):**  
CB6633221  
CB6633610

POWER: 277-347 V



**POWER CABLE (See notes):**  
CB6863171  
CB883156  
CB688346

Wieland rst 2013

RJ14

**Gavita HPS:**  
HGC906098  
HGC906023  
HGC906072

RJ12

POWER: 277-347 V



**POWER CABLE (See notes):**  
CB6863171  
CB883156  
CB688346

Wieland rst 2013

RJ12

**Gavita HPS:**  
HGC906098  
HGC906023  
HGC906072

UP TO 500/CHANNEL

6ft cable included "BOXED" (see notes)

## Notes:

- Controller comes with a 25 ft cable for RJ9 to RJ14 connection (controller to fixture) but smaller lengths can be purchased
- RJ12 to RJ12 cables are included with boxed fixtures, (6ft). Longer 10ft cables can be purchased or if buying fixture in bulk.
- Boxed fixtures include a 3ft cable Bulk will require separate purchase of power cable
- Controller can be any 0-10V signal from a 3rd party controller or Building Automation System. Talk to Tech Services about ON/OFF dimming protocol/voltages

## Bulk vs Boxed:

In Bulk packaging, only the fixture with reflector and lamp is included. You will need to order power cord, communication cables, and mounting hardware.

## Cable included with e-Series adapter:

CB6626321 - Gavita Interconnect Cable for Repeater  
Bus Gray 6P6C 2 m/6.5 ft

CB6626531 - Gavita Interconnect Cable for Repeater  
Bus Gray 6P6C 3 m/10 ft

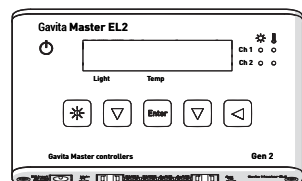
HGC906170 - Gavita Repeater Bus Connection Kit

HGC906720 - Interconnect Cable Crimper



# Gavita e-Series SL and CMH Wiring Flow Diagram

Gavita Master Controller EL1 - Gen 2  
HGC906120  
Gavita Master Controller EL2 - Gen 2  
HGC906121



**RJ9 COMMUNICATION  
CABLE 25 ft included  
with controller (See notes):**  
CB6633221  
CB6633610

**POWER: 208-240 V**



**POWER CABLE**  
Included with fixture (See notes):  
HGC906051

IEC320C13

RJ14

**Gavita HPS/CMH:**  
HGC906097  
HGC906117  
HGC906048  
HGC906049

RJ12

6ft cable included "BOXED" (see notes)

**POWER: 208-240 V**



**POWER CABLE**  
Included with fixture (See notes):  
HGC906051

IEC320C13

RJ12

**Gavita HPS/CMH:**  
HGC906097  
HGC906117  
HGC906048  
HGC906049

UP TO 500/CHANNEL

## Notes:

- Only difference between the high voltage fixtures in the wiring configuration is the power cords used
  - High Voltage use higher voltage rating cords with Wieland Connectors
  - Low Voltage SL and CMH use IEC320C13
- Controller comes with a 25 ft cable for RJ9 to RJ12 connection (controller to fixture) but smaller lengths can be purchased
- RJ12 to RJ12, (6ft) included with fixture. Longer 10ft cables can be purchased
- Controller can be any 0-10V signal from a 3rd party controller or Building Automation System. Talk to Tech Services about ON/OFF dimming protocol/voltages

## Cable included with e-Series adapter:

CB6626321 - Gavita Interconnect Cable for Repeater  
Bus Gray 6P6C 2 m/6.5 ft

CB6626531 - Gavita Interconnect Cable for Repeater  
Bus Gray 6P6C 3 m/10 ft

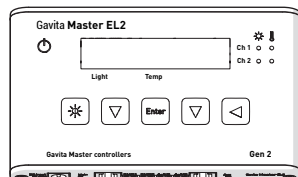
HGC906170 - Gavita Repeater Bus Connection Kit

HGC906720 - Interconnect Cable Crimper

# Gavita e-Series SL and CMH Wiring Flow Diagram

Gavita Master Controller EL1 - Gen 2  
HGC906120

Gavita Master Controller EL2 - Gen 2  
HGC906121



**RJ9 COMMUNICATION  
CABLE 25 ft included  
with controller (See notes):**  
CB6633221  
CB6633610

POWER: 208-240 V



**POWER CABLE**  
Included with fixture (See notes):  
HGC906051

IEC320C13

RJ14

RJ12

**Gavita HPS/CMH:**  
HGC906097  
HGC906117  
HGC906048  
HGC906049

POWER: 208-240 V



**POWER CABLE**  
Included with fixture (See notes):  
HGC906051

IEC320C13

RJ12

**Gavita HPS/CMH:**  
HGC906097  
HGC906117  
HGC906048  
HGC906049

6ft cable included "BOXED" (see notes)

UP TO 500/CHANNEL

## Notes:

- Only difference between the high voltage fixtures in the wiring configuration is the power cords used
  - High Voltage use higher voltage rating cords with Wieland Connectors
  - Low Voltage SL and CMH use IEC320C13
- Controller comes with a 25 ft cable for RJ9 to RJ12 connection (controller to fixture) but smaller lengths can be purchased
- RJ12 to RJ12, (6ft) included with fixture. Longer 10ft cables can be purchased
- Controller can be any 0-10V signal from a 3rd party controller or Building Automation System. Talk to Tech Services about ON/OFF dimming protocol/voltages

## Cable included with e-Series adapter:

CB6626321 - Gavita Interconnect Cable for Repeater  
Bus Gray 6P6C 2 m/6.5 ft

CB6626531 - Gavita Interconnect Cable for Repeater  
Bus Gray 6P6C 3 m/10 ft

HGC906170 - Gavita Repeater Bus Connection Kit

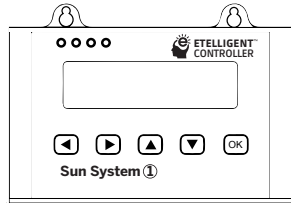
HGC906720 - Interconnect Cable Crimper



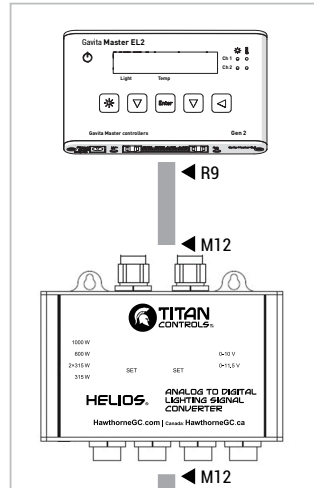
# SUN SYSTEM<sup>®</sup> COMMERCIAL FIXTURE

## WIRING FLOW DIAGRAM

Sun System 1 Etelligent  
Controller Kit  
HGC902245



3.5 mm jack



3.5 mm jack

POWER: 120-480 V



**POWER CABLE  
Included with  
fixture (See notes):**  
WC903081  
WC903082  
WC903083  
WC903084

POWER: 120-480 V



6ft cable included "BOXED" (see notes)

3.5 mm  
jack

3.5 mm  
jack

3.5 mm  
jack

UP TO  
200/CHANNEL

### Notes:

- On 277V+ fixtures the cable is hardwired. For the 120-240 the cable use IEC320C13 to attach to fixture and can be either 120V or 240V outlet prong.
- Included Cable is 6.5ft, Smart volt cables can be bought if longer lengths / extra needed
- 2x 16ft cables come with the controller (1 for each channel). Same cable that comes with the fixture
- 16ft - 3.5mm to 3.5mm cable included with each fixture. If customer needs shorter or longer, they can buy any standard 3.5mm audio jack cable
- The Helios Signal Converter allows customers to use their Gavita master controller or building automation system (BAS) to controller the fixtures. Converts standard 0-10V dimming to sun system digital signal
- Converter comes with:
  - 2x inputs (m12-m12) (20ft) one side needs to be spliced with either RJ9 cable for the gavita controller or spliced into the BAS.
  - 4x outputs (m12-3.5mm jack) (20ft) Each input controls 2 outputs (256 fixture / output)

# PART GLOSSARY



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# LIGHT FIXTURES



Part No.	Description
<b>HGC906461</b>	Gavita Pro 900e LED 120-277V
<b>HGC906056</b>	Gavita Pro 1700e LED 120-277 Volt
<b>HGC906151</b>	Gavita e-Series LED Adapter - 120 - 277 Volt
<b>HGC906740</b>	Gavita CT1930e LED 120-277V
<b>HGC906023</b>	Gavita Pro e-Series 6/750e DE Flex 277-347 Volt - Boxed
<b>HGC906038</b>	Gavita Pro 1000e DE 277-347 Volt US w/ HR96 Reflector - Bulk

Part No.	Description
<b>HGC906072</b>	Gavita Electronic 1000e DE 277-347 Volt w/ W 150 Reflector Bulk
<b>HGC906098</b>	Gavita Pro e-Series 1000e DE 277-347 Volt - Boxed
<b>HGC906097</b>	Gavita Pro SL 1000e DE 208-240V HR96 Reflector
<b>HGC906117</b>	Gavita Pro SL 1000e DE 208-240V W150 Reflector
<b>HGC906048</b>	Gavita CMH 315e 208-240 3100k Lamp
<b>HGC906049</b>	Gavita CMH 315e 208-240 4200k Lamp



Part No.	Description
<b>HGC906246</b>	Sun System Pro Sun LEC 315 120-240 Volt Etelligent Compatible - Lamp Not Included
<b>HGC906248</b>	Sun System Pro Sun LEC 315 277 Volt Etelligent Compatible - Lamp Not Included
<b>HGC906310</b>	Sun System Pro Sun LEC 630 Watt 120-240 Volt Etelligent Compatible - Lamp Not Included
<b>HGC906312</b>	Sun System Pro Sun LEC 630 Watt 277 Volt Etelligent Compatible - Lamp Not Included
<b>HGC906292</b>	Sun System Pro Sun DE 1000 Watt 120-240 Volt Etelligent Compatible w/Lamp
<b>HGC906293</b>	Sun System Pro Sun DE 1000 Watt 277 Volt Etelligent Compatible w/ Lamp

Part No.	Description
<b>HGC906308</b>	Sun System Pro Sun DE 1000 Watt 480 Volt Etelligent Compatible w/Lamp
<b>HGC906620/24</b>	Sun System 315 Watt LEC Boss Com 120-240 Volt w/Lamp
<b>HGC906622/25</b>	Sun System 315 Watt LEC Boss Com 277 Volt w/Lamp
<b>HGC906628/34</b>	Sun System 630 Watt LEC Boss Com 120-240 Volt w/Lamp
<b>HGC906630/36</b>	Sun System 630 Watt LEC Boss Com 277 Volt w/ Lamp
<b>HGC906610</b>	Sun System 1000 Watt DE Boss Commercial Fixture 120 - 240 Volt
<b>HGC906612</b>	Sun System 1000 Watt DE Boss Commercial Fixture 277 Volt
<b>HGC906613</b>	Sun System 1000 Watt DE Boss Commercial 480 Volt



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# POWER CORDS



Part No.	Description
<b>HGC906147</b>	Gavita 8 ft Power Cord 120 Volt for LED
<b>HGC906148</b>	Gavita 8 ft Power Cord 208-240 Volt for LED
<b>HGC906458</b>	Gavita 8 ft Power Cord 277-400 Volt for Gavita LED
<b>HGC906152-01</b>	Gavita 3-Pin to 5-Pin Wieland Adapter



Part No.	Description
<b>WC903081</b>	Smart Volt Power Cord 120 V - 6 ft
<b>WC903082</b>	Smart Volt Power Cord 240 V - 6 ft

Part No.	Description
<b>CB6863171</b>	Gavita Wieland Mains Power Cord 3 m/10 ft
<b>CB883156</b>	Gavita Classic 277V-347V Wieland Cordset 6 ft 6 in
<b>CB688346</b>	Gavita Wieland Mains Power Cord 1 m/3 ft
<b>HGC906051</b>	Gavita e-Series 240V IEC Power Cord w/ Ferrite 16ft

Part No.	Description
<b>WC903083</b>	Smart Volt Power Cord 120 V - 20 ft
<b>WC903084</b>	Smart Volt Power Cord 240 V - 20 ft



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# CABLES



Part No.	Description
<b>HGC906716</b>	Gavita e-Series LED Adapter Interconnect Cable 10ft RJ45 to RJ9
<b>HGC906717</b>	Gavita e-Series LED Adapter Interconnect Cable 25ft RJ45 to RJ9
<b>HGC906719</b>	Gavita e-Series LED Adapter Interconnect Cable Terminals RJ45 6 Pack
<b>HGC906712</b>	Gavita e-Series LED Adapter Interconnect Cable 80ft Kit (Includes 6 RJ45 Terminals)
<b>HGC906711</b>	Gavita e-Series LED Adapter Interconnect Cable 10ft RJ45 to RJ45
<b>HGC906722-01</b>	Gavita e-Series LED Adapter Premium Interconnect Cable 10ft RJ45 to RJ45

Part No.	Description
<b>CB6633221</b>	Gavita Controller Cable RJ9 / RJ14 5 ft / 150 cm
<b>CB6633610</b>	Gavita Controller Cable RJ9 / RJ14 16 ft / 5 m
<b>CB6626321</b>	Gavita Interconnect Cable for Repeater Bus Gray 6P6C 2 m/6.5 ft
<b>CB6626531</b>	Gavita Interconnect Cable for Repeater Bus Gray 6P6C 3 m/10 ft
<b>HGC906170</b>	Gavita Repeater Bus Connection Kit
<b>HGC906720</b>	Interconnect Cable Crimper

# CONTROLLERS



Part No.	Description
<b>HGC906120</b>	Gavita Master Controller EL1 - Gen 2
<b>HGC906121</b>	Gavita Master Controller EL2 - Gen 2



Part No.	Description
<b>HGC902245</b>	Sun System® 1 Etelligent™ Controller Complete Kit
<b>HGC902255</b>	Sun System Analog to Digital Signal Converter



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