



HAWTHORNE™

WIRING FLOW DIAGRAM



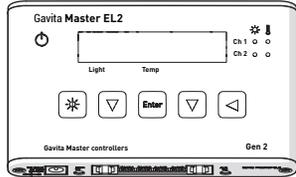
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Gavita® 1700e LED and 900e LED Wiring Flow Diagram

Gavita Master Controller EL1 - Gen 2
HGC906120

Gavita Master Controller EL2 - Gen 2
HGC906121



RJ9

**CONTROLLER TO FIXTURE
COMMUNICATION CABLE**

HGC906717
HGC906716

POWER: 120-277 V



POWER CABLE:

HGC906147 (120 V)
HGC906148 (208-240 V)
HGC906458 (277 V)

Gavita e-Series adapter
HGC906151

Wieland rst 16i5

RJ45

6ft cable included with e-series adapter

RJ45

This cable is
apart of the adapter

Wieland rst 16i5

Gavita Pro 1700e LED
HGC906056
Gavita Pro 900e LED
HGC906461

POWER: 120-277 V



POWER CABLE:

HGC906147 (120 V)
HGC906148 (208-240 V)
HGC906458 (277 V)

Gavita e-Series adapter
HGC906151

Wieland rst 16i5

RJ45

This cable is
apart of the adapter

Wieland rst 16i5

Gavita Pro 1700e LED
HGC906056
Gavita Pro 900e LED
HGC906461

UP TO 500/CHANNEL

Notes 1700e:

- Fixture, power cord, adapter and controller need to be ordered separately.
- 1x HGC906717 or HGC906716 is required for every channel. These need to be purchased separately from the fixture and controller
- The E-series adapter (HGC906151) comes with a 6ft fixture to fixture communication cable. If longer cables are required:
 - HGC906711 (10ft cable)
 - HGC906712 + HGC906719 + HGC906720 (80ft cable + RJ45 terminals + Cable crimper) to make custom lengths
 - Use Cat5/6 cable and RJ45 terminals to make custom lengths
- Each fixture needs an adapter to communicate with the controller
- If using a 3rd party controller or Building Automation System a 0-10V analog control signal is needed. Please reach out to technical support for details.

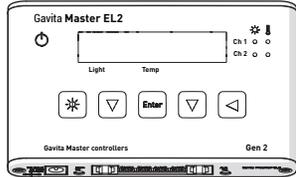
Gavita® CT 1930e LED Wiring Flow Diagram

Gavita Master Controller EL1 - Gen 2

HGC906120

Gavita Master Controller EL2 - Gen 2

HGC906121



RJ9 ▶

**CONTROLLER TO FIXTURE
COMMUNICATION CABLE**

HGC906717
HGC906716

POWER: 120-277 V

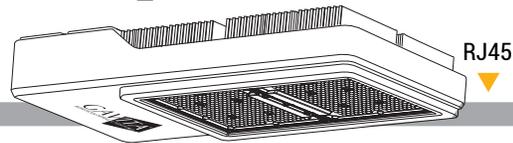


POWER CABLE:

HGC906147 (120 V)
HGC906148 (208-240 V)
HGC906458 (277 V)

◀ Wieland rst 16i5

RJ45 ▼



**Gavita CT 1930e
LED HGC9060740**

POWER: 120-277 V

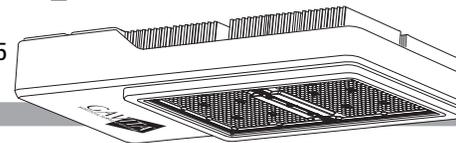


POWER CABLE:

HGC906147 (120 V)
HGC906148 (208-240 V)
HGC906458 (277 V)

◀ Wieland rst 16i5

RJ45 ▼



**Gavita CT 1930e
LED HGC9060740**

▶▶▶ UP TO 2000/CHANNEL

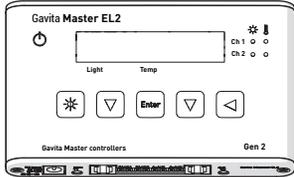
6ft cable included with CT 1930e fixture

Notes 1930e:

- Fixture, power cord, adapter and controller need to be ordered separately.
- 1x HGC906717 or HGC906716 is required for every channel. These need to be purchased separately from the fixture and controller
- The CT1930e (HGC906740) comes with a 6ft fixture to fixture communication cable. If longer cables are required:
 - HGC906722 (10ft cable)
 - Use Cat5/6 cable and RJ45 terminals to make custom lengths. Standard "Straight Through" Ethernet cables can be used.
- The CT1930e (HGC906740) comes with a 6ft fixture to fixture communication cable. If longer cables are required:

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

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



POWER: 277-347 V



POWER CABLE
— CB6863171 (10 ft)
— CB883156 (6 ft)
— CB688346 (3 ft)

POWER: 277-347 V



POWER CABLE (See notes):
— CB6863171 (10 ft)
— CB883156 (6 ft)
— CB688346 (3 ft)

RJ9 ▶

**25 ft CONTROLLER TO FIXTURE
COMMUNICATION CABLE
INCLUDED WITH CONTROLLER**

◀ Wieland rst 2013

◀ Wieland rst 2013

RJ14 ▼

RJ12 ▼

RJ12 ▼

▶ ▶ ▶ UP TO 500/CHANNEL

Gavita HPS:
HGC906098
HGC906023
HGC906072

6 ft cable
included "BOXED"

Gavita HPS:
HGC906098
HGC906023
HGC906072

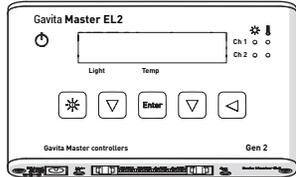
Notes e-Series HPS 277-347V:

- In "Bulk" packaging, only the fixture with reflector and lamp is included. Separate purchase of power cord and communication cables is required.
- HGC906120 (EL1) comes with 1x 25ft cables, HGC906121 (EL2) comes with 2x 25ft cables for RJ9 to RJ14 connection (controller to fixture), smaller lengths can be purchased.
 - CB6633221 (5 ft)
 - CB6633610 (16 ft)
- A 6ft fixture to fixture communication cable is included with "Boxed" fixtures, If buying in bulk or longer cables are required:
 - CBB6626531 (10 ft)
 - HGC906170 + HGC906720 (82 ft of cable and RJ12 jacks + Cable Crimper)
- "Boxed" fixtures include a 3ft power cable. Different lengths are available:
 - CB6863171 (10 ft)
 - CB883156 (6 ft)
 - CB688346 (3 ft)
- If using 3rd party controller or Building Automation System a 0-10V analog control signal is needed. Please reach out to technical support for details.

Gavita® e-Series SL and CMH Wiring Flow Diagram

Gavita Master Controller EL1 - Gen 2
HGC906120

Gavita Master Controller EL2 - Gen 2
HGC906121



POWER: 208-240 V



POWER CABLE
Included with fixture (See notes):
HGC906051

POWER: 208-240 V



POWER CABLE
Included with fixture (See notes):
HGC906051

RJ9 ▶
25 ft CONTROLLER TO FIXTURE
COMMUNICATION CABLE
INCLUDED WITH CONTROLLER

◀ IEC320C13

◀ IEC320C13

RJ14 ▼

RJ12 ▼

RJ12 ▼

▶▶▶ UP TO 500/CHANNEL

Gavita HPS/CMH:
HGC906097
HGC906117
HGC906048
HGC906049

Gavita HPS/CMH:
HGC906097
HGC906117
HGC906048
HGC906049

6ft cable
included "BOXED"

Notes e-Series SL and CMH:

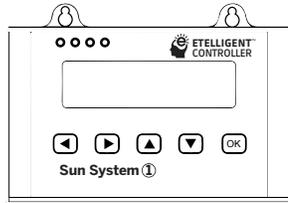
- HGC906120 (EL1) comes with 1x 25ft cables, HGC906121 (EL2) comes with 2x 25ft cables for RJ9 to RJ14 connection (controller to fixture), smaller lengths can be purchased.
 - CB6633221 (5 ft)
 - CB6633610 (16 ft)
- A 6ft fixture to fixture communication cable is included with the fixtures, if longer cables are required:
 - CBB6626531 (10 ft)
 - HGC906170 + HGC906720 (82ft of cable and RJ12 jacks + Cable Crimper)
- Fixtures include an 8ft power cable. If a longer power cable is required:
 - HGC906051 (16 ft)
- If using a 3rd party controller or Building Automation System a 0-10V analog control signal is needed. Please reach out to technical support for details.



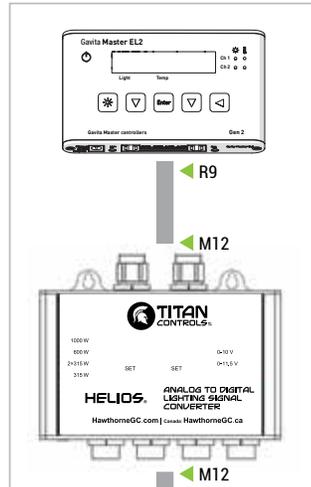
SUN SYSTEM[®] COMMERCIAL FIXTURE

WIRING FLOW DIAGRAM

Sun System 1 Etelligent Controller Kit
HGC902245



3.5 mm jack



R9

M12

M12

3.5 mm jack

POWER: 120-480 V

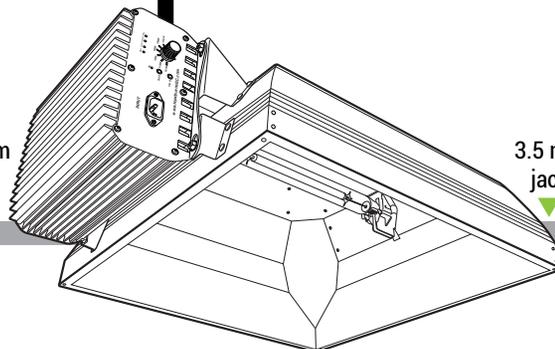


POWER: 120-480 V



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

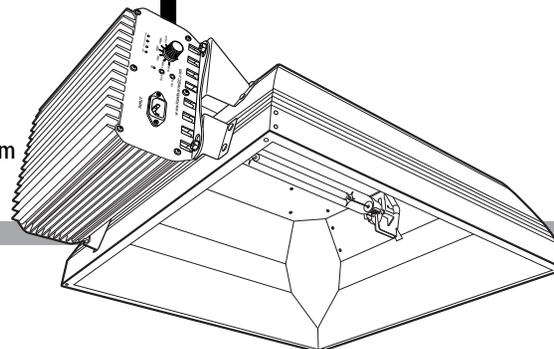
3.5 mm jack



3.5 mm jack

6ft cable included

3.5 mm jack



UP TO 200/CHANNEL

Notes:

- 277V, 347V and 480V fixtures have the power cables hardwired to the driver.
- 120-240V fixture Include a 6ft, Smart Volt cable.
If longer lengths are required:
 - WC903081 (120V - 6ft)
 - WC903082 (240V - 6ft)
 - WC903083 (120V - 20ft)
 - WC903084 (240V - 20ft)
- 2x 16ft communication cables come with the controller (1 for each channel).
- 1x 16ft - 3.5mm to 3.5mm communication cable is included with each fixture.
- If a custom length of communication cable is required most 3.5mm audio jack cable can be used
- HGC902255 (Helios Signal Converter) allows customers to use their Gavita master controller or building automation system to controller the fixtures. Converts standard 0-10V dimming to Sun System's digital signal
- HGC902255 (Helios 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)
 - See Instruction manual for more details

PART GLOSSARY



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LIGHT FIXTURES



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

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



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

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



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POWER CORDS



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

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



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

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



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CABLES



Part No.	Description
HGC906716	Gavita e-Series LED Adapter Interconnect Cable 10ft RJ45 to RJ9
HGC906717	Gavita e-Series LED Adapter Interconnect Cable 25ft RJ45 to RJ9
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

Part No.	Description
CB6633221	Gavita Controller Cable RJ9 / RJ14 5 ft / 150 cm
CB6633610	Gavita Controller Cable RJ9 / RJ14 16 ft / 5 m
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

CONTROLLERS



Part No.	Description
HGC906120	Gavita Master Controller EL1 - Gen 2
HGC906121	Gavita Master Controller EL2 - Gen 2



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



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