

FEATURES & SPECIFICATIONS

INTENDED USE — Inspired by classic fluorescent strip channels, this LED fixture offers a traditional appearance that incorporates the latest technology. Available in several color temperatures, lumen packages and lengths. Ideal for use in commercial, retail, office, warehouse and display applications. **Certain airborne contaminants can diminish integrity of acrylic and/or polycarbonate.** [Click here for Acrylic-Polycarbonate Compatibility table for suitable uses.](#)

Certain airborne contaminants may adversely affect the functioning of LEDs and other electronic components, depending on various factors such as concentrations of the contaminants, ventilation, and temperature at the end-user location. [Click here for a list of substances that may not be suitable for interaction with LEDs and other electronic components.](#)

CONSTRUCTION — Compact-design channel and cover are formed from code-gauge cold-rolled steel. Easy to install row aligner bracket included for continuous row mounting.

Finish: High-gloss, baked white enamel (standard).

OPTICS — LEDs provide 80+ color rendering index (CRI) at 3500K, 4000K and 5000K. Diffuse polycarbonate lens provides smooth, linear illumination which is designed to resemble the classic look of traditional fluorescent lamps.

Lumen output exceeds 1,000 lumens per foot. Luminaire should be installed in applications where ambient temperatures do not exceed maximum ambient operating temperature of 95°F (35°C).

ELECTRICAL — Luminaire Surge Protection Level: Designed to withstand up to 2.5kV/0.75kA per ANSI C82.77-5-2015. For applications requiring higher level of protection additional surge protection must be provided.

INSTALLATION — Fixture may be surface or suspension mounted with appropriate mounting options (see accessories). Aligner locks in place for easy continuous row mounting.

LISTINGS — CSA certified to US and Canadian safety standards and listed suitable for damp locations. Minimum starting temperature at -40°F (-40°C). Maximum ambient operating temperature of 95°F (35°C).

DesignLights Consortium® (DLC) qualified product. Not all versions of this product may be DLC qualified. Please check the DLC Qualified Products List at www.designlights.org/QPL to confirm which versions are qualified.

WARRANTY — 5-year limited warranty. This is the only warranty provided and no other statements in this specification sheet create any warranty of any kind. All other express and implied warranties are disclaimed. Complete warranty terms located at:

www.acuitybrands.com/support/warranty/terms-and-conditions

Note: Actual performance may differ as a result of end-user environment and application. All values are design or typical values, measured under laboratory conditions at 25 °C. Specifications subject to change without notice.

Catalog Number
Notes
Type

LED Striplight

CDS



ORDERING INFORMATION

Lead times will vary depending on options selected. Consult with your sales representative.

Example: CDS L48 MVOLT DM 40K 80CRI WH

Series	Length	Voltage	Driver	Color temperature	Color rendering index	Options	Finish
CDS LED striplight	L24 24" L48 48" L96 96"	MVOLT 120-277V 347 347V	DM 0-10V dimming	35K 3500 K 40K 4000 K 50K 5000 K	80CRI 80 CRI	PLR__G Plug-in wiring PLR1LVG Plug-in wiring, low voltage	WH White

Accessories: Order as separate catalog number.	
HC36 M12	Hanger chain, 36" (1 pair)
ZACVH M100	Adjustable 10' aircraft cable with Y hanger (1 pair)
SQ_	Swivel stem hanger (specify length in 2" increments up to 48")
MNLK JBOXCVR M12	Junction box cover with hardware, white
rPP20D	nLight® air dimming/switching module

A+ Capable Luminaire

This item is an A+ capable luminaire, which has been designed and tested to provide consistent color appearance and out-of-the-box control compatibility with simple commissioning.

- All configurations of this luminaire meet the Acuity Brands' specification for chromatic consistency
- This luminaire is part of an A+ Certified solution for nLight® or XPoint™ Wireless control networks marked by a **shaded background***

To learn more about A+, visit www.acuitybrands.com/aplus.

*See ordering tree for details

OPERATIONAL DATA

CDS L48 MVOLT (80CRI)			
	Lumens	Wattage	LPW
35K	4606	35	131
40K	4679		133
50K	4851		138

CDS L96 MVOLT (80CRI)			
	Lumens	Wattage	LPW
35K	8800	73	129
40K	8937		132
50K	9266		136

PROJECTED LUMEN MAINTENANCE									
Operating Hours	0	10,000	20,000	30,000	40,000	50,000	60,000	70,000	100,000
Luman Maintenace Factor	1	0.98	0.93	0.89	0.85	0.81	0.77	0.74	0.64

DIMENSIONS

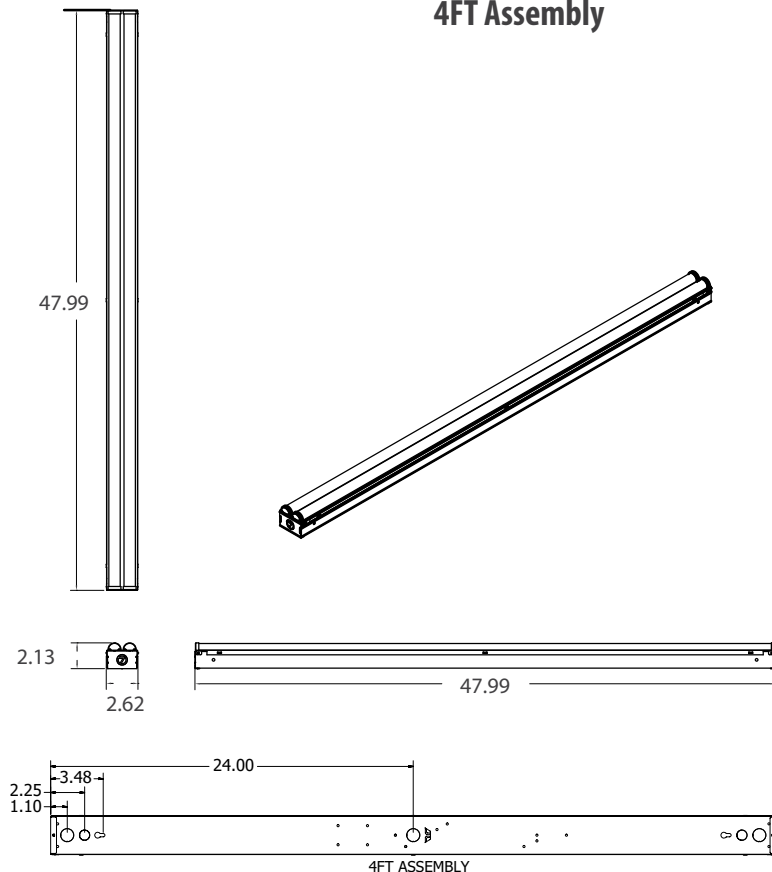
All dimensions are shown in inches (centimeters) unless otherwise noted.

WEIGHT: (may vary with options or accessories)

L48: 5 lbs (2.267 kgs)

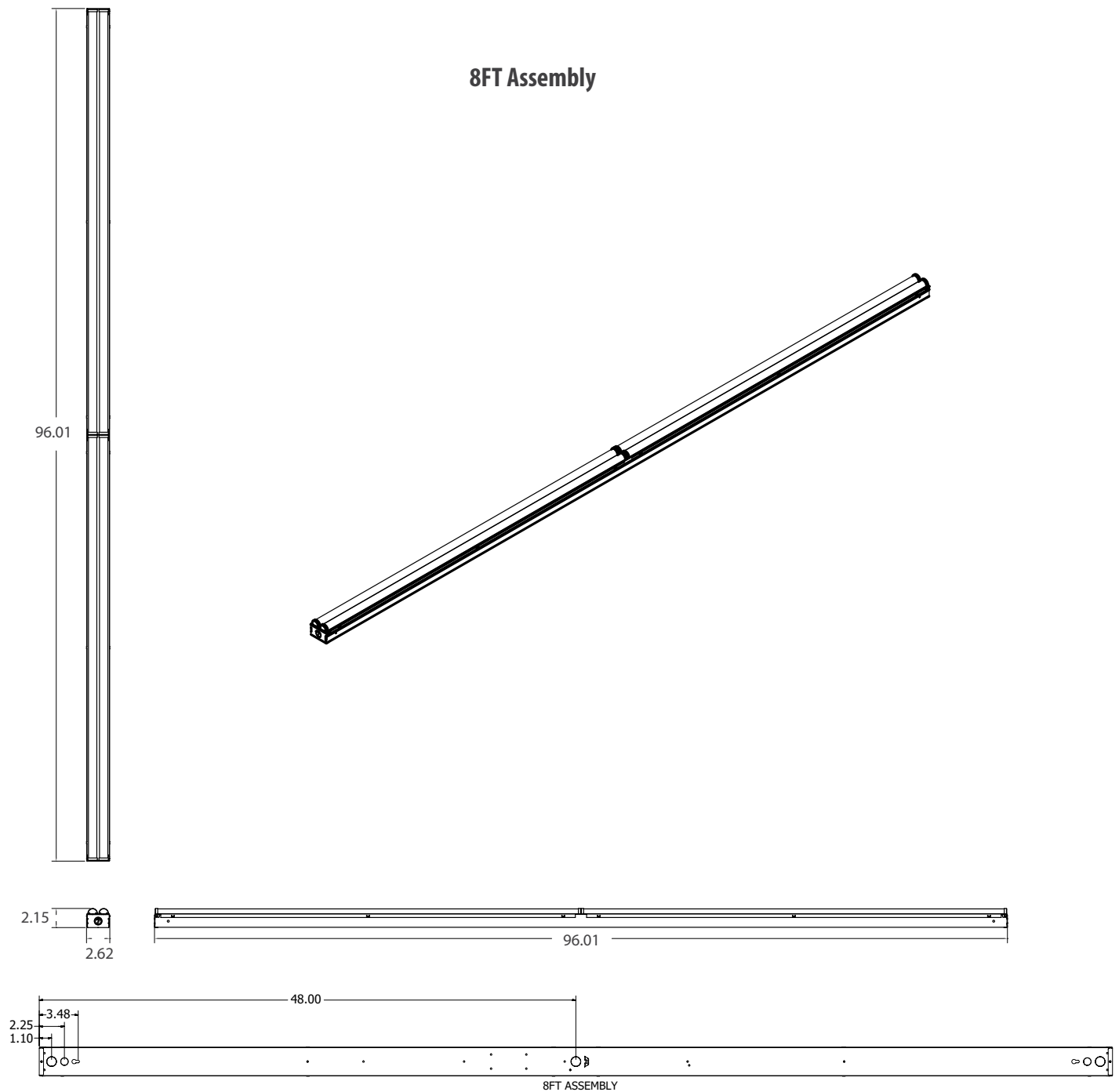
L96: 10 lbs (4.535 kgs)

4FT Assembly



DIMENSIONS

All dimensions are shown in inches (centimeters) unless otherwise noted.



PRODUCT INFORMATION

Advanced plug-in system with two-circuit capability. Available on industrial and strip products and a variety of architectural products mounted in continuous rows. 1, 2, 3 and 4-lamp fixtures. PLR22 (2-circuit) and crossover harness switches hot circuit serving next fixture in row. Reduces fixture types on job for alternating circuit applications (see example below.)

Easy one-step installation, saves up to 35% on labor costs. Expanded switching flexibility helps save energy.

Rows can be 50% longer with two-circuit systems. Polarized, lock-together nylon connectors prevent miswiring in the field. #12 THHN conductor, rated 600V, 90°C. White neutral wire included. Grounding accomplished by fixture in-row connectors.

CSA certified systems available with up to 2 circuits. G ground required.

Note: Specifications subject to change without notice.



Wiring

PLR

Advanced 1 or 2-Circuit Plug-In

ORDERING INFORMATION

Lead times will vary depending on options selected. Consult with your sales representative.

Series	Number of hot wires		Branch circuits		Dimming		Ground	
PLR	(blank)	Not required for 22	<u>Circuits to which driver is connected</u>		<u>Emergency circuit connected</u>			
PLR22	1	Black	(blank)	Not required for 22	(blank)	No emergency circuit		
	2	Black and red	A	Black wire	ELA	Emergency circuit wired to black wire		
			B	Red wire	ELB	Emergency circuit wired to red wire		
					LV	Low-voltage dimming	G	Ground

Typical Applications

- Multiple-circuit and single-circuit for longer continuous rows
- Multiple-circuit with alternating fixtures on separate circuits and 2-circuit (PLR 22)
- Multiple circuit with night-lights located along row as desired

PHOTOMETRICS

Please see www.lithonia.com.

FEATURES & SPECIFICATIONS

INTENDED USE — Inspired by classic fluorescent strip channels, this LED fixture offers a traditional appearance that incorporates the latest technology. Available in several color temperatures, lumen packages and lengths. Ideal for use in commercial, retail, office, warehouse and display applications. **Certain airborne contaminants can diminish integrity of acrylic and/or polycarbonate.** [Click here for Acrylic-Polycarbonate Compatibility table for suitable uses.](#)

Certain airborne contaminants may adversely affect the functioning of LEDs and other electronic components, depending on various factors such as concentrations of the contaminants, ventilation, and temperature at the end-user location. [Click here for a list of substances that may not be suitable for interaction with LEDs and other electronic components.](#)

CONSTRUCTION — Compact-design channel and cover are formed from code-gauge cold-rolled steel. Easy to install row aligner bracket included for continuous row mounting.

Finish: High-gloss, baked white enamel (standard).

OPTICS — LEDs provide 80+ color rendering index (CRI) at 3500K, 4000K and 5000K. Diffuse polycarbonate lens provides smooth, linear illumination which is designed to resemble the classic look of traditional fluorescent lamps.

Lumen output exceeds 1,000 lumens per foot. Luminaire should be installed in applications where ambient temperatures do not exceed maximum ambient operating temperature of 95°F (35°C).

ELECTRICAL — Luminaire Surge Protection Level: Designed to withstand up to 2.5kV/0.75kA per ANSI C82.77-5-2015. For applications requiring higher level of protection additional surge protection must be provided.

INSTALLATION — Fixture may be surface or suspension mounted with appropriate mounting options (see accessories). Aligner locks in place for easy continuous row mounting.

LISTINGS — CSA certified to US and Canadian safety standards and listed suitable for damp locations. Minimum starting temperature at -40°F (-40°C). Maximum ambient operating temperature of 95°F (35°C).

DesignLights Consortium® (DLC) qualified product. Not all versions of this product may be DLC qualified. Please check the DLC Qualified Products List at www.designlights.org/QPL to confirm which versions are qualified.

WARRANTY — 5-year limited warranty. This is the only warranty provided and no other statements in this specification sheet create any warranty of any kind. All other express and implied warranties are disclaimed. Complete warranty terms located at:

www.acuitybrands.com/support/warranty/terms-and-conditions

Note: Actual performance may differ as a result of end-user environment and application. All values are design or typical values, measured under laboratory conditions at 25 °C. Specifications subject to change without notice.

Catalog Number
Notes
Type

LED Striplight

CDS



ORDERING INFORMATION

Lead times will vary depending on options selected. Consult with your sales representative.

Example: CDS L48 MVOLT DM 40K 80CRI WH

Series	Length	Voltage	Driver	Color temperature	Color rendering index	Options	Finish
CDS LED striplight	L24 24" L48 48" L96 96"	MVOLT 120-277V 347 347V	DM 0-10V dimming	35K 3500 K 40K 4000 K 50K 5000 K	80CRI 80 CRI	PLR__G Plug-in wiring PLR1LVG Plug-in wiring, low voltage	WH White

Accessories: Order as separate catalog number.	
HC36 M12	Hanger chain, 36" (1 pair)
ZACVH M100	Adjustable 10' aircraft cable with Y hanger (1 pair)
SQ_	Swivel stem hanger (specify length in 2" increments up to 48")
MNLK JBOXCVR M12	Junction box cover with hardware, white
rPP20D	nLight® air dimming/switching module

A+ Capable Luminaire

This item is an A+ capable luminaire, which has been designed and tested to provide consistent color appearance and out-of-the-box control compatibility with simple commissioning.

- All configurations of this luminaire meet the Acuity Brands' specification for chromatic consistency
- This luminaire is part of an A+ Certified solution for nLight® or XPoint™ Wireless control networks marked by a **shaded background***

To learn more about A+, visit www.acuitybrands.com/aplus.

*See ordering tree for details

OPERATIONAL DATA

CDS L48 MVOLT (80CRI)			
	Lumens	Wattage	LPW
35K	4606	35	131
40K	4679		133
50K	4851		138

CDS L96 MVOLT (80CRI)			
	Lumens	Wattage	LPW
35K	8800	73	129
40K	8937		132
50K	9266		136

PROJECTED LUMEN MAINTENANCE									
Operating Hours	0	10,000	20,000	30,000	40,000	50,000	60,000	70,000	100,000
Luman Maintenace Factor	1	0.98	0.93	0.89	0.85	0.81	0.77	0.74	0.64

DIMENSIONS

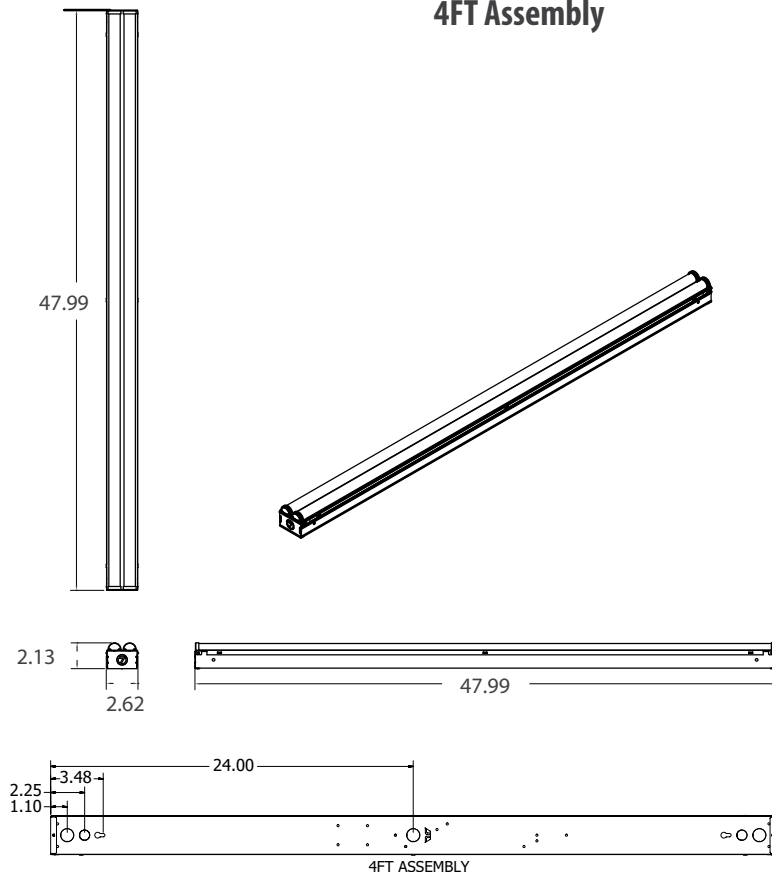
All dimensions are shown in inches (centimeters) unless otherwise noted.

WEIGHT: (may vary with options or accessories)

L48: 5 lbs (2.267 kgs)

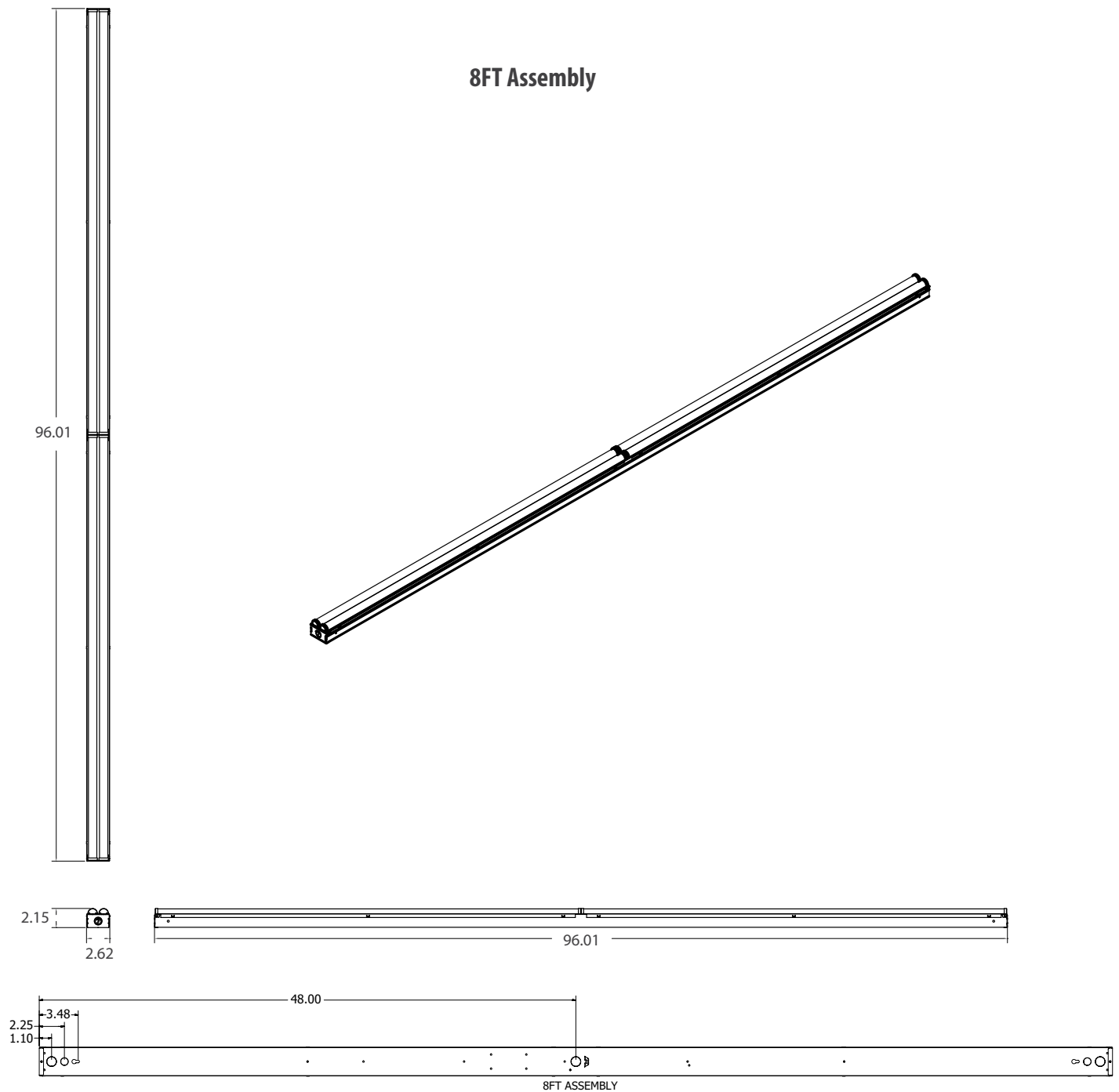
L96: 10 lbs (4.535 kgs)

4FT Assembly



DIMENSIONS

All dimensions are shown in inches (centimeters) unless otherwise noted.



PRODUCT INFORMATION

Advanced plug-in system with two-circuit capability. Available on industrial and strip products and a variety of architectural products mounted in continuous rows. 1, 2, 3 and 4-lamp fixtures. PLR22 (2-circuit) and crossover harness switches hot circuit serving next fixture in row. Reduces fixture types on job for alternating circuit applications (see example below.)

Easy one-step installation, saves up to 35% on labor costs. Expanded switching flexibility helps save energy.

Rows can be 50% longer with two-circuit systems. Polarized, lock-together nylon connectors prevent miswiring in the field. #12 THHN conductor, rated 600V, 90°C. White neutral wire included. Grounding accomplished by fixture in-row connectors.

CSA certified systems available with up to 2 circuits. G ground required.

Note: Specifications subject to change without notice.



Wiring

PLR

Advanced 1 or 2-Circuit Plug-In

ORDERING INFORMATION

Lead times will vary depending on options selected. Consult with your sales representative.

Series	Number of hot wires		Branch circuits		Dimming		Ground	
PLR	(blank)	Not required for 22	<u>Circuits to which driver is connected</u>	<u>Emergency circuit connected</u>	LV	Low-voltage dimming	G	Ground
PLR22	1	Black	(blank) Not required for 22	(blank) No emergency circuit				
	2	Black and red	A Black wire	ELA Emergency circuit wired to black wire				
			B Red wire	ELB Emergency circuit wired to red wire				

Typical Applications

- Multiple-circuit and single-circuit for longer continuous rows
- Multiple-circuit with alternating fixtures on separate circuits and 2-circuit (PLR 22)
- Multiple circuit with night-lights located along row as desired

PHOTOMETRICS

Please see www.lithonia.com.