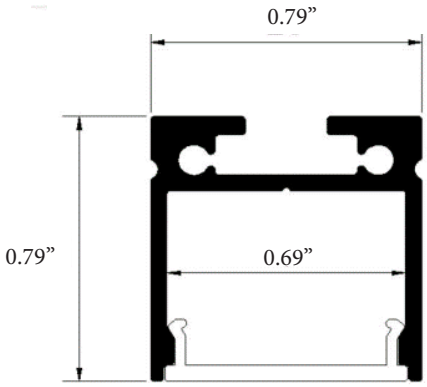
LIGHTING Elements

Project Name:	
Type:	
Qty:	

Pluto Small



PRODUCT DESCRIPTION

The Pluto Family of fixtures are a sleek and elegant linear fixture that are available in standard pendant, rotational pendant, standard surface and rotational arm mounting options. The fixtures are available with Direct light distributions. A variety of lengths and driver output are available.

FEATURES

- Powered Suspension System - No power cord
- High transmission frosted lenses with no diode
- imaging
- No visible fasteners
- Extruded aluminum housing
- Dimmable/Programmable drivers for
- controllable light output
- High efficacy LEDs with 5 year warranty
- Under 2 steps MacAdams Ellipse Binning
- 5/16” Diameter
- 90 CRI
- Damp listed

NOTES: REQUIRES REMOTE DRIVER(S)

ORDERING INFORMATION

PLS _____ _____ _____ _____ _____ _____ _____

Fixture Type	Mounting	Light Distribution	Color Temp.	Length	Driver Output	Dimming	
						Voltage	Driver
PLS Pluto Small	**SPM** Standard Pendant Mount **SSC** Standard Surface Ceiling	**D** Direct	**30K** 3000 k **35K** 3500 k **40K** 4000 k	**1** 1’ 1-3/8 **2** 2’ 1-3/8” **3** 3’ 1-3/8” **4** 4’ 1-3/8” **5** 5’ 1-3/8” **6** 6’ 1-3/8” **7** 7’ 1-3/8” **8** 8’ 1-3/8” **12** 12’ 1-3/8” **XX** Custom (consult factory for options)	**VLO** Very Low Outputv480 lumens/ft. (4w/ft.) **LO** Low Output 720 lumens/ft. (6w/ft.) **SO** Standard Output 945 lumens/ft. (8w/ft.) **HO** High Output 1,185 lumens/ft. (10w/ft.) **VHO** Very High Output 1,380 lumens/ft. (12w/ft.) **CPO** Custom Power Output Consult factory	**UNV** Universal (120-277v) **V1** 120v **V2** 227v **V3** 347v	**D0** On / Off Only **D2** 0-10V dim (1% or below) **D4-2** Lutron Hi-lume 1% Forward Phase 120V **D4-ED** Lutron EcoSystem Hi-lume 1% SO/FTB *For other options, consult factory*

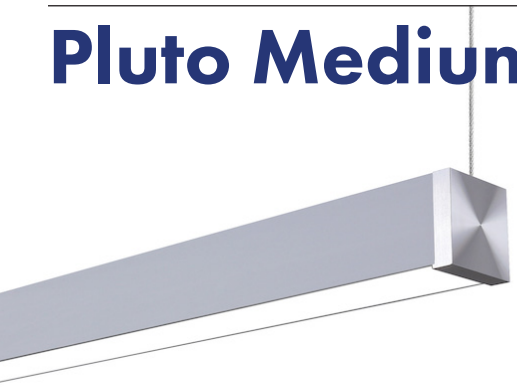
_____ _____ _____ _____ _____ _____

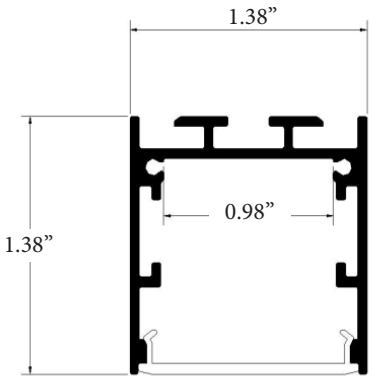
Housing Finish	Hardware Detail Finish	Canopy Size	Canopy Finish	Aircraft Cable Lenght	Options
SC Satin Clear (standard) **SW** Satin White (powder coat) **MB** Matte Black (powder coat) **W** Walnut **C** Cherry **O** Oak **M** Maple **S** Santos **CF** Custom Finish (consult factory)	**MF** Machined Finish (standard) **CF** Custom Finish (consult factory)	**P5N5** 5” Power feed canopy 5” Non-power feed canopy **P5N2** 5” Power feed canopy 2” Non-power feed canopy *-P5N5 must be used for continuous runs -SSC & SSW no canopy needed*	**SC** Satin Clear (Standard) **SW** Satin White (powder coat) **CPC** Custom Powder Coat Canopy Finish *-SSC & SSW no canopy needed*	**4** 4ft. **8** 8ft. **CL** Custom Length	**NA** No Options **EM15** Emergency Battery Back Up (approximately 1050 lumens)

LIGHTING Elements

Project Name:	
Type:	
Qty:	

Pluto Medium





PRODUCT DESCRIPTION

The Pluto Family of fixtures are a sleek and elegant linear fixture that are available in standard pendant, rotational pendant, standard surface and rotational arm mounting options. The fixtures are available with Direct light distributions. A variety of lengths and driver output are available.

FEATURES

- Powered Suspension System - No power cord
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- imaging
- No visible fasteners
- Extruded aluminum housing
- Dimmable/Programmable drivers for
- controllable light output
- High efficacy LEDs with 5 year warranty
- Under 2 steps MacAdams Ellipse Binning
- 5/16” thick machined end caps
- 1-3/8” Diameter
- RAM - 360° rotational w/ 4” long arm mount
- 90 CRI
- Damp listed

NOTES: REQUIRES REMOTE DRIVER(S)

ORDERING INFORMATION

PLM

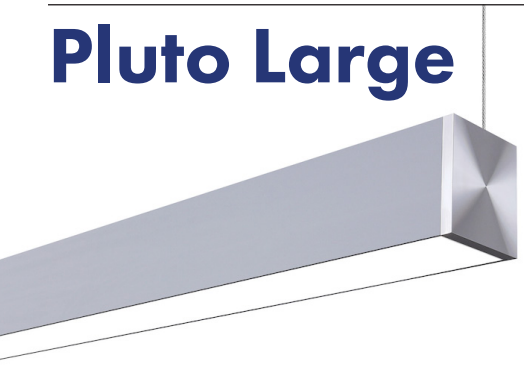
Fixture Type	Mounting	Light Distribution	Color Temp.	Length	Driver Output	Dimming	
						Voltage	Driver
PLM Pluto Medium	**SPM** Standard Pendant Mount **RPM** Rotational Pendant Mount **SSW** Standard Surface Wall **SSC** Standard Surface Ceiling **RAM** Rotational Arm Mount	**D** Directt	**30K** 3000 k **35K** 3500 k **40K** 4000 k	**1** 1’ 1-3/8 **2** 2’ 1-3/8” **3** 3’ 1-3/8” **4** 4’ 1-3/8” **5** 5’ 1-3/8” **6** 6’ 1-3/8” **7** 7’ 1-3/8” **8** 8’ 1-3/8” **12** 12’ 1-3/8” **XX** Custom (consult factory for options)	**VLO** Very Low Outputv480 lumens/ft. (4w/ft.) **LO** Low Output 720 lumens/ft. (6w/ft.) **SO** Standard Output 945 lumens/ft. (8w/ft.) **HO** High Output 1,185 lumens/ft. (10w/ft.) **VHO** Very High Output 1,380 lumens/ft. (12w/ft.) **CPO** Custom Power Output Consult factory	**UNV** Universal (120-277v) **V1** 120v **V2** 227v **V3** 347v	**D0** On / Off Only **D2** 0-10V dim (1% or below) **D4-2** Lutron Hi-lume 1% Forward Phase 120V **D4-ED** Lutron EcoSystem Hi-lume 1% SO/FTB *For other options, consult factory*

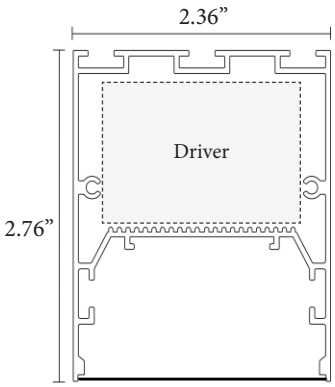
Housing Finish	Hardware Detail Finish	Canopy Size	Canopy Finish	Aircraft Cable Length	Options
SC Satin Clear (standard) **SW** Satin White (powder coat) **MB** Matte Black (powder coat) **W** Walnut **C** Cherry **O** Oak **M** Maple **S** Santos **CF** Custom Finish (consult factory)	**MF** Machined Finish (standard) **CF** Custom Finish (consult factory)	**P5N5** 5” Power feed canopy 5” Non-power feed canopy **P5N2** 5” Power feed canopy 2” Non-power feed canopy *-P5N5 must be used for continuous runs* *-SSC & SSW no canopy needed*	**SC** Satin Clear (Standard) **SW** Satin White (powder coat) **CPC** Custom Powder Coat Canopy Finish *-SSC & SSW no canopy needed*	**4** 4ft. **8** 8ft. **CL** Custom Length	**NA** No Options **EM15** Emergency Battery Back Up (approximately 1050 lumens)

LIGHTING Elements

Project Name:	
Type:	
Qty:	

Pluto Large





PRODUCT DESCRIPTION

The Pluto Family of fixtures are a sleek and elegant linear fixture that are available in standard pendant, rotational pendant, standard surface and rotational arm mounting options. The fixtures are available with Direct light distributions. A variety of lengths and driver output are available.

FEATURES

- 3/64” aircraft cable suspension system
- High transmission frosted lenses with no diode
- imaging
- No visible fasteners
- Extruded aluminum housing
- Dimmable/Programmable drivers for
- controllable light output
- High efficacy LEDs with 5 year warranty
- Under 2 steps MacAdams Ellipse Binning
- 3/8” thick machined end caps
- 2-5/16”” Diameter
- RAM - 360° rotational w/ 4” long arm mount
- 90 CRI
- Damp listed

ORDERING INFORMATION

PLL _____ _____ _____ _____ _____ _____ _____

Fixture Type	Mounting	Light Distribution	Color Temp.	Length	Driver Output	Dimming	
						Voltage	Driver
PLL Pluto Large	**SPM** Standard Pendant Mount **RPM** Rotational Pendant Mount **SSW** Standard Surface Wall **SSC** Standard Surface Ceiling **RAM** Rotational Arm Mount	**D** Direct	**30K** 3000 k **35K** 3500 k **40K** 4000 k	**1** 1’ 1-3/8 **2** 2’ 1-3/8” **3** 3’ 1-3/8” **4** 4’ 1-3/8” **5** 5’ 1-3/8” **6** 6’ 1-3/8” **7** 7’ 1-3/8” **8** 8’ 1-3/8” **12** 12’ 1-3/8” **XX** Custom (consult factory for options)	**VLO** Very Low Outputv480 lumens/ft. (4w/ft.) **LO** Low Output 720 lumens/ft. (6w/ft.) **SO** Standard Output 945 lumens/ft. (8w/ft.) **HO** High Output 1,185 lumens/ft. (10w/ft.) **VHO** Very High Output 1,380 lumens/ft. (12w/ft.) **CPO** Custom Power Output Consult factory	**UNV** Universal (120-277v) **V1** 120v **V2** 227v **V3** 347v	**D0** On / Off Only **D2** 0-10V dim (1% or below) **D4-2** Lutron Hi-lume 1% Forward Phase 120V **D4-ED** Lutron EcoSystem Hi-lume 1% SO/FTB *For other options, consult factory*

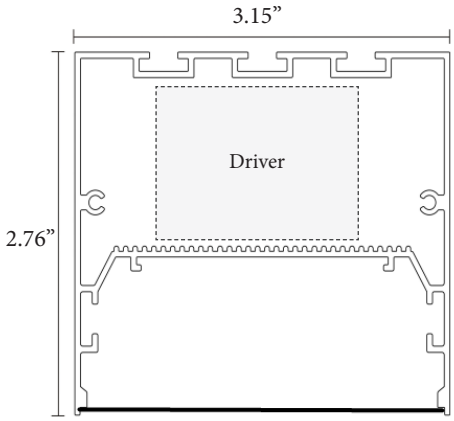
_____ _____ _____ _____ _____ _____ _____

Housing Finish	Hardware Detail Finish	Canopy Size	Canopy Finish	Power Cord Color	Aircraft Cable Length	Options
SC Satin Clear (standard) **SW** Satin White (powder coat) **MB** Matte Black (powder coat) **W** Walnut **C** Cherry **O** Oak **M** Maple **S** Santos **CF** Custom Finish (consult factory)	**MF** Machined Finish (standard) **CF** Custom Finish (consult factory)	**P5N5** 5” Power feed canopy 5” Non-power feed canopy **P5N2** 5” Power feed canopy 2” Non-power feed canopy *-P5N5 must be used for continuous runs* *-SSC & SSW no canopy needed*	**SC** Satin Clear (Standard) **SW** Satin White (powder coat) **CPC** Custom Powder Coat Canopy Finish *-SSC & SSW no canopy needed*	**WH** White **GR** Gray **BL** Black **CC** Custom Color	**4** 4ft. **8** 8ft. **CL** Custom Length	**NA** No Options **EM15** Emergency Battery Back Up (approximately 1050 lumens)

LIGHTING Elements

Project Name:	
Type:	
Qty:	

Pluto X-Large



PRODUCT DESCRIPTION

The Pluto Family of fixtures are a sleek and elegant linear fixture that are available in standard pendant, rotational pendant, standard surface and rotational arm mounting options. The fixtures are available with Direct light distributions. A variety of lengths and driver output are available.

FEATURES

- 3/64” aircraft cable suspension system
- High transmission frosted lenses with no diode
- imaging
- No visible fasteners
- Extruded aluminum housing
- Dimmable/Programmable drivers for
- controllable light output
- High efficacy LEDs with 5 year warranty
- Under 2 steps MacAdams Ellipse Binning
- 3/8” thick machined end caps
- 3-5/16”” Diameter
- RAM - 360° rotational w/ 4” long arm mount
- 90 CRI
- Damp listed

ORDERING INFORMATION

PLXL _____ _____ _____ _____ _____ _____ _____

Fixture Type	Mounting	Light Distribution	Color Temp.	Length	Driver Output	Dimming	
						Voltage	Driver
PLXL Pluto X-Large	**SPM** Standard Pendant Mount **RPM** Rotational Pendant Mount **SSW** Standard Surface Wall **SSC** Standard Surface Ceiling **RAM** Rotational Arm Mount	**D** Direct	**30K** 3000 k **35K** 3500 k **40K** 4000 k	**1** 1’ 1-3/8 **2** 2’ 1-3/8” **3** 3’ 1-3/8” **4** 4’ 1-3/8” **5** 5’ 1-3/8” **6** 6’ 1-3/8” **7** 7’ 1-3/8” **8** 8’ 1-3/8” **12** 12’ 1-3/8” **XX** Custom (consult factory for options)	**VLO** Very Low Outputv480 lumens/ ft. (4w/ft.) **LO** Low Output 720 lumens/ft. (6w/ft.) **SO** Standard Output 945 lumens/ ft. (8w/ft.) **HO** High Output 1,185 lumens/ ft. (10w/ft.) **VHO** Very High Output 1,380 lumens/ft. (12w/ft.) **CPO** Custom Power Output Consult factory	**UNV** Universal (120-277v) **V1** 120v **V2** 227v **V3** 347v	**D0** On / Off Only **D2** 0-10V dim (1% or below) **D4-2** Lutron Hi-lume 1% Forward Phase 120V **D4-ED** Lutron EcoSystem Hi-lume 1% SO/FTB *For other options, consult factory*

_____ _____ _____ _____ _____ _____ _____

Housing Finish	Hardware Detail Finish	Canopy Size	Canopy Finish	Power Cord Color	Aircraft Cable Length	Options
SC Satin Clear (standard) **SW** Satin White (powder coat) **MB** Matte Black (powder coat) **W** Walnut **C** Cherry **O** Oak **M** Maple **S** Santos **CF** Custom Finish (consult factory)	**MF** Machined Finish (standard) **CF** Custom Finish (consult factory)	**P5N5** 5” Power feed canopy 5” Non-power feed canopy 5” Power feed canopy **P5N2** 2” Non-power feed canopy *-P5N5 must be used for continuous runs* *-SSC & SSW no canopy needed*	**SC** Satin Clear (Standard) **SW** Satin White (powder coat) **CPC** Custom Powder Coat Canopy Finish *-SSC & SSW no canopy needed*	**WH** White **GR** Gray **BL** Black **CC** Custom Color	**4** 4ft. **8** 8ft. **CL** Custom Length	**NA** No Options **EM15** Emergency Battery Back Up

LIGHTING Elements

Project Name:	
Type:	
Qty:	

Pluto

LUMEN OUTPUT (per Foot):

	Direct	
Dirver Output	Wattage	Lumens
VLO	4	480
LO	6	720
SO	8	945
HO	10	1185
VHO	12	1380

VERY LOW: Considerably underdrives the LEDs to maximize fixture efficacy potential and limit wattage use.
LOW: Underdrives the LEDs for reasonable light output while maintaining low wattage use.
STANDARD: Drives the LEDs for the best combination of lumen output and fixture efficacy.
HIGH: Drive the LEDs at higher capacity for higher lumen output with good efficacy.
VERY HIGH: Drives the LEDs at the highest capacity for the highest lumen output with the best efficacy.

CANOPY OPTIONS:

2 inch non-power feed canopy

5 inch power feed canopy

MOUNTING OPTIONS:

Standard Pendant Mount

Rotational Pendant Mount

Standard Surface Mount

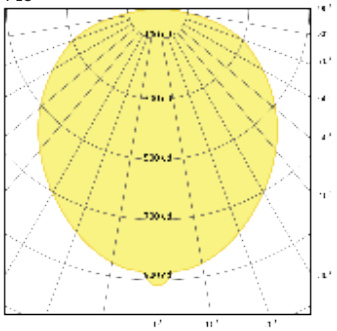
Rotational Arm Mount (360° Rotation,4" Long Arm)

WOOD FINISHES:

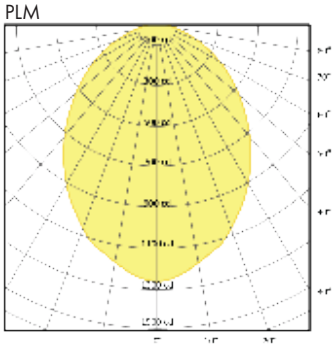
Walnut Cherry Oak Maple Santos

PHOTOMETRY:

PLS



PLM



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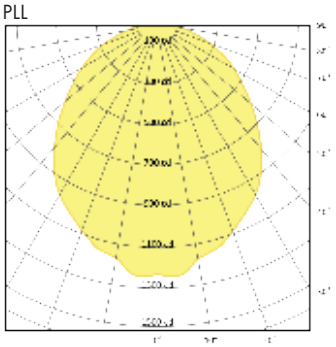

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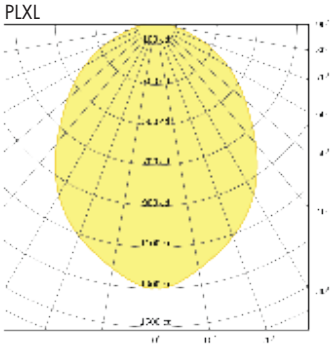
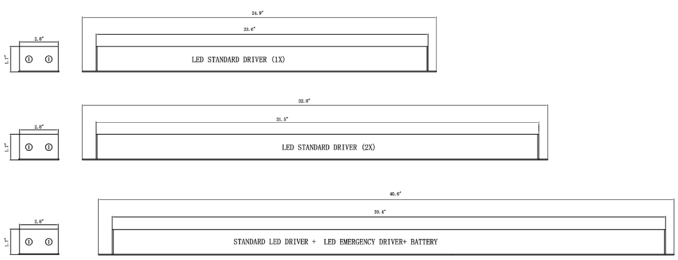


FIXTURE PROPERTIES(AS TESTED)

- 4' nominal length fixture
- Standard Output (SO)
- Total system energy consumption: 32 Watt
- 118 Lumens/Watt

DRIVER HOUSING DIAGRAM