



PLPROFILE4 LED Luminaire



## PLPROFILE4 LED Luminaire

The PLPROFILE4 luminaire is a LED, variable-beam profile with precise beam control and pattern projection from a high output beam. An innovative combination of LED source technology and precision optical design, the PLPROFILE4 luminaire delivers Philips Selecon's industry benchmark projection quality in a compact, robust luminaire.

The PLPROFILE4 luminaire uses the same proven LED engine as the Philips Selecon PL3, PL1, PL Series 1 luminaire range, and the Philips VARI\*LITE VLX wash luminaire ranges, meaning color matching is simplified across the stage. The user interface is the same ensuring ease of use.

A key benefit of the PLPROFILE4 luminaire is that it is no longer necessary to change lamps or color filter. Combining the superior control and light quality of a Philips Selecon Profile with seamless fading between colors allows designers a new level of creativity. Less power consumption and no dimmer circuits makes the PLPROFILE4 luminaire the obvious choice for pattern projection and stage washes on the larger stage.

### Features

- Four RGBW LED chips deliver limitless color mixing and variable color temperature.
- Seven optical systems: 15°-35° and 25°-50° Zoomspots; 14°, 19°, 26°, 36° and 50° Fixed Beams.
- All lens tubes interchangeable and can be ordered separately. 360° barrel rotation.
- Infinite color choice from the RGBW engines and supporting color temperatures from 2300K to 9970K in white
- Homogenized fully mixed color output light, no multiple color shadows
- Ten's of thousands of hours of life expectancy
- Quick selection of Warm White, Cool White, and Daylight
- Color presets simplifies matching existing light sources
- User defined on board presets states available to record your color composition
- Constant color balance down to very low light levels irrespective of intensity setting
- DMX512 Input/Output with 8 or 16-bit resolution or a simple 3-channel control
- Wireless DMX512 option - compatible with Wireless Solution W-DMX, Lumen Radio, or City Theatrical Show DMX512 transmitters
- On-board LCD menu for ease of luminaire set up and addressing
- No ultra-violet (wavelengths of less than 400nm) – for UVA, B or C or the Infrared spectrum (wavelengths of more than 775nm)
- Luminaire color: black
- Electronic universal power supply 100-240VAC
- PowerCon In and Through connectors
- Electronic power supply; cETLus listed and CE marked

**PHILIPS**  
**Selecon**

### SPECIFICATION SUBMITTAL

CONSULTANT: <input type="text"/>	PROJECT NAME: <input type="text"/>	MODEL NUMBER   QUANTITY: <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>
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## PLPROFILE4 LED Luminaire

### Advanced Control

The PLPROFILE4 LED luminaire has an on-board LCD menu system for luminaire setup, control, and addressing. The menu system is extremely user-friendly and offers all configuration options with a few button presses.

### Wireless DMX512 Control

Having trouble getting data to your light on set? All PLPROFILE4 luminaires support wireless DMX512 control for instant connections without running control wiring. Each wireless receiver also has a DMX512 out port to control adjacent luminaires. Receivers are available for Wireless Solution W-DMX, Lumen Radio, or City Theatrical DMX512 transmitters.

### Console Control

All PLPROFILE4 luminaires support wired and wireless DMX512 control with a choice of 8 or 16 bit control resolution or simple 3-channel control. With the increased development of LED luminaires like PL1 and PL3 with 4 or more colors additional control is needed for intuitive operation. All Strand Lighting Palette family controls support extended color control and color temperature control to simplify programming and luminaire color matching.

### PLPROFILE4 Luminaire LED Engine

The PLPROFILE4 luminaire's powerful LED engines offer exceptional performance and life. Under normal operating conditions our LED engine has a potential life expectancy of up to 50,000 hours, however under worst case operating conditions with the luminaire set to continuous full output it is possible that a small percentage of LEDs may require replacement sooner. The Philips Selecon three-year limited warranty includes our guarantee against premature failure of the LED engine.

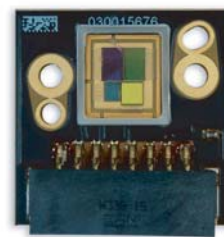


#### PLPROFILE4 Luminaire Advanced Control

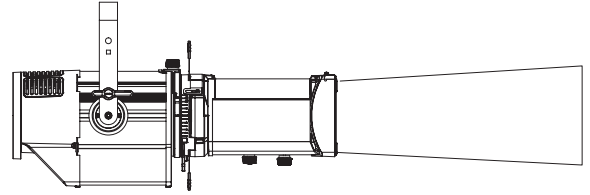
- ① LCD Menu Display
- ② Local controls offer the ability to access preset color temperatures; locally stored custom presets adjust intensity; colors and motorized focus.



Strand Lighting Light Palette VL



PLPROFILE4 Luminaire LED Engine



### Photometrics - 19 Degree Beam (Lux)

Beam Diameter (in metres)	0.5	1.1	1.6	2.6	3.9
Throw Distance (in metres)	2	4	6	10	15

#### Central Illumination (Lux)

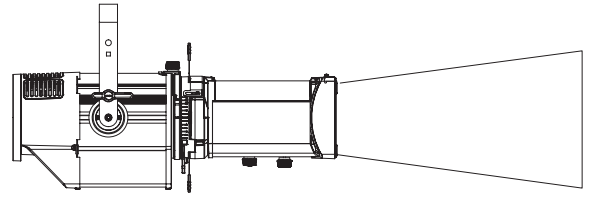
RGBW at 100%	22950	5738	2550	918	408
Warm White	17375	4344	1931	695	309
Cool White	21344	5336	2372	854	379
Daylight	21388	5347	2376	856	380
Red Only	4688	1172	521	188	83
Green Only	15631	3908	1737	625	278
Blue Only	963	241	107	39	17
White Only	11025	2756	1225	441	196

### Photometrics - 19 Degree Beam (Footcandles)

Beam Diameter (in feet)	1' - 7"	3' - 7"	5' - 3"	8' - 6"	12' - 9"
Throw Distance (in feet)	6' - 6"	13' - 1"	19' - 8"	32' - 9"	49' - 2"

#### Central Illumination (Footcandles)

RGBW at 100%	2132	533	236	85	37
Warm White	1614	403	179	64	28
Cool White	1982	495	220	79	35
Daylight	1987	496	220	79	35
Red Only	435	108	48	17	8
Green Only	1452	363	161	58	25
Blue Only	89	22	10	3.5	1.5
White Only	1024	256	113	40	18



### Photometrics - 36 Degree Beam (Lux)

Beam Diameter (in metres)	2.0	4.1	6.1	10.2	15.3
Throw Distance (in metres)	2	4	6	10	15

#### Central Illumination (Lux)

RGBW at 100%	7350	1838	817	294	131
Warm White	5469	1367	608	219	97
Cool White	6725	1681	747	269	120
Daylight	7506	1877	834	300	133
Red Only	1450	363	161	58	26
Green Only	4938	1234	549	198	88
Blue Only	306	77	34	12	5
White Only	3488	872	388	140	62

### Photometrics - 36 Degree Beam (Footcandles)

Beam Diameter (in feet)	6' - 6"	13' - 6"	20' - 0"	33' - 6"	50' - 2"
Throw Distance (in feet)	6' - 6"	13' - 1"	19' - 8"	32' - 9"	49' - 2"

#### Central Illumination (Footcandles)

RGBW at 100%	682	170	75	27	12
Warm White	508	128	56	20	9
Cool White	624	156	69	24	11
Daylight	697	174	77	27	12
Red Only	134	33	14	53	2.4
Green Only	450	114	51	18	8.1
Blue Only	28	7.1	3.1	1.1	0.5
White Only	324	8.1	36	13	5.7

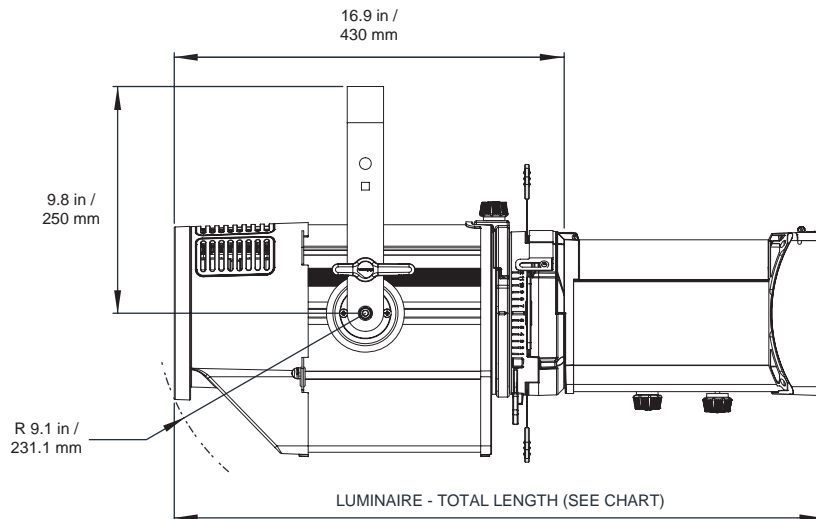


## Luminaire Dimensional Chart

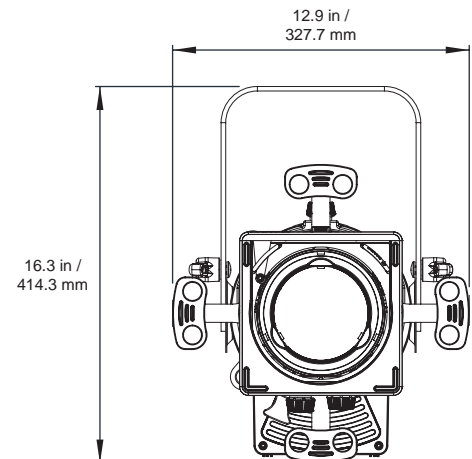
	Angle (°)	Lens Tube Length		Luminaire Total Length	
		Metric (mm)	Imperial (in)	Metric (mm)	Imperial (in)
Fixed	14	400	15.7	835	32.9
	19	310	12.2	745	29.3
	26	270	10.6	705	27.7
	36	250	9.8	685	27.0
Zoom	50	200	7.9	635	25.0
	15-35	370	14.6	805	31.7
	25-50	280	11.0	715	28.1

## Dimensions

Side View



Front View



## Technical Specifications

## Electrical Specifications

Source:	4 Each, True RGBW 120W LED chip
Operating Voltages:	100 to 240 Volts AC (auto-ranging)
Frequency:	50/60 Hz
Current Draw:	6.0 Amps (100V) / 2.5 Amps (240V) - Maximum load with all LEDs at full RGBW
Maximum Thru (AC):	20 Amps at thru connector
Ambient Temperature:	0° to 40°C (32° to 104°F)
Control:	On-Board Menu / DMX512A
DMX512 Channels:	15 Channels (16-Bit Mode) 9 Channels (8-Bit Mode) 3 Channels (3-Channel Mode)
Standards Compliance:	cETLus Listed and CE Marked

## Mechanical Specifications

Construction:	Machined aluminum, sheet metal, and molded engineering grade plastic components
Color:	Black
Weight:	25.2 lbs / 11.5 kg (luminaire engine/shutter/yoke assemblies only)

## Optical Specifications

Output:	> 6,000 lumens (white light)
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## Ordering Information

## Cat No. Description

## PLPROFILE4 LED Luminaires

PLPF4-03	PLPROFILE4 LED Luminaire LED Engine Only, Black, with C-Clamp, Top Box, Top Box Bolt, Safety Cable and PowerCon AC Input Connector
PLPF4-03-14	PLPROFILE4 LED Luminaire LED Engine, Black, with Axial Ellipsoidal 14° Fixed Beam Lens (SPX19LT), C-Clamp, Top Box, Top Box Bolt, Safety Cable and AC Input Cable (PC1XX*)
PLPF4-03-19	PLPROFILE4 LED Luminaire LED Engine, Black, with Axial Ellipsoidal 19° Fixed Beam Lens (SPX19LT), C-Clamp, Top Box, Top Box Bolt, Safety Cable and AC Input Cable (PC1XX*)
PLPF4-03-26	PLPROFILE4 LED Luminaire LED Engine, Black, with Axial Ellipsoidal 26° Fixed Beam Lens (SPX26LT), C-Clamp, Top Box, Top Box Bolt, Safety Cable and AC Input Cable (PC1XX*)
PLPF4-03-36	PLPROFILE4 LED Luminaire LED Engine, Black, with Axial Ellipsoidal 36° Fixed Beam Lens (SPX36LT), C-Clamp, Top Box, Top Box Bolt, Safety Cable and AC Input Cable (PC1XX*)
PLPF4-03-50	PLPROFILE4 LED Luminaire LED Engine, Black, with Axial Ellipsoidal 50° Fixed Beam Lens (SPX50LT), C-Clamp, Top Box, Top Box Bolt, Safety Cable and AC Input Cable (PC1XX*)
PLPF4-03-1535	PLPROFILE4 LED Luminaire LED Engine, Black, with Axial Ellipsoidal 15° to 35° Zoomspot Lens (SPX1535LT), C-Clamp, Top Box, Top Box Bolt, Safety Cable and AC Input Cable (PC1XX*)
PLPF4-03-2550	PLPROFILE4 LED Luminaire LED Engine, Black, with Axial Ellipsoidal 25° to 50° Zoomspot Lens (SPX1535LT), C-Clamp, Top Box, Top Box Bolt, Safety Cable and AC Input Cable (PC1XX*)

\*Specify AC input connector at time of ordering (**GR** - Edison / **GP** - Grounded Stagepin / **GTL** - Twistlock).

## Accessories - Clamps

<b>SC</b>	Selecon Molded Yoke Rated C-Clamp
<b>MC</b>	Mega Claw, Black Anodized

## Accessories - Luminaire Software Uploader Cable

<b>PLUPLD</b>	USB Luminaire Software Programming Kit (for updating or reloading luminaire software only) - includes USB to DMX Dongle, Uploader Program, and Carry Bag
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## Accessories - Lens / Projection

<b>20IRIS</b>	20-Leaf SPX Iris
<b>SPXGHB</b>	SPX Gobo Holder, Size B, for Metal Gobos
<b>SPXGHB</b>	SPX Gobo Holder, Size B, for Glass Gobos
<b>19PACCF</b>	SPX Color Frame, Spare
<b>19PACSMFB</b>	SPX Lens Safety, Mesh
<b>19SPXCF</b>	SPX Replacement Color Frame, 6-1/4" Square, Black
<b>SPX14LT</b>	SPX Axial Ellipsoidal 14° Fixed Beam Lens Tube Only
<b>SPX19LT</b>	SPX Axial Ellipsoidal 19° Fixed Beam Lens Tube Only
<b>SPX26LT</b>	SPX Axial Ellipsoidal 26° Fixed Beam Lens Tube Only
<b>SPX36LT</b>	SPX Axial Ellipsoidal 36° Fixed Beam Lens Tube Only
<b>SPX50LT</b>	SPX Axial Ellipsoidal 50° Fixed Beam Lens Tube Only
<b>SPX1535LT</b>	SPX Axial Ellipsoidal 15° to 35° Zoomspot Lens Tube Only
<b>SPX2550LT</b>	SPX Axial Ellipsoidal 25° to 50° Zoomspot Lens Tube Only

## Accessories - AC Power Input Cables

<b>PC1BE</b>	PL Series Luminaire AC Power Input Cable (39 inches / 1 meter), Powercon without AC connector (bare end)
<b>PC1GP</b>	PL Series Luminaire AC Power Input Cable (39 inches / 1 meter), Powercon with Stagepin Connector
<b>PC1GTL</b>	PL Series Luminaire AC Power Input Cable (39 inches / 1 meter), Powercon with Twistlock Connector
<b>PC1GR</b>	PL Series Luminaire AC Power Input Cable (39 inches / 1 meter), Powercon with Edison Connector

## Accessories - AC Interconnect Cables

<b>PC3PC</b>	PL Series Luminaire PowerCon Male to PowerCon Female 2.5 Meter Cable for interconnection between units
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## Accessories - Wireless DMX512 Receivers

<b>PL1WDMX03</b>	W-DMX Wireless DMX512 Receiver (Wireless Solutions) Black
<b>PL1LDMX03</b>	Lumen Radio Wireless DMX512 Receiver Black
<b>PL1SDMX03</b>	City Theatrical Wireless DMX512 Receiver Black

## Accessories - Wireless DMX512 Transmitters

<b>PL1WDMXTR</b>	W-DMX Wireless DMX512 Transmitter
<b>PL1LDMXTR</b>	Lumen Radio Wireless DMX512 Transmitter
<b>PL1SDMXTR</b>	City Theatrical Wireless DMX512 Base Transmitter

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