

DATE

PROJECT

TYPE

PL SERIES | Precedent Performance LED Linear Series

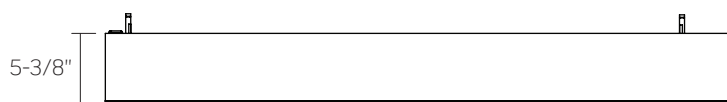


**DISCONTINUED ITEM:
LIMITED INVENTORY**
Consult Factory for Availability

Top View





Front View



Side View



	PL4: 4 Ft/48 In			PL8: 8 Ft/96 In			
LED SERIES	1: 7W/Ft	2: 10W/Ft	3: 13W/Ft	1: 7W/Ft	2: 10W/Ft	3: 13W/Ft	
TOTAL WATTAGE	28W	40W	57W	57W	81W	113W	
LUMEN OUTPUT ¹ PER FOOT	800Lm	1200Lm	1500Lm	800Lm	1200Lm	1500Lm	
TOTAL LUMEN OUTPUT ¹	3200Lm	4400Lm	6000Lm	6400Lm	8800Lm	12000Lm	
COLOR TEMPERATURE	2700K / 3000K / 3500K / 4000K / 5000K (83 CRI Only)						
CRI	83 (80min) / 90+						
OPTICS	Flood / Shelf / Stack / Asymmetric						
MOUNTING	Suspended Mount						
MAX RUN LENGTH							
	120V	204 Ft	136 Ft	104 Ft	204 Ft	136 Ft	104 Ft
	277V	460 Ft	320 Ft	232 Ft	460 Ft	320 Ft	232 Ft
CIRCUIT CONTROL	Single / Two Wire / Three Wire						
DIMMING	0-10V						
FINISH	Black (B), White (P), Silver (S)						
LISTINGS	cCSAus Certified for use in the U.S. and Canada See attached "PL Series DLC Qualified Luminaires (V5.1)" sheet for complete list of DLC Qualified Luminaires Must be installed in accordance to all product specific installation instructions and appropriate National Electrical Codes						
	 						
WARRANTY	Five (5) year replacement after date of purchase						
SYSTEM RATING	50,000 Hours @ 70% Lumen Maintenance						

1. Approximate lumen output based on 3000K performance; see photometric test results for additional information

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ORDERING INFORMATION

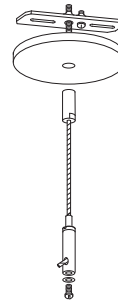
Example Order: PL4235KS1CMVEM - P

Length	LED Series ¹	CCT/CRI	Beam	Circuit Control	Dimming	Battery Backup	Finish
PL4 - 4 Ft 48 In	1 - 800Lm/7W per Foot	<i>83 (80min) CRI</i> 27K - 2700K	F - Flood S - Shelf/Stack	1C - Single Circuit Wiring	MV - 120V - 277V No Dimming	- No Battery, Leave Blank	B - Black P - White
PL8 - 8 Ft 96 In	2 - 1200Lm/10W per Foot	30K - 3000K 35K - 3500K	A - Asymmetric	2C - Two Circuit Wiring	MVD2 - 120V - 277V 0-10V Dimming	EM - Emergency Battery	S - Silver
	3 - 1500Lm/13W per Foot	40K - 4000K 50K - 5000K <i>90+ CRI</i> 27KC - 2700K 30KC - 3000K 35KC - 3500K 40KC - 4000K		3C - Three Circuit Wiring			

1. Approximate Lumen output based on 3000K performance; see photometric test results for additional information

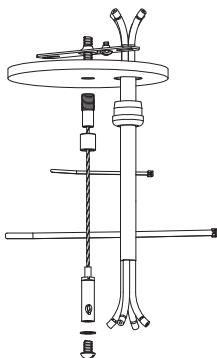
Accessories

- PLLOUVER2-(B,P,S)** - 2 Ft Snap-in Louver
Black, White or Silver Finish
- PLSTH** - Threaded Rod Support Kit
Brackets with Hardware. For use with 3/8 to 1/2 inch
Threaded Rod
- PLEC-(B,P,S)** - End Cap Set
Includes Two (2) End Caps for Full Run and Mounting
Hardware. Complete End Cap Set included with every
Power Feed Set. Black, White or Silver Finish
- PLJK-(B,P,S)** - Joiner Kit
Includes Fixture Joiner Bracket Hardware and Light
Leak Shields. Complete Joiner Kit included with every
luminaire. Black, White or Silver Finish



Aircraft Cable Support System

- PLSAC10-(B,P,S)** - 10 Foot Aircraft Cable Support
Includes Canopy, Adjustable Aircraft
Support Cable and Mounting Hardware.
Black, White or Silver Finish
- PLSAC20-(B,P,S)** - 20 Foot Aircraft Cable Support
Includes Canopy, Adjustable Aircraft
Support Cable and Mounting Hardware.
Black, White or Silver Finish



Power Feed Canopy Set

Includes Canopy, Supply Cable (12 ga. SJT), Mounting Hardware, One (1) Aircraft Cable Support and End Cap Set

Circuit Control	Dimming Control Feed	Battery Back-Up	Drop Length	Finish
PLF1C - Single Circuit Wiring PLF2C - Two Circuit Wiring PLF3C - Three Circuit Wiring	- No Dimming: Leave Blank D2 - 120V - 277V 0-10V Dimming	- None: Leave Blank EM - Emergency Battery Feed	10 - 10Ft Drop 20 - 20Ft Drop	B - Black P - White S - Silver

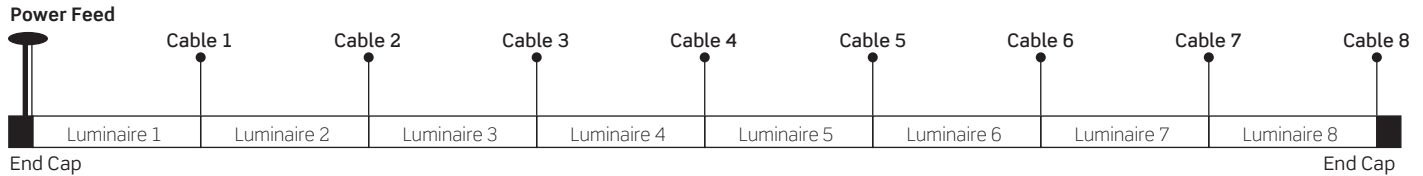
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EXAMPLE BILL OF MATERIAL: AISLE



64 Ft. Aisle
 One (1) Control Drop, 0-10V Dimming
 1500Lm/Ft, 3000K, 90+ CRI, White Finish

Luminaires: Eight (8) PL8330KCS1CMVD2-P
Power Feed: One (1) PLF1CD210-P
Supports: Eight (8) PLSAC10-P

PRODUCT DETAILS

Construction

- An innovative LED solution for general illumination in grocery, retail, and other aisle environments
- Custom designed optics provide varied distributions to allow for superior beam control and lighting uniformity in both vertical and horizontal planes
- Delivers up to 1500 Lm/Ft at 3000K, 90+CRI; ensuring superior lighting coverage, consistency and glare control
- Extruded Aluminum housings in 4 foot and 8 foot lengths for installation in both new and retrofit environments
- Sections come complete with Quick Connects between units to allow for easy runs of multiple luminaires
- Suspended mounting; 10 foot and 20 foot field adjustable Aircraft Support accessories available
- Body construction accepts 1/4 inch Threaded Rod (Rod and hardware provided by others); accessory to accept up to 1/2 inch Threaded Rod available
- Optional Horizontal Louvers

Performance Summary

- Light engine consists of 4 foot LED boards designed with integrated thermal management components
- 2700K, 3000K, 3500K and 4000K CCTs; 83+ or 90+ CRI
- Excellent fixture-to-fixture color consistency with a 3-step MacAdam Ellipse tolerance
- 120-277V, 50/60Hz Input
- Single, Two or Three Circuit wiring
- 0-10V Dimming control options
- Three custom optics designed to provide industry leading illumination levels and consistency:
 - Flood optic provides general illumination in both the horizontal and vertical planes
 - Shelf/Stack optic delivers industry leading illumination consistency across a 7 foot vertical plane, while providing general aisle floor illumination
 - Asymmetric optic delivers consistent vertical illumination to either the left or the right of center allowing for wall washing or single sided aisle lighting
- Up- Light Kits available for indirect accent lighting additions to the Precedent Linear Series
- Assembled in the USA

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PHOTOMETRICS

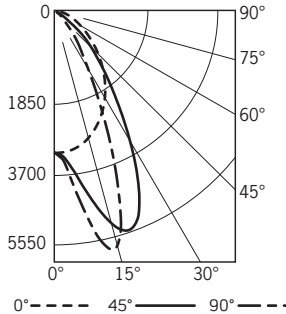
PL4330KCS1CMVD2

Fixture Delivered Lumens: 5756
 Total Watts@120V: 59.4
 Lumens Per Watt: 96.9
 Center Beam Candle Power: 2588
 Beam Distribution: 19.1° @ 90°
 Spacing Criterion: 0.99 @ 90°
 Color Rendering Index (CRI)¹: 95
 Color Temperature (CCT)²: 3073K
 Designed for 50,000 Hour Lamp Life³
 LM-63 Test No. 89001
 LM-79 Test No. 89001

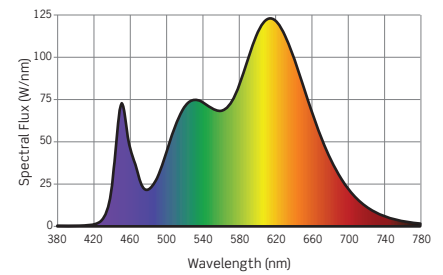
Intensity Distribution

DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIAMETER (FT.)
6 FT	71.9	7.5
8 FT	40.4	10.1
10 FT	25.9	12.6
12 FT	18.0	15.1
14 FT	13.2	17.6
16 FT	10.1	20.1

Candela Curve



Spectral Power Distribution Chart⁴



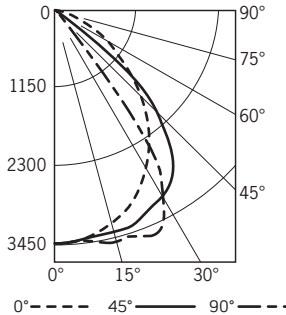
PL4330KCF1CMVD2

Fixture Delivered Lumens: 6124
 Total Watts@120V: 60.5
 Lumens Per Watt: 101.2
 Center Beam Candle Power: 3414
 Beam Distribution: 87.6° @ 0°
 Spacing Criterion: 1.15 @ 0°
 Color Rendering Index (CRI)¹: 95
 Color Temperature (CCT)²: 3073K
 Designed for 50,000 Hour Lamp Life³
 LM-63 Test No. 88397
 LM-79 Test No. 89001

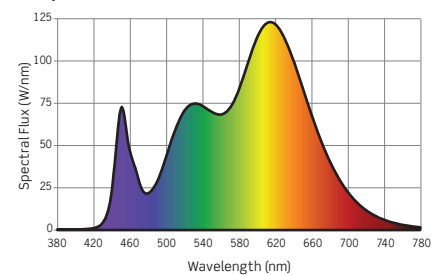
Intensity Distribution

DISTANCE (FT.)	FOOTCANDLES (FC)	BEAM DIAMETER (FT.)
6 FT	94.8	7.6
8 FT	53.3	10.1
10 FT	34.1	12.6
12 FT	23.7	15.2
14 FT	17.4	17.7
16 FT	13.3	20.2

Candela Curve



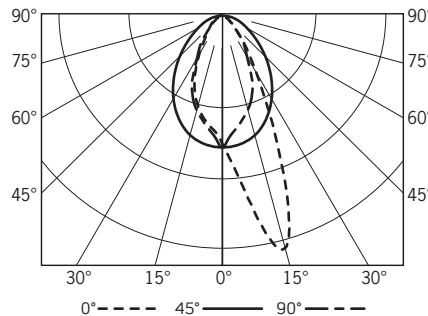
Spectral Power Distribution Chart⁴



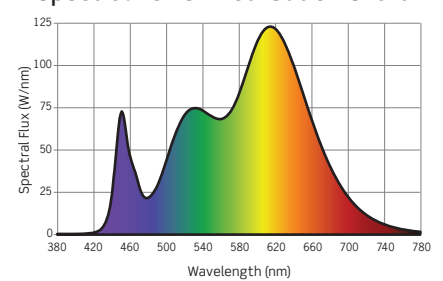
PL4330KCA1CMV

Fixture Delivered Lumens: 5534
 Total Watts@120V: 61.0
 Lumens Per Watt: 90.7
 Center Beam Candle Power: 3364
 Beam Distribution: 27° (at 0°) x 33° (at 90°)
 Spacing Criterion: 1.15 @ 0°
 Color Rendering Index (CRI)¹: 95
 Color Temperature (CCT)²: 3073K
 Designed for 50,000 Hour Lamp Life³
 LM-63 Test No. 88877
 LM-79 Test No. 89001

Candela Curve



Spectral Power Distribution Chart⁴



1. Accuracy of Rendering Colors 2. Color Appearance of Light Source 3. Dependent on Surrounding Temperatures 4. Colors Present within the Light Source

PHOTOMETRIC MULTIPLICATION FACTORS

Lumen output values fluctuate based on Color Temperature and Luminaire Wattage/Output. To estimate lumen output of these various options, multiply the 3000K, 90+ CRI results by the following:

CCT MULTIPLIERS						OUTPUT MULTIPLIERS	
CCT	STD CRI	HIGH CRI	CCT	STD CRI	HIGH CRI	SERIES 1	SERIES 2
2700K	1.12	0.98	4000K	1.15	1.05	0.53	0.78
3000K	1.13	1.00	5000K	1.21	N/A		
3500K	1.15	1.01					

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PL SERIES DLC QUALIFIED LUMINAIRES (V5.1)

PL4230KCA[1C,2C,3C]MVD2[BLANK,EM]-[B,P,S]
 PL4140KF[1C,2C,3C]MVD2[BLANK,EM]-[B,P,S]
 PL8350KA[1C,2C,3C]MVD2[BLANK,EM]-[B,P,S]
 PL4227KCA[1C,2C,3C]MVD2[BLANK,EM]-[B,P,S]
 PL8135KA[1C,2C,3C]MVD2[BLANK,EM]-[B,P,S]
 PL8140KCF[1C,2C,3C]MVD2[BLANK,EM]-[B,P,S]
 PL8150KA[1C,2C,3C]MVD2[BLANK,EM]-[B,P,S]
 PL4327KF[1C,2C,3C]MVD2[BLANK,EM]-[B,P,S]
 PL8227KA[1C,2C,3C]MVD2[BLANK,EM]-[B,P,S]
 PL8330KF[1C,2C,3C]MVD2[BLANK,EM]-[B,P,S]
 PL8327KA[1C,2C,3C]MVD2[BLANK,EM]-[B,P,S]
 PL4350KF[1C,2C,3C]MVD2[BLANK,EM]-[B,P,S]
 PL8230KCF[1C,2C,3C]MVD2[BLANK,EM]-[B,P,S]
 PL4230KCS[1C,2C,3C]MVD2[BLANK,EM]-[B,P,S]
 PL8135KCS[1C,2C,3C]MVD2[BLANK,EM]-[B,P,S]
 PL4235KCA[1C,2C,3C]MVD2[BLANK,EM]-[B,P,S]
 PL4327KS[1C,2C,3C]MVD2[BLANK,EM]-[B,P,S]
 PL8227KF[1C,2C,3C]MVD2[BLANK,EM]-[B,P,S]
 PL8227KS[1C,2C,3C]MVD2[BLANK,EM]-[B,P,S]
 PL8130KS[1C,2C,3C]MVD2[BLANK,EM]-[B,P,S]
 PL4240KS[1C,2C,3C]MVD2[BLANK,EM]-[B,P,S]
 PL4235KCF[1C,2C,3C]MVD2[BLANK,EM]-[B,P,S]
 PL8140KS[1C,2C,3C]MVD2[BLANK,EM]-[B,P,S]
 PL8340KS[1C,2C,3C]MVD2[BLANK,EM]-[B,P,S]
 PL4240KCA[1C,2C,3C]MVD2[BLANK,EM]-[B,P,S]
 PL8327KS[1C,2C,3C]MVD2[BLANK,EM]-[B,P,S]
 PL4135KCA[1C,2C,3C]MVD2[BLANK,EM]-[B,P,S]
 PL4140KA[1C,2C,3C]MVD2[BLANK,EM]-[B,P,S]
 PL4335KS[1C,2C,3C]MVD2[BLANK,EM]-[B,P,S]
 PL8127KCF[1C,2C,3C]MVD2[BLANK,EM]-[B,P,S]
 PL4235KS[1C,2C,3C]MVD2[BLANK,EM]-[B,P,S]
 PL4127KCF[1C,2C,3C]MVD2[BLANK,EM]-[B,P,S]
 PL8130KF[1C,2C,3C]MVD2[BLANK,EM]-[B,P,S]
 PL8240KA[1C,2C,3C]MVD2[BLANK,EM]-[B,P,S]
 PL4135KS[1C,2C,3C]MVD2[BLANK,EM]-[B,P,S]
 PL8140KA[1C,2C,3C]MVD2[BLANK,EM]-[B,P,S]
 PL8235KCF[1C,2C,3C]MVD2[BLANK,EM]-[B,P,S]
 PL4135KCS[1C,2C,3C]MVD2[BLANK,EM]-[B,P,S]
 PL8230KF[1C,2C,3C]MVD2[BLANK,EM]-[B,P,S]
 PL8250KS[1C,2C,3C]MVD2[BLANK,EM]-[B,P,S]
 PL8127KA[1C,2C,3C]MVD2[BLANK,EM]-[B,P,S]
 PL4350KS[1C,2C,3C]MVD2[BLANK,EM]-[B,P,S]
 PL4340KF[1C,2C,3C]MVD2[BLANK,EM]-[B,P,S]
 PL4227KCF[1C,2C,3C]MVD2[BLANK,EM]-[B,P,S]
 PL4127KA[1C,2C,3C]MVD2[BLANK,EM]-[B,P,S]
 PL8350KF[1C,2C,3C]MVD2[BLANK,EM]-[B,P,S]
 PL4150KF[1C,2C,3C]MVD2[BLANK,EM]-[B,P,S]

PL4350KA[1C,2C,3C]MVD2[BLANK,EM]-[B,P,S]
 PL8150KS[1C,2C,3C]MVD2[BLANK,EM]-[B,P,S]
 PL4230KA[1C,2C,3C]MVD2[BLANK,EM]-[B,P,S]
 PL4250KS[1C,2C,3C]MVD2[BLANK,EM]-[B,P,S]
 PL8135KF[1C,2C,3C]MVD2[BLANK,EM]-[B,P,S]
 PL8235KS[1C,2C,3C]MVD2[BLANK,EM]-[B,P,S]
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 PL4235KF[1C,2C,3C]MVD2[BLANK,EM]-[B,P,S]
 PL4250KA[1C,2C,3C]MVD2[BLANK,EM]-[B,P,S]
 PL4127KF[1C,2C,3C]MVD2[BLANK,EM]-[B,P,S]
 PL8250KF[1C,2C,3C]MVD2[BLANK,EM]-[B,P,S]
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 PL4140KCF[1C,2C,3C]MVD2[BLANK,EM]-[B,P,S]
 PL4340KCS[1C,2C,3C]MVD2[BLANK,EM]-[B,P,S]
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