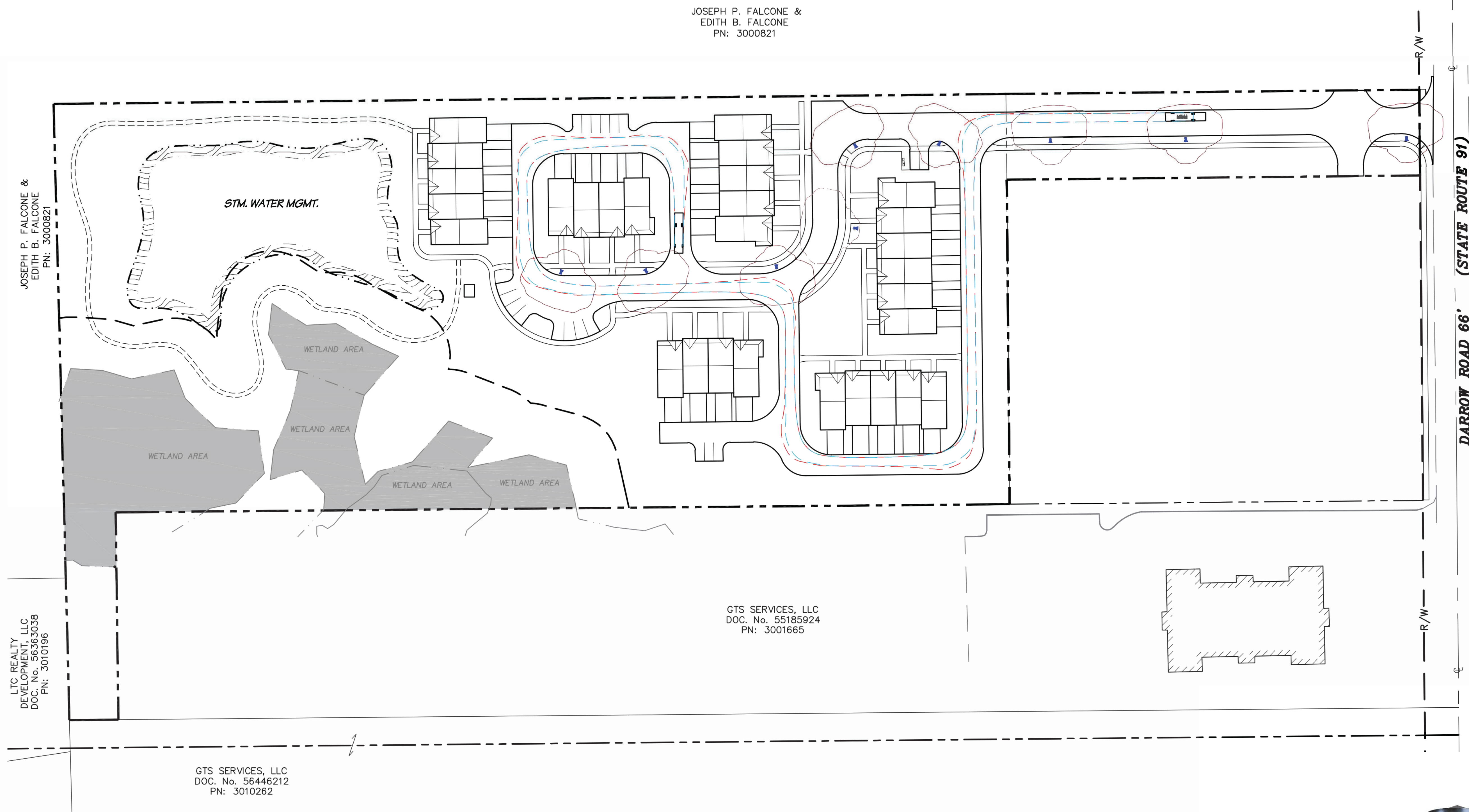




JOSEPH P. FALCONE &
EDITH B. FALCONE
PN: 3000821

LTC REALTY
DEVELOPMENT, LLC
DOC. No. 56363038
PN: 3010196

GTS SERVICES, LLC
DOC. No. 55185924
PN: 3001665

GTS SERVICES, LLC
DOC. No. 56446212
PN: 3010262

Schedule											
Symbol	Label	Image	Quantity	Manufacturer	Catalog Number	Description	Number Lamps	Lumens Per Lamp	Light Loss Factor	Wattage	Plot
	B		27	American Electric Lighting	247CL P202 XXXX 40K R4	247CL American Revolution LED Full Cutoff, P202 Performance Package, 4000K CCT, R4 Distribution,	1	7964	1	80	 Max: 5159cd





ASSEMBLY SUBMITTAL SPEC SHEET

JOB NAME: Presreves of Hudson
JOB LOCATION: Hudson, Ohio
QUOTE NUMBER:
SUBMITTAL TYPE:

CONTENTS

Type	Description
	247CL P202 MVOLT 40K R4 BK NR AO SCC AORTA 10 40C C03 NDR BK ABG BCV ASSY30026

NOTES

**Job Name:**

Preserves of Hudson

Job Location:

Hudson, Ohio

Quote No:**Type:****Catalog Number:**

247CL P202 MVOLT 40K R4 BK (CSA) NR AO SCC (10KV) AORTA 10 40C C03 NDR BK ABG BCV ASSY30026

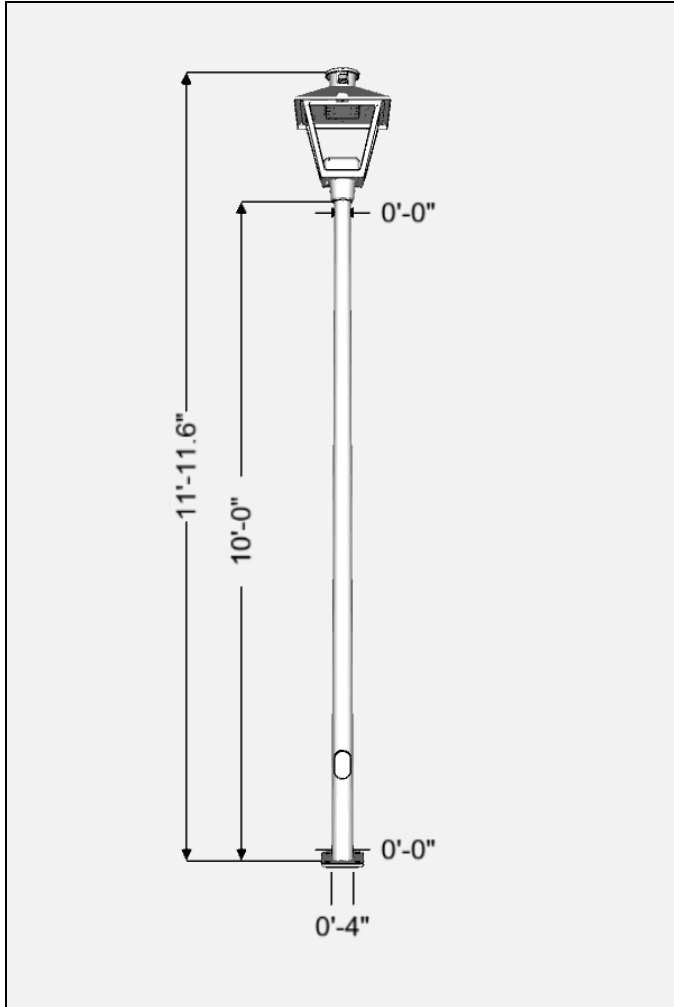
0° View



90° View

**Ordering Information****Luminaire****Catalog Number:** 247CL P202 MVOLT 40K R4 BK (CSA) NR AO SCC (10KV)**Series:** (247CL) American Revolution LED, Full Cut-off**Lumen Package:** (P202) P202 Performance Package**Voltage:** (MVOLT) 120-277V**Lamp Color:** (40K) 4000K**Distribution:** (R4) Roadway Type IV**Paint:** (BK) Black**Listing:** ((CSA)) CSA listed (standard)**Photocontrol Receptacle:** (NR) No photocontrol receptacle**Dimming:** (AO) Field adjustable output module**Cupola:** (SCC) Standard cupola cover**Surge Protection:** ((10KV)) 10kV/5kA fail off (standard)**Pole****Catalog Number:** AORTA 10 40C C03 NDR BK ABG BCV**Series:** (AORTA) Round tapered aluminum pole**Pole Height:** (10) 10FT**Pole Diameter:** (40C) 4.0 x 3.0 x .125 wall**Pole Top Mounting:** (C03) Tenon, 3.00 O.D. x 3IN tall**Pole Top Drill Pattern:** (NDR) No drill pattern**Finish:** (BK) Black**Base Mounting:** (ABG) Anchor bolt (galvanized steel)**Base Cover:** (BCV) Base cover**Anchor Bolt****Catalog Number:** AB-26-4**Anchor Bolt:** (AB-26-4) AB-26-4**Anchor bolt template****Catalog Number:** TMP-113**Anchor Bolt Template Number:** (TMP-113) TMP-113

Assembly Drawing



Description	Height/Width
Assembly Overall Height	11'-11.6"
Luminaire Mounting Height	10'-0"
Pole Height	10'-0"
Pole Shaft OD At Top	0'-0"
Pole Shaft OD At Bottom	0'-0"
Pole Base Height	0'-0"
Pole Base Width	0'-4"

Windload

Passed Wind Speed: 90 mph

Windload Result: 22%

Evaluated per: AASHTO 2009

Anchorage/Orientation Plan

Note: Door = Hand Hole

Ordering Information

Qty	Catalog Number
1	247CL P202 MVOLT 40K R4 BK NR AO SCC
1	AORTA 10 40C C03 NDR BK BCV
1	AB-26-4
1	TMP-113

Customer Approval Signature:

Date:

Submittal Spec Sheet

Dynamically Generated
Series: 247CL

Date:

Project:

Group/Type:

Qty:

Series 247CL LED - Full Cutoff

American Revolution LED Post-top Lantern - Full Cutoff

Product Submittal Description:

American Revolution LED, Full Cut-off, P202, 80W Lumens (nominal)
8,100, 120-277V, 4000K, Roadway Type IV, Black, CSA listed
(standard), No photocontrol receptacle, Field adjustable output module,
Standard cupola cover, 10kV/5kA fail off (standard)



*The product images shown are for illustration purposes only
and may not be an exact representation of the product.*

↓ IES Files

↓ BIM Models

↓ Full Spec Sheet

Product Webpage: www.acuitybrands.com/products/detail/318027

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

Model #: 247CL P202 MVOLT 40K R4 BK (CSA) NR AO SCC (10KV) ✓

Series*		Lumen Package*				Voltage*			
247CL	American Revolution LED, Full Cut-off	P101	P101, 20W Lumens (nominal) 2,300		P201	P201, 70W Lumens (nominal) 7,400		HVOLT	347-480V
		P102	P102, 30W Lumens (nominal) 3,100		P202	P202, 80W Lumens (nominal) 8,100		MVOLT	120-277V
		P103	P103, 40W Lumens (nominal) 4,000		P300	P300, 41W Lumens (nominal) 4,800		XVOLT	277-480V
		P104	P104, 49W Lumens (nominal) 4,800		P301	P301, 60W Lumens (nominal) 7,000			
		P151	P151, 30W Lumens (nominal) 3,500		P302	P302, 70W Lumens (nominal) 7,800			
		P152	P152, 40W Lumens (nominal) 4,300		P303	P303, 80W Lumens (nominal) 8,600			
		P153	P153, 50W Lumens (nominal) 5,200						
		P154	P154, 60W Lumens (nominal) 6,000						
		P155	P155, 70W Lumens (nominal) 6,800						
Lamp Color*		Distribution*		Paint*		Listing			
27K	2700K	R2	Roadway Type II	BK	Black	(CSA)	CSA listed (standard)		
30K	3000K	R3	Roadway Type III	BZ	Bronze	XL	No listing		
40K	4000K	R4	Roadway Type IV	DDB	Dark Bronze				
		R5	Roadway Type V	GY	Gray				
				WH	White				
Photocontrol Receptacle*		Photocontrol		Dimming*		Hardware			
NR	No photocontrol receptacle	P34	DTL twistlock photocontrol 347V	AO	Field adjustable output module	SS	Stainless Steel Fasteners		
PR3	3-pin NEMA twistlock	P48	DTL twistlock photocontrol 480V	DALI	DALI driver				
PR7	7-pin NEMA twistlock	PCLL	Solid-state long life photocontrol	ZT	0-10V dimming				
		PCSS	Solid-state lighting photocontrol						
		SH	Shorting Cap						

Submittal Spec Sheet

Dynamically Generated

Series: 247CL

Date:

Project:

Group/Type:

Qty:

Entry	Label	Ladder Rest	Cupola*
TL Tool-less wing screw entry	NL1X1 1IN x 1IN NEMA label NL2X2 2IN x 2IN NEMA label	LDR Ladder rest	SCC Standard cupola cover SNC Cupola for smart node XC No cupola
Corrosion Resistant Finish	Surge Protection*	House Side Shield	Prewired Leads
CR Corrosion resistant finish	(10KV) 10KV/5kA fail off (standard) 20KV SPD-20KV/10kA	HSS House side shield	L03 3ft prewire leads L10 10ft prewire leads L1H 1ft prewire leads L20 20ft prewire leads L25 25ft prewire leads L30 30ft prewire leads
Special wording			
BAA Buy America(n) Act and/or Build America Buy America Qualified			

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Not all versions of the product are available with all options.

Specifications subject to change without notice.

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.

See the full specification sheet at the product page link above for full product information and detailed ordering information.

Certain airborne contaminants can diminish the integrity of acrylic and/or polycarbonate.

Visit: <http://www.acuitybrandslighting.com/library/ll/documents/specsheets/acrylic-polycarbonate-compatibility.pdf> for Acrylic-Polycarbonate Compatibility table for suitable uses.

All trademarks referenced are property of their respective owners.



Submittal Spec Sheet

Dynamically Generated

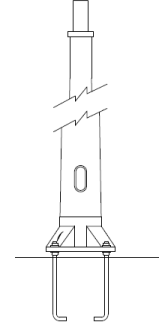
Series: AORTA

AORTA Pole

Round tapered aluminum pole (AORTA)

Product Submittal Description:

Round tapered aluminum pole, 10FT, 4.0 x 3.0 x .125 wall, Tenon, 3.00 O.D. x 3IN tall, No drill pattern, Black, Anchor bolt (galvanized steel), Base cover



The product images shown are for illustration purposes only and may not be an exact representation of the product.

[↓ IES Files](#)

[↓ BIM Models](#)

[↓ Full Spec Sheet](#)

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

Model #: **AORTA 10 40C C03 NDR BK ABG BCV** ✓

Series*		Pole Height*				Pole Diameter*	
AORTA	Round tapered aluminum pole	08	8FT	35	35FT	10G	10.0 x 6.0 X .188 wall
		10	10FT	39	39FT	10J	10.0 x 6.0 X .250 wall
		12	12FT			40C	4.0 x 3.0 x .125 wall
		14	14FT			50C	5.0 x 3.0 X .125 wall
		16	16FT			50E	5.0 x 3.0 X .156 wall
		18	18FT			50G	5.0 x 3.0 X .188 wall
		20	20FT			60E	6.0 x 4.0 X .156 wall
		25	25FT			60G	6.0 x 4.0 X .188 wall
		30	30FT			70E	7.0 x 4.0 X .156 wall
Pole Diameter* (Cont...)		Pole Top Mounting*				Pole Top Drill Pattern*	
80E	8.0 x 4.5 X .156 Wall	B04	Tenon, 2.38 O.D. x 4IN tall	D04	D4, drilling For 4 units @ 90	NDR	No drill pattern
80G	8.0 x 4.5 X .188 wall	B06	Tenon, 2.38 O.D. x 6IN tall	D05	D5, drilling For 2 units @ 90		
80J	8.0 x 4.5 X .250 wall	C03	Tenon, 3.00 O.D. x 3IN tall	E06	Tenon, 3.50 O.D. x 6IN tall		
		C04	Tenon, 2.88 O.D. x 4IN tall	E08	3 1/2 x 8 tenon		
		C05	3 x 5 tenon	F06	Tenon, 4.00 O.D. x 6IN tall		
		C09	3 x 9 tenon	PLN	Plain pole cap		
		D01	D1, drilling for 1 unit				
		D02	D2, drilling For 2 units @ 180				
		D03	D3, drilling For 3 units @ 90				
Finish*		Base Mounting*		Festoon		Base Cover	
BK	Black	ABG	Anchor bolt (galvanized steel)	FST	Festoon box	BCV	Base cover
BZ	Bronze	LAB	Less anchor bolt				
DDB	Dark bronze						
GN	Green						
GR	Gray						
ST	Satin brush						
WH	White						





Submittal Spec Sheet

Dynamically Generated
Series: AORTA

Fasteners	Dampener	Territory Compliance
TRF Tamper resistant fasteners	VDA Vibration dampener	BAA Buy America(n) Act and/or Build America Buy America Qualified

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All trademarks referenced are property of their respective owners.



American Revolution Full Cutoff LED

Series 247CL

PRODUCT OVERVIEW



Applications:

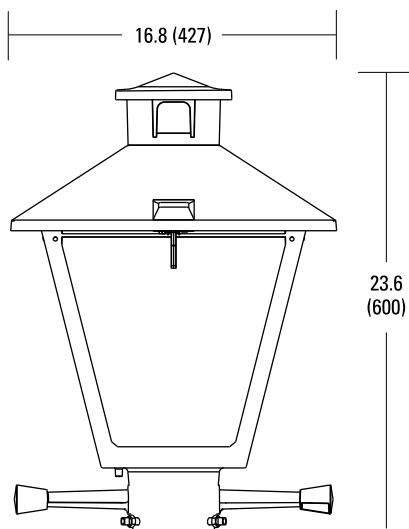
Streetscapes
Walkways
Pathways
Parks

Features:

- Colonial LED lantern, replaces HID models up to 150W HPS for street and area lighting applications
- Ten (10) LED performance packages deliver just the right amount of light for any given application up to 8600 lumens
- Available in color temperature choices of 2700K, 3000K, 4000K, and 5000K
- Four (4) distinct light distribution options provide design flexibility, available in Type II, Type III, Type IV, and Type V
- Die-cast aluminum housing, engineered for sturdy lifelong performance
- Die-cast aluminum hood features a trigger latch (TL) option and captive thumb screws for fast, easy electrical and optical chamber access
- Standard paint finish is smooth / gloss
- Housing is tenon pole-mounted and designed for use with a 3" tall by 2-3/8" to 3" diameter tenon, and secured by three set screws
- Rated L70, LED life greater than 100,000 hours at 25°C
- Complies with all applicable ANSI C136 standards.
- CSA listed and suitable for up to 40° C ambient
- Surge protection device (standard) exceeds ANSI/IEEE C62.41-2002 Category C High (10kV/10kA) and ANSI C136.2-2015 Enhanced (10kV/5kA).
20KV Option exceeds ANSI/IEEE C62.41-2002 Category C High (10kV/10kA) and ANSI C136.2-2015 Extreme (20kV/10kA)
- Equipped with LED electronic 0-10V dimmable driver

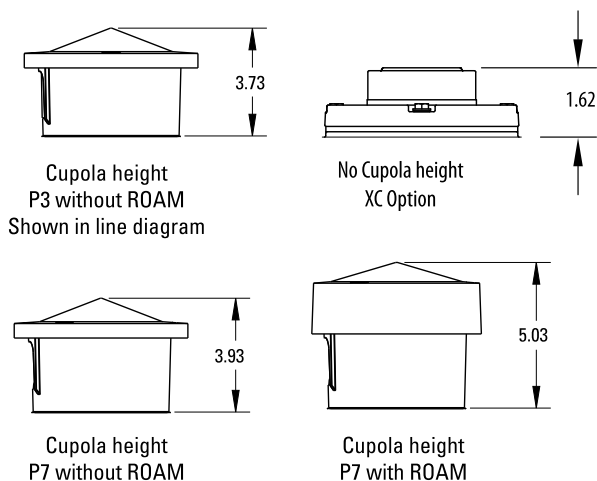


DIMENSIONS



Effective Projected Area (EPA)

The EPA for the American Revolution Series 247 is 1.6 sq. ft.
P7 option total height is 24.9 (633).
Approx. Wt. = 36 lbs.



All dimensions are inches (millimeters) unless otherwise noted.

American Revolution LED

Series 247CL

ORDERING INFORMATION

Example: 247CL P30 AS 40K R3

Series	Performance Package	Voltage	Color Temperature (CCT)
247CL American Revolution LED	Package Input Watts Lumens (nominal) P10 12 1,400 P15 18 2,000 P20 23 2,600 P25 33 3,500 P30 40 4,000 P35 33 3,800 P40 39 4,400 P45 46 5,100 P50 64 6,800 P55 77 7,800	AS 120-277V AH 347V; 480V	27K 2700K 30K 3000K 40K 4000K 50K 5000K

Distribution	Options
R2 Type II R3 Type III R4 Type IV R5 Type V	Paint ¹ (blank) Black (standard), smooth / gloss GY Gray, smooth / gloss DDB Dark Bronze, smooth / gloss WH White, smooth / gloss BZ Bronze, smooth / gloss

Controls

(blank)	3 pin NEMA photocontrol (standard)
NR	No photocontrol receptacle
P7 ²	7 pin NEMA photocontrol
PCLL ^{3,4}	(Solid State Long Life Photocontrol, 120-277V)
P34 ^{3,4}	(Solid State Long Life Photocontrol, 347V)
P48 ^{3,4}	(Solid State Long Life Photocontrol, 480V)
PCSS ^{3,4,7}	Solid state photocontrol, 120-277V (Not CSA Listed)
AO	Field adjustable output module
DALI	DALI driver (special request)
PND	Part night dimming
SH	Shorting cap
SHX ⁷	Shorting cap (not CSA listed)

Miscellaneous

SS	Stainless steel hardware
TL	Tool-less latch
NL1X1	1" x 1" NEMA label
NL2X2	2" x 2" NEMA label
XL	Not CSA Listed
LDR ⁵	Ladder Rest
RCC ^{6,8}	ROAM Cupola Cap
XC ⁸	No Cupola
CR	Epoxy Pre-Coat Finish
20kV	20kV/10kA surge protection device
FPDxx	Factory programmable driver

House-Side Shields

HSS	House Side Shield
------------	-------------------

Prewired leads

L1H	1FT prewire leads
L03	3Ft prewire leads
L10	10FT prewired leads
L20	20ft prewire leads
L25	25ft prewire leads
L30	30ft prewire leads

Special Packaging

SSP	Sample pack (UPS)
------------	-------------------

Accessory

House Side Shield shipped separately and installed in the field

247CLFHSSLEM10	247CL HSS for P10 / P15 / P20 / P25 / P30
247CLFHSSLEM20	247CL HSS for P35 / P40 / P45 / P50 / P55

Note: Check the OPTIONS MATRIX on Page 3 for compatibility & restrictions



AEL Headquarters, 3825 Columbus Road, Granville, OH 43023
www.americanelectriclighting.com
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Warranty Five-year limited warranty. Complete warranty terms located at: www.acuitybrands.com/support/customer-support/terms-and-conditions
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.

Please contact your sales representative for the latest product information.

American Revolution LED

Series 247CL

OPTIONS MATRIX

Parameters	Distribution Options					Surge		Receptacle			Photocontrols					Dimming				Other			
	R2	R3	R4	R5	-	20KV	-	NR	P7	PCLL	P34	P48	PCSS	SH	SHX	-	PND	AO	DALI	XL	RCC	XC	FPDxx
AS	P10	Y	Y	Y	Y	Y	N	Y	Y	Y	Y	N	N	Y	Y	Y	Y	Y	N	Y	Y	Y	Y
	P15	Y	Y	Y	Y	Y	N	Y	Y	Y	Y	N	N	Y	Y	Y	Y	Y	N	Y	Y	Y	Y
	P20	Y	Y	Y	Y	Y	N	Y	Y	Y	Y	N	N	Y	Y	Y	Y	Y	N	Y	Y	Y	Y
	P25	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
	P30	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
	P35	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
	P40	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
	P45	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
	P50	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
	P55	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
AH	P10	Y	Y	Y	Y	Y	Y	Y	Y	N	Y	Y	N	Y	Y	Y	N	Y	N	Y	Y	Y	Y
	P15	Y	Y	Y	Y	Y	Y	Y	Y	N	Y	Y	N	Y	Y	Y	N	Y	N	Y	Y	Y	Y
	P20	Y	Y	Y	Y	Y	Y	Y	Y	N	Y	Y	N	Y	Y	Y	N	Y	N	Y	Y	Y	Y
	P25	Y	Y	Y	Y	Y	Y	Y	Y	N	Y	Y	N	Y	Y	Y	N	Y	N	Y	Y	Y	Y
	P30	Y	Y	Y	Y	Y	Y	Y	Y	N	Y	Y	N	Y	Y	Y	N	Y	N	Y	Y	Y	Y
	P35	Y	Y	Y	Y	Y	Y	Y	Y	N	Y	Y	N	Y	Y	Y	N	Y	N	Y	Y	Y	Y
	P40	Y	Y	Y	Y	Y	Y	Y	Y	N	Y	Y	N	Y	Y	Y	N	Y	N	Y	Y	Y	Y
	P45	Y	Y	Y	Y	Y	Y	Y	Y	N	Y	Y	N	Y	Y	Y	N	Y	N	Y	Y	Y	Y
	P50	Y	Y	Y	Y	Y	Y	Y	Y	N	Y	Y	N	Y	Y	Y	N	Y	N	Y	Y	Y	Y
	P55	Y	Y	Y	Y	Y	Y	Y	Y	N	Y	Y	N	Y	Y	Y	N	Y	N	Y	Y	Y	Y
Color Temperature	27K	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
	30K	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
	40K	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
	50K	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Distribution Options	R2	N	N	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
	R3	N	N	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
	R4	N	N	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
	R5	N	N	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Surge	-	Y	Y	Y	Y	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
	20KV	Y	Y	Y	Y	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	Y
Receptacle	-	Y	Y	Y	Y	Y	N	N	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	Y	Y
	NR	Y	Y	Y	Y	Y	N	N	N	N	N	N	N	N	N	Y	Y	Y	Y	Y	N	N	Y
	P7	Y	Y	Y	Y	Y	N	N	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
	PCLL	Y	Y	Y	Y	Y	Y	N	Y	N	N	N	N	N	N	Y	Y	Y	Y	Y	Y	Y	Y
Photocontrols	P34	Y	Y	Y	Y	Y	Y	N	Y	N	N	N	N	N	N	Y	Y	Y	Y	Y	Y	Y	Y
	P48	Y	Y	Y	Y	Y	Y	N	Y	N	N	N	N	N	N	Y	Y	Y	Y	Y	Y	Y	Y
	PCSS	Y	Y	Y	Y	Y	Y	N	Y	N	N	N	N	N	N	Y	Y	Y	Y	M	Y	Y	Y
	SH	Y	Y	Y	Y	Y	Y	N	Y	N	N	N	N	N	N	Y	Y	Y	Y	Y	Y	Y	Y
	SHX	Y	Y	Y	Y	Y	Y	N	Y	N	N	N	N	N	N	Y	Y	Y	Y	M	Y	Y	Y
	-	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	N	N	Y	Y	Y	Y	Y
Dimming	PND	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	N	N	Y	Y	Y	Y	Y
	AO	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	N	N	Y	Y	Y	Y	Y
	DALI	Y	Y	Y	Y	Y	N	Y	Y	Y	Y	Y	Y	Y	Y	N	N	N	Y	Y	Y	Y	N
	XL	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	M	Y	M	Y	Y	Y	Y	Y	Y	Y	Y
Other	RCC	Y	Y	Y	Y	Y	N	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	Y	Y
	XC	Y	Y	Y	Y	Y	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	Y	Y
	FPDxx	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	Y

MATRIX KEY

M = Must have: one of these must be installed for the luminaire to operate

N = Combination not available

Y = Valid option combination

Notes:

- Other colors available, please contact factory.
- Taller cupola cover (RCC) or no cupola (XC) is required when used with ROAM or other similar wireless monitoring control systems.
- Standard failure mode="Fail On".

- Photocontrols supplied with ANSI Standard Turn-On levels.
- Ships with unit, field installed.
- Required when using ROAM or other similar wireless monitoring control systems.
- Must also specify "XL", as unit will not be CSA listed.
- Not available with NR option.



AEL Headquarters, 3825 Columbus Road, Granville, OH 43023
www.americanelectriclighting.com

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American Revolution LED

Series 247CL

OPERATING CHARACTERISTICS

Engine	Watts	CCT	Optic							
			R2		R3		R4		R5	
			Lumens	LPW	Lumens	LPW	Lumens	LPW	Lumens	LPW
P10	12	2700K	1,292	107	1,273	105	1,297	107	1,419	117
		3000K	1,327	110	1,307	108	1,332	110	1,457	120
		4000K	1,428	118	1,407	116	1,434	119	1,568	130
		5000K	1,439	119	1,417	117	1,444	119	1,579	131
P15	18	2700K	1,876	106	1,849	104	1,884	106	2,060	116
		3000K	1,926	109	1,898	107	1,934	109	2,115	120
		4000K	2,074	117	2,043	115	2,082	118	2,277	129
		5000K	2,089	118	2,058	116	2,097	118	2,293	130
P20	23	2700K	2,401	104	2,366	102	2,411	104	2,637	114
		3000K	2,466	107	2,429	105	2,475	107	2,707	117
		4000K	2,654	115	2,615	113	2,664	115	2,914	126
		5000K	2,673	116	2,634	114	2,683	116	2,935	127
P25	33	2700K	3,224	97	3,176	96	3,236	98	3,540	107
		3000K	3,310	100	3,261	99	3,323	100	3,634	110
		4000K	3,563	108	3,510	106	3,577	108	3,912	118
		5000K	3,588	108	3,535	107	3,602	109	3,940	119
P30	40	2700K	3,704	93	3,649	91	3,718	93	4,067	102
		3000K	3,803	95	3,747	94	3,818	96	4,176	105
		4000K	4,094	103	4,033	101	4,110	103	4,495	113
		5000K	4,123	103	4,062	102	4,139	104	4,527	113
P35	33	2700K	3,486	106	3,435	104	3,500	106	3,828	116
		3000K	3,579	109	3,527	107	3,593	109	3,930	119
		4000K	3,853	117	3,796	115	3,868	118	4,231	129
		5000K	3,880	118	3,823	116	3,896	118	4,261	130
P40	39	2700K	4,090	104	4,030	103	4,106	104	4,491	114
		3000K	4,200	107	4,154	113	4,216	107	4,611	117
		4000K	4,521	115	4,454	113	4,538	115	4,964	126
		5000K	4,553	116	4,486	114	4,571	116	4,999	127
P45	46	2700K	4,691	102	4,622	101	4,710	103	5,151	112
		3000K	4,817	105	4,746	103	4,836	105	5,289	115
		4000K	5,185	113	5,108	111	5,205	113	5,693	124
		5000K	5,222	114	5,145	112	5,242	114	5,734	125
P50	64	2700K	6,245	97	6,153	96	6,270	98	6,857	107
		3000K	6,412	100	6,318	98	6,437	100	7,040	110
		4000K	6,902	108	6,801	106	6,929	108	7,579	118
		5000K	6,952	108	6,849	107	6,979	109	7,633	119
P55	77	2700K	7,136	92	7,031	91	7,164	93	7,835	101
		3000K	7,327	95	7,219	94	7,356	95	8,045	104
		4000K	7,887	102	7,771	101	7,918	103	8,660	112
		5000K	7,943	103	7,826	101	7,974	103	8,722	113



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American Revolution LED

Series 247CL

Factory Programmable Driver Settings (P10 through P40 Packages)

FPDxx Setting		P10 27K				P10 30K				P10 40K				P10 50K			
Setting	Wattage	R2	R3	R4	R5	R2	R3	R4	R5	R2	R3	R4	R5	R2	R3	R4	R5
Standard	12	1,292	1,273	1,297	1,419	1,327	1,307	1,332	1,457	1,428	1,407	1,434	1,568	1,439	1,417	1,444	1,579
FPD95	11	1,226	1,208	1,231	1,346	1,259	1,240	1,264	1,382	1,355	1,335	1,360	1,488	1,365	1,345	1,370	1,498
FPD90	11	1,160	1,143	1,164	1,273	1,191	1,173	1,195	1,307	1,282	1,263	1,287	1,407	1,291	1,272	1,296	1,417

FPDxx Setting		P15 27K				P15 30K				P15 40K				P15 50K			
Setting	Wattage	R2	R3	R4	R5	R2	R3	R4	R5	R2	R3	R4	R5	R2	R3	R4	R5
Standard	18	1,876	1,849	1,884	2,060	1,926	1,898	1,934	2,115	2,074	2,043	2,082	2,277	2,089	2,058	2,097	2,293
FPD95	17	1,783	1,756	1,790	1,957	1,830	1,803	1,837	2,010	1,970	1,941	1,978	2,163	1,984	1,955	1,992	2,179
FPD90	16	1,678	1,654	1,685	1,843	1,723	1,698	1,730	1,892	1,855	1,828	1,862	2,037	1,868	1,841	1,875	2,051
FPD85	15	1,584	1,561	1,591	1,740	1,627	1,603	1,633	1,786	1,751	1,725	1,758	1,923	1,764	1,738	1,771	1,937
FPD80	14	1,491	1,469	1,496	1,637	1,530	1,508	1,536	1,680	1,648	1,623	1,654	1,809	1,659	1,635	1,666	1,822
FPD75	13	1,397	1,376	1,402	1,534	1,434	1,413	1,440	1,575	1,544	1,521	1,550	1,695	1,555	1,532	1,561	1,707

FPDxx Setting		P20 27K				P20 30K				P20 40K				P20 50K			
Setting	Wattage	R2	R3	R4	R5	R2	R3	R4	R5	R2	R3	R4	R5	R2	R3	R4	R5
Standard	23	2,401	2,366	2,411	2,637	2,466	2,429	2,475	2,707	2,654	2,615	2,664	2,914	2,673	2,634	2,683	2,935
FPD95	22	2,282	2,248	2,291	2,505	2,343	2,308	2,352	2,572	2,522	2,485	2,532	2,769	2,540	2,502	2,550	2,789
FPD90	21	2,152	2,121	2,161	2,363	2,210	2,177	2,218	2,426	2,379	2,344	2,388	2,612	2,396	2,360	2,405	2,630
FPD85	19	2,023	1,993	2,031	2,221	2,077	2,046	2,085	2,280	2,236	2,203	2,244	2,455	2,252	2,218	2,260	2,472
FPD80	18	1,903	1,875	1,911	2,090	1,954	1,925	1,962	2,146	2,103	2,072	2,112	2,310	2,118	2,087	2,127	2,326

FPDxx Setting		P25 27K				P25 30K				P25 40K				P25 50K			
Setting	Wattage	R2	R3	R4	R5	R2	R3	R4	R5	R2	R3	R4	R5	R2	R3	R4	R5
Standard	33	3,224	3,176	3,236	3,540	3,310	3,261	3,323	3,634	3,563	3,510	3,577	3,912	3,588	3,535	3,602	3,940
FPD95	31	3,066	3,021	3,078	3,366	3,148	3,101	3,160	3,456	3,388	3,338	3,402	3,720	3,413	3,362	3,426	3,747
FPD90	30	2,917	2,874	2,929	3,203	2,995	2,951	3,007	3,289	3,224	3,177	3,237	3,540	3,247	3,199	3,260	3,565
FPD85	28	2,759	2,719	2,770	3,030	2,833	2,791	2,844	3,111	3,050	3,005	3,062	3,348	3,071	3,026	3,083	3,372
FPD80	27	2,611	2,572	2,621	2,866	2,680	2,641	2,691	2,943	2,885	2,843	2,897	3,168	2,906	2,863	2,917	3,191
FPD75	25	2,453	2,416	2,462	2,693	2,518	2,481	2,528	2,765	2,711	2,671	2,721	2,976	2,730	2,690	2,741	2,998

FPDxx Setting		P30 27K				P30 30K				P30 40K				P30 50K			
Setting	Wattage	R2	R3	R4	R5	R2	R3	R4	R5	R2	R3	R4	R5	R2	R3	R4	R5
Standard	40	3,704	3,649	3,718	4,067	3,803	3,747	3,818	4,176	4,094	4,033	4,110	4,495	4,123	4,062	4,139	4,527
FPD95	38	3,516	3,465	3,530	3,861	3,610	3,557	3,625	3,964	3,886	3,829	3,902	4,267	3,914	3,856	3,930	4,298
FPD90	36	3,338	3,289	3,351	3,665	3,427	3,377	3,441	3,763	3,689	3,635	3,704	4,051	3,715	3,661	3,730	4,080
FPD85	34	3,159	3,113	3,172	3,469	3,244	3,196	3,257	3,562	3,492	3,440	3,506	3,834	3,517	3,465	3,531	3,861

FPDxx Setting		P35 27K				P35 30K				P35 40K				P35 50K			
Setting	Wattage	R2	R3	R4	R5	R2	R3	R4	R5	R2	R3	R4	R5	R2	R3	R4	R5
Standard	33	3,486	3,435	3,500	3,828	3,579	3,527	3,593	3,930	3,853	3,796	3,868	4,231	3,880	3,823	3,896	4,261
FPD95	31	3,331	3,281	3,344	3,657	3,420	3,369	3,433	3,755	3,681	3,627	3,695	4,042	3,707	3,653	3,722	4,071
FPD90	30	3,165	3,118	3,177	3,475	3,249	3,201	3,262	3,568	3,498	3,446	3,511	3,840	3,522	3,470	3,536	3,868
FPD85	28	3,009	2,965	3,021	3,304	3,089	3,044	3,101	3,392	3,326	3,276	3,339	3,651	3,349	3,300	3,362	3,677
FPD80	26	2,729	2,688	2,739	2,996	2,802	2,760	2,813	3,076	3,016	2,971	3,028	3,311	3,037	2,993	3,049	3,335

FPDxx Setting		P40 27K				P40 30K				P40 40K				P40 50K			
Setting	Wattage	R2	R3	R4	R5	R2	R3	R4	R5	R2	R3	R4	R5	R2	R3	R4	R5
Standard	39	4,090	4,030	4,106	4,491	4,200	4,145	4,216	4,611	4,521	4,454	4,538	4,964	4,553	4,486	4,571	4,999
FPD95	38	3,918	3,860	3,934	4,302	4,023	3,967	4,039	4,417	4,331	4,267	4,348	4,755	4,361	4,297	4,379	4,789



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Factory Programmable Driver Settings (P45 through P55 Packages)

FPDxx Setting		P45 27K				P45 30K				P45 40K				P45 50K			
Setting	Wattage	R2	R3	R4	R5	R2	R3	R4	R5	R2	R3	R4	R5	R2	R3	R4	R5
Standard	46	4,691	4,622	4,710	5,151	4,817	4,746	4,836	5,289	5,185	5,108	5,205	5,693	5,222	5,145	5,242	5,734
FPD95	44	4,458	4,392	4,476	4,895	4,577	4,510	4,595	5,026	4,927	4,855	4,947	5,410	4,963	4,889	4,982	5,449
FPD90	41	4,235	4,173	4,252	4,650	4,349	4,284	4,366	4,775	4,681	4,612	4,699	5,140	4,714	4,645	4,733	5,176
FPD85	37	3,820	3,764	3,835	4,194	3,922	3,864	3,937	4,306	4,222	4,160	4,238	4,636	4,252	4,189	4,269	4,669

FPDxx Setting		P50 27K				P50 30K				P50 40K				P50 50K			
Setting	Wattage	R2	R3	R4	R5	R2	R3	R4	R5	R2	R3	R4	R5	R2	R3	R4	R5
Standard	64	6,245	6,153	6,270	6,857	6,412	6,318	6,437	7,040	6,902	6,801	6,929	7,579	6,952	6,849	6,979	7,633
FPD95	61	5,938	5,851	5,962	6,520	6,097	6,007	6,121	6,694	6,563	6,466	6,589	7,206	6,610	6,512	6,636	7,258
FPD90	58	5,631	5,548	5,653	6,183	5,782	5,696	5,804	6,348	6,224	6,132	6,248	6,834	6,268	6,176	6,293	6,882
FPD85	55	5,334	5,255	5,355	5,857	5,476	5,396	5,498	6,013	5,895	5,808	5,918	6,473	5,937	5,850	5,960	6,519
FPD80	52	5,027	4,953	5,047	5,519	5,161	5,085	5,181	5,667	5,556	5,474	5,578	6,100	5,595	5,513	5,617	6,144
FPD75	49	4,729	4,660	4,748	5,193	4,856	4,784	4,875	5,332	5,227	5,150	5,248	5,739	5,264	5,187	5,285	5,780

FPDxx Setting		P55 27K				P55 30K				P55 40K				P55 50K			
Setting	Wattage	R2	R3	R4	R5	R2	R3	R4	R5	R2	R3	R4	R5	R2	R3	R4	R5
Standard	77	7,136	7,031	7,164	7,835	7,327	7,219	7,356	8,045	7,887	7,771	7,918	8,660	7,943	7,826	7,974	8,722
FPD95	73	6,779	6,679	6,806	7,444	6,961	6,858	6,988	7,643	7,493	7,382	7,522	8,227	7,546	7,435	7,576	8,286
FPD90	69	6,423	6,328	6,448	7,052	6,594	6,497	6,620	7,240	7,098	6,994	7,126	7,794	7,149	7,043	7,177	7,850

PROJECTED LED LUMEN MAINTENANCE

Data references the extrapolated performance projections for the platforms noted in a 25°C ambient, based on 6,000 hours of LED testing (tested per IESNA LM-80-08 and projected per IESNA TM-21-11). To calculate LLF, use the lumen maintenance factor that corresponds to the desired number of operating hours below. For other lumen maintenance values, contact factory.

Lumen Maintenance (LLD)						
Initial	25k hrs	36k hrs	50k hrs	60k hrs	75k hrs	100k hrs
1	0.960	0.940	0.930	0.910	0.890	0.860

LUMEN AMBIENT TEMPERATURE (LAT) MULTIPLIERS

Use these factors to determine relative lumen output for average ambient temperatures from 0-40°C (32-104°F).

Ambient Temperature Lumen Multipliers								
0°C	5°C	10°C	15°C	20°C	25°C	30°C	35°C	40°C
1.04	1.03	1.02	1.02	1.01	1.00	0.99	0.98	0.97



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