

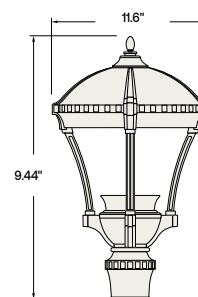
## FEATURES

- Reliable, uniform, glare free illumination
- Types II, III, IV and V distributions
- 3000K, 4000K, 5000K CCT
- 0-10V dimming ready
- Integral surge suppression
- 15 standard powder coat finishes
- Upgrade Kits



3000K and warmer CCTs only

## PROVIDENCE®



	WEIGHT	EPA
PROS	9 lbs / 4 kg	46

## SPECIFICATIONS

### CONSTRUCTION

- All housing components aluminum 360 alloy, sealed with continuous silicone rubber gaskets
- All internal and external hardware is stainless steel
- Finish: fade and abrasion resistant, electrostatically applied, thermally cured, triglycidal isocyanurate (TGIC) polyester powdercoat
- Optical bezel finish is match the luminaire housing

### LED/OPTICS

- LEDs are mounted to a metal printed circuit board assembly (MCPCB) with a uniform conformal coating over the panel surface and electrical features
- Cartridge is easily disassembled to replace components. Optics are held in place without the use of adhesives
- Molded silicone gasket ensures a weather-proof seal around each individual LED
- Features revolutionary individual LED optical control based on high performance TIR optical designs
- House Side Shield is available on Standard and Clear Lens options except any Type 5 distribution. House Side Shield is not available for any distribution using a Diffused Lens

### INSTALLATION

- Fixtures must be grounded in accordance with national, state and/or local electrical codes. Failure to do so may result in serious personal injury

### ELECTRICAL

- Luminaires have integral surge protection, UL recognized and have a surge current rating of 10,000 Amps using the industry standard 8/20uSec wave and surge rating of 372J
- Drivers are UL recognized with an inrush current maximum of <200 Amps maximum at 230VAC
- 100%-1% dimming range. Fixture will be wired for low voltage 0-10V dimming control
- Driver and surge suppressor are mounted to a prewired tray with quick disconnects that may be removed from the gear compartment

### CONTROLS

- Photocell adapter shall include an internal twist lock receptacle. Photocell by others.
- Egress adapter shall require an auxiliary 120 volt supply for operation of an integral MR16 lamp in the event of emergency. The lamp may be aimed and locked into position with an adjustment range of 15°-45°. Adapter shall have a socket that accepts miniature bi-pin MR16 lamps up to 50 watts, lamp by others

### CERTIFICATIONS

- ETL listed under UL 1598 and CSA C22.2 No. 2500-08 for wet locations

### WARRANTY

- 5 year warranty

DATE:	LOCATION:
TYPE:	PROJECT:
CATALOG #:	

## ORDERING GUIDE

Example: PROS-Y3-3030-BLS-BPS-WMA59D

CATALOG #

### HOUSING




PROS									
Housing		Distribution		Lumen Package		Finish		Options	Mounting
PROS	Providence Small LED	Y2	Type II	2030	3000K CCT 25 watts	BLS	Black Gloss Smooth	FS1	Fusing
		Y3	Type III			BLT	Black Matte Textured	PFN	Brass Painted Finial
		Y4	Type IV	2040	4000K CCT 25 watts	DBS	Dark Bronze Gloss Smooth	SPK	Brass Painted Spike
		Y5	Type V			DBT	Dark Bronze Matte Textured	BPS	Brass Painted Struts
				2050	5000K CCT 25 watts	GTT	Graphite Matte Textured	LDL	Lightly diffused lens
						LGS	Light Gray Gloss Smooth	AD4	Adapter used only with standard AAL arms and post top mount fixtures to slip over a 4"/100mm O.D. pole
						LGT	Light Gray Matte Textured		
						PSS	Platinum Silver Gloss Smooth		
						VGT	Verde Green Matte Textured		
						WHS	White Gloss Smooth		
						WHT	White Matte Textured		
						Color Options			
						CC	Custom Color <sup>1</sup>		
									<b>Standard Mount</b> Slips over a 3"/75mm pole or may choose one <b>Wall Mount</b> <b>WMA59D</b> Mount down <b>WMA59U</b> Mount up <b>Pole Mount/Side Mounts</b> <b>TRA59D</b> Mount down <b>TRA59U</b> Mount up

Notes:

1 Consult factory for custom color, marine and corrosive finish options

## OUTDOOR LIGHTING CONTROLS OPTIONS

### CONTROLS FUNCTIONALITY

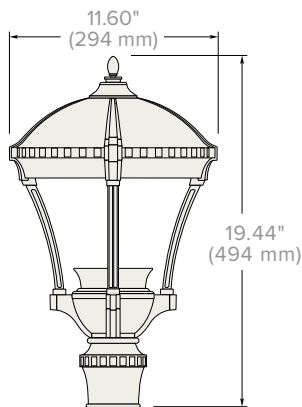
Control Option Ordering Logic & Description		Control Option Functionality									Control Option Components
		Networkable	Grouping	Scheduling		Daylight Harvesting	0-10V Dimming	On/Off Control	Bluetooth App Programming	Sensor Height	
Independent	7PR 7-Pin Receptacle	—	—	Paired with external control	—	Paired with external control	—	Paired with external control	—	—	 7PR
	7PR-SC 7-Pin Receptacle with shorting cap	—	—	—	—	—	—	—	—	—	 7PR-SC
	7PR-TL 7-Pin with photocontrol	—	—	—	—	✓	—	✓	—	—	 7PR-TL

## DELIVERED LUMENS

The table below shows the delivered lumens for the various lumen outputs and beam distributions. Use this chart in connection with the lumen factor (LF) capability to deliver any output required.

System Watts	Lumen Package	Lens	Distribution	3000K 70CRI					4000K 70CRI					5000K 70CRI				
				Lumen	Bug Rating			Efficacy (Lm/W)	Lumen	Bug Rating			Efficacy (Lm/W)	Lumen	Bug Rating			Efficacy (Lm/W)
					B	U	G			B	U	G			B	U	G	
25	2000	Clear Lens (Standard)	Type 2	1792	1	0	1	72	1957	1	0	1	78	1951	1	0	1	78
			Type 3	1830	1	0	1	73	1970	1	0	1	79	1958	1	0	1	78
			Type 4W	1793	0	0	1	72	1957	0	0	1	78	1960	0	0	1	78
			Type 5	1735	1	0	1	69	1894	1	0	1	76	1889	1	0	1	76
		Lightly Diffused Lens	Type 2	1216	1	1	1	49	1361	1	1	1	54	1387	1	1	1	55
			Type 3	1216	1	1	1	49	1361	1	1	1	54	1386	1	1	1	55
			Type 4W	1298	1	1	1	52	1417	1	1	1	57	1419	1	1	1	57
			Type 5	1139	1	1	1	46	1275	1	1	1	51	1299	1	1	1	52
43	3000	Clear Lens (Standard)	Type 2	2975	1	0	1	69	3247	1	0	1	76	3238	1	0	1	75
			Type 3	3038	1	1	1	71	3270	1	0	1	76	3261	1	0	1	76
			Type 4W	2988	1	0	1	69	3262	1	0	1	76	3253	1	0	1	76
			Type 5	2892	2	0	1	67	3157	2	0	1	73	3148	2	0	1	73
		Lightly Diffused Lens	Type 2	2092	1	1	1	49	2342	1	1	1	54	2386	1	1	1	55
			Type 3	2091	1	1	1	49	2341	1	1	1	54	2385	1	1	1	55
			Type 4W	2164	1	1	1	50	2362	1	1	1	55	2356	1	1	1	55
			Type 5	1959	1	1	1	46	2193	1	1	1	51	2234	1	1	1	52

## DIMENSIONS



## PHOTOMETRY

### PROS-Y2-3040

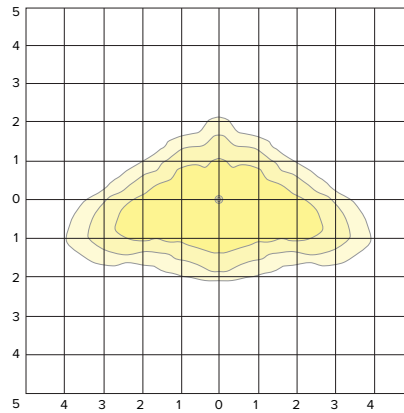
#### LUMINAIRE DATA

Description	3040K, 70CRI
Delivered Lumens	3247
Watts	43.2
Efficacy	75.2
IES Type	TYPE II, MEDIUM
BUG Rating	B1-U0-G1
Mounting Height	15 ft
Grid Scale	15 ft

#### ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
Downward Street Side	2229	68.6%
Downward House Side	1018	31.3%
Downward Total	3247	100.0%
Upward Street Side	0	0.0%
Upward House Side	0	0.0%
Upward Total	0	0.0%
Total Flux	3247	100%

#### ISOFOOT CANDLE PLOT



### PROS-Y3-3040

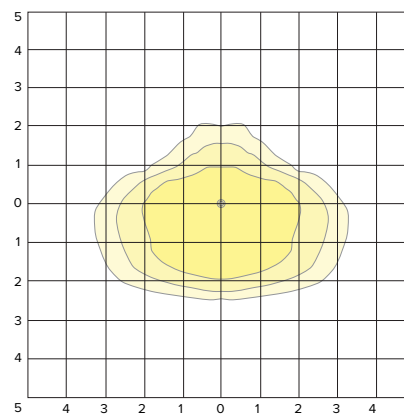
#### LUMINAIRE DATA

Description	3040K, 70CRI
Delivered Lumens	3270
Watts	43.2
Efficacy	75.7
IES Type	Type III
BUG Rating	B1-U0-G1
Mounting Height	15 ft
Grid Scale	15 ft

#### ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
Downward Street Side	2376	72.6%
Downward House Side	894	27.3%
Downward Total	3270	100.0%
Upward Street Side	0	0.0%
Upward House Side	0	0.0%
Upward Total	0	0.0%
Total Flux	3270	100%

#### ISOFOOT CANDLE PLOT



### PROS-Y4W-3040

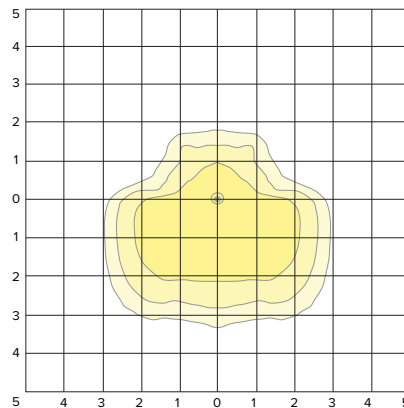
#### LUMINAIRE DATA

Description	3040K, 70CRI
Delivered Lumens	3262
Watts	43
Efficacy	75.9
IES Type	Type IV
BUG Rating	B1-U0-G1
Mounting Height	15 ft
Grid Scale	15 ft

#### ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
Downward Street Side	2670	81.9%
Downward House Side	592	18.2%
Downward Total	3262	100.1%
Upward Street Side	0	0.0%
Upward House Side	0	0.0%
Upward Total	0	0.0%
Total Flux	3262	100%

#### ISOFOOT CANDLE PLOT



## PHOTOMETRY

PROS-Y5-3040

### LUMINAIRE DATA

Description	3040K, 70CRI
Delivered Lumens	3157
Watts	42.8
Efficacy	73.8
IES Type	Type VS
BUG Rating	B2-U0-G1
Mounting Height	15 ft
Grid Scale	15 ft

### ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
Downward Street Side	1594	50.5%
Downward House Side	1563	49.5%
Downward Total	3157	100.0%
Upward Street Side	0	0.0%
Upward House Side	0	0.0%
Upward Total	0	0.0%
Total Flux	3157	100%

DATE:

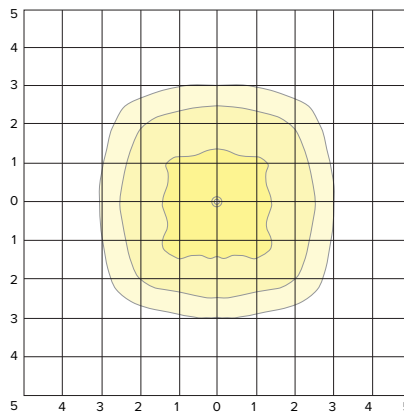
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TYPE:

PROJECT:

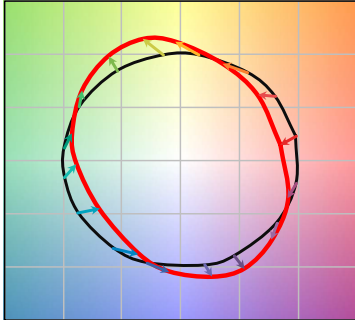
CATALOG #:

### ISOFOOT CANDLE PLOT



## TM-30 DATA

### COLOR VECTOR GRAPHIC

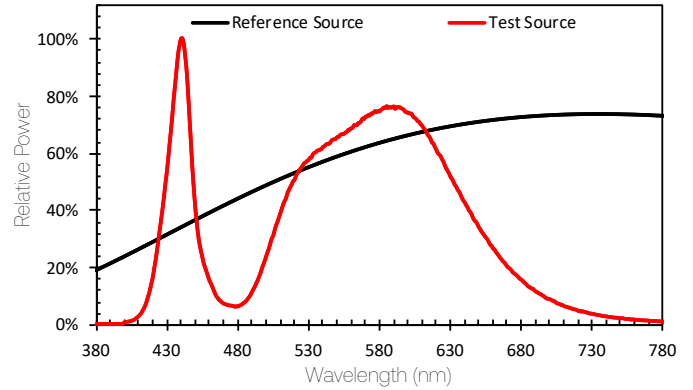


— Reference Illuminant — Test Source

### TEST SOURCE

R <sub>f</sub>	68
R <sub>a</sub>	99
CCT(K)	3947
D <sub>uv</sub>	0.0004
x	0.3831
y	0.3793
CIE R <sub>a</sub>	72

### SPECTRAL POWER DISTRIBUTION COMPARISON



## ELECTRICAL DATA

Configuration		Electrical Characteristics												Dimming			
		LED Drive mA	System Watts	Line Voltage		Amps AC					Min. POWER FACTOR	Max THD (%)	Dimming Range	Source Current Out		Absolute Voltage	
Ordering Code				VAC	Hz	120	208	220	240	277				Min	Max	Min	Max
2020	2000 series	255	25	120-277	50/60	0.35	0.15	0.35	0.15	0.15	≥.9	20	10% to 100%	0mA	1mA	0V	10V
2040																	
2050																	
3020	3000 series	400	42	120-277	50/60	0.21	0.09	0.21	0.09	0.09	≥.9	20	10% to 100%	0mA	1mA	0V	10V
3040																	
3050																	

TM-21 LIFETIME CALCULATION - PROJECTED LUMEN MAINTENANCE (25°C / 77°F)						
HOURS	0	25,000	36,000	50,000	100,000	REPORTED L70
Projected Lumen Maintenance	100%	99.0%	99.5%	98.0%	95.0%	>60000