

LOCATION: DATE: PROJECT: TYPE: CATALOG #:

Providence® Bollard



FEATURES

- · Reliable uniform illumination
- True IES Type 2, 3, 4, and 5 distributions
- 3000K, 4000K, 5000K CCT
- · 0-10V dimmable
- 20kV/10kA surge suppression
- · Thermal protection

SPECIFICATIONS

OPTICAL MODULE

- · Light emitting diode (LED) assembly shall be sealed to a die-cast anodized aluminum heat sink with an injection molded silicone rubber gasket and stainless steel bezel, IP66
- · ·LED optics shall be injection molded PMMA acrylic and be mounted to a metal printed circuit board with a uniform conformal coating over the panel surface and electrical features

INSTALLATION

- Existing luminaires shall be required to be taken down for disassembly of pre-existing optical and electrical components
- •Estimated time for installation of the upgrade kit into an existing luminaire is 25 minutes

ELECTRICAL

- Upgrade kit shall have integral surge protection that shall be U.L. recognized and have a surge current rating of 10,000 Amps using the industry standard 8/20uSec wave and surge rating of 372J
- • Drivers shall be U.L recognized with an inrush current maximum of <20.0 Amps maximum at 230VAC
- •Existing luminaires may not have 0-10V control leads in place prior to the upgrade kit, consult factory for dimming and control solutions
- •Drivers shall not be compatible with current sourcing dimmers, consult factory for current list of known compatible dimming systems, approved dimmers include Lutron Diva AVTV, Lutron Nova NFTV and NTFTV

CERTIFICATIONS

· Upgrade kits shall be listed with ETL for outdoor, wet location use, UL1598, UL 8750 and Canadian CSA Std. C22.2 no.250

WARRANTY

• 5 year warranty

ORDERING GUIDE

CATALOG #

Example: PROB-LK-Y2-2040

Upgrade Kit			ribution	Lumen Package					
PROB-LK	Providence Bollard LED	Y2	Type 2	2030	3000K CCT, 25 watts				
	Upgrade Kit	Y3	Type 3	2040	4000K CCT, 25 watts				
		Y4	Type 4	2050	5000K CCT, 25 watts				
		Y5	Type 5	30AM	595 Amber, 43 watts ¹				
				3030	3000K CCT, 43 watts				
				3040	4000K CCT, 43 watts				
				3050	5000K CCT, 43 watts				





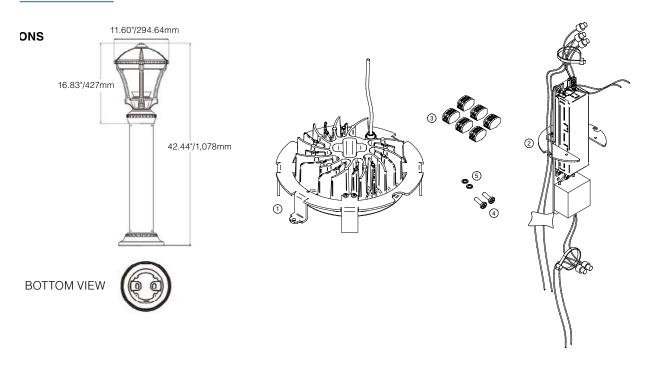
DATE:	LOCATION:
TYPE:	PROJECT:

CATALOG #:

DELIVERED LUMENS

					3000K 70CRI					4000K 70CRI					5000K 70CRI				
Light Engine	Lensing	Distribution	Ordering Code	Average System Watts	Lumen		Bug Rating		Efficancy (Lm/W)	Lumen	Bug Rating		Efficancy	Lumen	Bug Rating			Efficancy	
						В	U	G	(LIII/VV)		В	U	G	(Lm/W)		В	U	G	(Lm/W)
							203	0				204	0				205	0	
		Type 2	Y2		1792	1	0	1	71	1957	1	0	1	78	1951	1	0	1	78
	Clear Lens	Type 3	Y3		1830	1	0	1	73	1970	1	0	1	78	1958	1	0	1	78
	(Standard)	Type 4	Y4]	1793	1	0	1	71	1957	1	0	1	78	1960	1	0	1	78
2000 Series		Type 5	Y5	25	1735	1	0	1	65	1894	1 0 1 0 1 1 1 1 1 2 1 1	1	76	1989	1	0	1	76	
2000 Series	Lightly Diffused Lens	Type 2	Y2 LDL	25	1216	1	1	1	49	1361	1	1	1	54	1387	0	1	1	56
		Type 3	Y3 LDL		1216	1	1	1	50	1361	1	1	1	56	1386	1	1	1	57
		Type 4	Y4 LDL		1170	1	2	1	47	1309	1	2	1	52	1334	1	2	1	53
		Type 5	Y5 LDL		1139	1	1	1	46	1275	1	1	1	51	1299	1	1	1	52
							303	0				304	0				305	0	
		Type 2	Y2		2975	1	0	1	69	3247	1	0	1	76	3238	1	0	1	75
	Clear Lens	Type 3	Y3]	3038	1	1	1	70	3270	1	0	1	76	3261	1	0	1	75
	(Standard)	Type 4	Y4		2988	1	0	1	69	3262	1	0	1	76	3253	1	0	1	75
3000 Series		Type 5	Y5	43	2892	2	0	1	67	3157	2	0	1	73	3148	2	0	1	73
3000 Selles		Type 2	Y2 LDL		2092	1	1	1	49	2342	1	1	1	54	2386	1	1	1	56
	Lightly Diffused	Type 3	Y3 LDL]	2091	1	1	1	50	2341	1	1	1	56	2385	1	1	1	57
	Lens	Type 4	Y4 LDL]	2012	1	2	1	47	2252	1	2	1	52	2295	1	2	1	53
		Type 5	Y5 LDL		1959	1	1	1	46	2193	1	1	1	51	2234	1	1	1	52

DIMENSIONS



currentlighting.com/aal





DATE:	LOCATION:
TYPE:	PROJECT:
CATALOG #:	

LED COLOR

Value		Ordering Code									
value	XX30	XX40	XX50								
CCT Average	3000K	4000K	5000K								
CRI Minimum	70	70	70								
S/P Ratio	1.22	1.5	1.8								

ELECTRICAL CHARACTERISTICS

Configuration	Driver										Inrush C	urrent Pea	Dimming			
Ordering Code	LED Current		System Wattage	Line V	'oltage	Amp	s AC	Min. Power	Max THD	Operating	12	0V	27	7V	Dimming	Source/ Sink
Ordering Code	(mA)	(W)	VAC	HZ	120	277	Factor	(%)	Temp. Range	lpeak (A	ık (A)	lpeak (A)		Range (V)	Current (mA)	
20XX	255	25	120-277	50/60	0.21	0.09	>0.9	20	-40°C To	21	160 uS	49	160 uS	10% TO 10)%	1mA	
30XX	400	42	120-2//	30/60		0.15	>0.9	20	+55℃	∠1	100 05	49	100 03	10% 10 10)%	IIIIA	

TM-21 LIFETIME CALCULATION (500MA)

Optical System	Ordering Code	Ambient				Lumen ce (Khrs)		Reported L70	
, ,		Environment °C	15	25	50	60 (TM-21)	100		
		15	100%	99%	99%	98%	97%		
MicroCore	32LED	25	99%	99%	98%	97%	95%	>96Khrs.	
		40	98%	97%	94%	93%	89%		

Consult factory for Amber, Turtle Friendly, Gulf Coast and Observatory applications.

