

Providence® MicroCore™ – Medium Housing PROV

TYPE

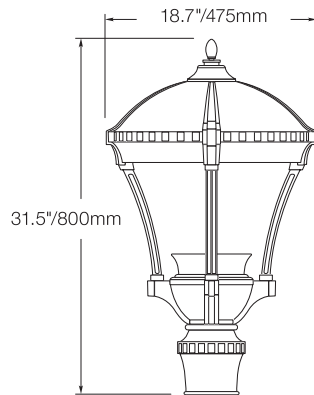
PROV-T5-32LED-5K-700-BL-DF-CLR-STND_MNT-WIRED120-277

FEATURES

- Reliable, uniform, glare free illumination
- Types II, III, IV, V and custom distributions⁴
- 3000K, 4000K, 5000K CCT
- 0-10V dimming ready
- Integral surge suppression
- LifeShield™ thermal protection
- 14 standard powder coat finishes



SPECIFICATIONS



- Diameter: 18.7" / 475 mm
- Height: 31.5" / 800 mm
- Weight: 29 lbs
- EPA: 0.96
- IP Rating: 65



3000K and warmer CCTs only

ORDERING INFORMATION

MODEL	1	2	3	4	5	6	7
PROV	T5	32LED-5K	700	BL	DF	CLR	STND
	Light Engine	CCT	Drive Current	Finish	Options	Controls	Mounting

1. LIGHT ENGINE

T2	Type II
T3	Type III
T4	Type IV
T5	Type V

2. COLOR TEMPERATURE

32LED -3K	3000K CCT, 70CRI
32LED -4K	4000K CCT, 70CRI
32LED -5K	5000K CCT, 70CRI

Additional CCT's and 560nm monochromatic amber available by request⁴

3. DRIVE CURRENT

700	700mA, 75 watts
450	450mA, 48 watts

4. FINISH

Standard Color

AGN	Antique Green
BL	Black
BLT	Matte Black
CRT	Corten
DB	Dark Bronze
DGN	Dark Green
LG	Light Grey
MAL	Matte Aluminum
MDB	Bronze Metallic
MG	Medium Grey
TT	Titanium
VBU	Verde Blue
WDB	Weathered Bronze
WH	Arctic White

4. FINISH (CONT)

Premium Color

SFM	Seafoam
SHK	Shamrock
SPP	Salt and Pepper
WCP	Weathered Copper
RAL	RAL 4 digit Color
CUSTOM	Custom Color

5. OPTIONS (may choose as noted)

Fuse may choose one
 SF 120 or 277 Line Volts
DF 208 or 240 Line Volts

Finish

SPK	Decorative spike
BPS	Struts painted brass
PFN	Finial painted brass

Optics may choose one

LDL	Lightly diffused lens
CLR	Clear flat lens
HSS	House Side shield for Type 4

Accessories may choose one

EPA-C	Egress-Contemporary ³
EPA-T	Egress-Traditional ³

Mounting may choose one

PT23	Slips Over a 2 3/8" x 4" Tenon
PT3	Slips Over a 3"x 4" Tenon

6. CONTROL

PCA-C	Rotatable photocell-Contemporary
PCA-T	Rotatable photocell-Traditional
SCP	Sensor Control Programmable, pole accessory ordered separately ^{1 2}

7. MOUNTING

Standard configuration slips over a 4" DIA open top pole or may choose one.

Wall Mount Arm

WMA7	WMA57	WMA35U
WMA55	WMA9U	WMA36U
WMA56	WMA22U	

Pole Mount Arm

TRA5U-4	TRA5U-5	
TRA6U-4	TRA6U-5	
TRA55-4	TRA55-5	
TRA57-4	TRA57-5	TRA56
SLA1	SLA1-2	
SLA8U-4	SLA8U-5	
SLA22U-4	SLA22U-5	

Pier Mount

PM1	PM2	PM3
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Option

AD5

NOTE:

¹ Pole accessory with motion sensor and daylight photo-control for California Title 24 section 130.2 compliance. For complete spec sheet and ordering information, visit www.aal.net/products/sensor_control_programmable/

² Handheld commissioning tool is required to separately configure or adjust any number of SCP sensors

³ Not compatible with PCA-C nor PCA-T

⁴ Consult factory



ARCHITECTURAL AREA LIGHTING
 17760 Rowland Street | City of Industry | CA 91748
 P 626.968.5666 | F 626.369.2695 | www.aal.net
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JOB	HUGHES PARKING LOT
TYPE	
NOTES	PROV-T5-32LED-5K-700-BL-DF-CLR-STND_MNT-WIRED120-277V

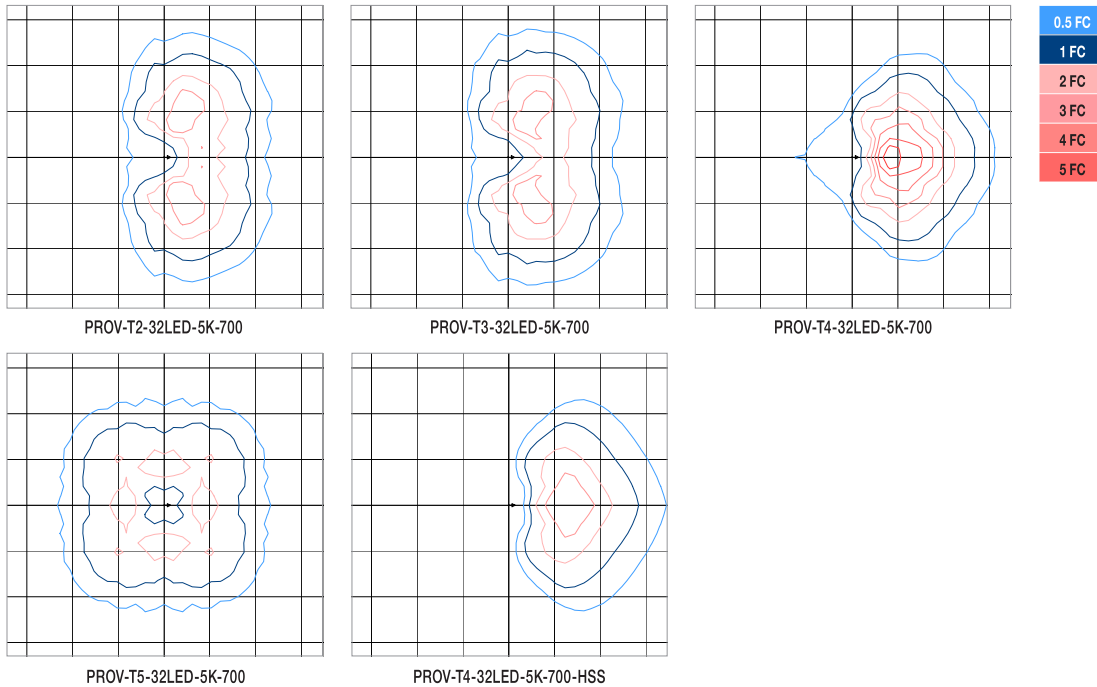
LUMINAIRE PERFORMANCE

Configuration			Ordering Code	32LED-5K-700					32LED-4K-700					32LED-3K-700				
System Watts	Secondary Lens or Shield	Distribution		Delivered Lumens	Efficacy (Lm/W)	BUG Rating			Delivered Lumens	Efficacy (Lm/W)	BUG Rating			Delivered Lumens	Efficacy (Lm/W)	BUG Rating		
73	No Lens (Standard)	TYPE II	T2	5688	77	2	0	2	5470	74	1	0	2	5290	71	1	0	2
		TYPE III	T3	6166	83	2	0	2	5929	80	2	0	2	5735	77	2	0	2
		TYPE IV	T4	5616	76	1	0	2	5400	73	1	0	2	5223	71	1	0	2
		TYPE V	T5	6208	84	3	0	1	5969	81	3	0	1	5773	78	3	0	1
	House Side Shield	TYPE IV	T4...HSS	4418	60	0	0	2	4322	58	0	0	2	4134	56	0	0	2
47	No Lens (Standard)	TYPE II	T2	3491	74	1	0	1	3357	71	1	0	1	3247	69	1	0	1
		TYPE III	T3	3785	81	1	0	1	3639	77	1	0	1	3520	75	1	0	1
		TYPE IV	T4	3447	73	0	0	1	3314	71	0	0	1	3205	68	0	0	1
		TYPE V	T5	3618	77	2	0	1	3479	74	2	0	1	3365	72	2	0	1
	House Side Shield	TYPE IV	T4...HSS	2728	58	0	0	2	2766	59	0	0	2	2652	56	0	0	2

ELECTRICAL CHARACTERISTICS

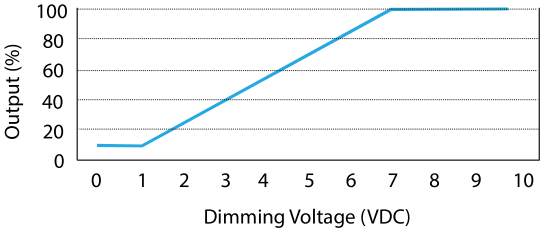
Ordering Code		Line Input		Amps AC	LED Drive (mA)	System Watts (w)	Min. Power Factor	Max THD (%)	Driver Operating Temp. Range (°C)	Inrush Current	Dimming	
MODEL	LUMEN PACKAGE	VAC	Hz								Dimming Range(V)	Source / Sink Current (mA)
PROV	700	120	50/60	0.6	700	73	≥.9	20	-30° TO +40°	<20.0 AMPS MAX @ 230 VAC	0 - 10	0
		208		0.3								
		240		0.2								
		277		0.2								
	450	120		0.4	450	47	≥.9	20	-30° TO +40°	<20.0 AMPS MAX @ 230 VAC	0 - 10	0
		208		0.1								
		240		0.1								
		277		0.1								

ISOLINE TEMPLATES 14' Mounting Height



TM-21 LIFETIME CALCULATION

Ambient Environment °C	Projected Lumen Maintenance (% vs. Khrs)					Reported L70
	15	25	50	TM-21* 60	100	
25	93	91	87	85	78	>60Khrs
40	93	91	87	85	78	



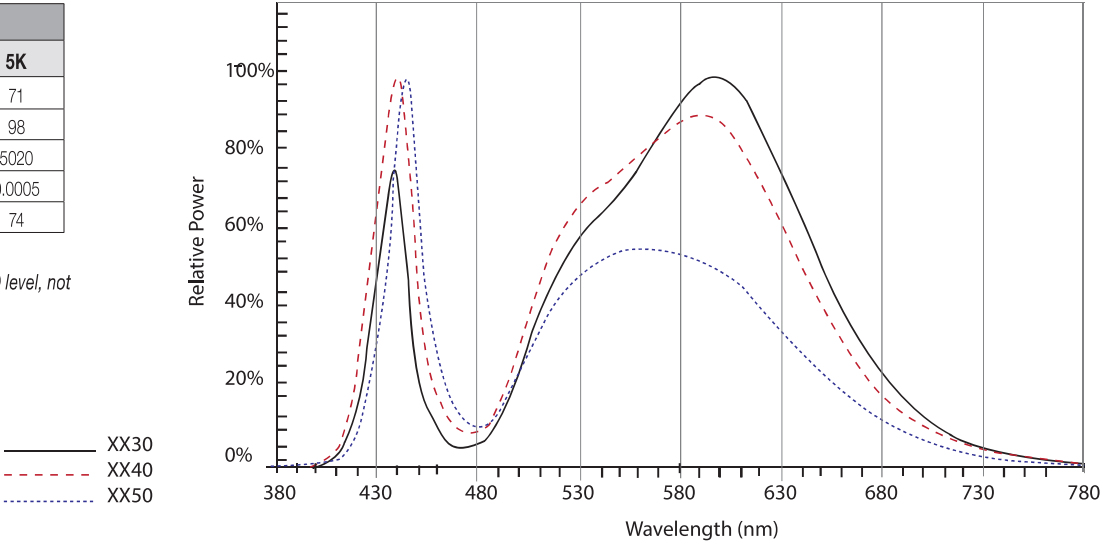
Note: Fixture does not dim to off, fixture dims to 10% minimum

COLOR CHARACTERISTICS

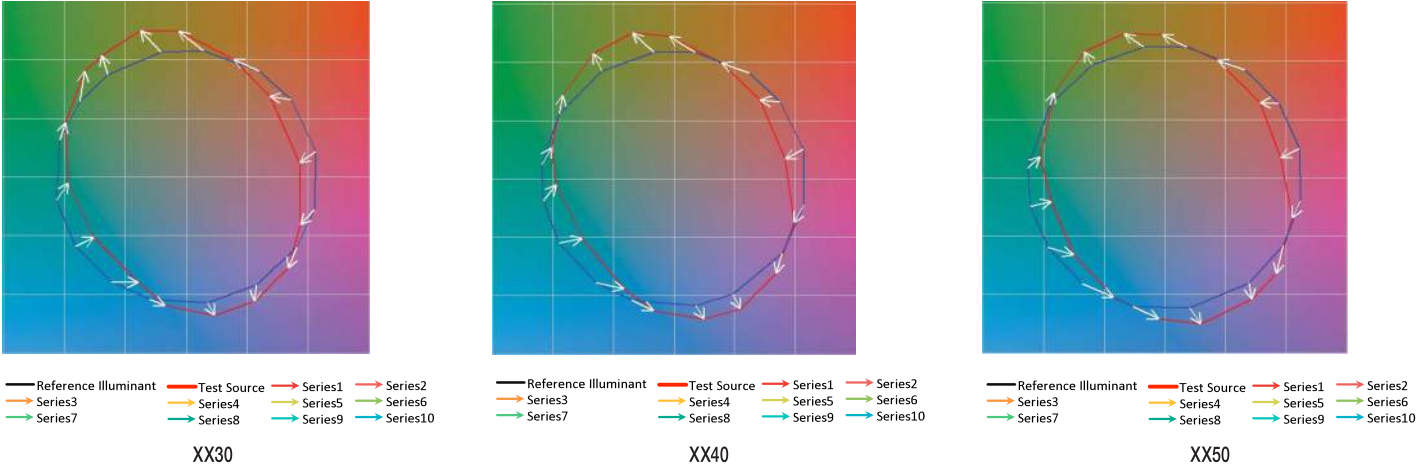
Value	Ordering Code		
	3K	4K	5K
Rf	69	69	71
Rg	99	99	98
CCT(K)	3122	3852	5020
Duv	0.001	0.0004	0.0005
CIE Ra	74	73	74

Note: TM-30 reported at the discrete LED level, not fixture level.

SPECTRAL POWER DISTRIBUTION COMPARISON



COLOR VECTOR GRAPHIC



SPECIFICATIONS

HOUSING

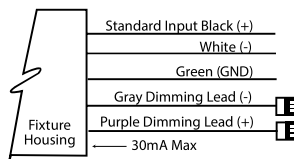
- Luminaire shall have discrete optical and gear compartments that do not share any physical housings.
- All housing components shall be die-cast aluminum, sealed with continuous silicone rubber gaskets.
- Standard configurations do not require a flat lens, optional lenses shall be tempered glass
- All internal and external hardware shall be stainless steel.
- Optical bezel finish shall match the luminaire housing.

OPTICAL

- Patent pending MicroCore™ LED modules shall independently aim each light emitting diode (LED) in both horizontal rotation and vertical tilt angle.
- LEDs shall be mounted to a metal printed circuit board assembly (PCBA) with a uniform conformal coating over the panel surface and electrical features.
- LED optics shall be clear injection molded PMMA acrylic.
- MicroCore™ PCBA and optic shall be sealed to a die-cast anodized aluminum heat sink with an injection molded silicone rubber gasket. IP66.
- Type 4 distribution with optional House Side Shield not available with clear or diffused glass lenses. Factory installed House Side Shield is optimized for Type 4 distribution and not recommended for use with Type 2 or 3 distribution and not available with type 5 distribution.

ELECTRICAL

- Luminaires 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.
- 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.
- LifeShield™ shall be provided with all configurations for added protection in the event of abnormally excessive high ambient temperature conditions.



CONTROLS

- SCP shall have an integral surge protection device with a current rating of 10,000 Amps using the industry standard 8/20uSec wave and surge rating of 372J
- Sensor not intended for use with additional photo-control, wireless control or dimming systems.

PHOTOCELL / EGRESS ADAPTERS

- Adapter(s) shall slip over a 4"/100mm DIA. pole with the luminaire or arm slipping over the adapter to add a total of 4.5"/114mm to the overall height. Adapter(s) shall be prewired, independently rotatable 359°, and have a cast access cover with an integral lens and lanyard.
- 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.

SERVICING

- Luminaire shall have tool-less service access to the gear compartment. Driver and surge suppressor shall be mounted to a prewired tray with quick disconnects that may be removed from the gear compartment.

ARM MOUNTING

- Luminaire shall slip over mounting arm and secured with three stainless steel 5/16-18 set screws.

FINISH

- Luminaire finish shall consist of a five stage pretreatment regimen with a polymer primer sealer, oven dry off, and top coated with a thermoset super TGIC polyester powder coat finish.
- Luminaire finish shall meet the AAMA 605.2 performance specification which includes passing a 3000 hour salt spray test for corrosion resistance.

CERTIFICATION

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

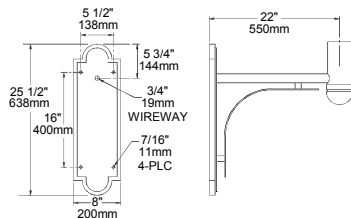
WARRANTY / TERMS AND CONDITIONS OF SALE

Download:
<http://www.hubbellinglighting.com/resources/warranty/>

WALL MOUNT

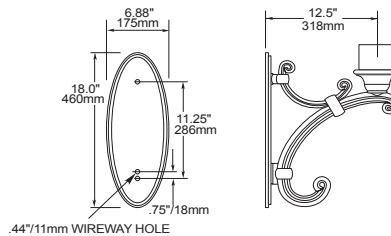
WMA7

WT: 16 LBS



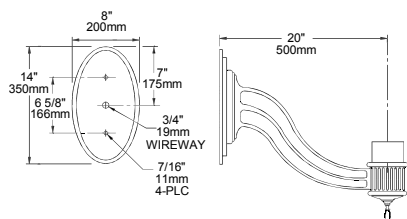
WMA57

WT: 9 LBS



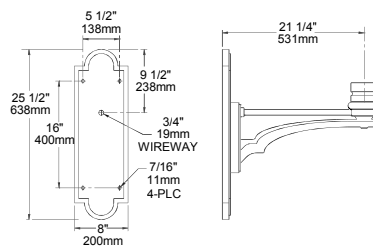
WMA35U

WT: 12 LBS



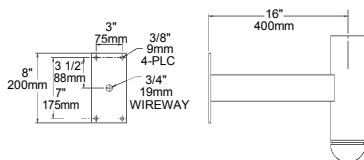
WMA55

WT: 10 LBS



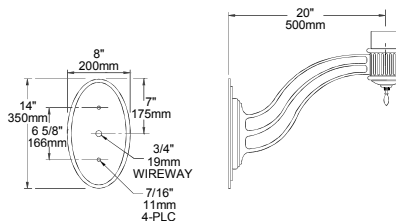
WMA9U

WT: 8 LBS



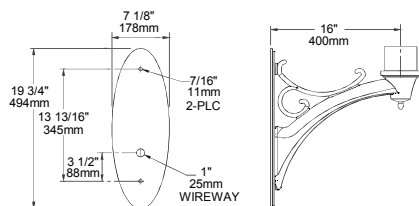
WMA36U

WT: 12 LBS



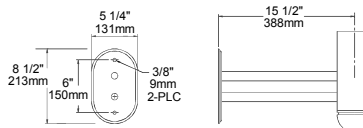
WMA56

WT: 10 LBS



WMA22U

WT: 5 LBS

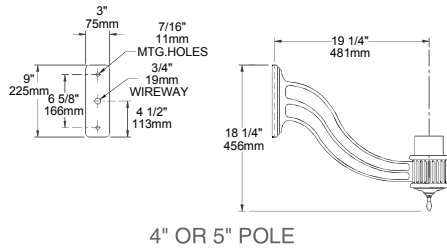


POLE MOUNT

TRA5U

WT: 9 LBS

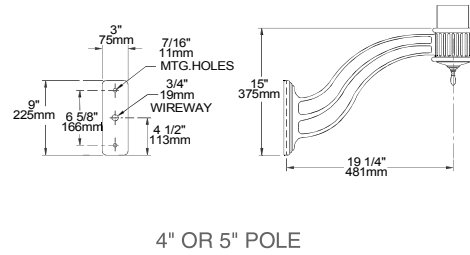
EPA: .62



TRA6U

WT: 9 LBS

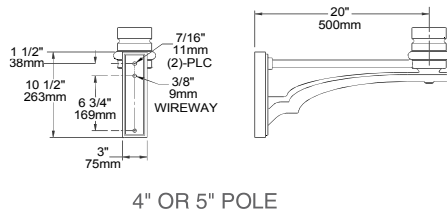
EPA: .62



TRA55

WT: 10 LBS

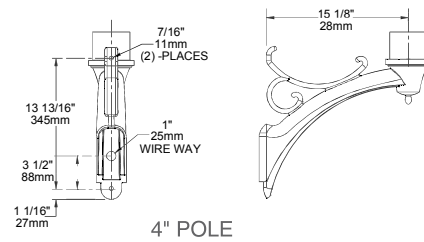
EPA: .67



TRA56

WT: 8 LBS

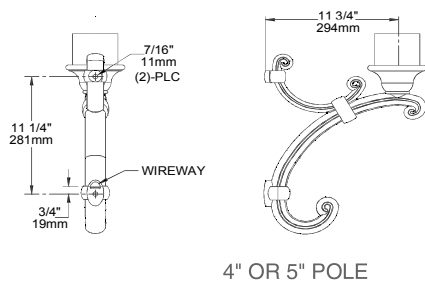
EPA: .54



TRA57

WT: 7 LBS

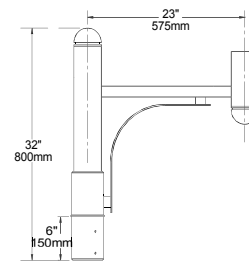
EPA: .67



SLA1

WT: 12 LBS

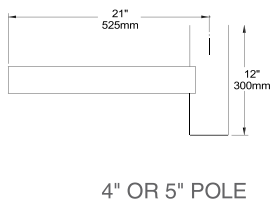
EPA: 1.09



SLA8U

WT: 5 LBS

EPA: .40



SLA22U

WT: 6 LBS

EPA: .60

