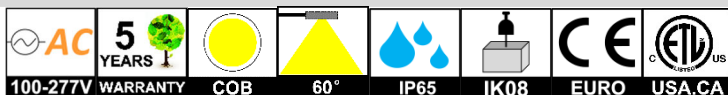


**TUULA: LED POST TOP LIGHT**



**INTRODUCTION**

**FEATURE**

Modern Post Top Area Lighting  
 Upgrade Module LED Lighting Design  
 Easy Installation and Maintenance  
 Low-glare Uniform Light Distribution  
 Long Lifespan >50,000hours  
 Working Temperature: -30°C~50°C

**MAIN MATERIAL**

LED Brand: LUMINUS&GUBO  
 Driver Brand: MEANWELL&GUBO  
 Housing: Die-casted Aluminum Module  
 Optics: High Efficiency PC Reflector  
 Diffuser: Clear Tempered Glass Diffuser

**INSTALLATION**

Suitable for Road Light, like Street, Park.....  
**[FSTC]:** Circular Tenon Spigot  
**[FFS]:** Flush Surface Mounted  
**[FPS]:** Stem Pendant  
**[FPC]:** Catenary Pendant  
**[FWA]:** Wall Surface Mounted  
**[FWH]:** Wall Surface Mounted UpDown Lighting  
**[FSC]:** Slip Fitter Mounted  
**[FJP]:** Fixing Plate on JBOX/Outlet Box  
**[PSA]:** Aluminum Straight Bollard

**NOTES:** Custom Installation and Accessories  
 Referred to Another Catalogue of Fixing Kits.

**STANDARD**

Designed and Manufactured to Comply with  
 CE/RoHS/CB/cETL/SAA Standard  
 Withstand Voltage: 3.75KV, Surge: 6KV  
 IP65 Protection, Class I Electric

**CUSTOM OPTION**

LED CCT: 1,800K~10,000K/R/G/B/A  
 [CRI]: [E] RA80, [G] RA90, [H] RA97(RG0)  
 [POST]: Height 1M/1.2M/2.2M/3.5M/4.5M  
 [SFH]: Custom Housing Finish by RAL Code


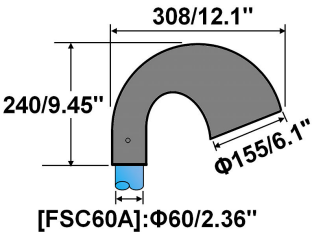
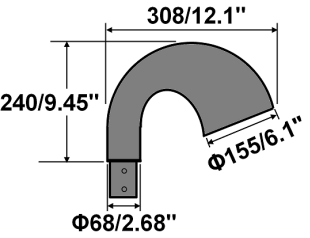


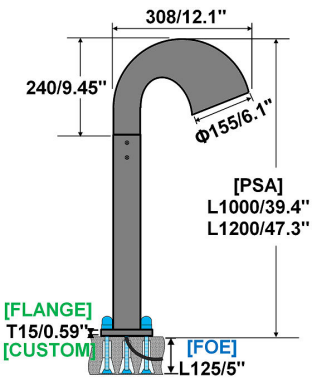
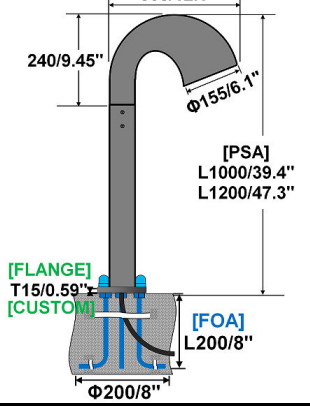
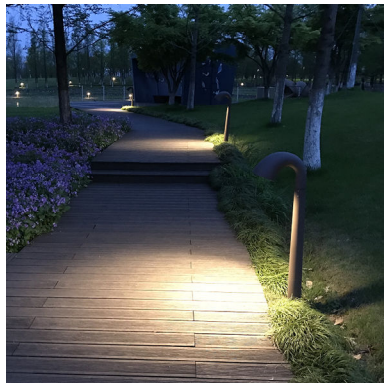
<b>WHITE</b> RAL9010P	<b>BLACK</b> RAL9005P	<b>GREY</b> RAL7042P	<b>DARK GREY</b> RAL7016P
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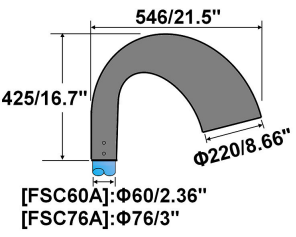
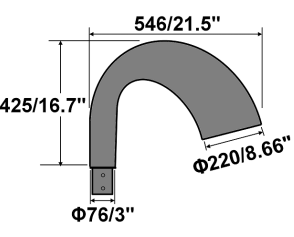


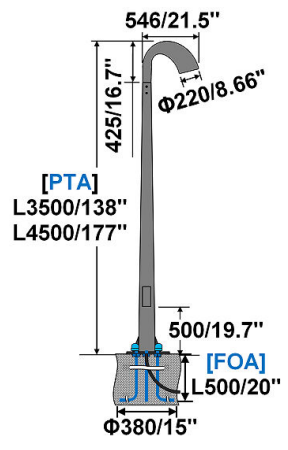
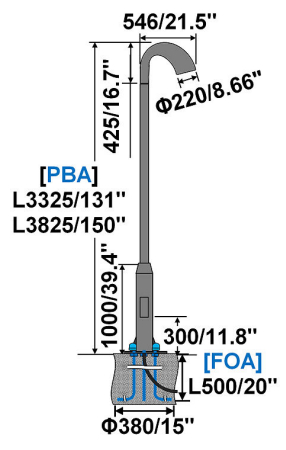


MODEL	POWER [W]	LED TYPE	CCT [K]	CRI	FLUX [LM]	POWER FACTOR	BEAM ANGLE	CUSTOM DIMMING	INPUT [V]	
TUULA-MCA155A	20W [30W] [12W]	COB LUMINUS	G2200K	RA90	1220	>0.9	[Symmetric] BR38D:38° BR60D:60°			
			G2500K	RA90	1350					
			G2700K	RA90	1580					
			G3000K	RA90	1650					
			G3500K	RA90	1650					
			G4000K	RA90	1720					
			G5000K	RA90	1720					
			G5700K	RA90	1720					
	G6500K	RA90	1720							
	2C@20W	TWG	G2700K	G6500K	RA90	1210	>0.9	[Prismatic] BDP:110° LM-25%	[CDN]:Non-dim	AC100~277V [AC100~347V] 50/60Hz
4C@20W	RGBW	620nm	520nm	465nm	G2700K	\	1210	>0.9	[CDT]:TRIAC(15%)	
4C@20W	RGBA	620nm	520nm	465nm	590nm	\	1210	>0.9	[CDV]:0/1~10V(8%)	
									[CDV0]:0~10V(1%)	
TUULA-MCA220A	50W [75W] [30W]	COB LUMINUS	G2200K	RA90	2920	>0.9	[Louver] BGL LM-25%			[ CV DC24V ] [ CV DC42V ]
			G2500K	RA90	3250					
			G2700K	RA90	3810					
			G3000K	RA90	3970					
			G3500K	RA90	3970					
			G4000K	RA90	4140					
			G5000K	RA90	4140					
			G5700K	RA90	4140					
	G6500K	RA90	4140							
	2C@50W	TWG	G2700K	G6500K	RA90	3030	>0.9			
4C@50W	RGBW	620nm	520nm	465nm	G2700K	\	3030	>0.9		
4C@50W	RGBA	620nm	520nm	465nm	590nm	\	3030	>0.9		

**NOTE:**

All parameters are measured at 25°C ambient temperature, 35% humidity experimental environment.  
 Tolerances of power and luminous flux are ±10%, tolerance of color rendering index is ±5.

<b>(MCA155A)-[FSTC]: Circular Spigot</b>			<b>DIMENSION:[UNIT: MM]</b>
<b>NOTES:</b> Custom Installation and Accessories Referred to Another Catalogue of Fixing Kits.			
<b>(MCA155A) Post Top</b>	<b>Dimension for [FSC] Fixed by <math>\Phi 60</math> Pole</b>	<b>Dimension for [FSTC] Fixed by <math>\Phi 68</math> Pole</b>	<b>CASE STUDY</b>
	 <p>308/12.1" 240/9.45" <math>\Phi 155/6.1</math>" [FSC60A]: <math>\Phi 60/2.36</math>"</p>	 <p>308/12.1" 240/9.45" <math>\Phi 155/6.1</math>" <math>\Phi 68/2.68</math>"</p>	
<b>(MCA155A) Bollard</b>	<b>Dimension for [PSA]-[FOE] Fixed by Expansion Bolts</b>	<b>Dimension for [PSA]-[FOA] Fixed by Pre-buried Anchor</b>	<b>CASE STUDY</b>
	 <p>308/12.1" 240/9.45" <math>\Phi 155/6.1</math>" [PSA] L1000/39.4" L1200/47.3" [FLANGE] T15/0.59" [CUSTOM] L125/5"</p>	 <p>308/12.1" 240/9.45" <math>\Phi 155/6.1</math>" [PSA] L1000/39.4" L1200/47.3" [FLANGE] T15/0.59" [CUSTOM] L200/8" <math>\Phi 200/8</math>"</p>	

<b>(MCA220A)-[FSTC]: Circular Spigot</b>			<b>DIMENSION:[UNIT: MM]</b>
<b>NOTES:</b> Custom Installation and Accessories Referred to Another Catalogue of Fixing Kits.			
<b>(MCA220A) Post Top</b>	<b>Dimension for [FSC] Fixed by <math>\Phi 60/76</math> Pole</b>	<b>Dimension for [FSTC] Fixed by <math>\Phi 76</math> Pole</b>	<b>CASE STUDY</b> [PBA] Straight Pole with Box Pole
	 <p>546/21.5" 425/16.7" <math>\Phi 220/8.66</math>" [FSC60A]: <math>\Phi 60/2.36</math>" [FSC76A]: <math>\Phi 76/3</math>"</p>	 <p>546/21.5" 425/16.7" <math>\Phi 220/8.66</math>" <math>\Phi 76/3</math>"</p>	
<b>(MCA220A) Aluminum Tapered Pole</b>	<b>Dimension for [PTA]-[FOA] Fixed by Pre-buried Anchor</b>	<b>Dimension for [PBA]-[FOA] Fixed by Pre-buried Anchor</b>	<b>CASE STUDY</b> [PTA] Tapered Pole
	 <p>546/21.5" 425/16.7" <math>\Phi 220/8.66</math>" [PTA] L3500/138" L4500/177" 500/19.7" [FOA] L500/20" <math>\Phi 380/15</math>"</p>	 <p>546/21.5" 425/16.7" <math>\Phi 220/8.66</math>" [PBA] L3325/131" L3825/150" 1000/39.4" 300/11.8" [FOA] L500/20" <math>\Phi 380/15</math>"</p>	