



PGE APPROVED STREET LIGHTING EQUIPMENT FOR NEW INSTALLATIONS

OUTDOOR LIGHTING SERVICES

Updated 2/5/2024

PGE makes no representations of warranties regarding street lighting equipment, whether included or not included on this list of approved street lighting equipment. Inclusion on this list is not an endorsement of the equipment nor does it mean that the listed equipment is appropriate for requirements applicable to all street lighting applications. If equipment is not included in this list, it does not reflect whether or no such equipment is appropriate for street light owners other than PGE.

If you have additional questions about this list of street lighting equipment, please contact PGE's Outdoor Lighting Services Department or your assigned Project Manager.

STREETLIGHTS

Manufacturer	Lum Code	Wattage	Lumens	Manufacturer Product Code
ROADWAY - GRAY				
Leotek	Roadway	29W LED	3470	GCJ1-20H-MV-WW-2R-GY-450-PCR7-RWG-WL-FDC-PGE
Leotek	Roadway	45W LED	5020	GCJ2-20H-MV-WW-2R-GY-700-PCR7-RWG-WL-FDC-PGE
Leotek	Roadway	88W LED	10230	GCM2-40H-MV-WW-2R-GY-700-PCR7-RWG-WL-FDC-PGE
Leotek	Roadway	160W LED	18700	GCL1-80G-MV-WW-3R-GY-610-PCR7-RWG-WL-FDC-PGE
GE (Luminaire Alternate)	Roadway	29W LED	3880	ERLC004B530AGRAYGL
GE (Luminaire Alternate)	Roadway	46W LED	5820	ERLC006B530AGRAYGL
GE (Luminaire Alternate)	Roadway	87W LED	10500	ERL1011B530AGRAYGL
GE (Luminaire Alternate)	Roadway	110W LED	13400	ERL1014B530AGRAYGL
GE (Luminaire Alternate)	Roadway	140W LED	18200	ERL2019C530AGRAYGL
ROADWAY - BLACK				
Leotek	Roadway	29W LED	3470	GCJ1-20H-MV-WW-2R-BK-450-PCR7-RWG-WL-FDC-PGE
Leotek	Roadway	45W LED	5020	GCJ2-20H-MV-WW-2R-BK-700-PCR7-RWG-WL-FDC-PGE
Leotek	Roadway	88W LED	10230	GCM2-40H-MV-WW-2R-BK-700-PCR7-RWG-WL-FDC-PGE
GE (Luminaire Alternate)	Roadway	29W LED	3880	ERLC004B530ABLCKGL
GE (Luminaire Alternate)	Roadway	46W LED	5820	ERLC006B530ABLCKGL
GE (Luminaire Alternate)	Roadway	87W LED	10500	ERL1011B530ABLCKGL
ROADWAY - BRONZE				
Leotek	Roadway	29W LED	3470	GCJ1-20H-MV-WW-2R-DB-450-PCR7-RWG-WL-FDC-PGE
Leotek	Roadway	45W LED	5020	GCJ2-20H-MV-WW-2R-DB-700-PCR7-RWG-WL-FDC-PGE
Leotek	Roadway	88W LED	10230	GCM2-40H-MV-WW-2R-DB-700-PCR7-RWG-WL-FDC-PGE
GE (Luminaire Alternate)	Roadway	29W LED	3880	ERLC004B530ADKBZGL
GE (Luminaire Alternate)	Roadway	46W LED	5820	ERLC006B530ADKBZGL
GE (Luminaire Alternate)	Roadway	87W LED	18200	ERL1011B530ADKBZGL
DECORATIVE FIXTURES				
PENDANT AURORA - KING - CU 1497 *				
	Pendant	40W LED	4440	K829-P4FL-III-60(SSL)-8060-120-277-3K-WS-QD-TXT BLACK s/f KPL20-PR7 / DWG PGE-AURORA-2
	Pendant	60W LED	6427	K829-P4FL-III-60(SSL)-8060-120-277-3K-WS-QD-TXT BLACK s/f KPL20-PR7 / DWG PGE-AURORA-2
	Pendant	75W LED	8060	K829-P4FL-III-60(SSL)-8060-120-277-3K-WS-QD-TXT BLACK s/f KPL20-PR7 / DWG PGE-AURORA-2
TOWN & COUNTRY - AMERICAN REVOLUTION				
CU 1442	T&C	30W LED	3548	247CL P151 MVOLT 30K R3 BK SNC PR TL NL1X1
CU 1443	T&C	50W LED	5100	247CL P153 MVOLT 30K R3 BK SNC PR TL NL1X1
LEOTEK - T&C COLONIAL *				
CU 1494	T&C	33W LED	4374	PTC-S-F-N-S-30J-MV-30K-3-BK-045-PCR7-CS-WL-JB
	T&C	45W LED	5825	
ACORN - No globe KING YARMOUTH *				
CU 1145	Acorn	40W LED	3592	K137-P4NG-III-60(SSL)-7030-120:277-K26-3K-(MOD)PR7-WS-TXT BLACK
	Acorn	60W LED	5157	
	Acorn	75W LED	6082	
ACORN - ACRYLIC				
CU 1407	Acorn	46W LED	7067	AWDE3 P30 30K MVOLT MS AL3 BK ST TBK PR7 FPD75 NL1X1
ACORN -No Globe Acuity				
CU 1520	Acorn	39W LED	4365	WFCL3 P10 30K MVOLT FC3 BK NF PR7E NL1X1
CU 1408	Acorn	59W LED	6759	WFCL3 P30 30K MVOLT FC3 BK NF PR7E NL1X1
<i>Streetlights may be used as Area Lights. Please discuss with a Lighting Design Project Manager those options</i>				

SHIELDS, J-BOX & WIRE INFO

MISCELLANEOUS

LEOTEK SHIELD		HSSGCJ (1 Shield for Small, 2 Shields for Medium and 4 Shields for Large fixtures)
LEOTEK T&C SHIELD		House, Street, Cul De Sac (All Special Ordered)
HOLOPHANE SHIELDS - Can be used for Acorn and T&C Fixtures		
*To be used with the WFCL2 Fixture		MFN: WFCL2HSSI
*To be used with the WFCL3 Fixture		MFN: CLHSSNG34
KING ACORN SHIELD		K137HSS120D3H
KING AURORA PENDANT SHIELD		P4-8060-6x120HSS
PHOTO CONTROL: EXTENDED LIFE TWIST LOCK		
		Ripley - RD8645
		DTL - DLL 1271.5 J50
		Intermatic - EK4536K
STREETLIGHT, LED, VOLTAGE STICKER		
	120v	
	208V	
	240V	
	277V	
HANDHOLE COVER - GRAY, PLASTIC, STEEL CORE, UNIVERSAL		
		TL-S
STREETLIGHT 1324 J-BOX (Fused CU 353, Unfused CU 352)		
NEWBASIS - 13" x 24" x 18" (90003478)		FCA132418T-00043
OLDCASTLE / CARSON INDUSTRIES - 13" x 24" x 18" (90003478)		13241712
HIGHLINE - 13" x 24" x 18" (90003478)		CHA132418HE1
ARMORCAST - 13" x 24" x 18" (90003478)		A6001946TAX18
JENSEN COMPOSITE - 13" x 24" x 18" (90003478)		No Tier 15 available, Use Tier 22 if needed
STREETLIGHT 1730 J-BOX (Fused CU 855, Unfused CU 854)		
QUAZITE (HUBBELL) - 17" x 30" x 18" (90003480)		A42173018A017
NEWBASIS - 17" x 30" x 18" (90003480)		FCA173018T-00043
OLDCASTLE - 17" x 30" x 18" (90003480)		17301726
OLDCASTLE INFRASTRUCTURE - 17" x 30" x 18" (90003480)		17301423
HIGHLINE - 17" x 30" x 18" (90003480)		CHA173018HE1
ARMORCAST - 17" x 30" x 18" (90003480)		A6001640TAX18
JENSEN COMPOSITE - 17" x 30" x 18" (90003480)		HPC173018-PGE
STREETLIGHT J-BOX		
J-BOX	Description	
For Underground Conductors & Connections	Junction Box, Concrete Polymer Lid, Fiberglass Reinforced Polymer flared sides, 18" Deep, No Floor, With Skid Resistant Cover Attached by Two Captive stainless steel 3/8-inch Penta-head Bolts, Gray Color, per PGE T&D Material Specification L26107. Covers must be marked ELECTRIC.	
STREETLIGHT WIRE		
Streetlight Wire	Description	
#10 CU 3-Conductor -36 (CU 635)	#10 AWG, 600 Volt, 3-Conductor, Class B Stranding, Type TC, with Sunlight-Resistant 45-mil PVC Jacket. Suitable for direct burial installations. Insulation to be black, red, and green per NEMA WC-7 for NEC applications (TFN, THWN, THHN), with fillers or binding tape added to produce round outer jacket, rated 90°C dry and 75°C wet, 1,000 ft NR reels. Jacket to display sequential footage markings. 2 reel labels, one attached to the outside flange surface, one attached to the drum wrapping; each to detail total footage, inside or starting footage.	

AREA LIGHTS

Manufacturer	Lum Code	Wattage	Lumens	Manufacturer Product Code
CREE XSP GRAY - Area Light Request Only				
CU 1392	Roadway	24W LED	3040	XSPSM-D-HT-3ME-5L-40K7-UL-SV-N-X1
CU 1393	Roadway	33W LED	4025	XSPSM-D-HT-3ME-5L-40K7-UL-SV-N-X4
CU 1395	Roadway	49W LED	6050	XSPSM-D-HT-3ME-8L-40K7-UL-SV-N-X4
CU 1396	Roadway	67W LED	9175	XSPMD-D-HT-3ME-12L-40K7-UL-SV-N-X4
CU 2200	Roadway	135W LED	18700	MPN XSPLG D HT 3ME 18L 40K7 UL SV N
CREE XSP BRONZE - Area Light Request Only				
CU 1355	Roadway	24W LED	3040	XSPSM-D-HT-3ME-5L-40K7-UL-BZ-X1
CU 1356	Roadway	33W LED	4025	XSPSM-D-HT-3ME-5L-40K7-UL-BZ-X4
CU 1357	Roadway	49W LED	6050	XSPSM-D-HT-3ME-8L-40K7-UL-BZ-X4
CU 1358	Roadway	67W LED	9175	XSPMD-D-HT-3ME-12L-40K7-UL-BZ-X4
EATON FLOOD- Bronze color				
CU 1492	Flood	82W LED	11,802	UFLD-CA2-80-740-U-66-Y-BZ-10K-PR7-U124397
CU 288	Flood	124W LED	19,230	UFLD-CA2-120-740-U-66-Y-BZ-10K-PR7-U124398
CU 289	Flood	184W LED	25,833	UFLD-CA2-180-740-U-66-Y-BZ-10K-PR7-U123410
CU 766	Flood	322W LED	46,802	UFLD-L-CA4-320-740-U-66-Y-BZ-10K-PR7-U124664
MISCELLANEOUS				
CREE XSP SHIELD				
				Description
				SM (XA-SPR3BLS)
				M (XA-SP1BLS)
				LG (XA-SP2BLS)
CREE BETA SHIELD				
				XA-XSLBLS120

POLES

Manufacturer	Footings	Arm Type	Manufacturer Product Code
CUSTOMER OWNED			
25 Ft Aluminum with 4' Single (UG) - CU 274			
Valmont*	Anchor Base	Single	220840705T4/1MA0432840-SBF-11"BC
Hapco	Anchor Base	Single	21-362PGE
P&K Poles (Flagpole Inc)	Anchor Base	Single	RTA7L25AAS1432D
25 Ft Aluminum with 4' Single (UG), Bronze - CU 332			
Valmont*	Anchor Base	Single	220840705T4/1MA0432840-DNB-11"BC
25 Ft Aluminum with 4' Single (UG), Black - CU 336			
Valmont*	Anchor Base	Single	220840705T4/1MA0432840-DBL-11"BC
25 Ft Aluminum with 4' Davit (UG) - CU 278			
Valmont *	Anchor Base	Davit	250075105D4Z-SBF-11"BC
Hapco	Anchor Base	Davit	41-103PGE
P&K Poles (Flagpole Inc)	Anchor Base	Davit	RTA7L25AAD1432D
25 Ft Aluminum with 4' Single (OH) - CU 275			
Valmont*	Anchor Base	Single	220845705T4/1MA0432840-SBF-11"BC
Hapco	Anchor Base	Single	54423PGE
P&K Poles (Flagpole Inc)	Anchor Base	Single	N/A
30 Ft Aluminum with 6' Single (UG) - CU 276			
Valmont*	Anchor Base	Single	270845805T4/1MA0632845-SBF-11"BC
Hapco	Anchor Base	Single	21-585PGE
P&K Poles (Flagpole Inc)	Anchor Base	Single	RTA8L30AAS1632D
30 Ft Aluminum with 6' Single (UG), Bronze - CU 333			
Valmont*	Anchor Base	Single	270845805T4/1MA0632845-DNB-11"BC
30 Ft Aluminum with 6' Single (UG), Black - CU 337			
Valmont*	Anchor Base	Single	270845805T4/1MA0632845-DBL-11"BC
30 Ft Aluminum with 6' Davit (UG) - CU 279			
Valmont *	Anchor Base	Davit	3000-85106D4-SBF-11"BC
Hapco	Anchor Base	Davit	41-176PGE
P&K Poles (Flagpole Inc)	Anchor Base	Davit	RTA8L30AAD1632D
25 Ft Aluminum with 4' Double Davit (UG) - CU 1906			
Valmont*	Anchor Base	Double Davit	250075204D4Z-SBF-11"BC
30 Ft Aluminum with 2-6' Double Davit (UG) - CU 1258			
Valmont *	Anchor Base	Double Davit	3000-85206D4Z-SBF-11"BC
Hapco	Anchor Base	Double Davit	42-158XPGE
P&K Poles (Flagpole Inc)	Anchor Base	Double Davit	N/A
35 Ft Aluminum with 8' Single (UG) - CU 326			
Valmont*	Anchor Base	Single	3208-45806T4/1MA0832845-SBF-11"BC
Hapco	Anchor Base	Single	21-867PGE
P&K Poles (Flagpole Inc)	Anchor Base	Single	RTA8M35AAS1832D
35 Ft Aluminum with 8' Single (UG), Bronze - CU 334			
Valmont*	Anchor Base	Single	320845806T4/1MA0832845-DNB-11"BC
35 Ft Aluminum with 8' Single (UG), Black - CU 338			
Valmont*	Anchor Base	Single	320845806T4/1MA0832845-DBL-11"BC
35 Ft Aluminum with 8' Davit (UG) - CU 280			
Valmont *	Anchor Base	Davit	3500-86108D4Z-SBF-11"BC
Hapco	Anchor Base	Davit	41-231PGE
P&K Poles (Flagpole Inc)	Anchor Base	Davit	RTA8M35AAD1832D
40 Ft Aluminum with 8' Davit (UG) - CU 335			
Valmont *	Anchor Base	Davit	4000-87108D4Z-SBF-11"BC
Hapco	Anchor Base	Davit	41-339PGE
P&K Poles (Flagpole Inc)	Anchor Base	Davit	RTA8H40AAD1832D
14 Ft Fluted Decorative Cast Aluminum - CU 331			
Hadco/Signify *	Anchor Base	Post-Top	P-2065-14-A
Amerlux Exterior LLC	Anchor Base	Post-Top	D1305-14/BLK-PGE-GBL
Hapco	Anchor Base	Post-Top	77920PGE
Holophane	Anchor Base	Post-Top	WDA 14 FSJ 17D C03 BK LAB
Valmont	Anchor Base	Post-Top	140050506UW

POLES CONT.

16 Ft Decorative Cast Aluminum - CU 328			
Hadco/Signify *	Anchor Base	Post-Top	P-2065-16-A
Amerlux Exterior LLC	Anchor Base	Post-Top	D1305-16/BLK-PGE-GBL
Hapco	Anchor Base	Post-Top	77920L24PGE
Holophane	Anchor Base	Post-Top	WDA 16 F5J 17D C03 BK LAB
Valmont	Anchor Base	Post-Top	160050506UW
16 Ft Aluminum, Spun, Natural Al Finish - CU 281			
Valmont*	Anchor Base	Post-Top	150830504T4
Hapco	Anchor Base	Post-Top	57453-005PGE
P&K Poles (Flagpole Inc)	Anchor Base	Post-Top	RTA5L16AA32D
23 Ft Aluminum Smooth, Black - use with Aurora Fixture - CU 1498			
Stresscrete (Pole has 3 pieces - Mast arm & shroud has separate SU's)	Anchor Base	Post-Top	KMRE-A-23FT-TXT BLACK S/F KSB52 DWG PGE-AURORA-4
25 Ft Aluminum with 6' Single (UG, Breakaway Anchor Base) - CU 324			
Hapco*	Anchor Base	Single	111420
30 Ft Aluminum with 6' Single (UG, Breakaway Anchor Base) - CU 325			
Hapco*	Anchor Base	Single	111421
35 Ft Aluminum with 6' Single (UG, Breakaway Anchor Base) - CU 327			
Hapco*	Anchor Base	Single	111422
25 Ft Composite, 1-Piece Smooth Finish - Black - CU 1500			
Shakespeare *	Anchor Base	Single	AK25-16S1BB01
Whatley	Anchor Base		
30 Ft Composite, 1-Piece Smooth Finish - Black - CU 1501			
Shakespeare *	Anchor Base	Single	AK30-16S1BB01
Whatley	Anchor Base		
35 Ft Composite, 1-Piece Smooth Finish - Black - CU 1502			
Shakespeare *	Anchor Base	Single	AK35-16S1BB01
Whatley			
35 Ft Composite, 1-Piece Smooth Finish - Gray - CU 1503			
Shakespeare *	Anchor Base	Single	AK35-16S2BB01
Whatley			
18 Ft Composite, 2-Piece, Smooth Finish, Top Piece Only - 14' MH			
Shakespeare - BLACK * - CU 1117	Direct Buried	Single	BHT1801S1B1J9901
Shakespeare - BRONZE * - CU 1127	Direct Buried	Single	BHT1801S5B1J9901
18 Ft Composite, 2-Piece, Smooth Finish, Stub Piece Only			
Shakespeare *	Direct Buried	Single	BHS1801N9B1J9901
20 Ft Composite, 2-Piece, Smooth Finish, Top Piece Only - 16' MH			
Shakespeare - BLACK * - CU 1120	Direct Buried	Single	BHT2001S1B1J9901
Shakespeare - BRONZE * - CU 1123	Direct Buried	Single	BHT2001S5B1J9901
20 Ft Composite, 2-Piece, Smooth Finish, Stub Piece Only			
Shakespeare	Direct Buried	Single	BHS2001N1B1J9901
30 Ft Composite, 2-Piece, Smooth Finish, Top Piece Only - 25' MH			
Shakespeare - BLACK * - CU 1113	Direct Buried	Single	BHT3099S1B1L9901
Shakespeare - BRONZE * - CU 1111	Direct Buried	Single	BHT3099S5B1L9901
Shakespeare - GRAY * - CU 1105	Direct Buried	Single	BHT3099S2B1L9901
30 Ft Composite, 2-Piece, Smooth Finish, Stub Piece Only			
Shakespeare *	Direct Buried	Single	BHS3099N3B1L9901
35 Ft Composite, 2-Piece, Smooth Finish, Top Piece Only - 30' MH			
Shakespeare - BLACK *	Direct Buried	Single	BXT3599S1B1L9901
Shakespeare - BRONZE * - CU 1114	Direct Buried	Single	BXT3599S5B1L9901
Shakespeare - GRAY * - CU 1108	Direct Buried	Single	BXT3599S2B1L9901
35 Ft Composite, 2-Piece, Smooth Finish, Stub Piece Only			
Shakespeare	Direct-Buried	Single	BXS3599N2B1L9901

FOOTINGS, MAST ARMS & SHROUDS

FOOTINGS			
Pole Footings Concrete			
Precast Concrete Base	Bolt Circle	Bolt Type	Base Dimensions
For 16 Foot Pole 1944 Only SU (146)	8 inch	3/4" -10 NC Galv Steel	18" Square by 48" High
For all decorative and post-top anchor base poles 14 to 25 feet. SU (39083)	11 inch	1" - 8 NC Galv Steel	20" Round by 48" High
For 25 to 35 Foot Aluminum or Fiberglass Anchor Base Poles SU (147)			14" Square by 60" High
For 40 Foot Al Poles SU (39094)			18" Top, 24" Bottom 84" High
MOUNTING ARMS & SHROUDS FOR HADCO ALUMINUM POLES			
Mounting Arms			
SU#	Description		
90010241	Banner Arm 5" RD TWIN BANNER ARM, 5" POST MOUNT, 24" ARM USE ONLY WITH HADCO 14' AND 16' ALUM POLES		
90010242	BRACKET FLOWER POT SINGLE, 5" POST MOUNT, 12" ARM LENGTH, BLACK COLOR USE ONLY WITH HADCO 14' AND 16' ALUM POLES		
Twin Decorative Arm for Hadco 14' or 16' Fluted Cast Aluminum Poles			
Hadco	Amerlux Exterior LLC		
PTH2520P3A (SU 39480)	2BR50-3/GBL-PGE		
Pole Shroud for 18' Hadco Pole			
SU	Hadco		
90010254	For replacement on Hadco Westbrook 18' Streetlight Pole		
T2 Adapter and Harness - Hadco Arm Connector			
SU	King		
90011748	T2 Adapter w/ 9 in harness. For existing Hadco arm installation only		
Pole Shroud for 23' Stress Crete Pole			
SU	King		
90011696	For replacement on 23' Stree Crete Streetlight Pole		

FOOTINGS, MAST ARMS & SHROUDS CONT.

MAST ARMS

Mast Arm for 23' Stress Crete Pole

Length	King
4 foot Aluminum Mast Arm (SU 90011695)	KA32-S-1-4FT-TXTBLACKC/WKPL20- PR7ANDHARNNESS/DWG PGE-AUORORA-3

Mast Arms for Transmission Poles

Length	Valmont
14 foot Aluminum Mast Arm* (SU 90011224)	1TA1432PMA-A41804R1
12 foot Aluminum Mast Arm* (SU 90011296)	1TA1232PMA-A41804R1
10 foot Aluminum Mast Arm* (SU 90011297)	1TA1032PMA-A41804R1

*Request Only Items

Steel Arms for Wood Poles

Length	Valmont	SALCO	Maclean Power Systems	WICO
2 foot, cantilever, no brace (SU 2016) (CU 861)	ACSA-125-020	WP-125-2-S	S-125-2G	
4 foot, cantilever, no brace (SU 2017) (CU 315)	ACSC 125-040	WP-125-4-S	S-125-4G	
6 foot, cantilever, no brace (SU 2018) (CU 316)		WP-125-6-S	S-125-6G	
8 foot, single brace (SU 2019) (CU 317)		WPSG-125-8-S-PGE	S-125-8SG-30R	
10 foot, double brace (SU 2020) (CU 318)		WPDG-125-10-S	S-125-10DG	
12 foot, double brace (SU 2021) (CU 319)		WPDG-125-12-S	S-125-12DG	
14 foot, double brace (SU 2022) (CU 320)		WPDG-125-14-S	S-125-14DG	
18" Double Floodlight Unit, 2" Pipe, 18" Rise (SU 38078) (CU 1022)		WP2F-2-1.5-S		
14" Single Floodlight Bracket (SU 2901) (CU 1057)				WI-15-TL

Arms for Composite Poles

Length, Finish	Whitley	Salco	Valmont	Shakespeare
8" Bronze Finish Tenon-Mount (SU 39498) (CU 329)			1HT90H30B (PWD DARK BRONZE)	OPAR-3T-0.7- BZ
8" Black Finish Tenon-Mount (SU 90009810) (CU 1496)				OPAR-3T-0.7- BK
8" Bronze Finish (side mount) AL Or Steel (SU 2025) (CU 350)	SB8-2DDB		1HS23808B475	OPAR-0.7-PGE-BR
6 Foot AL Finish (SU 2026) (CU 751)	MA-72		IMA0632B475 W/HARDWARE	OPAR-6
6 Foot Bronze Finish (SU 2027) (CU 775)	MA-72DDB		IMA0632B475-BRZ	OPAR-6-BRONZE
6 Foot Black Finish (SU 90003576) (CU 1231)	MA-72DBL		IMA0632B475-BLK	OPAR-6-BK
8 Foot AL Finish (SU 39202) (CU 1131)	MA-96		IMA0832B475	OPAR-8
8 Foot Bronze Finish (SU 39201) (CU 1132)	MA-96DDB		IMA0832B475-BRZ	OPAR-8-BRONZE
8 Foot Black Finish (SU 90003577) (CU 1232)	MA-96DBL		IMA0832B475-BLK	OPAR-8-BK
14" Single Floodlight Arm, AL Finish (38076 Arm+ 38077 Adapter) (CU 1023)		SFA-2A (Arm) + FA-A (Adapter)		