

TAD-454.4

APPROVED AIRPORT LIGHTING EQUIPMENT



October 26, 1971

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

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ADVISORY CIRCULAR

DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION

SUBJECT: APPROVED AIRPORT LIGHTING EQUIPMENT

1. PURPOSE. This circular contains lists of approved airport lighting equipment and manufacturers qualified to supply their product in accordance with the indicated specification requirements.
2. CANCELLATION. This circular cancels AC 150/5345-1B, Approved Airport Lighting Equipment, dated 30 October 1968.
3. REFERENCE. AC 150/5370-1A, Standard Specifications for Construction of Airports, dated May 1968.
4. BACKGROUND. The equipment and material listed in this advisory circular are assigned an L-800 series number and an advisory circular number. The original specifications with an L-800 series number were rewritten in accordance with the requirements of the Advisory Circular System. The specifications were assigned a number under the airport subject classification 150/5345.
5. EXPLANATION OF REVISION. This circular makes deletions and revisions to the lists of approved airport lighting equipment. It also adds new approved equipment and the suppliers thereof to the lists.
6. HOW TO OBTAIN THIS CIRCULAR. Obtain additional copies of this circular, AC 150/5345-1C, Approved Airport Lighting Equipment, from the Department of Transportation, Distribution Unit, TAD-484.3, Washington, D.C. 20590.

A handwritten signature in cursive script that reads 'Chester G. Bowers'.

CHESTER G. BOWERS
Director, Airports Service

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L-801 - Beacon

MANUFACTURER	APPROVED CATALOG NUMBER	REMARKS
Crouse-Hinds	44035A	With Lamp Changer
Airport Lighting and Navigational Aids Co.	RB-2/1000	Without Lamp Changer
Airport Lighting and Navigational Aids Co.	RB-4/1000	With Lamp Changer

L-802 - Runway and Strip Light

MANUFACTURER	APPROVED CATALOG NUMBERS					
	STAKE MOUNTED		BASE MOUNTED		STAKE WITH JUNCTION BOX	
	CLEAR	GREEN	CLEAR	GREEN	CLEAR	GREEN
Crouse-Hinds	47295E	47296E	47299E	47300E	47303E	47304E
General Electric	C958G336	C958G344	C958G301	C958G309		
McGraw-Edison	LP2E3	LP2E5	LP2E4	LP2E6		
Westinghouse Electric	810C751G02	810C751G03	810C751G04	810C751G05		
Multi Electric Mfg. Company	1093	1092	1083	1082		
Hughey & Phillips	ML31A	ML31C	ML31B	ML31D		
Airport Lighting & Navigation Aids	RWL - MILSC	RWL - MILSG	RWL - MILSC	RWL - MILSG		
Airport Lighting	16-S49	16-S50	16-S49	16-S50		

L-807 - Eight-Foot and Twelve-Foot Illuminated Wind Cone

MANUFACTURER	APPROVED CATALOG NUMBERS				
	OBSTRUCTION LIGHTS AND		OBSTRUCTION LIGHTS ONLY	EXTERNAL LIGHTS ONLY	COMPLETE FOR WIND TEE MOUNTING
	EXTERNAL LIGHTS	LESS LIGHTS			
		<u>EIGHT-FOOT WIND CONE</u>			
Crouse-Hinds	44481B	44482A	44483B	44484A	44593
Westinghouse Electric	S#1372750	S#1372753	S#1372752	S#1372751	
Hughey & Phillips	WC818A	WC8180	WC818C	WC8180	
Airport Lighting & Navigational Aids	WC-8-L	WC-8-OL			
	<u>TWELVE-FOOT WIND CONE</u>				
Hughey & Phillips	WC1236A	WC1236D	WC1236C	WC1236B	
Crouse-Hinds	48310	48311	48312	48313	

L-808 - Lighted Wind Tee

MANUFACTURER	APPROVED CATALOG NUMBERS	REMARKS
Crouse-Hinds	43339-C	

L-810 - Obstruction Light

MANUFACTURER	APPROVED CATALOG NUMBERS			
	SINGLE UNIT		DOUBLE UNIT	
	SIDE ENTRANCE HUB	BOTTOM ENTRANCE HUB	SIDE ENTRANCE HUB	BOTTOM ENTRANCE HUB
		<u>Series - Medium Prefocus Sockets</u>		
Crouse-Hinds	44721	44506A	-----	44508A
General Electric	-----	C958G802	-----	C958G804
Hughey and Phillips	OB21P-4(a)	OB20P-4(a)	OB24P-4(a)	OB22P-4(a)
Revere Electric	-----	6051	-----	6053
Westinghouse Electric	-----	S#1569337	-----	S#1569339
		<u>Multiple - Medium Screw Sockets</u>		
Crouse-Hinds	44722	44505A	-----	44507A
General Electric	-----	C958G801	-----	C958G803
Hughey and Phillips	OB21-4(a)	OB20-4(a)	OB24-4(a)	OB22-4(a)
Westinghouse Electric	-----	S#1569336	-----	S#1569338
<u>REMARKS:</u>				
(a) Use Suffix 3 For 3/4" Tap When Required.				

L-811 - Static Indoor Type Constant Current Regulator Assembly,
4KW; With Brightness Control and Runway Selection For
Direct Operation

MANUFACTURER	APPROVED CATALOG NUMBERS	REMARKS
General Electric	C901G100C	
Hevi-Duty Electric	D-42989	

L-812 - Static Indoor Type Constant Current Regulator Assembly;
4KW and 7½KW; With Brightness Control for Remote Operation

MANUFACTURER	APPROVED CATALOG NUMBERS	
	Size I - 4KW	Size II - 7½KW
General Electric	C901G101C	C901G102C
Hevi-Duty Electric	52610	D-52640

L-813 - Static Indoor Type Constant Current Regulator Assembly;
4KW and 7½KW; For Remote Operation of Taxiway Lights

MANUFACTURER	APPROVED CATALOG NUMBERS	
	Size I - 4KW	Size II - 7½KW
General Electric	C901G103C	C901G104C
Hevi-Duty Electric	52620	D-52650

**L-821 - Airport Lighting Panel for Remote
Control of Airport Lighting**

MANUFACTURER	APPROVED CATALOG NUMBERS				
	Type S		Type F		
	Size 1	Size 2	Size 1	Size 2	Size 3
Crouse-Hinds	CPS-1	CPS-2	CPF-1	CPF-2	CPF-3
Multitech Control Products	201-821S	202-821S	201-821F	202-821F	203-821F
Universe, Inc.	L-821-1S	L-821-2S	L-821-1F	L-821-2F	L-821-3F
Westinghouse Electric	CL5C841G01	CL5C861G01	CL5C851G01	CL5C831G01	CL5C871G01
Jackson Products Company		94-821-22			

L-822 - Taxiway Edge Light

MANUFACTURER	APPROVED CATALOG NUMBERS		
	STAKE MOUNTED (BLUE)	BASE MOUNTED (BLUE)	STAKE WITH JUNCTION BOX (BLUE)
Crouse-Hinds	47298E	47302E	47306E
General Electric	C958G541	C958G501	
McGraw-Edison	LP2E1	LP2E2	
Multi Electric	1094	1084	
Westinghouse Electric	810C751G06	810C751G07	
Hughey and Phillips	ML31E	ML31F	
Airport Lighting	16-851	16B51	
Airport Lighting & Navigation Aids	TWL-MILS	TWL-MILB	
NOTE: See Page	for L-857 Base Suppliers.		

L-823 - Plug and Receptacle, Cable Connectors

TYPE AND SIZES	MANUFACTURER	APPROVED CATALOG NUMBERS
Fig. 1a	The Elastimold Division of ESNA	Cm
	Hatfield Wire & Cable	MC-27
	Joy Manufacturing	X8405M
	Pacific Electricord	823-1a
	Westinghouse Electric	S#1567650
	Waldo Electronics Co.	823-1a
Fig. 1b	The Elastimold Division of ESNA	Cf
	Joy Manufacturing	X8405F
	Pacific Electricord	823-1b
	Waldo Electronics Co.	823-1b
Fig. 1c	Cords Limited	C14313
	The Elastimold Division of ESNA	Cr
	Hatfield Wire & Cable	FC-17
	Joy Manufacturing	2G125F1A
	Pacific Electricord	823-1c
Fig. 6a	Cords Limited	C14314
	The Elastimold Division of ESNA	Em
	Hatfield Wire & Cable	MC-26
	Joy Manufacturing	X8077M
	Pacific Electricord	823-6a
	Waldo Electronics Co.	823-6a

L-823 - Plug and Receptacle, Cable Connectors
(continued)

TYPE AND SIZES	MANUFACTURER	APPROVED CATALOG NUMBERS
Fig. 6b	Cords Limited	C14315
	The Elastimold Division of ESNA	EP
	Hatfield Wire & Cable	FC-19
	Joy Manufacturing	X8077F
	Pacific Electricord	823-6b
	Waldo Electronics Co.	823-6b
Fig. 11	Cords Limited	C14316
	The Elastimold Division of ESNA	1839-E1
	Hatfield Wire & Cable	FC-18
	Joy Manufacturing	X8077MF
Fig. 14a/14b	The Elastimold Division of ESNA	54-F4-F4
	Joy Manufacturing	X8077-257
Fig. 14c/14d	The Elastimold Division of ESNA	54-E4-E4
	Joy Manufacturing	X8077-301
Fig. 14e/14f	The Elastimold Division of ESNA	54-D4-D4
	Joy Manufacturing	X8077-387
Fig. 15a/15b	The Elastimold Division of ESNA	

L-824 - Underground Electrical Cables
For Airport Lighting Circuits

MANUFACTURER	TYPE "A" - PERFORMANCE INSULATION (NON-SHIELDED)		
	600 VOLTS		APPROVED TRADE NAME
	SINGLE CONDUCTOR	MULTIPLE CONDUCTOR	
	AWG Sizes	AWG Sizes	
American Insulated Wire	12-10-8-6-4	12-10-8-6-4	A.I.W. Corp.
Anaconda Wire & Cable	12-10-8-6-4	12-10-8-6-4	Durasheath Airport
Collyer Insulated Wire	12-10-8-6-4	12-10-8-6-4	Suprene RR
Cornish Wire Co.	12-10-8-6-4	12-10-8-6-4	Cornish Wire Co.
Crescent Insulated Wire & Cable	12-10-8-6-4	12-10-8-6-4	Impervex Trenchwire
General Cable	12-10-8-6-4	-----	General Cable - SS
General Cable	-----	12-10-8-6-4	General Cable
General Electric	12-10-8-6-4	12-10-8-6-4	GE Versatol - Geoprene
Hatfield Wire & Cable	12-10-8-6-4	12-10-8-6-4	Permaprene
Okonite	12-10-8-6-4	12-10-8-6-4	Watertite Okoprene
Essex International, Inc.	12-10-8-6-4	12-10-8-6-4	Essex
Phelps Dodge Copper Products	12-10-8-6-4	12-10-8-6-4	Habirducat - Habirprene
Reynolds Metals Co.	12-10-8-6-4	12-10-8-6-4	Reynolds
Rome Cable, Division of Cyprus Mines Corp.	12-10-8-6-4	12-10-8-6-4	RoMarine RoPrene RR

L-824 - Underground Electrical Cables
For Airport Lighting Circuits
 (continued)

MANUFACTURER	TYPE "A" - PERFORMANCE INSULATION (NON-SHIELDED)		
	600 VOLTS		APPROVED TRADE NAME
	SINGLE CONDUCTOR	MULTIPLE CONDUCTOR	
	AWG Sizes	AWG Sizes	
Simplex Wire & Cable	12-10-8-6-4	12-10-8-6-4	Anhydrex Neoprene
Triangle Conduit & Cable	12-10-8-6-4	12-10-8-6-4	Trioprene
Western Insulated Wire	12-10-8-6-4	-----	Bronco - 60
Whitney Blake	12-10-8-6-4	12-10-8-6-4	Whitney Blake
	TYPE "C" - CROSS LINKED POLYETHYLENE INSULATED (NON-SHIELDED)		
	600 VOLTS		APPROVED TRADE NAME
	SINGLE CONDUCTOR	MULTIPLE CONDUCTOR	
	AWG Sizes	AWG Sizes	
American Insulated Wire	12-10-8-4	-----	A.I.W. Corp.
Cerro Wire & Cable	12-10-8-4	-----	Cerro
Collyer Insulated Wire Company	12-10-8-6-4	12-10-8-6-4	Collyer L-824
Essex International, Inc.	12-10-8-6-4	-----	Essex L-824
Rome Cable	12-10-8-6-4	12-10-8-6-4	Rome L-824

L-824 - Underground Electrical Cables
For Airport Lighting Circuits
(continued)

MANUFACTURER	TYPE "B" - OZONE RESISTANT INSULATION (NON-SHIELDED)		
	5000 VOLTS		APPROVED TRADE NAME
	SINGLE CONDUCTOR	MULTIPLE CONDUCTOR	
	AWG Sizes	AWG Sizes	
American Insulated Wire	8-6-4	8-6-4	A.I.W. Corp.
Anaconda Wire & Cable	8-6-4	8-6-4	Durasheath Airport
Cerro Wire & Cable	8-6-4	8-6-4	Circle Sheath
Collyer Insulated Wire	8-6-4	8-6-4	Suprene RR
Cornish Wire Co.	8-6-4	8-6-4	Cornish Wire Co.
Crescent Insulated Wire & Cable	8-6-4	-----	Hyvolt Trenchwire
Crescent Insulated Wire & Cable	-----	8-6-4	Hyvolt Trenchcable
General Cable	8-6-4	8-6-4	General Cable
General Electric	8-6-4	8-6-4	GE Super Coronol- Geoprene
Hatfield Wire & Cable	8-6-4	8-6-4	Permaprene
Okonite	8-6-4	8-6-4	Okonex-Okoprene
Essex Int., Inc.	8-6-4	-----	Paranite Paraprene
Phelps Dodge Copper Products	8-6-4	-----	Habirite-Habirprene

**L-824 - Underground Electrical Cables
For Airport Lighting Circuits
(continued)**

MANUFACTURER	TYPE "C" OZONE RESISTANT INSULATION (NON-SHIELDED)		
	5000 VOLTS		APPROVED TRADE NAME
	SINGLE CONDUCTOR	MULTIPLE CONDUCTOR	
	AWG Sizes	AWG Sizes	
Reynolds Metals Co.	8-6-4	8-6-4	Reynolds
Simplex Wire & Cable	8-6-4	-----	Anhydrex Neoprene
Triangle Conduit & Cable	8-6-4	8-6-4	Trizone Trioprene
Whitney Blake	8-6-4	8-6-4	Whitney Blake
TYPE "C" - CROSS LINKED POLYETHYLENE INSULATION (NON-SHIELDED)			
	5000 VOLTS		APPROVED TRADE NAME
	SINGLE CONDUCTOR	MULTIPLE CONDUCTOR	
	AWG Sizes	AWG Sizes	
Cerro Wire & Cable	8-6-4	-----	Cerro
American Insulated Wire	8-6-4	-----	A.I.W. Corp.
Collyer Insulated Wire Company	8-6-4	8-6-4	Collyer
Essex Int., Inc.	8-6-4	-----	Essex L-824
Rome Cable	8-6-4	-----	Rome L-824

L-824 - Underground Electrical Cables
For Airport Lighting Circuits
 (continued)

TYPE "B" - OZONE RESISTANT INSULATION (SHIELDED)			
MANUFAC- TURER	5000 VOLTS		APPROVED TRADE NAME
	SINGLE CONDUCTOR	MULTIPLE CONDUCTOR	
	AWG Sizes	AWG Sizes	
Collyer Insulated Wire	8-6-4	-----	Suprene RR
Cornish Wire Co.	8-6-4	-----	Cornish Wire Co.
General Cable	8-6-4	-----	General Cable
General Electric	8-6-4	-----	GE Super Coronol- Geoprene
Hatfield Wire & Cable	8-6-4	-----	Permaprene
Phelps Dodge Copper Products	8-6-4	-----	Habirite Habirprene
Reynolds Metals Co.	8-6-4	-----	Reynolds
Simplex Wire & Cable	8-6-4	-----	Anhydrex XX

TYPE "C" - CROSS LINKED POLYETHYLENE INSULATION (SHIELDED)

MANUFAC- TURER	5000 VOLTS		APPROVED TRADE NAME
	SINGLE CONDUCTOR	MULTIPLE CONDUCTOR	
	AWG Sizes	AWG Sizes	
Collyer Insulated Wire	8-6-4	8-6-4	Collyer

L-828 - Constant Current Regulator With
Stepless Brightness Control

MANUFACTURER	APPROVED CATALOG NUMBERS 6.6 Amperes			
	10KW	20KW	25KW	30KW
Hevi-Duty Electric	54800P	52980P	-----	54780P
General Electric	C901G400C	C901G420C	C901G480C	C901G440C
MANUFACTURER	APPROVED CATALOG NUMBERS 6.6 Amperes with Internal Control Power and Primary Switch			
	10KW	20KW	25KW	30KW
Hevi-Duty Electric	57160	57080	57310	57020
General Electric		C901G424C	C901G482C	C901G442C
MANUFACTURER	APPROVED CATALOG NUMBERS 20 Amperes			
	10KW	20KW	30KW	
Hevi-Duty Electric	54810P	54790P	54820P	
General Electric			C901G441C	

**L-828 - Constant Current Regulator With
Stepless Brightness Control
(continued)**

MANUFACTURER	APPROVED CATALOG NUMBERS 20 Amperes with Internal Control Power and Primary Switch		
	10KW	20KW	30KW
Hevi-Duty Electric General Electric	57170	57180	56900 C901G443C
MANUFACTURER	APPROVED CATALOG NUMBERS 20 Amperes		
	50KW		70KW
Hevi-Duty Electric General Electric	54580P C901G460C		56740P
MANUFACTURER	APPROVED CATALOG NUMBERS 20 Amperes with Internal Control Power and Primary Switch		
	50KW		70KW
Hevi-Duty Electric General Electric	56890 C901G461C		57230
MANUFACTURER	APPROVED CATALOG NUMBERS 6.6 Amperes 240-Volt With Primary Contactor		
	25KW		
Hevi-Duty Electric	D-57320		

L-829 - Internally Lighted Airport Taxi Guidance Sign
Series Circuit

	Sign Only	With Base Plate	With Stake	No. of Sections
MANUFACTURER				
Crouse-Hinds		48292	48286	1
		48293	48287	2
		48294	48288	3
		48295	48289	4
		48296	48290	5
		48297	48291	6
		48298		7
		48299		8
Standard	1901	1901-B	1901-S	1
	1902	1902-B	1902-S	2
	1903	1903-B	1903-S	3
	1904	1904-B	1904-S	4
	1905	1905-B	1905-S	5
	1906	1906-B	1906-S	6
	1907	1907-B	1907-S	7
	1908	1908-B	1908-S	8
Multiple Circuit				
	Sign Only		No. of Sections	
MANUFACTURER				
Standard	1901-M		1	
	1902-M		2	
	1903-M		3	
	1904-M		4	
	1905-M		5	
	1906-M		6	
	1907-M		7	
	1908-M		8	

L-829 - Internally Lighted Airport Taxiway Guidance Sign
Series Circuit
Type I

MANUFACTURER	With Base Plate	With Stake	No. of Sections
Airport Lighting & Navigational Aids	LTGS-B1-S	LTGS-S1-S	1
	LTGS-B2-S	LTGS-S2-S	2
	LTGS-B3-S		3
	LTGS-B4-S		4
	LTGS-B5-S		5
	LTGS-B6-S		6
	LTGS-B7-S		7
	LTGS-B8-S		8
<u>Multiple Circuit</u>			
Airport Lighting & Navigational Aids	LTGS-B1-M	LTGS-S1-M	1
	LTGS-B2-M	LTGS-S2-M	2
	LTGS-B3-M		3
	LTGS-B4-M		4
	LTGS-B5-M		5
	LTGS-B6-M		6
	LTGS-B7-M		7
	LTGS-B8-M		8

L-833 - Individual Lamp Series-To-Series Type Insulating Transformer for 600 Volt or 3000 Volt Series Circuits

APPROVED CATALOG NUMBERS		
MANUFACTURER	WITHOUT EXTRA CABLE ASSEMBLIES	WITH EXTRA CABLE ASSEMBLIES
The Elastimold Division of ESNA	1954-B4	1954-C4
General Electric	3303795AB	3303795

L-834 - Individual Lamp Series-To-Series Type Insulating
Transformer for 5000 Volt Series Circuit

MANUFACTURER	APPROVED CATALOG NUMBERS			
	WITHOUT EXTRA CABLE ASSEMBLIES		WITH EXTRA CABLE ASSEMBLIES	
	TYPE I 100W	TYPE II 200W	TYPE I 100W	TYPE II 200W
The Elastimold Division of ESNA	2043-A2	2043-B3	2043-C2	2034-C3
General Electric	3303782AB		3303782	
General Electric	C906G003			

L-838 - Semiflush Prismatic Airport Light

MANUFACTURER	APPROVED CATALOG NUMBERS		
	TYPE I BIDIRECTIONAL	TYPE II UNIDIRECTIONAL	TYPE III UNIDIRECTIONAL
Multi Electric	950-300	952-300	960-335
Crouse-Hinds	FMB-47620	FMU-47621	FMU-47669

L-839 - Individual Lamp Series-To-Series Type
Insulating Transformer for 5000-Volt Series
Circuit 6.6/20 Amperes 300 Watt

MANUFACTURER	APPROVED CATALOG NUMBERS	
	WITHOUT EXTRA CABLE ASSEMBLIES	WITH EXTRA CABLE ASSEMBLIES
General Electric	C906G303	C948G005

**L-841 - Auxiliary Relay Cabinet Assembly For
Pilot Control of Airport Lighting Circuits**

MANUFACTURER	APPROVED CATALOG NUMBERS	REMARKS
Crouse-Hinds	51503	
Multitech Control Products	714841	
Hughey & Phillips	RC41	

L-842 - Airport Centerline Light

MANUFACTURER	APPROVED CATALOG NUMBERS			
	TYPE I		TYPE II	
	STYLE A	STYLE B	STYLE A	STYLE B
Westinghouse Electric Corporation	890D847G05		890D847G04	
Structural Electric Products Corp.	19508		19506	
Sylvania Electric Products Inc.	PG3001		PG3002	

**L-843 - Airport In-Runway Touchdown
Zone Light**

MANUFACTURER	APPROVED CATALOG NUMBERS	
	TYPE A	TYPE B
Westinghouse Electric Crouse-Hinds Company	(W) S#890D349G03 FLU47983	(W) S#890D350G02

**L-844 - Individual Lamp Series-To-Series Type Insulating
Transformer for 5000 Volt Series Circuit
20/6.6 Amperes 200 Watt**

MANUFACTURER	APPROVED CATALOG NUMBERS	
	WITHOUT EXTRA CABLE ASSEMBLIES	WITH EXTRA CABLE ASSEMBLIES
The Elastimold Division of ESNA	2023-B2	
General Electric	C906G302	

**L-846 - Electrical Wire for Lighting
Circuits to be Installed in
Airport Pavements**

MANUFACTURER	AWG SIZES	APPROVED TRADE NAME
General Cable	14-12-10	General Cable - L-846
Plastic Wire and Cable Corporation	14-12-10	Plastic Wire and Cable- L-846
American Insulated Wire Corporation	14-12-10	A.I.W. Corporation - L-846
Crescent Insulated Wire and Cable	14-12-10	Crescent - L-846
Collyer Wire Company	14-12-10	Collyer L-846

**L-848 - Medium Intensity Approach
Light Bar Assembly**

MANUFACTURER	APPROVED CATALOG NUMBERS	REMARKS
Sylvania Electric Products Incorporated	LB2510	When ordering a system, specify: (1) lamp voltage, (2) Type T or H mounting, (3) number of light bars to be used with sequenced flashers, and (4) aiming device.
Hamilton Standard	GS9150	When ordering a system, specify: (1) lamp voltage, (2) Type T or H mounting, (3) number of light bars to be used with sequenced flashers, and (4) aiming device.
Hughey & Phillips	Model AL 35	When ordering a system, specify: (1) lamp voltage, (2) Type T or H mounting, (3) number of light bars to be used with sequenced flashers, and (4) aiming device.
Airport Lighting & Navigational Aids	MALB	When ordering a system, specify: (1) lamp voltage, (2) Type T or H mounting, (3) number of light bars to be used with sequenced flashers, and (4) aiming device.

L-849 - Condenser Discharge Type
Fashing Light

MANUFACTURER	TYPE	APPROVED CATALOG NUMBERS REELS	REMARKS
Hughey & Phillips	III or IV Master Unit	FL34A	120 volt or 240 volt input. Aiming device on unit timer includ- ed.
Hughey & Phillips	III or IV Slave Unit	FL34B	120 volt or 240 volt input. Aiming device on unit.
Hughey & Phillips	Adapter	AU5584	2.8 amperes to 6.6 amperes 120 volt output.
Sylvania Electric Products, Inc.	III or IV Master Unit	CD2503M	120 volt or 240 volt input. Aim- ing device on each system. Timer included.
Sylvania Electric Products, Inc.	III or IV Slave Unit	CD25035S	120 volt or 240 volt input.

L-850 - Light Assembly, Airport Runway Centerline and Touchdown Zone

MANUFACTURER	APPROVED CATALOG NUMBERS			
	TYPE I		TYPE II	
	STYLE A	STYLE B	STYLE A	STYLE B
Structural Electric Products Corp.		19275		19275-5
Structural Electric Products Corp.		19080		19080-5

L-851 - Visual Approach Slope Indicator

MANUFACTURER	TYPE	CATALOG NO.	REMARKS
SEPCO Division Connecticut Intl. Corp.	Lamp Housing for SAVASI	19750	Tilt switch included.
SEPCO Division Connecticut Intl. Corp.	Adapter Unit for SAVASI	19800	Input 240 volts.
SEPCO Division Connecticut Intl. Corp.	Leveling device for SAVASI	C19719	One per installation.
Sylvania	VASI Lamp Housing	VG151C	Lamps, lenses, and mounting accessories included. Constant current input. No tilt switch
Sylvania	VASI Lamp Housing	VG151D	Lamps, lenses, and mounting accessories included. Constant voltage input. No tilt switch.
Sylvania	VASI Lamp Housing	VG151DC	Lamp, lenses, and mounting accesso- ries included. Constant voltage input from adapter unit. Tilt switch included.
Sylvania	Adapter Unit	VGT240F	For use with VG151D 240 volt input.
Sylvania	Adapter Unit	VGT240G	For use with VG151D 240 volt input.

L-851 - Visual Approach Slope Indicator
(continued)

MANUFACTURER	TYPE	CATALOG NUMBER	REMARKS
Sylvania	Leveling Device	VGE260	Calibration device & storage case furnished with leveling device.
Multi Electric	VASI lamp housing	5556	Lamp, lenses & mounting accessories included. Constant current input
Multi Electric	Leveling Device	5559	Calibration device & storage case furnished with leveling device.
Hughey & Phillips	VASI lamp housing	VA37A	Lamp, lenses, and mounting accessories included. Constant voltage from adapter unit (AU6062). Tilt switch included.
Hughey & Phillips	VASI lamp housing	VA37B	Lamp, lenses, and mounting accessories included. Constant voltage from adapter unit (AU6062). Tilt switch and lamp failure by-pass included.
Multi Electric	Adapter Unit	5562-4	

L-851 - Visual Approach Slope Indicator
(continued)

MANUFACTURER	TYPE	CATALOG NUMBER	REMARKS
Hughey & Phillips	VASI lamp housing	VA37D	Lamp, lenses, and mounting accessories included. Constant voltage input from adapter unit (AU6062). No tilt switch.
Hughey & Phillips	VASI lamp housing	VA37E	Lamp, lenses, and mounting accessories included. Constant voltage input from adapter unit (AU6062). Lamp failure by-pass included. No tilt switch.
Hughey & Phillips	VASI lamp housing	VA37F	Lamp, lenses, and mounting accessories included. Constant current input. No tilt switch.
Hughey & Phillips	VASI lamp housing	VA37C	Lamp, lenses, and mounting accessories included. Constant current input. Tilt switch included.
Hughey & Phillips	Adapter Unit	AU6062	For operation of two or four VASI lamp housings. Include photocontrols.
Hughey & Phillips	Leveling Device	AU5921	Calibration device and storage case furnished with leveling device.

L-851 - Visual Approach Slope Indicator
(continued)

MANUFACTURER	TYPE	CATALOG NO.	REMARKS
Hughey & Phillips	SAVASI lamp housing	SA36B	Lamp, lens, and mounting accessories included. Constant voltage for use with AU5979 adapter unit. Tilt switch included.
Hughey & Phillips	SAVASI lamp housing	SA36A	Lamp, lens, and mounting accessories included for use with series constant current transformer. Tilt switch included.
Hughey & Phillips	Adapter unit	AU5979	For operation of two SAVASI lamp housings. Includes photocontrols.
Hughey & Phillips	Leveling device	AU6061	Calibration device (AU6119) and storage case furnished with leveling device.
Hughey & Phillips	Transformer shorting device	AU6060	Required with SAVASI. Installed in series circuit.

L-852 - Light Assembly, Airport Taxiway Centerline

MANUFACTURER	APPROVED CATALOG NUMBERS					
	<u>(45W) Narrow Beam L-852N</u>					
	<u>Unidirectional</u>			<u>Bidirectional</u>		
	Type I	Type II	Type III	Type I	Type II	Type III
SEPCO Division Connecticut International	19508	19507	19516	19506	19505	19515
<u>(65W) Wide Beam L-852W</u>						
SEPCO Division Connecticut International	19512	19511	19514	19510	19509	19511

L-853 - Runway and Taxiway Reflective Markers

MANUFACTURER		TYPE	CATALOG NUMBER
Amerace - ESNA		I	88AC
Amerace - ESNA		II	88ERC
Amerace - ESNA		III	88AG
Amerace - ESNA		IV	88EYC
Amerace - ESNA		V	88AR
Amerace - ESNA		VI	88BG
Ray-O-Lite		I	RX111-4
Ray-O-Lite		II	RX112
Ray-O-Lite		III	RX111-7
Ray-O-Lite		IV	RX113
Ray-O-Lite		V	RX111-6
Ray-O-Lite		VI	RX110-7
MANUFACTURER	STYLE	CLASS	CATALOG NUMBER
See Safe	A	II	AP-100
See Safe	B	II	AP-300
See Safe	C	II	AP-400
See Safe	D	II	AP-500

L-854 - Radio Controls

MANUFACTURER	APPROVED CATALOG NUMBERS
Control Industries Fran Air Products, Inc.	RC-1T ALC-3

I-855 - Individual Lamp Series-To-Series Type
Insulating Transformer 5000 Volt 6.6 to
6.6 Amperes

MANUFACTURER	APPROVED CATALOG NUMBERS	
	WITHOUT EXTRA CABLE ASSEMBLIES	WITH EXTRA CABLE ASSEMBLIES
The Elastimold Division of ESNA	2065-B1	2065-C1
General Electric	C906G004	

L-857 - Airport Light Bases, Transformer Housings
and Junction Boxes

L-857 - Light Bases & Transformer Housings

<u>MANUFACTURER</u>	<u>TYPE</u>	<u>APPROVED CATALOG NO.</u>	<u>REMARKS</u>
Vega Industries	I	2124	12" Diameter
	I	6324	16" Diameter
	II	1534	10" Diameter
	II	2424	12" Diameter
	II	3524	15" Diameter

Approved base extensions are available for Types I and II bases.
Approved cap rings, bevel spacer rings, and flat spacer rings are
available for Type II bases or Type II base extensions.

L-857 Cover Plates

<u>MANUFACTURER</u>	<u>TYPE</u>	<u>APPROVED CATALOG NO.</u>	<u>REMARKS</u>	
			<u>Diam.</u>	<u>Thickness</u>
Vega Industries	I	1000-B	13 $\frac{1}{2}$ "	3/8"
	I	2005-DD	17-3/8"	1/2"
	II	3000-GG	10"	3/4"
	II	4000-GG	12"	3/4"
	II	5000-F	15"	1-1/4"

L-857 Junction Box

<u>MANUFACTURER</u>	<u>APPROVED CATALOG NO.</u>	<u>REMARKS</u>
Vega Industries	7500	Extensions available

L-858 - Retroreflective Taxiway Guidance Sign

<u>MANUFACTURER</u>	<u>TYPE</u>	<u>UNITS</u>	<u>CATALOG NUMBERS</u>	<u>REMARKS</u>
Vought Aeronautics	<u>Internally Lighted Standard Temperature</u>			
	I	4	SF4-0300M(xxx)	x will be numbers referring to message
		3	SF3-0300M(xxx)	
		2	SF-20200M(xxx)	
		1	SF-10100M(x)	
	IIA	4	SF-40300I(xxxx)	x will be numbers referring to message
		3	SF-30300I(xxxx)	
		2	SF-30300I(xxx)	
		1	SF-10100I(x)	
	IIIA	4	SF-40300C(xxxx)	x will be numbers referring to message
		3	SF-30300C(xxx)	
		2	SF-20200C(xxx)	
		1	SF-10100C(x)	

L-858 - Retroreflective Taxiway Guidance Sign

<u>MANUFACTURER</u>	<u>TYPE</u>	<u>SIGN WIDTH/FACE</u>	<u>CATALOG NUMBERS</u>	<u>REMARKS</u>
Crouse-Hinds	<u>Externally Lighted - Standard Temperature</u>			
	I	4'/single	TGSR-4RL	
		6'/single	TGSR-6RL	
		4'/double	TGSR-44RL	
		6'/double	TGSR-66RL	
	IIA	4'/single	TGSR-4YL	
		6'/single	TGSR-6YL	
		4'/double	TGSR-44YL	
		6'/double	TGSR-66YL	
	IIIA	4'/single	TGSR-4GL	
		6'/single	TGSR-6GL	
		4'/double	TGSR-44GL	
		6'/double	TGSR-66GL	
	May be used with 120V circuit. For 6.6 amperes series circuit use transformer ML-4944 and power converter ML-4922 -- for 20 ampere series circuit use transformer ML-4945 and power converter ML-4922.			
	<u>Unlighted Signs</u>			
	II	4'/single	TGSR-4Y	
		6'/single	TGSR-6Y	
		4'/double	TGSR-44Y	
		6'/double	TGSR-44Y	
	III	4'/single	TGSR-4G	
		6'/single	TGSR-6G	
		4'/double	TGSR-44G	
		6'/double	TGSR-66G	

CAA-291 - 36-Inch Rotating Beacon

MANUFACTURER	APPROVED CATALOG NUMBERS	REMARKS
Crouse-Hinds Westinghouse Electric	41281C S#1122015	

CAA-446 - 300MM Hazard Beacon (Red)

MANUFACTURER	APPROVED CATALOG NUMBERS	REMARKS
Crouse-Hinds	41257F	
Hughey & Phillips	KG114	
Westinghouse Electric	S#1569320	

MIL-I-7854 - 12-Foot Wind Cone

MANUFACTURER	APPROVED CATALOG NUMBERS				
	PIPE MOUNTING				
	External Lighting	External Lighting Less Cone	Less Lighting Less Cone	Nylon Cone Only	Remarks
Crouse-Hinds Westinghouse Electric	44621	S#1372850	S#1372851		

APPENDIX 1. ADDRESS LIST OF EQUIPMENT MANUFACTURERS (OTHER THAN CABLE)

Airport Lighting Company
2102 West Chestnut Avenue
Santa Ana, California 92702

Airport Lighting & Navigational Aids
Company
201 N. Hamilton Road
Columbus, Ohio 43213

Control Industries
409 Lafayette Avenue
Urbana, Ohio 43078

Crouse-Hinds
Wolf & 7th Street
Syracuse, New York 13201

Elastimold Division of Amerace
ESNA Corporation
Esna Park
Hackettstown, New Jersey 07840

Fran Air Products, Inc.
5 Central Avenue
P.O. Box 478
Pantucket, Rhode Island 02862

Gar-Let Manufacturing Company, Inc.
401 Bridge Street
Old Forge, Pennsylvania 18518

General Electric Company
Lighting Systems Department
Hendersonville, North Carolina 28739

Hamilton Standard, Division of
United Aircraft Corp.
Windsor Locks, Connecticut 06096

Hevi-Duty Electric Company
P.O. Box 268
Goldsboro, North Carolina 27530

Hughey & Phillips, Incorporated
3050 North California Street
Burbank, California 91504

Jackson Products Company
4009 E. Bougainvillea-Industrial
Park
P.O. Box 9275
Tampa, Florida 33604

Joy Manufacturing Company
New Philadelphia Division
Electrical Products Department
P.O. Box 431
New Philadelphia, Ohio 44663

Multitech Control Products
4400 Santa Ana Street
Cudahy, California 90201

Multi Electric Manufacturing, Inc.
4223 - 43 West Lake Street
Chicago, Illinois 60624

Pacific Electriccord Company
747 West Redondo Beach Boulevard
P.O. Box 10
Gardena, California 90247

Plastic Wire and Cable Corporation
Box 486
Jewett City, Connecticut 06351

Standard Signs, Incorporated
3190 East 65th Street
Cleveland, Ohio 44127

SEPCO Division - Connecticut
International Corp.
Windsor Locks, Connecticut 06096

See Safe Systems, Incorporated
16633 Ventura Boulevard
Encino, California 91316

APPENDIX 2. ADDRESS LIST OF CABLE MANUFACTURERS

American Insulated Wire Corporation
Central Avenue and Freeman Street
Pawtucket, Rhode Island 02860

Anaconda Wire and Cable Company
Hastings-on-Hudson, New York 10706

Cerro Wire and Cable Company
5500 Maspeth Avenue
Maspeth, New York 11378

Collyer Insulated Wire Company, Inc.
100 Higginson Avenue
Lincoln, Rhode Island 02865

Cords Limited
Division of Essex Wire Corporation
121 Dodge Avenue
De Kalb, Illinois 60115

Cornish Wire Company, Inc.
Division of General Cable Corporation
101 Water Street
Williamstown, Massachusetts 01267

Crescent Insulated Wire and Cable Co.
A subsidiary of TRW, Inc.
P.O. Box 850
Trenton, New Jersey 08605

General Cable Corporation
206 Indiana Avenue, N.W.
Washington, D.C. 20001

General Electric Company
Wire-Cable Department
1285 Boston Avenue
Bridgeport, Connecticut 06602

Hatfield Wire and Cable Division
201 South Anderson Street
Los Angeles, California 90033

Okonite Company
Wire & Cable Division
Ramsey, New Jersey 07446

Essex International, Inc.
Power Conductor Division
2601 South Adams Street
Marion, Indiana 46952

Phelps Dodge Cable & Wire Company
A Division of Phelps Dodge Copper
Product Corporation
Yonkers, New York 10702

Reynolds Metals Company
Product Design Engineering
Front & Lloyd Streets
Chester, Pennsylvania 19013

Rome Cable
A Division of Cyprus Mines Corp.
Rome, New York 13440

Simplex Wire and Cable Company
79 Sidney Street
Cambridge, Massachusetts 02139

Triangle Conduit and Cable
Company, Incorporated
P.O. Box 711
New Brunswick, New Jersey 08903

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Sylvania Electric Products, Inc.
100 Endicott Street
Denver, Massachusetts 01923

Waldo Electronics Co., Inc.
515 East Main Street
Bound Brook, New Jersey 08805

Universe, Incorporated
103 North Robinson
Bloomington, Illinois 61701

Westinghouse Electric Corpora-
tion
Outdoor Lighting Department
One Decker Square
Bala Cynwyd, Pennsylvania 19024

Vega Industries, Inc.
Empire Fabricating Division
Syracuse, New York 13205

NOTE: All manufacturers must obtain prior qualification approval in accordance with requirements of individual specifications in order to be listed in this advisory circular. Interested manufacturers should contact the Federal Aviation Administration, Airports Service (AS-500), Washington, D.C. 20591

L-816 - Circuit Selector Cabinet Assembly
For 600 Volt Series Circuits

MANUFACTURER	APPROVED CATALOG NUMBERS	
	Type I	Type II
Westinghouse Electric	S#1375514	S#1375515

L-819 - Fixed Focus Bidirectional High Intensity Runway Light

MANUFACTURER	APPROVED CATALOG NUMBERS			
	Clear	Green	Yellow	Remarks
Crouse-Hinds	44607A	44608A	44609A	Specify 12" or 16" Base Plate
General Electric	C958G001	-----	-----	360° White
General Electric	-----	C958G052	-----	180° Green (2)
General Electric	-----	-----	C958G035	180° Yellow
McGraw-Edison	LP1C1	-----	-----	12" Base Plate
McGraw-Edison	LP1C2	-----	-----	16" Base Plate
Multi Electric	1171	-----	-----	12" Base Plate
Multi Electric	-----	1170-11-G	-----	360° Green
Multi Electric	-----	-----	1170-10-A	180° Yellow
Westinghouse Electric	S1568496	S1568498	S1568497	12" Base Plate
Westinghouse Electric	S306P542G01	S306P544G01	S306P543G01	16" Base Plate
Hughey & Phillips	HL32A	HL32B	HL32C	12" Base Plate
Hughey & Phillips	HL32D	HL32E	HL32F	16" Base Plate
Airport Lighting	13	13-G	13-Y	12" Base Plate 16" Base Plate Special Order
Airport Lighting & Navigational Aids	HIL	HILGG	HILYY	12" Base Plate 16" Base Plate Special Order Red & Green Filters Available

L-846 - Electrical Wire for Lighting
Circuits to be Installed in
Airport Pavements

MANUFACTURER	AWG SIZES	APPROVED TRADE NAME
General Cable	14-12-10	General Cable - L-846
Plastic Wire and Cable Corporation	14-12-10	Plastic Wire and Cable - L-846

L-845 - Semiflush Inset Prismatic Airport Light

MANUFACTURER	APPROVED CATALOG NUMBERS	DESCRIPTION
Multi Electric	1100	Unidirectional Fixture With Lamp Base

U.S. DEPARTMENT OF TRANSPORTATION

FEDERAL AVIATION ADMINISTRATION

Washington, D.C. 20591

Official Business

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