

AC 150/5345-1B

**APPROVED
AIRPORT LIGHTING EQUIPMENT**



October 30, 1968

**DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION**

AC NO: AC 150/5345-1B

DATE: 10/30/68



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. There are also lists of equipment required for a specific airport lighting system.
2. **CANCELLATION.** This circular cancels AC 150/5345-1A, Approved Airport Lighting Equipment, dated August 9, 1966.
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 REVISIONS.** 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 GET THIS CIRCULAR.** Obtain additional copies of this circular, AC 150/5345-1B, 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

Initiated by: AS-580

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L-801 - Beacon

MANUFACTURER	APPROVED CATALOG NUMBERS	REMARKS
Crouse-Hinds	44035	Clear-Green

L-802 - Runway and Strip Light

APPROVED CATALOG NUMBERS						
MANUFACTURER	STAKE MOUNTED		BASE MOUNTED		STAKE WITH JUNCTION BOX	
	CLEAR	GREEN	CLEAR	GREEN	CLEAR	GREEN
Crouse-Hinds	47295E	47296E	47299E	47300E	47303E	47304E
General Electric	C948G109A	C948G110A	C948G106A	C948G107A		
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		

L-807 - Eight-Foot Illuminated Wind Cone

APPROVED CATALOG NUMBERS

MANUFACTURER

	OBSTRUCTION LIGHTS AND EXTERNAL LIGHTS	EXTERNAL LIGHTS LESS LIGHTS	OBSTRUCTION LIGHTS ONLY	EXTERNAL LIGHTS ONLY	COMPLETE FOR WIND TEE MOUNTING
Crouse-Hinds	44481	44482	44483	44484	44593
Westinghouse Electric	S#1372750	S#1372753	S#1372752	S#1372751	
Sterner Lighting	WCP-16.0T- C08-3F-IM	WCP-16.0T- C08	WCP-16.0T- C08-IM	WCP-16.0T- C08-3F	

L-808 - Lighted Wind Tee

MANUFACTURER	APPROVED CATALOG NUMBERS	REMARKS
Crouse-Hinds	43339-C	

L-809 - Airport Light Base and Transformer Housing

MANUFACTURER	APPROVED CATALOG NUMBERS	REMARKS
Crouse-Hinds	ML-452	
B. Feneno	BF-1277	
Gar-Let Manufacturing Company, Incorporated	L-809	12-inch diameter base
Southwest Ornamental Iron	SWA-8007	
Westinghouse Electric	S#1566707	
Vega Industries	2120	

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L-810 - Obstruction Light

APPROVED CATALOG NUMBERS

MANUFACTURER	<u>SINGLE UNIT</u>		<u>DOUBLE UNIT</u>	
	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	-----	C948G115	-----	C948G117
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	-----	C948G114	-----	C948G116
Hughey and Phillips	OB21-4 ^(a)	OB20-4 ^(a)	OB24-4 ^(a)	OB22-4 ^(a)
Westinghouse Electric	-----	S#1569336	-----	S#1569338

REMARKS:

(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	C901G100	
Hevi-Duty Electric	D-42989	

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

APPROVED CATALOG NUMBERS

MANUFACTURER

Size I - 4 KW

Size II - 7½ KW

General Electric

C901G101

C901G102

Hevi-Duty Electric

52610

D-52640

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

APPROVED CATALOG NUMBERS

MANUFACTURER

Size I - 4 KW

Size II - 7½ KW

General Electric

C901G103

C901G104

Hevi-Duty Electric

52620

D-52650

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

APPROVED CATALOG NUMBERS

MANUFACTURER

Type I

Type II

Westinghouse Electric

S#1375514

S#1375515

L-819 - Fixed Focus Bidirectional High Intensity Runway Light

APPROVED CATALOG NUMBERS

MANUFACTURER	APPROVED CATALOG NUMBERS			Remarks
	Clear	Green	Yellow	
Crouse-Hinds	44607A	44608A	44609A	Specify 12" or 16" Base Plate
General Electric	C948G100A	-----	-----	360° White
General Electric	-----	C948G102A	-----	180° Green (2)
General Electric	-----	-----	C948G101A	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

L-821 - Airport Lighting Panel For Remote
Control of Airport Lighting

APPROVED CATALOG NUMBERS

MANUFACTURER	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
Federated Engineering Development Corp.	201-821S	202-821S	201-821F	202-821F	203-821F
Somer and Associates	L-821-1S	L-821-2S	L-821-1F	L-821-2F	L-821-3F
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

APPROVED CATALOG NUMBERS

MANUFACTURER	STAKE MOUNTED (BLUE)	BASE MOUNTED (BLUE)	STAKE WITH JUNCTION BOX (BLUE)
Crouse-Hinds	47298E	47302E	47306E
General Electric	C948G113A	C948G112A	
McGraw-Edison	LP2E1	LP2E2	
Multi Electric	1094	1084	
Westinghouse Electric	810C751G06	810C751G07	
Hughey and Phillips	ML31E	ML31F	

NOTE: See Page 5 for L-809 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 Electriccord	823-1a
	Westinghouse Electric	S#1567650
	Waldo Electronics Co.	823-1a
Fig. 1b	The Elastimold Division of ESNA	Cf
	Joy Manufacturing	X8405F
	Pacific Electriccord	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
Fig. 6a	Pacific Electriccord	823-1c
	Cords Limited	C14314
	The Elastimold Division of ESNA	Em
	Hatfield Wire & Cable	MC-26
	Joy Manufacturing	X8077M
	Pacific Electriccord	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	Ef
	Hatfield Wire & Cable	FC-19
	Joy Manufacturing	X8077F
	Pacific Electriccord	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

L-824 - Underground Electrical Cables
For Airport Lighting Circuits

TYPE "A" - PERFORMANCE INSULATION (NON-SHIELDED)

MANUFACTURER	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 Company	12-10-8-6-4	12-10-8-6-4	Cornish Wire Company
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
Paranite Wire & Cable	12-10-8-6-4	12-10-8-6-4	Parause
Phelps Dodge Copper Products	12-10-8-6-4	12-10-8-6-4	Habirduct- 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)

TYPE "A" - PERFORMANCE INSULATION (NON-SHIELDED)

MANUFACTURER	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
Walker Brothers	12-10-8-6-4	-----	USE
Western Insulated Wire	12-10-8-6-4	-----	Bronco - 60
Whitney Blake	12-10-8-6-4	12-10-8-6-4	Whitney Blake

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

TYPE "B" - OZONE RESISTANT INSULATION (NON-SHIELDED)

MANUFACTURER	3000 VOLTS		APPROVED TRADE NAME
	SINGLE CONDUCTOR	MULTIPLE CONDUCTOR	
	AWG Sizes	AWG Sizes	
American Insulated Wire	8-6-4	-----	A.I.W. Corp.
Anaconda Wire & Cable	8-6-4	8-6-4	Durasheath Airport
Collyer Insulated Wire	8-6-4	8-6-4	Suprene RR
Cornish Wire Company	8-6-4	8-6-4	Cornish Wire Company
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	-----	Permaprene
Paranite Wire & Cable	8-6-4	-----	Paranite Paraprene
Phelps Dodge Copper Products	8-6-4	8-6-4	Habirite- Habirprene

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

TYPE "B" - OZONE RESISTANT INSULATION (NON-SHIELDED)			
MANUFACTURER	3000 VOLTS		APPROVED TRADE NAME
	<u>SINGLE CONDUCTOR</u>	<u>MULTIPLE CONDUCTOR</u>	
	AWG Sizes	AWG Sizes	
Reynolds Metals Co.	8-6-4	8-6-4	Reynolds
Rome Cable, Division of Cyprus Mines Corp.	8-6-4	8-6-4	RoZone A- RoPrene-RBR
Simplex Wire & Cable	8-6-4	-----	Anhydrex Neoprene
Triangle Conduit & Cable	8-6-4	8-6-4	Trizone Trioprene
Walker Brothers	8-6-4	-----	USE
Whitney Blake	8-6-4	8-6-4	Whitney Blake

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 AWG Sizes	MULTIPLE CONDUCTOR 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	USE - RR -
Collyer Insulated Wire	8-6-4	8-6-4	Suprene RR
Cornish Wire Company	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
Paranite Wire & Cable	8-6-4	-----	Paranite Paraprene
Phelps Dodge Copper Products	8-6-4	-----	Habirite- Habirprene

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

TYPE "B" - OZONE RESISTANT INSULATION (NON-SHIELDED)			
MANUFACTURER	5000 VOLTS		APPROVED TRADE NAME
	SINGLE CONDUCTOR	MULTIPLE CONDUCTOR	
	AWG Sizes	AWG Sizes	
Reynolds Metals Co.	8-6-4	8-6-4	Reynolds
Rome Cable, Division of Cyprus Mines Corp.	8-6-4	8-6-4	RoZone A-RoPrene- RBR
Simplex Wire & Cable	8-6-4	-----	Anhydrex Neoprene
Triangle Conduit & Cable	8-6-4	8-6-4	Trizone Trioprene
Walker Brothers	8-6-4	-----	USE
Whitney Blake	8-6-4	8-6-4	Whitney Blake

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

MANUFACTURER	TYPE "B" - OZONE RESISTANT INSULATION (SHIELDED)		
	3000 VOLTS		APPROVED TRADE NAME
	<u>SINGLE CONDUCTOR</u> AWG Sizes	<u>MULTIPLE CONDUCTOR</u> AWG Sizes	
Collyer Insulated Wire	8-6-4	-----	Suprene RR
Cornish Wire Company	8-6-4	-----	Cornish Wire Co.
General Cable	8-6-4	-----	General Cable
General Electric	8-6-4	8-6-4	GE Super Coronol- Geoprene
Hatfield Wire & Cable	8-6-4	-----	Permaprene
Reynolds Metals Company	8-6-4	8-6-4	Reynolds
Triangle Conduit & Cable	8-6-4	-----	Trizone Trioprene
Walker Brothers	8-6-4	-----	USE

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

TYPE "B" - OZONE RESISTANT INSULATION (SHIELED)

MANUFACTURER	5000 VOLTS		APPROVED TRADE NAME
	SINGLE CONDUCTOR	MULTIPLE CONDUCTOR	
	AWG Sizes	AWG Sizes	
Collyer Insulated Wire	8-6-4	-----	Suprene RR
Cornish Wire Company	8-6-4	-----	Cornish Wire Company
General Cable	8-6-4	-----	General Cable
General Electric	8-6-4	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 Company	8-6-4	8-6-4	Reynolds
Simplex Wire & Cable	8-6-4	-----	Anhydrex XX
Triangle Conduit & Cable	8-6-4	-----	Trizone Trioprene
Walker Brothers	8-6-4	-----	USE

L-827 - "A" Frame Hinged Support for 12-Foot Wind Cone

MANUFACTURER	APPROVED CATALOG NUMBERS	REMARKS
Crouse-Hinds	FL-624	

L-828 - Constant Current Regulator With
Stepless Brightness Control

MANUFACTURER	APPROVED CATALOG NUMBERS 6.6 Amperes		
	10KW	20KW	30KW
Hevi-Duty Electric	54800P	52980P	54780P
General Electric	C901G400C	C901G420C	C901G440C

MANUFACTURER	APPROVED CATALOG NUMBERS 6.6 Amperes with Internal Control Power and Primary Switch		
	10KW	20KW	30KW
Hevi-Duty Electric	57160	57080	57020
General Electric	C901G401C	C901G424C	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	57170	57180	56900
General Electric			C901G443C

MANUFACTURER	APPROVED CATALOG NUMBERS 20 Amperes	
	50KW	70KW
Hevi-Duty Electric	54580P	56740P
General Electric	C901G460C	

MANUFACTURER	APPROVED CATALOG NUMBERS 20 Amperes with Internal Control Power and Primary Switch	
	50KW	70KW
Hevi-Duty Electric	56890	57230
General Electric	C901G461C	

L-829 - Internally Lighted Airport Taxi Guidance Sign

TYPE I - SERIES (SIGN ONLY) - 6.6 AMPERES

MANUFACTURER	APPROVED CATALOG NUMBERS	NUMBER OF SECTIONS
Crouse-Hinds	44767A	1
	44768A	2
	44769A	3
	44770A	4
	44771A	5
	44772A	6
	44863A	7
	44377A	8
Standard Signs	1901	1
	1902	2
	1903	3
	1904	4
	1905	5
	1906	6
	1907	7
	1908	8

TYPE II - MULTIPLE (SIGN ONLY) - 120 VOLTS

Crouse-Hinds	44767AM	1
	44768AM	2
	44769AM	3
	44770AM	4
	44771AM	5
	44772AM	6
	44863AM	7
	44377AM	8
Standard Signs	1901M	1
	1902M	2
	1903M	3
	1904M	4
	1905M	5
	1906M	6
	1907M	7
	1908M	8

NOTE: Manufacturer's catalog number listings for above signs show the various mounting assemblies. See Page 28 for L-833 Transformer Suppliers. See Page 29 for L-834 Transformer Suppliers.

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

APPROVED CATALOG NUMBERS

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

L-837 - Large-Size Light Base and Transformer Housing

MANUFACTURER	APPROVED CATALOG NUMBERS	REMARKS
B. Feneno	BF-1677	
Crouse-Hinds	ML-451	
Engineering & Manufacturing	C-5228	
Vega Industries	6320	

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

APPROVED CATALOG NUMBERS

MANUFACTURER

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	

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 Corporation	18495		18240	
Sylvania Electric Products Incorporated	PG3001		PG3002	

L-843 - Airport In-Runway Touchdown
Zone Light

APPROVED CATALOG NUMBERS

MANUFACTURER

TYPE A

TYPE B

Westinghouse Electric

(W) S#890D349G03

(W) S#890D350G02

Crouse-Hinds Company

F1U47983

10/30/68

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

APPROVED CATALOG NUMBERS

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

L-845 - Semiflush Inset Prismatic Airport Light

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

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	AIW Corporation - L-846
Crescent Insulated Wire and Cable	14-12-10	Crescent - L-846

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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.

L-849 - Condenser Discharge Type
Flashing Light

MANUFACTURER	TYPE	APPROVED CATALOG NUMBERS REILS	REMARKS
Sylvania Electric Products, Inc.	I	CD2501	Input current - 2.8-6.6 amperes. An aiming device and master timer are furnished with each system.
Sylvania Electric Products, Inc.	II	CD2501	Input current - 4.8-6.6 amperes. An aiming device and master timer are furnished with each system.
Sylvania Electric Products, Inc.	III	CD2502	Input voltage - 120 volts. An aiming device and master timer are furnished each system.
Hamilton Standard	III	GS9078	Input voltage - 120 volts. An aiming device and master timer are furnished with each system.
Sylvania Electric Products, Inc.	IV	CD2502	Input voltage - 240 volts. An aiming device and master timer are furnished with each system.

L-849 - Condenser Discharge Type
Flashing Light
(continued)

MANUFACTURER	TYPE	APPROVED CATALOG NUMBERS REILS	REMARKS
Hamilton Standard	IV	GS9078	Input voltage - 240 volts. An aiming device and master timer are furnished with each system.
MANUFACTURER	TYPE	APPROVED CATALOG NUMBERS SF	REMARKS
Sylvania Electric Products, Inc.	III	CD2502	Input voltage - 120 volts. An aiming device and master timer are furnished with each system.
Hamilton Standard	III	GS9078	Input voltage - 120 volts. An aiming device and master timer are furnished with each system.
Sylvania Electric Products, Inc.	IV	GD2502	Input voltage - 240 volts. An aiming device and master timer are furnished with each system.
Hamilton Standard	IV	GS9078	Input voltage - 240 volts. An aiming device and master timer are furnished with each system.

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.		18703		18703-5
Structural Electric Products Corp.		19080-1		19080-5

L-851 - Abbreviated Visual Approach Slope Indicator

MANUFACTURER	APPROVED CATALOG NUMBERS		
	LAMP HOUSING	ADAPTER UNIT	LEVELING DEVICE
Sylvania Electric Products, Inc.	VG151B	VGT240B	VGE250

L-852 - Light Assembly, Airport Taxiway Centerline

MANUFACTURER	APPROVED CATALOG NUMBERS	
	TYPE I	TYPE II
Structural Electric Products Corp.	19021-1	19001-1

CAA-291 - 36-Inch Rotating Beacon

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

APPROVED CATALOG NUMBERS

MANUFACTURER

PIPE MOUNTING

External Lighting	External Lighting Less Cone	Less Lighting Less Cone	Nylon Cone Only	Remarks
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Crouse-Hinds

44621

Westinghouse
Electric

S#1372850

S#1372851

APPENDIX 1. MAJOR EQUIPMENT ASSOCIATED WITH LIGHTING SYSTEMS

MEDIUM INTENSITY LIGHTING SYSTEM

DESIGNATION OF EQUIPMENT	PAGE
L-801 -----	1
L-802 -----	2
L-807 -----	3
L-808 -----	4
L-809 -----	5
L-810 -----	6
L-811 -----	7
L-812 -----	8
L-816 -----	10
L-821 -----	12
L-823 -----	14
L-824 -----	16
L-827 -----	24
L-833 -----	28
L-837 -----	30
L-841 -----	33
CAA-291 -----	46
CAA-446 -----	47
MIL-I-7854 -----	48

HIGH INTENSITY LIGHTING SYSTEM
(continued)

DESIGNATION OF EQUIPMENT	PAGE
L-808 -----	4
L-809 -----	5
L-810 -----	6
L-819 -----	11
L-821 -----	12
L-823 -----	14
L-824 -----	16
L-827 -----	24
L-828 -----	25
L-834 -----	29
L-837 -----	30
L-838 -----	31
L-839 -----	32
L-841 -----	33
L-844 -----	36
CAA-291 -----	46
CAA-446 -----	47
MIL-I-7854 -----	48

TAXIWAY LIGHTING SYSTEM
(continued)

DESIGNATION OF EQUIPMENT	PAGE
L-809 -----	5
L-812 -----	8
L-813 -----	9
L-816 -----	10
L-821 -----	12
L-822 -----	13
L-823 -----	14
L-824 -----	16
L-829 -----	27
L-833 -----	28
L-834 -----	29
L-841 -----	33
L-846 -----	38
L-852 -----	45

TOUCHDOWN ZONE LIGHTING SYSTEM

L-821 -----	12
L-823 -----	14
L-824 -----	16

TOUCHDOWN ZONE LIGHTING SYSTEM
(continued)

DESIGNATION OF EQUIPMENT	PAGE
L-828 -----	25
L-834 -----	29
L-837 -----	30
L-841 -----	33
L-843 -----	35
L-844 -----	36
L-846 -----	38
L-850 -----	43

CENTERLINE LIGHTING SYSTEM

L-812 -----	8
L-821 -----	12
L-823 -----	14
L-824 -----	16
L-828 -----	25
L-834 -----	29
L-837 -----	30
L-841 -----	33
L-844 -----	36
L-846 -----	38
L-850 -----	43

MEDIUM INTENSITY APPROACH LIGHT SYSTEM
WITH SEQUENCED FLASHING LIGHTS
(continued)

DESIGNATION OF EQUIPMENT	PAGE
L-821 -----	12
L-824 -----	16
L-848 -----	40
L-849 -----	41

RUNWAY END IDENTIFIER LIGHT SYSTEM

L-821 -----	12
L-824 -----	16
L-849 -----	41

ABBREVIATED VISUAL APPROACH
SLOPE INDICATOR

L-824 -----	16
L-851 -----	44

APPENDIX 2. L-800 SERIES OBSOLESCEENT EQUIPMENT

EQUIPMENT	TITLE	PREVIOUS SUPPLIER
L-815	Indoor Type Transformer Assembly; 1½, 3, 5, 7½, and 10KVA; With Brightness Control for Remote Operation	Hevi-Duty Electric
L-817	Circuit Selector Cabinet Assembly for 600 Volt Multiple Circuits	Westinghouse Electric
L-818	500 Watt High Intensity Runway Light with Automatic Beam Control	Crouse-Hinds McGraw-Edison
L-820	Fixed Focus Unidirectional High Intensity Runway Light	Crouse-Hinds Revere Electric Westinghouse Electric
L-836	Induction Voltage Regulator Assembly with Brightness Control 50KVA Load	General Electric
L-840	Low Intensity Runway, Landing Strip and Taxiway Light	McGraw-Edison Crouse-Hinds Standard Signs, Inc. Mansfield Aircraft
L-847	Circuit Selector Switch, 5000 Volt 20 Ampere	General Electric

NOTE: In regard to the availability of the above equipment, contact previous suppliers or Airports Service Regional and/or Area Offices.

APPENDIX 3. ADDRESS LIST OF EQUIPMENT MANUFACTURERS (OTHER THAN CABLE)

B. Feneno Company, Inc. 1188 Dorchester Avenue Boston, Massachusetts 02125	Joy Manufacturing Company General Products Group Electrical Products Department 338 South Broadway New Philadelphia, Ohio 44663
Crouse-Hinds P. O. Drawer 131 Syracuse, New York 13201	McGraw-Edison Power Systems Division P. O. Box 4007 Falls Church, Virginia 22044
Elastimold Division of Elastic Stop Nut Corporation of America Esna Park Hackettstown, New Jersey 07840	McGraw-Edison Power Systems Division P. O. Box 2077 South Milwaukee, Wisconsin 53172
Engineering and Manufacturing Company 611 - 27 North Fortieth Street Philadelphia, Pennsylvania 19104	Multi Electric Manufacturing, Inc. 4223 - 43 West Lake Street Chicago, Illinois 60624
Federated Engineering Development Corporation 4630 East Floral Drive Los Angeles, California 90022	Pacific Electriccord Company 747 West Redondo Beach Boulevard P. O. Box 10 Gardena, California 90247
Gar-Let Manufacturing Company, Inc. 401 Bridge Street Old Forge, Pennsylvania 18518	Plastic Wire and Cable Corporation Box 486 Jewett City, Connecticut 06351
General Electric Company Outdoor Lighting Department Hendersonville, North Carolina 28739	Somer and Associates 24365 Rosemead Southern Elmonte, California 91733
Hamilton Standard, Division of United Aircraft Aerospace Services Department Windsor Locks, Connecticut 06096	Southwest Ornamental Iron Company 1722 - 1730 Tracy Avenue Kansas City, Missouri 64108
Hevi-Duty Electric Company 511 James Street Goldsboro, North Carolina 27530	Standard Signs, Incorporated 3190 East Sixty-Fifth Street Cleveland, Ohio 44127
Hughey & Phillips, Incorporated 3200 North San Fernando Boulevard Burbank, California 91504	Structural Electric Products Corp. Windsor Locks, Connecticut 06096
Jackson Products Company 4009 E. Bougainvillea-Industrial Park P.O. Box 9275 Tampa, Florida 33604	Sylvania Electric Products, Inc. 100 Endicott Street Danvers, Massachusetts 01923

Universe, Incorporated
103 North Robinson
Bloomington, Illinois 61701

Westinghouse Electric Corporation
Lighting Division Headquarters
1216 West 58th Street
Cleveland, Ohio 44101

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

Westinghouse Electric Corporation
Lighting Sales Department
One Decker Square
Bala Cynwyd, Pennsylvania 19002

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

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. 20590.

APPENDIX 4. 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.
Pawtucket, Rhode Island 02860

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.
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

Paranite Wire and Cable Division
Essex Wire Corporation
2601 South Adams Street
Marion, Indiana 46952

Phelps Dodge Copper Product Corp.
300 Park Avenue
New York, New York 10022

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

Rome Cable
Division of Cyprus Mines Corporation
Rome, New York 13440

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

Triangle Conduit and Cable
Company, Incorporated
Triangle and Jersey Avenues
New Brunswick, New Jersey 08902

Walker Brothers
Conshohocken, Pennsylvania 19428

Western Insulated Wire Company
2425 East Thirtieth Street
Los Angeles, California 90058

Whitney Blake Company
Box K
New Haven, Connecticut 06514

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