

Federal Aviation Agency



CHANGE

7100
AC NO: 150/5345-1 CH 4

AIRPORTS

EFFECTIVE :

9/1/64

SUBJECT : CH 4 TO ADVISORY CIRCULAR NO. 150/5345-1,
SUBJ: APPROVED AIRPORT LIGHTING EQUIPMENT

1. PURPOSE. This advisory circular change transmits page changes to the subject advisory circular to provide an up-to-date list of approved equipment.
2. EXPLANATION OF CHANGES.
 - a. Pages 1 & 11. To include current advisory circular numbers and add Specification L-846 to Table of Contents.
 - b. Page 16. To add American Insulated Wire Corporation as an approved manufacturer.
 - c. Page 29. To reapprove the Elastimold Division of ESNA with redesigned equipment under new catalog numbers.
 - d. Page 36. Structural Electric Products Corporation removed as an approved manufacturer pending reapproval consideration. Add Westinghouse Electric Corporation as an approved manufacturer.
 - e. Page 38. To add General Electric Company as an approved manufacturer, and to reapprove the Elastimold Division of ESNA with redesigned equipment under new catalog number.
 - f. Pages 38-2 & 38-3. Rearrangement of pages to insert new approval for General Cable Corporation. Previous page 38-2 becomes page 38-3 (and 38-4).
 - g. Appendix 1, Page 4. To add new designation of equipment under the Narrow Gauge Lighting System and Centerline Lighting System, with up-to-date page references.
 - h. Appendix 3, Page 1. To delete Structural Electric Products Corporation address.

- i. Appendix 4, Page 1. To include changes in addresses of manufacturers.
- j. Appendix 5, Pages 1-6. To include changes in addresses of Regional and District Offices.

PAGE CONTROL CHART

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 Cole Morrow, Director
 Airports Service

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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 Electricord	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
	<u>SINGLE CONDUCTOR</u>	<u>MULTIPLE CONDUCTOR</u>	
	<u>AWG Sizes</u>	<u>AWG Sizes</u>	
* American Insulated Wire	12-10-8-6-4	12-10-8-6-4	A. I. W. Corp.*
American Steel & Wire	12-10-8-6-4	12-10-8-6-4	Amerprene - "A"
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
Kaiser Aluminum & Chemical Sales	12-10-8-6-4	12-10-8-6-4	Kaiser Airport Cable
Narragansett Wire	12-10-8-6-4	12-10-8-6-4	Naradirect
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
H. K. Porter	12-10-8-6-4	12-10-8-6-4	Flexlay - RR -

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
Jefferson Electric	345-101	345-101-001

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

APPROVED CATALOG NUMBERS

MANUFACTURER	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-A1	2034-B3	2043-C1	2034-C3
General Electric		3303782AB		3303782
Jefferson Electric	345-102	345-103	345-102-001	345-103-001

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

MANUFACTURER	APPROVED CATALOG NUMBER	REMARKS
Crouse-Hinds	51503	

L-842 - Airport Centerline Light

APPROVED CATALOG NUMBERS

MANUFACTURER

TYPE I		TYPE II	
STYLE A	STYLE B	STYLE A	STYLE B

*Structural Electric
Products Corp.

18495A

18240A*

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

MANUFACTURER	APPROVED CATALOG NUMBER	REMARKS
Crouse-Hinds	51503	

L-842 - Airport Centerline Light

APPROVED CATALOG NUMBERS

MANUFACTURER

TYPE I		TYPE II	
STYLE A	STYLE B	STYLE A	STYLE B

*Westinghouse Electric
Corporation

S#890DS47G05

S#890DS47G04*

L-843 - Airport In-Runway Touchdown
Zone Light

APPROVED CATALOG NUMBERS

MANUFACTURER

TYPE A

TYPE B

Westinghouse
Electric

(W) S#890D349G03

(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	
Jefferson Electric Co.	345-108	345-108-001
General Electric Co.	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

L-847 - Circuit Selector Switch,
5000 Volt 20 Ampere

MANUFACTURER	APPROVED CATALOG NUMBER	DESCRIPTION
General Electric	C942G027	Circuit Selector Switch, Two-Circuit, 5000 Volt 20 Ampere Capacity, 120 Volt 60 Cycle Control

APPENDIX 3

ADDRESS LIST

EQUIPMENT MANUFACTURERS (OTHER THAN CABLE)

Elastimold Division of Elastic Stop Nut Corporation of America Esna Park Hackettstown, New Jersey	Joy Manufacturing Company Electrical Products Division 338 South Broadway New Philadelphia, Ohio
B. Feneno Company 213 Camden Street Roxbury 18, Massachusetts	Line Material Industries P. O. Box 6068 Arlington, Virginia
Crouse-Hinds Company P. O. Drawer 131 Syracuse 1, New York	Line Material Industries Lighting Marketing Department P. O. Box 116 South Milwaukee, Wisconsin
Engineering and Manufacturing Company 611-27 North Fortieth Street Philadelphia 4, Pennsylvania	Multi Electric Manufacturing, Inc. 4223-43 West Lake Street Chicago 24, Illinois
Federated Engineering Development Corporation 4630 East Floral Drive Los Angeles 22, California	Pacific Electriccord Company P. O. Box 10, Gardena Los Angeles County, California
Gar-Let Manufacturing Company, Inc. 401 Bridge Street Old Forge, Pennsylvania	Revere Electric Manufacturing Co. 7420 Lehigh Avenue Chicago 48, Illinois
General Electric Company Outdoor Lighting Department Hendersonville, North Carolina	Southwest Ornamental Iron Company 1722-1730 Tracy Avenue Kansas City 8, Missouri
Hevi-Duty Electric Company 304 Hart Street Watertown, Wisconsin	Standard Signs, Incorporated 3190 East Sixty-Fifth Street Cleveland 27, Ohio
Hughey and Phillips, Incorporated 3200 North San Fernando Boulevard Burbank, California	U. S. Controls, Incorporated 410 Fourth Avenue Brooklyn 15, New York
Jefferson Electric Company Bellwood, Illinois	

APPENDIX 3 - (continued)

Vega Industries
Special Products Division
Syracuse 5, New York

Westinghouse Electric Corporation
1000 Connecticut Avenue, N. W.
Washington 36, D. C.

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 Federal Aviation Agency, Airports Service (AS-50), Washington, D. C. 20553

HIGH INTENSITY LIGHTING SYSTEM

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APPENDIX 4

ADDRESS LIST - CABLE MANUFACTURERS

American Insulated Wire Corporation Central Avenue and Freeman Street Pawtucket, Rhode Island	Narragansett Wire Company 541 Pawtucket Avenue Pawtucket, Rhode Island
American Steel and Wire Division U. S. Steel Corporation Commonwealth Building Washington 6, D. C.	The Okonite Company Passaic, New Jersey
Anaconda Wire and Cable Company Hastings-on-Hudson 6, New York	Paranite Wire and Cable Division Essex Wire Corporation 2601 South Adams Street Marion, Indiana
Circle Wire and Cable Corporation 5500 Maspeth Avenue Maspeth, New York	Phelps Dodge Copper Product Corp. 300 Park Avenue New York 22, New York
Collyer Insulated Wire Company, Inc. Pawtucket, Rhode Island	H. K. Porter Company, Inc. National Electric Division 338 14th Street Ambridge, Pennsylvania
Cords Limited Division of Essex Wire Corporation 121 Dodge Avenue De Kalb, Illinois	Reynolds Metals Company Product Design Engineering Front & Lloyd Streets Chester, Pennsylvania
Cornish Wire Company, Inc. Division of General Cable Corporation 101 Water Street Williamstown, Massachusetts	Rome Cable Corporation Rome, New York
Crescent Insulated Wire and Cable Co., Trenton 5, New Jersey	Simplex Wire and Cable Company 79 Sidney Street Cambridge 39, Massachusetts
General Cable Corporation 206 Indiana Avenue, N. W. Washington, D. C. 20001	Triangle Conduit and Cable Company, Incorporated Triangle and Jersey Avenues New Brunswick, New Jersey
General Electric Company Wire-Cable Department 1285 Boston Avenue Bridgeport 2, Connecticut	Walker Brothers Conshohocken, Pennsylvania
Hatfield Wire and Cable Division Hillside, New Jersey	
Kaiser Aluminum & Chemical Sales, Inc. 900 17th Street, N. W. Washington 6, D. C.	

APPENDIX 4 - (continued)

Western Insulated Wire Company
2425 East Thirtieth Street
Los Angeles 58, California

Whitney Blake Company
Box K
New Haven 14, Connecticut

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 Federal Aviation Agency, Airports Service (AS-50), Washington, D. C. 20553

APPENDIX 5

AIRPORTS SERVICE REGIONAL AND DISTRICT OFFICE ADDRESSES

Eastern Region

*Chief, Airports Division
Federal Aviation Agency
Building 178, Lobby Floor
Seaboard World Airlines Building
Jamaica, New York 11430

Mail - Federal Building
John F. Kennedy International Airport
Jamaica, New York 11430 *

* MASS., CONN., RHODE ISLAND,
MAINE, NEW HAMPSHIRE, VERMONT

District Airport Engineer
Federal Aviation Agency
General Aviation Administration Building
Logan International Airport
East Boston, Massachusetts 02128 *

NEW YORK, NEW JERSEY

District Airport Engineer
Federal Aviation Agency
Hangar 17, Room 207
John F. Kennedy International Airport
Jamaica, Long Island, New York 11430

* DELAWARE, MARYLAND, VIRGINIA
WEST VIRGINIA

District Airport Engineer
Federal Aviation Agency
Room 437-C
800 Independence Avenue, S. W.
Washington, D. C. 20553 *

PENNSYLVANIA

District Airport Engineer
Federal Aviation Agency
Room 204, Terminal Building
Harrisburg-York State Airport
New Cumberland, Pennsylvania 17070

* OHIO, KENTUCKY

District Airport Engineer
Federal Aviation Agency
Room 215, New Terminal Building
4600 East 17th Avenue
Columbus Municipal Airport
Columbus, Ohio 43219 *

APPENDIX 5 - (Continued)

Southwest Region

Chief, Airports Division
Federal Aviation Agency
P. O. Box 1689
Fort Worth, Texas 76101

* TEXAS

District Airport Engineer
Federal Aviation Agency
University Plaza Building, Room 214
100 North University Drive
Fort Worth, Texas 76107

Mail - P. O. Box 9540 *

* LOUISIANA, ARKANSAS

District Airport Engineer
Federal Aviation Agency
Room 221, Administration Building
Greater Shreveport Municipal Airport
Shreveport, Louisiana 71109

Mail - P. O. Box 9000 *

* OKLAHOMA, NEW MEXICO

District Airport Engineer
Federal Aviation Agency
FAA Building
Wiley Post Airport
Bethany, Oklahoma 73008

Mail - P. O. Drawer F
Bethany, Oklahoma 73008 *

APPENDIX 5 - (Continued)

Southern Region

Chief, Airports Division
Federal Aviation Agency
3400 Whipple Avenue
East Point, Georgia

Mail - P. O. Box 20636
Atlanta, Georgia 30320

GEORGIA, TENNESSEE

District Airport Engineer
Federal Aviation Agency
3400 Whipple Avenue, Room 232
East Point, Georgia

Mail - P. O. Box 20636
Atlanta, Georgia 30320

ALABAMA, MISSISSIPPI

District Airport Engineer
Federal Aviation Agency
FAA Building
Jackson Municipal Airport
Jackson, Mississippi 39205

Mail - P. O. Box 1727

* FLORIDA, PUERTO RICO, VIRGIN ISLANDS

District Airport Engineer
Federal Aviation Agency
FAA Weather Bureau Building
Room 208
Miami International Airport
Miami, Florida 33159

Mail - P. O. Box 59-2014, AMF Branch *

* NORTH CAROLINA, SOUTH CAROLINA

District Airport Engineer
Federal Aviation Agency
Municipal Airport
Branch Post Office
Charlotte, North Carolina 28208 *

APPENDIX 5 - (Continued)

Central Region

Chief, Airports Division
Federal Aviation Agency
4825 Troost Avenue
Kansas City, Missouri 64110

* KANSAS, MISSOURI

District Airport Engineer
Federal Aviation Agency
1208 Federal Office Building
911 Walnut Street
Kansas City, Missouri 64106 *

MINNESOTA, NORTH DAKOTA,
WISCONSIN

District Airport Engineer
Federal Aviation Agency
622 Commerce Building
4th & Wabasha Streets
St. Paul, Minnesota 55101

* IOWA, NEBRASKA, SOUTH DAKOTA

District Airport Engineer
Federal Aviation Agency
General Aviation Building
Lincoln Municipal Airport
Lincoln, Nebraska 68524 *

* ILLINOIS

District Airport Engineer
Federal Aviation Agency
1104 Customs House Building
610 South Canal Street
Chicago, Illinois 60607 *

* INDIANA, MICHIGAN

District Airport Engineer
Federal Aviation Agency
Room 526, Mutual Building
208 North Capitol Avenue
Lansing, Michigan 48933 *

* MONTANA

District Airport Engineer
Federal Aviation Agency
FAA Building, Helena Airport
Helena, Montana *

APPENDIX 5 - (Continued)

Western Region

Chief, Airports Division
Federal Aviation Agency
5651 West Manchester Avenue
Los Angeles, California 90009

Mail - P. O. Box 90007,
Airport Station

SOUTHERN CALIFORNIA

District Airport Engineer
Federal Aviation Agency
5885 West Imperial Highway
Los Angeles, California 90045

* COLORADO, WYOMING

District Airport Engineer
Federal Aviation Agency
8055 East 32nd Avenue
Denver, Colorado 80207 *

* WASHINGTON, OREGON, IDAHO

District Airport Engineer
Federal Aviation Agency
Room 114, FAA Building
Boeing Field
Seattle, Washington 98108 *

* UTAH, NEVADA

District Airport Engineer
Federal Aviation Agency
Room 220, 2nd Floor
Terminal Building
Reno Municipal Airport
Reno, Nevada 89502 *

* ARIZONA

District Airport Engineer
Federal Aviation Agency
2873 Sky Harbor Boulevard
Commerce Building No. 2
Sky Harbor Municipal Airport
Phoenix, Arizona 85034

Mail - 2800 Sky Harbor Blvd. *

* NORTHERN CALIFORNIA

District Airport Engineer
Federal Aviation Agency
831 Mitten Road
Burlingame, California 94010

Mail - P. O. Box 8307
Airport Station
San Francisco, Calif. 94128*

APPENDIX 5 - (Continued)

Alaskan Region

Chief, Airports Division
Federal Aviation Agency
Headquarters Building
632 Sixth Avenue
Anchorage, Alaska 99501

Pacific Region

* Chief, Airports Division
Federal Aviation Agency
1833 Kalakaua Avenue
Room 805
Honolulu, Hawaii 96812 *