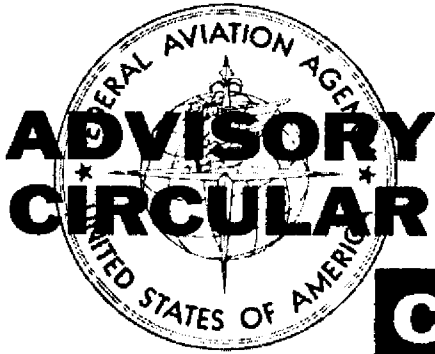


Federal Aviation Agency



AC NO: 150/5345-1 CH 6
AIRPORTS
EFFECTIVE : 5/25/65

CHANGE

SUBJECT : CH 6 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. *Asterisks denote changes*.
 - a. Pages i & ii. To include current advisory circular numbers in Table of Contents.
 - b. Page 1. To delete Westinghouse Electric Company's beacon.
 - c. Page 2. To add General Electric Company's approved runway and strip lights.
 - d. Page 6. To add General Electric Company's approved obstruction lights.
 - e. Pages 7, 8, & 9. To delete Westinghouse Electric Company's regulators.
 - f. Page 11. To add General Electric Company's approved high intensity runway lights.
 - g. Page 13. To add General Electric Company's approved taxiway edge lights.
 - h. Pages 14 & 15. To add Waldo Electronics Company's approved cable connectors.
 - i. Page 28. To add Crouse-Hinds Company's additional approved taxi guidance signs and revised catalog numbers.
 - j. Page 33. To add General Electric Company's approved transformers.

- k. Page 36. To revise Westinghouse Electric Corporation's catalog numbers.
- l. Appendix 3, Page 2. To add Waldo Electronics Company's address.

PAGE CONTROL CHART

Remove Pages	Dated	Insert Pages	Dated
1	1/6/65	1	5/25/65
11	1/6/65	11	5/25/65
1	8/15/63	1	5/25/65
2	11/13/63	2	5/25/65
5	11/13/63	5	11/13/63
6	8/15/63	6	5/25/65
7	4/16/64	7	5/25/65
8	4/16/64	8	5/25/65
9	4/16/64	9	5/25/65
10	8/15/63	10	8/15/63
11	11/13/63	11	5/25/65
12	4/16/64	12	4/16/64
13	11/13/63	13	5/25/65
14	4/16/64	14	5/25/65
15	4/16/64	15	5/25/65
16	9/1/64	16	9/1/64
27	1/6/65	27	1/6/65
28	8/15/63	28	5/25/65
33	8/15/63	33	5/25/65
34	8/15/63	34	8/15/63
35	8/15/63	35	8/15/63
36	1/6/65	36	5/25/65
Appendix 3			
1	1/6/65	1	1/6/65
2	1/6/65	2	5/25/65


 Cole Morrow, Director
 Airports Service

TABLE OF CONTENTS

	<u>Page No.</u>
L-801 - Beacon for Small Airports (AC 150/5345-12) -----	1
L-802 - Runway and Strip Light (AC 150/5345-20) -----	2
*L-807 - Eight-Foot Illuminated Wind Cone (AC 150/5345-27) -----	3
L-808 - Lighted Wind Tee (AC 150/5345-36) -----	4*
L-809 - Airport Light Base and Transformer Housing (AC 150/5345-6) -----	5
L-810 - Obstruction Light (AC 150/5345-2) -----	6
L-811 - Static Indoor Type Constant Current Regulator Assembly, 4 KW; With Brightness Control and Runway Selection for Direct Operation (AC 150/5345-18) -----	7
L-812 - Static Indoor Type Constant Current Regulator Assembly; 4 KW and 7½ KW; With Brightness Control for Remote Operation (AC 150/5345-11) -----	8
L-813 - Static Indoor Type Constant Current Regulator Assembly; 4 KW and 7½ KW; for Remote Operation of Taxiway Lights (AC 150/5345-21) -----	9
*L-816 - Circuit Selector Cabinet Assembly for 600 Volt Series Circuits (AC 150/5345-35) -----	10
L-819 - Fixed Focus Bidirectional High Intensity Runway Light (AC 150/5345-9A) -----	11*
L-821 - Airport Lighting Panel for Remote Control of Airport Lighting (AC 150/5345-3) -----	12
L-822 - Taxiway Edge Light (AC 150/5345-23) -----	13
L-823 - Plug and Receptacle, Cable Connectors (2 pages) (AC 150/5345-26) -----	14
L-824 - Underground Electrical Cables for Airport Lighting Circuits (8 pages) (AC 150/5345-7) -----	16
L-827 - "A" Frame Hinged Support for 12-Foot Wind Cone (AC 150/5345-14) -----	26

TABLE OF CONTENTS
(continued)Page No.

L-828 - Saturable Reactor Type Constant Current Regulator With Stepless Brightness Control (AC 150/5345-10) -----	27
L-829 - Internally Lighted Airport Taxi Guidance Sign (AC 150/5345-4) -----	28
L-833 - Individual Lamp Series-To-Series Type Insulating Transformer for 600 Volt or 3000 Volt Series Circuits (AC 150/5345-31) -----	29
L-834 - Individual Lamp Series-To-Series Type Insulating Transformer for 5000 Volt Series Circuit (AC 150/5345-22) -----	30
L-837 - Large-Size Light Base and Transformer Housing (AC 150/5345-32) -----	31
L-838 - Semiflush Prismatic Airport Light (AC 150/5345-19) -----	32
L-839 - Individual Lamp Series-To-Series Type Insulating Transformer for 5000 Volt Series Circuit 6.6/20 Amperes 300 Watt (AC 150/5345-34) -----	33
L-840 - Low Intensity Runway, Landing Strip, and Taxiway Light (AC 150/5345-8) -----	34
L-841 - Auxiliary Relay Cabinet Assembly for Pilot Control of Airport Lighting Circuits (AC 150/5345-13) -----	35
L-842 - Airport Centerline Light (AC 150/5345-15) -----	36
L-843 - Airport In-Runway Touchdown Zone Light (AC 150/5345-16)--	37
L-844 - Individual Lamp Series-To-Series Type Insulating Transformer for 5000 Volt Series Circuit 20/6.6 Amperes 200 Watt (AC 150/5345-33) -----	38
L-845 - Semiflush Inset Prismatic Airport Light (AC 150/5345-17)-	38-1
L-846 - Electrical Wire for Lighting Circuits to be Installed in Airport Pavements (AC 150/5345-30) -----	38-2
L-847 - Circuit Selector Switch, 5000 Volt 20 Ampere (AC 150/5345-5) -----	38-3

L-801 - Beacon for Small Airports

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

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	47295D	47296D	47299C	47300C	47303C	47304c
General Electric	C948G109	C948G110	C948G106	C948G107		
Line Material	LP2E3	LP2E5	LP2E4	LP2E6		
Revere Electric	6074	6075	6071	6072		
Westinghouse Electric	306P611G01	306P613G01	306P615G01	306P617G01		
Multi Electric Mfg. Company	1093	1092	1083	1082		

L-809 - Airport Light Base and Transformer Housing

MANUFACTURER	APPROVED CATALOG NUMBERS	REMARKS
Crouse-Hinds	FL-1818	
B. Feneno	BF-1277	
Gar-Let Manufacturing Company, Incorporated	L-809	12-inch diameter base
Revere Electric	7017	
Southwest Ornamental Iron	SWA-8007	
Westinghouse Electric	S#1566707	
Vega Industries	2120	

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	-----	-----
Hughey and Phillips	OB21P-4(a)	OB20P-4(a)	OB24P-4(a)	OB22P-4(a)
Revere Electric	-----	6051	-----	6053
Westinghouse Electric	-----	S#1469337	-----	S#1569339
<u>Multiple - Medium Screw Sockets</u>				
Crouse-Hinds	44722	44505A	-----	44507A
*General Electric	-----	C948G114	-----	-----
Hughey and Phillips	OB21P-4(a)	OB20-4(a)	OB24-4(a)	OB22-4(a)
Revere Electric	-----	6051A	-----	6053A
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,
4 KW; With Brightness Control and Runway Selection For
Direct Operation

MANUFACTURER	APPROVED CATALOG NO.	REMARKS
General Electric	C901G100	
Hevi-Duty Electric	W19935-811	

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

MANUFACTURER	APPROVED CATALOG NUMBERS	
	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

MANUFACTURER	APPROVED CATALOG NUMBERS			
	Clear	Green	Yellow	Remarks
Crouse-Hinds	44607A	44608A	44609A	Specify 12" or 16" Base Plate
*General Electric	C948G100	-----	-----	360° White
General Electric	-----	C948G102	-----	180° Green (2)
General Electric	-----	-----	C948G101	180° Yellow*
Line Material	LP1C1	-----	-----	12" Base Plate
Line Material	LP1C2	-----	-----	16" Base Plate
Multi Electric	1171	-----	-----	12" Base Plate
Multi Electric	-----	1170-11-G	-----	360° Green
Multi Electric	-----	-----	1170-10-A	180° Yellow
Revere Electric	7651	7653	7656	12" Base Plate
Westinghouse Electric	S1568496	S1568498	S1568497	12" Base Plate
Westinghouse Electric	S306P542G01	S306P544G01	S306P543G01	16" Base Plate

4/16/64

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
U. S. Controls	Type S, Size 1	Type S Size 2	Type F Size 1	Type F Size 2	Type F Size 3
Westinghouse Electric	CL5C841G01	CL5C861G01	CL5C851G01	CL5C831G01	CL5C871G01

L-822 - Taxiway Edge Light

APPROVED CATALOG NUMBERS

	STAKE MOUNTED (BLUE)	BASE MOUNTED (BLUE)	STAKE WITH JUNCTION BOX (BLUE)
Crouse-Hinds	47298D	47302C	47306C
*General Electric	C948G113	C948G112 *	
Line Material	LP2E1	LP2E2	
Multi Electric	1094	1084	
Revere Electric	6076	6073	
Westinghouse Electric	306P619G01	306P621G01	

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
	Pacific Electriccord	823-1c
Fig. 6a	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	Ff
	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

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.
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-828 - Saturable Reactor Type Constant
Current Regulator with Stepless
Brightness Control

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

*

MANUFACTURER	APPROVED CATALOG NUMBERS 20 Amperes			
	10 KW	20 KW	30 KW	50 KW
Hevi-Duty Electric	54810P	54790P	54820P	54580P *

L-829 - Internally Lighted Airport Taxi Guidance SignTYPE 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 29 for L-833 Transformer Suppliers. See Page 30 for L-834 Transformer Suppliers.

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*

Jefferson
Electric Co.

345-107

345-107-001

L-840 - Low Intensity Runway, Landing
Strip, and Taxiway Light

APPROVED CATALOG NUMBERS				
MANUFACTURER	Clear	Green	Blue	Remarks
Line Material	LP3F1	LP3F2	LP3F3	
Crouse-Hinds	SRL-47616	SRL-47618	SRL-47617	
Standard Signs Incorporated	3001C	3001G	3001B	

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

890D847G05

890D847G04*

Structural Electric
Products Corporation

18495B

18240B

Sylvania Electric
Products Incorporated

PG3001

PG3002

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	*Structural Electric Products Corp. Windsor Locks, Connecticut
	Sylvania Electric Products Inc. Ipswich, Massachusetts *

APPENDIX 3 - (continued)

Vega Industries
Special Products Division
Syracuse 5, New York

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

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

Westinghouse Electric Corporation
1000 Connecticut Avenue, N.W.
Washington 6, 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.