

Federal Aviation Agency



AC NO: 150/5345-1 CH 1

AIRPORTS

EFFECTIVE :

11/13/63

CHANGE

SUBJECT : CH 1 TO CIRCULAR NO. AC 150/5345-1, SUBJECT: 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 2, 11, 13, and 30. Change in catalog numbers.
 - b. Pages 5 and 31. Deletion of Line Material Industries' previously approved equipment.
 - c. Page 32. Amended to include the addition of two approved manufacturers.
 - d. Appendix 4 - Page 1. Includes name and address of previously omitted manufacturer.
 - e. Removal of Pages 18 and 19. The substantive change is the deletion of requirements for 3000 volt, Type A cable. This change was occasioned by a revision of the requirements of the applicable American Society for Testing and Materials (ASTM) specifications.
3. PAGE CONTROL CHART. (See following page.)


Cole Morrow, Director
Airports Service

PAGE CONTROL CHART

Remove Pages	Dated	Insert Pages	Dated
1	8/15/63	1	8/15/63
2	8/15/63	2	11/13/63
5	8/15/63	5	11/13/63
6	8/15/63	6	8/15/63
11	8/15/63	11	11/13/63
12	8/15/63	12	8/15/63
13	8/15/63	13	11/13/63
14	8/15/63	14	8/15/63
17-19	8/15/63	17 (thru 19)	11/13/63
20	8/15/63	20	8/15/63
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30	8/15/63	30	11/13/63
31 - 32	8/15/63	31-32	11/13/63
Appendix 4 - 1	8/15/63	Appendix 4 - 1	11/13/63
Appendix 4 - 2	8/15/63	Appendix 4 - 2	8/15/63

L-801 - Beacon for Small Airports

MANUFACTURER	APPROVED CATALOG NUMBERS	REMARKS
Crouse-Hinds	44035	Clear-Green
Westinghouse Electric	1372235	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	47295D	47296D	47299C	47300C	47303C	47304C
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
Hughey and Phillips	-----	OB20P-4	OB24-4	OB22P-4 ^(a)
Revere Electric	-----	6051	-----	6053
Westinghouse Electric	-----	S#1569337	-----	S#1569339
<u>Multiple - Medium Screw Sockets</u>				
Crouse-Hinds	44722	44505A	-----	44507A
Hughey and Phillips	OB21-4	OB20-4	-----	OB22-4*
Revere Electric	-----	6051A	-----	6053A
Westinghouse Electric	-----	S#1569336	-----	S#1569338

REMARKS:

(a) Use Suffix 3 For 3/4" Tap When Required.

L-819 - Fixed Focus Bidirectional High Intensity Runway Light

MANUFACTURER	APPROVED CATALOG NUMBERS				Remarks
	Clear	Green	Yellow		
* Crouse-Hinds	44607A	44608A	44609A		Specify 12" or 16" Base Plate*
Line Material	LP1C1	-----	-----		12" Base Plate
Line Material	LP1C2	-----	-----		16" Base Plate
Multi Electric	1711	-----	-----		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

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
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		CL5C831G01		

L-822 - Taxiway Light

APPROVED CATALOG NUMBERS

MANUFACTURER	STAKE MOUNTED (BLUE)	BASE MOUNTED (BLUE)	STAKE WITH JUNCTION BOX (BLUE)	
* Crouse-Hinds	47298D	47302C	47306C	*
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	Elastimold Division	Cm
	Hatfield Wire & Cable	MC-27
	Joy Manufacturing	X8405M
	Pacific Electricord	823-1a
	Westinghouse Electric	S#1567650
Fig. 1b	Elastimold Division	Cf
	Joy Manufacturing	X8405F
	Pacific Electricord	823-1b
Fig. 1c	Cords Limited	C14313
	Elastimold Division	Cr
	Hatfield Wire & Cable	FC-17
	Joy Manufacturing	2G125F1A
	Pacific Electricord	823-1c
Fig. 6a	Cords Limited	C14314
	Elastimold Division	Em
	Hatfield Wire & Cable	MC-26
	Joy Manufacturing	X8077M
	Pacific Electricord	823-6a

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

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

MANUFACTURER	600 VOLTS		APPROVED TRADE NAME
	<u>SINGLE CONDUCTOR</u>	<u>MULTIPLE CONDUCTOR</u>	
	AWG Sizes	AWG Sizes	
The Okonite Company	12-10-8-6-4	12-10-8-6-4	Watertite- Okoprene
Reynolds Metals Co.	12-10-8-6-4	12-10-8-6-4	Reynolds
Rome Cable	12-10-8-6-4	12-10-8-6-4	RoMarine RoPrene RR
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
	<u>SINGLE CONDUCTOR</u>	<u>MULTIPLE CONDUCTOR</u>	
	AWG Sizes	AWG Sizes	
American Insulated Wire	8-6-4	-----	A.I.W. Corp.
American Steel & Wire	8-6-4	8-6-4	Amerprene - "B"
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	-----	Hylvolt Trenchwire
Crescent Insulated Wire & Cable	-----	8-6-4	Hylvolt 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
Kaiser Aluminum & Chemical Sales	8-6-4	8-6-4	Kaiser Airport Cable
Narragansett Wire	8-6-4	-----	Naradrect

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
Elastimold Division	1954-B1	1954-C1
General Electric	3303795AB	3303795
Jefferson Electric	345-101	345-101-001

L-834 - Transformer For 5000 Volt Series Circuit

APPROVED CATALOG NUMBERS

MANUFACTURER	APPROVED CATALOG NUMBERS			
	WITHOUT EXTRA CABLE ASSEMBLIES		WITH EXTRA CABLE ASSEMBLIES	
	TYPE I 100W	TYPE II 200W	TYPE I 100W	TYPE II 200W
* Elastimold Division	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-837 - Large-Size Light Base and Transformer Housing

MANUFACTURER	APPROVED CATALOG NUMBERS	REMARKS
B. Feneno	BF-1677	
Crouse-Hinds	FL-7963	
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
Revere Electric	7715	7725*	

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 261 Constitution Avenue, N. W. Washington 1, D. C.	Triangle Conduit and Cable Company, Incorporated Triangle and Jersey Avenues New Brunswick, New Jersey
General Electric Company Outdoor Lighting Department Hendersonville, North Carolina	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