

316
CHANGE



AC NO: 150/5345-1D CHG 1

DATE: 11/1/73

ADVISORY CIRCULAR

DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION

SUBJECT: CHANGE 1 TO ADVISORY CIRCULAR 150/5345-1D,
APPROVED AIRPORT LIGHTING EQUIPMENT

1. PURPOSE. This change transmits additions and revisions to the list of approved equipment and manufacturers.
2. PAGE CONTROL CHART.

Remove Pages	Dated	Insert Pages	Dated
iii	4/11/73	iii	11/1/73
1 and 2	4/11/73	1 and 2	11/1/73
7 thru 10	4/11/73	7 and 8	11/1/73
		9	4/11/73
		10	11/1/73
13 (and 14)	4/11/73	13 (and 14)	11/1/73
17 thru 20	4/11/73	17	4/11/73
		18 thru 20	11/1/73
27 and 28	4/11/73	27	4/11/73
		28	11/1/73
33 thru 36	4/11/73	33 thru 36	11/1/73
43 thru 46	4/11/73	43	4/11/73
		44 thru 46-2	11/1/73
Appendix 1		Appendix 1	
1 and 2	4/11/73	1 and 2	11/1/73
Appendix 2		Appendix 2	
1	4/11/73	1	11/1/73

Clyde W. Pace Jr.

CLYDE W. PACE, JR.
Director, Airports Service

Initiated by: AAS-550

AC NO: 150/5345-1D

DATE: 4/11/73



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 150/5345-1C, Approved Airport Lighting Equipment, dated October 26, 1971.
3. 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.
4. APPROVALS. 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 (AAS-500), Washington, D.C. 20591.
5. HOW TO OBTAIN THIS CIRCULAR. Obtain additional copies of this circular, AC 150/5345-1D, Approved Airport Lighting Equipment, from the Department of Transportation, Distribution Unit, TAD-484.3, Washington, D.C. 20590.

A handwritten signature in cursive script, reading 'Clyde W. Pace, Jr.'.

CLYDE W. PACE, JR.
Director, Airports Service

TABLE OF CONTENTS

	<u>Page No.</u>
L-801 - Beacon (AC 150/5345-12A) - - - - -	1
L-802 - Runway and Strip Light (AC 150/5345-20)- - - - -	2
L-807 - Eight-Foot and Twelve-Foot Unlighted or Externally Lighted Wind Cone (AC 150/5345-27A)- - - - -	3
L-808 - Lighted Wind Tee (AC 150/5345-36)- - - - -	4
L-810 - Obstruction Light (AC 150/5345-2)- - - - -	5
L-811 - Static Indoor Type Constant Current Regulator Assembly, 4KW; With Brightness Control and Runway Selection for Direction Operation (AC 150/5345-18) - - - - -	6
L-812 - Static Indoor Type Constant Current Regulator Assembly, 4KW and 7-1/2KW; With Brightness Control for Remote Operation (AC 150/5345-11) - - - - -	7
L-813 - Static Indoor Type Constant Current Regulator Assembly, 4KW and 7-1/2KW; For Remote Operation of Taxiway Lights (AC 150/5345-21)- - - - -	8
L-816 - Circuit Selector Cabinet Assembly for 600 Volt Series Circuits (AC 150/5345-35)- - - - -	9
L-819 - Fixed Focus Bidirectional High Intensity Runway Light (AC 150/5345-9C) - - - - -	10
L-821 - Airport Lighting Panel for Remote Control of Airport Lighting (AC 150/5345-3B)- - - - -	11
L-822 - Taxiway Edge Light (AC 150/5345-23)- - - - -	12
L-823 - Plug and Receptacle, Cable Connectors (AC 150/5345-26A)	13
L-824 - Underground Electrical Cables for Airport Lighting Circuits (5 pages) (AC 150/5345-7B) - - - - -	15
L-828 - Constant Current Regulators (AC 150/5345-10C)- - - - -	20
L-829 - Internally Lighted Airport Taxi Guidance Sign (2 pages) (AC 150/5345-4)- - - - -	21

Page No.

L-833 - Individual Lamp Series-to-Series Type Insulating Transformer for 600 Volt or 5,000 Volt Series Circuits (AC 150/5345-31A) - - - - -	24
L-834 - Individual Lamp Series-to-Series Type Insulating Transformer for 5,000 Volt Series Circuit (AC 150/5345-22) - - - - -	25
L-838 - Semiflush Prismatic Airport Light (AC 150/5345-19) - -	26
L-839 - Individual Lamp Series-to-Series Type Insulating Transformer for 5,000 Volt Series Circuit 6.6/20 Amperes 300 Watt (AC 150/5345-34) - - - - -	27
L-841 - Auxiliary Relay Cabinet Assembly for Pilot Control of Airport Lighting Circuits (AC 150/5345-13) - - - - -	28
L-842 - Airport Centerline Light (AC 150/5345-15) - - - - -	29
L-843 - Airport In-Runway Touchdown Zone Light (AC 150/5345-16)	30
L-844 - Individual Lamp Series-to-Series Type Insulating Transformer for 5,000 Volt Series Circuit 20/6.6 200 Watt (AC 150/5345-33) - - - - -	31
L-846 - Electrical Wire for Lighting Circuits to be Installed in Airport Pavements (AC 150/5345-30A) - - - - -	32
L-848 - Medium Intensity Approach Light Bar Assembly (AC 150/5340-14B) - - - - -	33
L-849 - Condenser Discharge Type Flashing Light (AC 150/5340-14B)	34
L-850 - Light Assembly, Airport Runway Centerline and Touchdown Zone (AC 150/5345-37C) - - - - -	35
L-851 - Visual Approach Slope Indicators & Accessories (2 pages) (AC 150/5345-28B) - - - - -	36
L-852 - Light Assembly, Airport Taxiway Centerline (AC 150/5345-29A) - - - - -	38
L-853 - Runway and Taxiway Retroreflective Markers (AC 150/5345-39A) - - - - -	39

	<u>Page No.</u>
L-854 - Radio Controls (AC 150/5340-14B) - - - - -	40
L-855 - Individual Lamp Series-to-Series Type Insulating Transformer 5,000 Volt Series Circuit, 6.6/6.6 Amperes, 65 Watts (AC 150/5345-51) - - - - -	41
L-856 - High Intensity Obstruction Lighting System (AC 150/5345-43A) - - - - -	42
L-857 - Airport Light Bases, Transformer Housings, and Junction Boxes (AC 150/5345-42) - - - - -	43
L-858 - Retroreflective Taxiway Guidance Sign (3 pages) (AC 150/5345-44A) - - - - -	44
L-859 - Omnidirectional Lead-In Approach Lighting System (AC 150/5340-14B) - - - - -	46-1
AC 150/5345-45 - Lightweight Approach Light Structure - -	46-2
CAA-291 - 36-Inch Rotating Beacon - - - - -	47
CAA-446 - 300MM Hazard Beacon (Red) - - - - -	47
 APPENDIX 1. Address List of Equipment Manufacturers (Other Than Cable) (2 pages)	 1
APPENDIX 2. Address List of Cable Manufacturers (1 page)	1

11/1/73

AC 150/5345-1D CHG 1

L-801 - Beacon

MANUFACTURER	APPROVED CATALOG NUMBER	REMARKS
Crouse-Hinds	44035A	With Lamp Changer
Airport Lighting & Navigational Aids	R/B-2/1000 A	Without Lamp Changer
	R/B-4/1000 A	With Lamp Changer

11/1/73

L-802 - Runway and Strip Light

<u>MANUFACTURER</u>	<u>APPROVED CATALOG NUMBERS</u>					
	<u>STAKE MOUNTED</u>		<u>BASE MOUNTED</u>		<u>STAKE WITH JUNCTION BOX</u>	
	CLEAR	GREEN	CLEAR	GREEN	CLEAR	GREEN
Crouse-Hinds	47295E	47296E	47299E	47300E	47303E	47304E
General Electric	C958G336	C958G344	C958G301	C958G309		
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-MILBC	RWL-MILBG		
Airport Lighting	16-S49	16-S50	16-B49	16-B50		
<u>THRESHOLD (RED/GREEN)</u>						
	<u>STAKE MOUNTED</u>		<u>BASE MOUNTED</u>		<u>STAKE WITH JUNCTION BOX</u>	
	<u>LEFT HAND</u>	<u>RIGHT HAND</u>	<u>LEFT HAND</u>	<u>RIGHT HAND</u>	<u>LEFT HAND</u>	<u>RIGHT HAND</u>
Crouse-Hinds	48319	48320	48321	48322	48324	48325
Hughey & Phillips	ML31L	ML31M	ML31N	ML31P		

NOTE: See page 43 for L-857 Base Suppliers

L-807 - Eight-Foot and Twelve-Foot Unlighted or Externally
Lighted Wind Cone

MANUFACTURER	CATALOG NUMBERS			
	With Obstruction & External Lights	Without Obstruction & External Lights	With Obstruction Lights Only	With External Lights Only
EIGHT-FOOT WIND CONE				
Crouse-Hinds	4481B	4482A	44483B	44484A
Westinghouse Electric	S#1372750	S#1372753	S#1372752	S#137251
Hughey & Phillips	WC818A	WC818D	WC818C	WC818B
Airport Lighting & Navigational Aids	WC-8-L	WC-8-UL		
TWELVE-FOOT WIND CONE				
Crouse-Hinds	48310	48311	48312	48313
Hughey & Phillips	WC1236A	WC1236D	WC1236C	WC1236B
Airport Lighting & Navigational Aids	WC-12-L	WC-12-UL		

L-808 - Lighted Wind Tee

MANUFACTURER	CATALOG NUMBER	REMARKS
Crouse-Hinds	43339-C	
Airport Lighting & Navigational Aids	WP-2012-11G	

L-810 - Obstruction Light

MANUFACTURER	CATALOG NUMBER			
	Single Unit		Double Unit	
	Side Entrance Hub	Bottom Entrance Hub	Side Entrance Hub	Bottom Entrance Hub
SERIES - MEDIUM PREFOCUS SOCKETS				
Crouse-Hinds	44721	44506A		44508A
General Electric		C958G802		C958G804
Hughey & Phillips	OB21P-4 ¹ / ₄	OB20P-4 ¹ / ₄	OB24P-4 ¹ / ₄	OB22P-4 ¹ / ₄
Westinghouse Electric		S#1569337		S#1569339
MULTIPLE - MEDIUM SCREW SOCKETS				
Crouse-Hinds	44722	44505A		44507A
General Electric		C958G801		C958G803
Hughey & Phillips	OB21-4 ¹ / ₄	OB20-4 ¹ / ₄	OB24-4 ¹ / ₄	OB22-4 ¹ / ₄
Westinghouse Electric		S#1569336		S#1569338

¹/₄ Use suffix 3 for 3/4 inch tap when required.

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

MANUFACTURER	CATALOG NUMBER	REMARKS
General Electric	C901G100C	
Hevi-Duty Electric	C-42989	

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

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

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

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

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

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

L-819 - Fixed Focus Bidirectional High Intensity Runway Light

MANUFACTURER	CATALOG NUMBERS			
	Clear	Green	Yellow	Remarks
Crouse-Hinds*	44607A	44608A	44609A	Specify 12" or 16" base plate
General Electric	C958G001	C958G052	C958G035	360° white, 180° green(2), 180° yellow
Multi-Electric	1171	1170-11-G	1170-10-A	12" base plate, 360° green, 180° yellow
Westinghouse Electric	S1568496 S306P542G01	S1568498 S306P544G01	S1568497 S306P543G01	12" base plate 16" base plate
Hughey & Phillips	HL32A HL32D	HL32B HL32E HL32J (red/green)	HL32C HL32F	12" base plate 16" base plate 12" 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 and green filters available
*Crouse-Hinds				48318 - Red/green

Note: See page 43 for L-857 Base Suppliers.

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	Size 4
Universe, Inc.	1-821-SA	2-821-SA	1-821-FA	2-821-FA	3-821-FA	4-821-FA
Associated Engineering	N-201- 821S	N-202- 821S	N-201- 821F	N-202- 821F	N-203- 821F	N-204- 821F
Crouse- Hinds	CPS-1	CPS-2	CPF-1	CPF-2	CPF-3	CPF-4
Westing- house	CL5C841G01	CL5C861G01	CL5C851G01	CL5C831G01	CL5C871G01	
Airport Lighting & * Navigational Aids **	L821- S-1-48	L821- S-2-48	L821- F-1-48	L821- F-2-48	L821- F-3-48	L821- F-4-48
	L821- S-1-120	L821- S-2-120	L821- F-1-120	L821- F-2-120	L821- F-3-120	L821- F-4-120

* 48 Volts

** 120 Volts

L-822 - Taxiway Edge Light

MANUFACTURER	CATALOG NUMBERS		
	Stake Mounted (Blue)	Base Mounted (Blue)	Stake with Junction Box (Blue)
Crouse-Hinds	47298E	47302E	47306E
General Electric	C958G541	C958G501	
Multi-Electric	1094	1084	
Westinghouse Electric	810C751G06	810C751G07	
Hughey & Phillips	ML31E	ML31F	
Airport Lighting	16-S51	16-B51	
Airport Lighting & Navigational Aids	TWL-MILS	TWL-MILB	

Note: See page 43 for L-857 Base Suppliers

L-823 - Plug and Receptacle, Cable Connectors

MANUFACTURER	TYPE AND SIZES	CATALOG NUMBER
The Elastimold Division of ESNA	Figures 1a 1b 1c 6a 6b 11 14a/14b 14c/14d 14e/14f 15a/15b 15c/15d 15e/15f 15g/15h	Cm Cf Cr Em Ef 1839-Ei 54-F4-F4 54-E4-E4 54-D4-D4 Style 90P Style 90R Style 91P Style 91R
Continental Hatfield Wire & Cable	Figures 1a 1c 6a 6b 11	MC-27 FC-17 MC-26 FC-19 FC-18
Joy Manufacturing	Figures 1a 1b 1c 6a 6b 11 14a/14b 14c/14d 14e/14f	X8405M X8405F 2G125F1A X8077M X8077F X8077MF X8077-257 X8077-301 X8077-387
Pacific Electriccord	Figures 1a 1b 1c 6a 6b	823-1a 823-1b 823-1c 823-6a 823-6b
Westinghouse Electric	Figure 1a	S#1567650

L-824 - Underground Electrical Cables
For Airport Lighting Circuits

MANUFACTURER	TYPE "A" - PERFORMANCE INSULATION (NONSHIELDED) 600 VOLTS		
	SINGLE CONDUCTOR AWG Sizes	MULTIPLE CONDUCTOR AWG Sizes	APPROVED TRADE NAME
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 Electric	12-10-8-6-4	12-10-8-6-4	GE Versatol- Geoprene
Continental 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 Int'l, 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	Habirduct- Habirprene
Rome Cable, Division of Cyprus Mines Corp.	12-10-8-6-4	12-10-8-6-4	Rome Cable
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
Whitney Blake	12-10-8-6-4	12-10-8-6-4	Whitney Blake

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

MANUFACTURER	TYPE "C" - CROSS-LINKED POLYETHYLENE INSULATED (NONSHIELDED) 600 VOLTS		
	SINGLE CONDUCTOR AWG Sizes	MULTIPLE CONDUCTOR AWG Sizes	APPROVED TRADE NAME
American Insulated Wire	12-10-8-6-4		A.I.W. Corp.
Cerro Wire & Cable	12-10-8-6-4		Cerro
Collyer Insulated Wire Co.	12-10-8-6-4	12-10-8-6-4	Collyer L-824
Essex Int'l, Inc.	12-10-8-6-4		Essex L-824
Rome Cable, Division of Cyprus Mines	12-10-8-6-4	12-10-8-6-4	Rome Cable
Triangle Conduit & Cable	12-10-8-6-4		Everene
General Electric	12-10-8-6-4	12-10-8-6-4	Vulkene L-824
Continental Hatfield Wire & Cable	12-10-8-6-4		Hatfield Permalene

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

MANUFACTURER	TYPE "B" - OZONE RESISTANT INSULATION (NONSHIELDED) 5,000 VOLTS		
	SINGLE CONDUCTOR AWG Sizes	MULTIPLE CONDUCTOR AWG Sizes	APPROVED TRADE NAME
American Insulated Wire	8-6-4	8-6-4	A.I.W. Corp.
Anaconda Wire & Cable	8-6-4	8-6-4	Uniblend EP
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 Electric	8-6-4	8-6-4	GE Super Coronal- Geoprene
Continental Hatfield Wire & Cable	8-6-4	8-6-4	Permaprene
Okonite	8-6-4	8-6-4	Okonite-Okoprene
Essex Int'l, Inc.	8-6-4		Paranite Para- prene
Phelps Dodge Copper Products	8-6-4		Habirite- Habirprene
Triangle Conduit & Cable	8-6-4	8-6-4	Trizone Trioprene
Whitney Blake	8-6-4	8-6-4	Whitney Blake

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

MANUFACTURER	TYPE "C" - CROSS-LINKED POLYETHYLENE INSULATION (NONSHIELDED) 5,000 VOLTS		
	SINGLE CONDUCTOR AWG Sizes	MULTIPLE CONDUCTOR AWG Sizes	APPROVED TRADE NAME
Cerro Wire & Cable	8-6-4		Cerro
American Insulated Wire	8-6-4		A.I.W. Corp.
Collyer Insulated Wire Co.	8-6-4	8-6-4	Collyer
Essex Int'l, Inc.	8-6-4		Essex L-824
Rome Cable Division of Cyprus Mines	8-6-4		Rome Cable
Triangle Conduit & Cable	8-6-4		Everene
General Electric	8-6-4		Vulkene L-824
ITT Royal Electric	8-6-4		ITT L-824
Coleman Cable & Wire	8-6-4		Coleman L-824
Continental Hat- field Wire & Cable	8-6-4		Hatfield

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

MANUFACTURER	TYPE "B" - OZONE RESISTANT INSULATION (SHIELDED) 5,000 VOLTS		
	SINGLE CONDUCTOR AWG Sizes	MULTIPLE CONDUCTOR AWG Sizes	APPROVED TRADE NAME
American Insulated Wire	8-6-4		A.I.W. Corp.
Collyer Insulated Wire	8-6-4		Suprene RR
Cornish Wire Co.	8-6-4		Cornish Wire Co.
General Electric	8-6-4		GE Super Coronol- Geoprene
Continental Hat- field Wire & Cable	8-6-4		Permaprene
	TYPE "C" - CROSS-LINKED POLYETHYLENE INSULATION (SHIELDED) 5,000 VOLTS		
Collyer Insulated Wire		8-6-4	Collyer
General Electric		8-6-4	Vulkene L-824

L-828 - Constant Current Regulators

MANUFACTURER	KILOWATT	AMPERES	CATALOG NUMBER
Hevi-Duty Electric	20	6.6	57810
	20	6.6	58070 ^{1/}
	30	6.6	57660
	30	6.6	58930 ^{1/}
	50	20	57840
	50	20	57990 ^{1/}
	70	20	57850
	70	20	58090 ^{1/}
General Electric	10	6.6	C901G501A
	10	6.6	C901G500A ^{1/}
	20	6.6	C901G511A
	20	6.6	C901G510A ^{1/}
	30	6.6	C901G531A
	30	6.6	C901G530A ^{1/}
	30	20	C901G533A
	30	20	C901G532A ^{1/}
	50	20	C901G561A
	50	20	C901G560A ^{1/}
	70	20	C901G581A
	70	20	C901G580A ^{1/}
Connecticut International Corp., SEPCO Division (under license from ADB Air Equipment S.A., Zaventum, Belgique	10	6.6	30005

^{1/} With Internal Control Power and Primary Switch

L-829 - Internally Lighted Airport Taxi Guidance Sign

Type 1 - Series Circuit

MANUFACTURER	Sign Only	With Base Plate	With Stake	Number of Sections
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 Signs	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
Airport Lighting & Navigational Aids		LTGS-B1-S	LTGS-S1-S	1
		LTGS-B2-S	LTGS-S2-S	2
		LTGS-B3-S	LTGS-S3-S	3
		LTGS-B4-S	LTGS-S4-S	4
		LTGS-B5-S	LTGS-S5-S	5
		LTGS-B6-S	LTGS-S6-S	6
		LTGS-B7-S	LTGS-S7-S	7
		LTGS-B8-S	LTGS-S8-S	8
Type 2 - Multiple Circuit				
Standard Signs	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 Taxi Guidance Sign
(continued)

Type 2 - Multiple Circuit

MANUFACTURER	Sign Only	With Base Plate	With Stake	Number of Sections
Airport Lighting & Navigational Aids		LTGS-B1-M	LTGS-S1-M	1
		LTGS-B2-M	LTGS-S2-M	2
		LTGS-B3-M	LTGS-S3-M	3
		LTGS-B4-M	LTGS-S4-M	4
		LTGS-B5-M	LTGS-S5-M	5
		LTGS-B6-M	LTGS-S6-M	6
		LTGS-B7-M	LTGS-S7-M	7
		LTGS-B8-M	LTGS-S8-M	8

4/11/73

AC 150/5345-1D

L-833 - Individual Lamp Series-To-Series Type Insulating
Transformer for 600 Volt or 5,000 Volt Series Circuits

MANUFACTURER	APPROVED CATALOG NUMBERS	
	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 5,000 Volt Series Circuit

MANUFACTURER	APPROVED CATALOG NUMBERS			
	Without Extra Cable Assemblies		With Extra Cable Assemblies	
	Type I 100 Watt	Type II 200 Watt	Type I 100 Watt	Type II 200 Watt
The Elastimold Division of ESNA	2043-A2	2034-B3	2043-C2	2034-C3
General Electric	C906-G003	3303782AB		33033782

L-838 - Semiflush Prismatic Airport Light

MANUFACTURER	APPROVED CATALOG NUMBERS		
	TYPE I BIDIRECTIONAL	TYPE II UNIDIRECTIONAL	TYPE III UNIDIRECTIONAL
Multi-Electric Crouse-Hinds	950-300 FMB-47620	952-300 FMU-47621	960-335 FMU-47669
	METAL-TO-METAL		
Multi-Electric Crouse-Hinds	2950-300 FMB-48315	2952-300 FMU-48316	3960-335

4/11/73

AC 150/5345-1D

L-839 - Individual Lamp Series-To-Series Type Insulating Transformer for 5,000 Volt Series Circuit 6.6/20 Amperes 300 Watt

MANUFACTURER	CATALOG NUMBERS	
	Without Extra Cable Assemblies	With Extra Cable Assemblies
General Electric	C906G303	C948G005

11/1/73

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

MANUFACTURER	CATALOG NUMBERS	REMARKS
Crouse-Hinds	51503	
Hughey & Phillips	RC41	
Associated Engineering	714-841	

L-842 - Airport Centerline Light

MANUFACTURER	APPROVED CATALOG NUMBERS			
	TYPE I		TYPE II	
	Style A	Style B	Style A	Style B
Westinghouse Electric	890D847G05		890D847G04	
SEPCO Division	19508		19506	
Sylvania Electric Products Co.	PG3001		PG3002	

L-843 - Airport In-Runway Touchdown Zone Light

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

4/11/73

AC 150/5345-1D

L-844 - Individual Lamp Series-To-Series Type Insulating
Transformer for 5,000 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
Plastic Wire & Cable Corp.	14-12-10	Plastic Wire & Cable L-846
American Insulated Wire Corp.	14-12-10	A.I.W. Corporation L-846
Crescent Insulated Wire & Cable	14-12-10	Crescent - L-846
Collyer Wire Company	14-12-10	Collyer L-846

11/1/73

AC 150/5345-1D CHG 1

L-848 - Medium Intensity Approach Light Bar Assembly

MANUFACTURER	CATALOG NUMBERS	REMARKS
Sylvania Electric	LB2510	See note below
Hughey & Phillips	Model AL 35	See note below
Airport Lighting & Navigational Aids	MALB	See note below

Note: When ordering a system, specify: (1) Type T or H mounting;
(2) number of light bars to be used with sequenced flashers;
and (3) aiming device.

L-849 - Condenser Discharge Type Flashing Light

MANUFACTURER	TYPE	CATALOG NUMBERS	REMARKS
Hughey & Phillips	III or IV Master Unit	FL34A ^{1/}	120 or 240 volt input. Aiming device on unit; timer included. Use with AU5584 adapter.
	III or IV Slave Unit	FL34B ^{1/}	120 or 240 volt input. Aiming device on unit. Use with AU5584 adapter.
	Adapter	AU5584 ^{1/}	2.8 to 6.6 amperes. 120 volt output.
	III or IV Master Unit	FL34C ^{2/}	120 or 240 volt input. Aiming device on unit; timer included.
	III or IV Slave Unit	FL34D ^{2/}	120 or 240 volt input. Aiming device on unit.
	Master Timer	AU5795-8 ^{2/}	120 or 240 volt input.
	Transformer	4100-B2 ^{1/}	300 watt.
	III or IV Master Unit	CD2503M ^{1/}	120 or 240 volt input. Aiming device on each system. Timer included.
	III or IV Slave Unit	CD2503S ^{1/}	120 or 240 volt input.
	Adapter	CDX1006G-1A ^{1/}	2.8 to 6.6 amperes input. Master timer included..
Sylvania Electric Products, Inc.		CD2503G ^{1/}	Condenser discharge unit (2 per system) for use with adapter.
	III or IV	CD2503S ^{2/}	120 or 240 volt input. Aiming device with each system.
	Master Timer	CD2510-1 ^{2/}	120 or 240 volt input.

^{1/} REILS^{2/} MALSF

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

MANUFACTURER	FIXTURE TYPE	CATALOG NO.	INTERNAL CONNECTOR
SEPCO Division, Connecticut International Corp.	L-850A	20065	Spade
		19320	L-823
	L-850AS	20075	Spade
		20075Y	L-823
	L-850B	19088	Spade
		19088Y	L-823
	L-850BS	19080	Spade
		19080Y	L-823

L-851 - Visual Approach Slope Indicator (VASI)

VASI LAMPS, LENS, MOUNTING ACCESSORIES

MANUFACTURER	CATALOG NUMBERS					
	With Tilt Switch With By-Pass	With Tilt Switch Without By-Pass	Without Tilt Switch With By-Pass	Without Tilt Switch Without By-Pass	Adapter Unit	Walker Bar Calibration Storage Case
Hughes & Phillips	VA37B	VA37A	VA37E	VA37D	AU6062-4- VASI 3 1/2"	AU5921

L-851 - Simple Abbreviated Visual Approach Slope Indicator (SAVASI)

MANUFACTURER	CATALOG NUMBERS		
	SAVASI Lamp, Lens Tilt, Switch Mounting Accessories	Walker Bar Calibration Carrying Case	Adapter Unit
SEPCO Division Connecticut Int'l	25721	25861	25715
Hughey & Phillips	SA36A (constant current)	AU6061	AU5979
	SA36B (constant voltage)	AU6119	AU6060
		AU6345	Transformer Shorting Device

L-852 - Light Assembly, Airport Taxiway Centerline45(W) Narrow Beam L-852N

MANUFACTURER	CATALOG NUMBERS					
	UNIDIRECTIONAL			BIDIRECTIONAL		
	Type I	Type II	Type III	Type I	Type II	Type III
SEPCO Division, Connecticut Int'l.	19508	19507	19516	19506	19505	19515

65(W) Wide Beam L-852W

MANUFACTURER	CATALOG NUMBERS					
	UNIDIRECTIONAL			BIDIRECTIONAL		
	Type I	Type II	Type III	Type I	Type II	Type III
SEPCO Division, Connecticut Int'l.	19512	19511	19514	19510	19509	19513

L-853 - Runway and Taxiway Reflective MarkersOn-Pavement Reflectors

MANUFACTURER	TYPE	CATALOG NUMBERS
Amerace - ESNA Corp.	I	88AC
	II	88ERC
	III	88AG
	IV	88EYC
	V	88AR
	VI	88BC
Ray-O-Lite	I	RX 111-4
	II	RX 112
	III	RX 111-7
	IV	RX 113
	V	RX 111-6
	VI	RX 110-7

Elevated Reflectors

MANUFACTURER	CLASS	STYLE	CATALOG NUMBERS
See Safe	II	A	AP-100A
	II	B	AP-300A
	II	C	AP-400A
	II	D	AP-500A

L-854 - Radio Controls

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

L-855 - Individual Lamp Series-To-Series Type Insulating
Transformer For 5,000 Volt Series Circuit, 6.6/6.6
Amperes, 65 Watts

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-856 - High Intensity Obstruction Lighting System

MANUFACTURER	SYSTEM	CATALOG NUMBER
Flash Technology	A & B	FTB-105
EG&G	A & B	LS-145
Dielectric Communica- tions	A & B	200K70
Symbolic Displays Inc.	A & B	TL8000
ILC Technology Inc.	A	41700 Illuminators 41701 Power Supply Unit 41702 Power Converter

4/11/73

AC 150/5345-1D

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

L-857 Light Bases and Transformer Housings

MANUFACTURER	TYPE	APPROVED CATALOG NUMBER	REMARKS
Vega Industries	I	2124	12" Diameter
	I	6324	16" Diameter
	II	1534	10" Diameter
	II	2424	12" Diameter
	II	3524	5" 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

MANUFACTURER	TYPE	APPROVED CATALOG NUMBER	REMARKS	
			DIAMETER	THICKNESS
Vega Industries	I	1000-B	13-1/2"	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

MANUFACTURER	APPROVED CATALOG NUMBERS	REMARKS
Vega Industries	7500	Extensions available

L-858 - Retroreflective Taxiway Guidance Sign

MANUFACTURER	TYPE	UNITS	CATALOG NUMBERS	REMARKS	
Vought Aeronautics *	<u>Internally Lighted Standard Temperature</u>				
	I	4	SF4-0300M(xxxx)	x will be numbers re- ferring to message	
		3	SF3-0300M(xxxx)		
		2	SF2-0200M(xx)		
		1	SF1-0100M(x)		
	IIA	4	SF4-0300I(xxxx)	x will be numbers re- ferring to message	
		3	SF3-0300I(xxxx)		
		2	SF2-0300I(xx)		
		1	SF1-0100I(x)		
	IIIA	4	SF4-0300C(xxxx)	x will be numbers re- ferring to message	
		3	SF3-0300C(xxx)		
		2	SF2-0200C(xx)		
		1	SF1-0100C(x)		
	Note: For series circuit, use GE 323G107 Series Fluorescent Ballast or Hughey & Phillips AU6440 (4.8 to 6.6A) or AU6488 (4.1 to 6.6A) Power Converter.				
	<u>Unlighted</u>				
	II	4	S4-0400I(xxxx)		
		3	S3-0300I(xxx)		
		2	S2-0200I(xx)		
		1	S1-0100I(x)		
	III	4	S4-0400C(xxxx)		
3		S3-0300C(xxx)			
2		S2-0200C(xx)			
1		S1-0100C(x)			

* Standard Signs, Inc.

L-858 - Retroreflective Taxiway Guidance Sign
(continued)

MANUFACTURER	ITEM	CATALOG NUMBERS	REMARKS	
Standard Sign	<u>Externally Lighted</u>			
	30" x 54"	8584XL	Designation SF- single face; DF- double face; OSL- one side only lighted	
	30" x 72"	8586XL		
	<u>Unlighted</u>			
	30" x 54"	8584UL		
	30" x 72"	8586UL		
Note: Must order by type and message. Lighted signs may use 120 volt multiple circuit or GE C323G107 Series Fluorescent Ballast or Hughey & Phillips AU6440 (5.2 to 6.6A) or AU6488 (4.8 to 6.6A) Power Converter.				
MANUFACTURER	UNITS	CATALOG NUMBERS	REMARKS	
ATC International	<u>Internally Lighted All Temperatures</u>			
		<u>Swing</u>	<u>Fixed</u>	Order by Type I, IIA, or IIIA.
	4	SW4(XXXX)	SL(XXXX)	
	3	SW3(XXX)	SL(XXX)	
	2	SW2(XX)	SL(XX)	
	1	SW1(X)	SL(X)	x refers to message
Note: Power supply is L-834 200-watt transformer. The symbols are the color of the background when lighted.				
	<u>Unlighted</u>			
	4	S4(XXXX)	Order by Type II or III.	
	3	S3(XXX)		
	2	S2(XX)		
	1	S1(X)		
		x refers to message		

L-858 - Retroreflective Taxiway Guidance Sign
(continued)

MANUFACTURER	TYPE	SIGN WIDTH/FACE	CATALOG NUMBERS
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

MANUFACTURER	SIGN WIDTH/FACE	POWER SUPPLY	VOLT AMPERES	CATALOG NUMBERS	
				Power Converter	Transformer
Crouse-Hinds	All signs	120V	200	None	None
	4'/single	5.5 to 6.6A	270	ML 4921A*	None
	4'/double	5.5 to 6.6A	270	ML 4921A*	None
	6'/single	5.5 to 6.6A	270	ML 4921A*	None
	6'/double	5.5 to 6.6A	355	ML 5046*	None
	All signs	4.0 to 6.6A	400	ML 4986*	None
	All signs	2.8 to 6.6A	700	ML 4922	ML 4944
	All signs	8.5 to 20.0A	700	ML 4922	ML 4945

* Includes transformer in the power converter.

11/1/73

AC 150/5345-1D CHG 1

L-859 - Omnidirectional Lead-In Approach Lighting System

MANUFACTURER	DESCRIPTION
Unitron International Systems, Inc.	Model VV 1800

AC 150/5345-45 - Lightweight Approach Light Structure

MANUFACTURER	DESCRIPTION
Vega - SM/A	Type 1 - Class A

CAA-291 - 36-Inch Rotating Beacon

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

CAA-446 - 300MM Hazard Beacon (Red)

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

11/1/73

AC 150/5345-1D CHG 1
Appendix 1

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

Airport Lighting Company, Inc. 2102 West Chestnut Avenue Santa Ana, California 92703	Flash Technology Corp. of America 111 Lock Street Nashua, New Hampshire 03060
Airport Lighting & Navigational Aids Company 201 N. Hamilton Road Columbus, Ohio 43213	Fran Air Products, Inc. 5 Central Avenue P.O. Box 478 Pawtucket, Rhode Island 02860
Amerace - ESNA Corporation Stimsonite Division 1027 Newark Avenue Elizabeth, New Jersey 07208	General Electric Company Lighting Systems Department Hendersonville, North Carolina 28739
Associated Engineering 262 Monterey Pass Road Monterey Park, California 91754	Hevi-Duty Electric Company P.O. Box 268 Goldsboro, North Carolina 27530
ATC International Inc. 2502 South 33rd Avenue P.O. Box 9457 Tulsa, Oklahoma 74107	Hughey & Phillips, Inc. 3050 North California Street Burbank, California 91505
Control Industries 409 Lafayette Avenue Urbana, Ohio 43078	ILC Technology Inc. 164 Commercial Street Sunnyvale, California 94086
Crouse-Hinds Company Wolf & 7th North Street Syracuse, New York 13201	Jackson Products Company 4009 East Bougainvillea - Industrial Park P.O. Box 9275 Tampa, Florida 33604
Dielectric Communications Route 121 Raymond, Maine 04071	Joy Manufacturing Company New Philadelphia Division 338 South Broadway P.O. Box 431 New Philadelphia, Ohio 44663
EG&G Crosby Drive Bedford, Massachusetts 01730	Multi-Electric Manufacturing, Inc. 4223-43 West Lake Street Chicago, Illinois 60624
Elastimold Division of Amerace ESNA Corporation Esna Park Hackettstown, New Jersey 07840	

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

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

Ray-O-Lite, Inc.
16102 Gothard Street
Huntington Beach, California 92647

Standard Sign, Inc.
3190 East 65th Street
Cleveland, Ohio 44127

See Safe Systems, Inc.
3875 South Main
Santa Ana, California 92707

SEPCO Division - Connecticut
International Corporation
Windsor Locks, Connecticut 06096

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

Symbolic Displays, Inc.
P.O. Box 4322
1762 McGaw Avenue
Irvine, California 92664

Unitron International Systems, Inc.
330 Patton Drive, S.W.
Atlanta, Georgia 30336

Universe, Inc.
103 North Robinson
Bloomington, Illinois 61701

Vega Industries, Inc.
Syracuse, New York 13205

Vought Aeronautics Co.
P.O. Box 5907
Dallas, Texas 75222

Westinghouse Electric Corp.
Outdoor Lighting Department
One Decker Square
Bala Cynwyd, Pennsylvania 19024

APPENDIX 2. ADDRESS LIST OF CABLE MANUFACTURERS

American Insulated Wire Corp.
Central Avenue & Freeman Street
Pawtucket, Rhode Island 02862

Anaconda Wire and Cable Co.
605 Third Avenue
New York, New York 10016

Cerro Wire and Cable Co.
5500 Maspeth Avenue
Maspeth, New York 11378

Coleman Wire & Cable
1900 North Fifth Avenue
River Grove, Illinois 60171

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

Continental Hatfield Wire &
Cable Division
360 Hurst Street
Linden, New Jersey 07036

Cornish Wire Co., Inc.
Division of General Cable Corp.
101 Water Street
Williamstown, Massachusetts 01267

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

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

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

ITT Royal Electric Division
Pawtucket, Rhode Island 02862

Okonite Company
P.O. Box 340
Ramsey, New Jersey 07446

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

Triangle Conduit & Cable Co., Inc.
P.O. Box 711
New Brunswick, New Jersey 08903

Whitney Blake Company
P.O. Box K
New Haven, Connecticut 06514

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