



U.S. Department
of Transportation
**Federal Aviation
Administration**

Advisory Circular

Subject: APPROVED AIRPORT EQUIPMENT

Date: 2/19/88

Initiated by: AAS-200

AC No: 150/5345-1S

Change:

- 1. PURPOSE.** This advisory circular (AC) contains a listing of manufacturers that have obtained qualification approval to specifications for airport equipment. This equipment may be funded for installation under Federal grant assistance programs for airports.
- 2. CANCELLATION.** This advisory circular cancels AC 150/5345-1R, Approved Airport Lighting Equipment, dated July 7, 1986.
- 3. PRINCIPAL CHANGES.** Several additions and deletions have been made to the lists of qualified manufacturers. The revised list reflects changes made through December 31, 1987.
- 4. APPROVED EQUIPMENT BULLETIN BOARD.** The approval list is now available through a computer bulletin board which permits access to up-to-date listings. The communication software used must emulate the Data General. Two known communication packages are "Softerm" and "Smarterm." The log-on procedure is as follows:

PHONE: 202-426-0477

When connected enter (return)

NAME: AAS200_SCOOP

PASSWORD: AIRPORT_88

for Leonard E. Mudd
Director, Office of Airport Standards

NOTICE TO USERS

The specification for each piece of equipment in this document is contained in the advisory circular given at the top of the product list. The equipment specification defines the type, class, and style classifications used in the listing. Not all combinations of type, class, and style are permissible--the equipment specification should be consulted for approved equipment configurations. For the sake of brevity, manufacturers who have qualified an entire equipment series or product line have the equipment listed under a single general catalog number. These general numbers are not intended for use in ordering equipment, and users should consult equipment manufacturers' catalogs or literature for complete ordering information, especially for equipment having optional features.

For airport lighting fixtures, the number in parentheses () after the manufacturer's catalog number indicates the specific lamp type approved for use in the equipment. A description of each lamp is given on pages 21 and 22.

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SECTION I - AIRPORT LIGHTING EQUIPMENT

L-801—Beacons, Medium Intensity

(AC 150/5345-12C)

Manufacturer	Manufacturer's catalog number					
	Type L-801A		Type L-801S		Type L-801H	
	Class 1	Class 2	Class 1	Class 2	Class 1	Class 2
ADB-ALNACO, Inc.		80112 80114 80116		80132		80123
Appollo Lighting Co.		0200 Series		0200 Series		
Manairco, Inc.		AB-1000D AB-1000F				AB-500H
National Airport Equipment Co.		N-1000A N-1000A4		N-1000S		

L-802—Beacons, High Intensity

(AC 150/5345-12C)

Manufacturer	Manufacturer's catalog number					
	Type L-802A		Type L-802S		Type L-802H	
	Class 1	Class 2	Class 1	Class 2	Class 1	Class 2
ADB-ALNACO, Inc.	802XX (67)		802XX (67)			
Crouse-Hinds Navigation Aids	65000-G (60,61)	65000-G-1 (60,61)	65000-Y (60,61)	65000-Y-1 (60,61)		
National Airport Equipment Co.	N-36 (60,61)	N-36 (60,61)				

L-804—Light, Holding Position Edge

(AC 150/5345-46A)

Manufacturer	Mode	Manufacturer's catalog number
ADB-ALNACO, Inc.	1	804XX-XXXX (31)
Crouse-Hinds Navigation Aids	1	41804 (71)

L-806--Wind Cones, Frangible

(AC 150/5345-27C)

Manufacturer	Size	Manufacturer's catalog number	
		Lighted	Unlighted
ADB-ALNACO, Inc.	1	80600-1000 Series	80600-2000 Series
Crouse-Hinds Navigation Aids	1	71043	71044
Godfrey Engineering Inc.	1	GEA-45-FL Series	GEA-45 Series

L-807--Wind Cones, Rigid

(AC 150/5345-27C)

Manufacturer	Size	Manufacturer's catalog number	
		Lighted	Unlighted
ADB-ALNACO, Inc.	1	80708-1000 Series	80708-2000 Series
	2	80712-1000 Series	80712-2000 Series
Crouse-Hinds Navigation Aids	1	44481D, 44484B	44482A, 44483B
	2	48310B, 48313B	48311B, 48312B
Godfrey Engineering Inc.	1	GEA-40-18-FL Series	GEA-40-18 Series
	1	GEA-40-36-FL Series	GEA-40-36 Series

L-810--Lights, Obstruction

(AC 150/5345-43C)

Manufacturer	Manufacturer's catalog number	
	Single unit	Double unit
ADB-ALNACO, Inc.	81001-1000(4)	81002-1000 (4)
	81001-2000(11)	81002-2000 (11)
Crouse-Hinds Navigation Aids	40940, 50033 (4)	50021 (4)
Godfrey Engineering Inc.	GEA-60-1,-3 (11)	GEA-61-1,-3 (11)
	GEA-60-2,-4 (30)(32)	GEA-61-2,-4 (30)(32)
Killark Electric Mfg. Co.	BYMB-3600-AHQ (30)	BYMB-36002-AHQ (30)
TWR Lighting, Inc.	OL-1 (32)	OL-2 (32)

L-821--Panel, Airport Lighting Control

(AC 150/5345-3D)

Manufacturer	Type	Class	Style
ADB-ALNACO, Inc.	I, II	F, S, W	1, 2, 3
Airport Lighting Control Co.	I	F, S, W	1, 2
Appollo Lighting Co., Inc.	I,II	F, S, W	1, 2, 3
Associated Engineering Co.	I, II	F, S, W	1, 2, 3
Crouse-Hinds Navigation Aids	II	F	1
Eaton Corporation	I, II	F, S, W	2, 3
Godfrey Engineering Inc.	I, II	F, S, W	1, 3
Universe, Inc.	I, II	F, S, W	1, 2, 3

L-823--Connectors,Cable

(AC 150/5345-26B)

Manufacturer	Type	Style	Class	Manufacturer's catalog number
Amerace Corporation (Elastimold)	I	2	A	54MP
	I	3,10	B	54KIT
	I	9	A	54MR
	II	8	A	93MR
	II	4	B	90P
	II	11	B	90R
	II	5	B	91P
	II	12	B	91R
Joy Manufacturing Co.	I	3,10	B	X8077-257A
				X8077-301A
				X8077-387A
				X8077-467
				X8405-249
Molded Electric Products, Inc.	II	4	B	5000112
	II	11	B	
	II	1	A	10518
	I	2	A	10949
	I	3	B	310XXX
	II	7	A	10519
	II	8	A	10875
	I	9	A	10950
	I	10	B	310XXX

L-824—Cable, Underground Electrical

(AC 150/5345-7D)

Manufacturer	Conductors		Type	Rating (volts)	Manufacturer's identification marking
	S	M			
American Insulated Wire Co.....	X	X	A,B	600	FAA-L824 Type A,B
.....	X		As,Bs	5000	FAA-L824 Type A,B
.....	X		B	5000	FAA-L824 Type B
.....	X	X	C	600	FAA-L824 Type C
.....	X		Cs	5000	FAA-L824 Type C
Anaconda-Ericsson, Inc.	X		B	600	Durasheath EP
.....	X		B	5000	Durasheath EP
.....	X		C	600	Durasheat XLP
.....	X		C	5000	XLP Type MV-90
ASEA Kabel AB.....	X		C	5000	ASEA Kabel FXEK
Canada Wire and Cable, Ltd.	X		B	5000	Canada Wire EPR/Neoprene
.....		X	Cs	600	Exelene Airport Series
.....	X		C	5000	Exelene Airport Series
Carol Cable Co.	X		C	600	L-824-C
.....	X		C	5000	L-824-C
Collyer Insulated Wire Co.....	X	X	Cs	5000	XLP
.....	X	X	C	600	XLP
Essex Group.....	X		C	600	L-824 Type C
.....	X		C	5000	L-824 Type C
EUPEN KABEL-UND Gummiwerke AG.		X	A	600	MCEC EUPEN FAA L-824
.....	X		B	5000	MCEC EUPEN FAA L-824
Hendrix Wire & Cable Co.	X		C	600	FAA L-824 Type C
.....	X		C	5000	FAA L-824 Type C
Hi-Tech Cable Corp.....	X		B	600	HT-ERR/PVC
.....	X		B	5000	HT-ERR/Unshielded
.....	X	X	Bs	5000	HT-ERR
.....	X		C	600	USE, RHW, RHH
.....		X	C	600	HT-XLPE
.....	X		C	5000	HT-XLPE/Unshielded
.....	X		Cs	5000	HT-XLPE
The Kerite Co.....	X	X	A	5000	Kerite HTK
Mitsubishi Cable	X	X	C	5000	Dainichi-Nippon, TypeC
.....	X		C	600	Dainichi-Nippon, TypeC
The Okonite Company.....	X		B	5000	The Okonite Company #8AWG (19X), 5kv
Philips Lighting Corp.	X		C	5000	Dravulteen (XLPE)
Pirelli Cable Corp.....	X		B	600	EPR/PVC & EPR/N
.....	X		B	5000	EPR unshielded
.....	X	X	Bs	5000	EPR
.....	X		C	600	Type USE, RHH, RHW

L-824—Cable, Underground Electrical—Continued

(AC 150/5345-7D)

Manufacturer	Conductors		Type	Rating (volts)	Manufacturer's identification marking
	S	M			
.....		X	C	600	XLPE
.....	X		C	5000	XLPE unshielded
.....	X	X	Cs	5000	XLPE
Reynolds Metals Co.	X	X	Cs	5000	XLP
The Rockbestos Co.	X		A	600	L-824 Type A
.....	X		B	5000	L-824 Type B
.....	X		C	600	L-824 Type C
.....	X		C	5000	L-824 Type C
Rome Cable Co.	X		B	600	Rome-EPR
.....	X	X	C	600	Rome-XLP, ROME-FR- XLP,
.....	X	X	Cs	5000	Rome-XLP
.....	X		Bs	5000	Rome-EPR
Royal Technologies USA, Inc.	X		C	5000	FAA L-824 Type C
Southwire Co.	X		C	600	FAA L-824 Type C
.....	X		C	5000	FAA L-824 Type C
Tamaqua Cable Products Corp.	X	X	Cs	5000	UL-L824 Type C, L-824 Type C
Triangle PWC, Inc.	X		C	600	Everene
.....		X	C	5000	Everene

NOTES:

- (1) Conductors of 5000-volt cable may be either 7-strand or 19-strand.
- (2) In the column "Conductors", s indicates single conductor and m indicates multiple conductor.
- (3) All cables are nonshielded except s after the "Type" letter indicates both nonshielded and shielded.

L-827—Monitors, Regulator

(AC 150/5345-10E)

Manufacturer	Manufacturer's catalog number	Compatible regulator types
ADB-ALNACO, Inc.	827XX-XXXX	ADB-ALNACO, Inc.
Crouse-Hinds Navigation Aids	31400	Crouse-Hinds Lighting (formerly Sepco), all models, wet and dry Hevi-Duty Electric, dry models GE P/N C901G5XXX
Hevi-Duty Electric	RSML 827AC5 RSML 827AC3 RSML 827AC3R	Hevi-Duty SCR3B series Hevi-Duty CCR3B series
Multi-Electric Manufacturing	7750-10 and 7750-11	Hevi-Duty Electric, oil cooled Westinghouse Canada, Inc. all-dry models

L-828--Regulators, Constant Current

(AC 150/5345-10E)

Manufacturer	Rating (kW)	Class	Style	Manufacturer's catalog number
ADB-ALNACO, Inc. (Air-cooled)	4	1	1,2	82804-XXXX, 828T4-XXXX
	7½	1	1,2	82807-XXXX, 828T7-XXXX
	10	1	1,2	82810-XXXX
	15	1,(2)*	1,(2)*	82815-XXXX
	20	1,(2)*	1,(2)*	82820-XXXX
	30	1,(2)*	1,(2)*	82830-XXXX
	(Oil-cooled)			
	50	2	2	82850-XXXX
	70	2	2	82870-XXXX
Crouse-Hinds Co. Navigation Aids (Air-cooled)	4	1	1,2	31000-4 Series, 313XX Series
	7½	1	1,2	31000-7.5 Series, 313XX Series
	10	1	1,2	31000-10 Series, 313XX Series
	(Oil-cooled)			
	10	1	2	31060-10-Series
	15	1	2	31060-15-Series
	20	1,2	2	31060-20-,31060-21-Series
	30	1,2	2	31060-30-,31061-31-Series
	50	2	2	31060-50-Series
	70	2	2	31060-70-Series
Hevi-Duty Electric (Air-Cooled)	4	1	1,2	4L828XXDX Series
	7½	1	1,2	7L828XXDX Series
	10	1	1,2	10L828XXDX Series
	(Oil-cooled)			
	10	1	1,2	10L828XXLX Series
	15	1	1,2	15L828XXLX Series
	20	1,2	2	20L828XXLX Series
	30	1,2	2	30L828XXLX Series
	50	2	2	50L828XXLX Series
	70	2	2	70L828XXLX Series
Westinghouse Canada, Inc. (All units are air-cooled)	4	1	1,2	W4L828W, 04L828W Series
	7½	1	1,2	W7L828W, 07L828W Series
	10	1	1,2	10L828W Series
	15	1	1,2	15L828W Series
	20	1,2	2	20L828W Series
	30	1,2	2	30L828W Series
	50	2	2	50L828W Series
	70	2	2	70L828W Series

*Designation following class number means class has only the * style approved.

L-829—Regulators, Monitored Constant Current

(AC 150/5345-10E)

Manufacturer	Rating	Class	Style	Manufacturer's catalog number
ADB-ALNACO, Inc.	(Approved for use with all ADB-ALNACO L-828 regulators)			829XX-XXXX
Crouse-Hinds Navigation Aids	(Approved for use with all Crouse-Hinds L-828 regulators)			31060-CM Series
Hevi-Duty Electric	(Approved for use with all Hevi-Duty L-828 regulators)			XXL829XXDX

L-830—Isolation Transformers, 60Hz

(AC 150/5345-47)

L-830			Manufacturer's catalog number		
Type	Watts	Amperes Pri/ Sec	Amerace Corp. (Elastimold Div.)	Crouse-Hinds Navigation Aids	ADB-ALNACO, Inc.
L-830-1	30/45	6.6/6.6	TA 045666-01 TA 045666-01(1)	33001	83001-1XXX 83001-211X
L-830-2	30/45	20/6.6	TA 045266-01		83002-221X
L-830-3	65	6.6/6.6	TA 065666-01	33003	83003-111 83003-211X
L-830-4	100	6.6/6.6	TA 100666-01	33004	83004-111 83004-211X
L-830-5	100	20/6.6	TA 100266-01	33005	83005-1130 83005-221X
L-830-6	200	6.6/6.6	TA 200666-01	33006	83006-1XXX 83006-211X
L-830-7	200	20/6.6	TA 200266-01	33007	83007-1XXX 83007-221X
L-830-8	300	6.6/20	TA 300626-01	33008	83008-212X
L-830-9	300	20/20	TA 300226-01	33009	83009-222X
L-830-10	300	6.6/6.6	TA 300666-01	33010	83010-1110 83010-211X
L-830-11	300	20/6.6	TA 300266-01		83011-1130 83011-221X
L-830-12	500	6.6/20	TA 500626-01		3012-1120 83012-212X
L-830-13	500	20/20	TA 500226-01	33013	83013-1XXX 83013-222X

L-831--Isolation Transformers, 50Hz

(AC 150/5345-47)

L-831			Manufacturer's catalog number	
Type	Watts	Amperes Pri/Sec	Amerace Corp.(Elastimold Div.)	Crouse-Hinds Navigation Aids
L-831-1	30/45	6.6/6.6	TA 045666-01	33001
L-831-2	30/45	20/6.6		
L-831-3	65	6.6/6.6	TA 065666-01	33003
L-831-4	100	6.6/6.6	TA 100666-01	33004
L-831-5	100	20/6.6		33005
L-831-6	200	6.6/6.6	TA 200665-01	33006
L-831-7	200	20/6.6	TA 200265-01	33007
L-831-8	300	6.6/20		
L-831-9	300	20/20	TA 300225-01	
L-830-10	300	6.6/6.6	TA 300665-01	

L-841--Cabinet, Auxiliary Relay

(AC 150/5345-13A)

Manufacturer	Manufacturer's catalog number
ADB-ALNACO, Inc.	84100-0000
Airport Lighting Control Co.	6300, 6301, 6302, 6303
Associated Engineering Co.	714-841
Crouse-Hinds Navigation Aids	51503
Hughey & Phillips, Inc.	RC41

L-847--Switch, Circuit Selector

(AC 150/5345-5A)

Manufacturer	Type	Class	Rating	Catalog no.
ADB-ALNACO, Inc.	1,2,3,4	A,B	1,2	8470X-0000 (X=1,2,3, or 4)
Crouse-Hinds Navigation Aids	1,2,3,4	A,B	1,2	30847

L-849—Lights, Runway End Identification

(AC 150/5345-51)

Manufacturer	Style	Manufacturer's catalog number
ADB-ALNACO, Inc.	A	84910-0000
	C	84930-0000
	E	84950-0000 (79, 80)
AMERIEL, Inc.	B	AL-849B
	F	AL-849F (72)
Flash Technology Corporation	F	FTS-412-X, FTS-432, FTS-442, FTS-452
	F	FTS-422-x, FTS-434, FTS-444, FTS-454 (76)
Godfrey Engineering Co.	A	GEA-20- (0502, 0504, 0508)
	C	GEA-25-100
	E	GE-3836-003
Multi-Electric Mfg., Inc.	A	551325-M, 551325-S
	E	551327-M, 551327-S (82)
Unitron International Systems	F	VGS-832 (81)

L-850—Lights, Runway, Inpavement

(AC 150/5345-46A)

Manufacturer	Type	Class	Manufacturer's catalog number
ADB-ALNACO, Inc.	A	1,2	850X1-XXXX (29, 52, 55, 56)
	A	1,2	850X1-3XXX (70)
	B	1,2	850X2-XXXX (34, 53, 62)
	B	1,2	850L2-XXXX (41)
	C	2	85023-XXXX (21, 58, 59)
	D	2	85024-XXXX (21, 58, 64)
	E	2	850X5-1XXX (21, 58)
	E	2	850X5-2XXX (64)
	E	2	850X5-3XXX (63)
Crouse-Hinds Navigation Aids	A	1,2	20065, 20075 (35) 20335 (15,54)
	A	1,2	20065-LW, 20075-LW (49)
	A	1,2	20560, 20561 (65)
	B	1,2	20580, 20581 (65)
	B	1,2	20355, 20360 (34, 40)
	B	1,2	20370, 20365 (34, 40)
	C	1,2	20250 20255 (40, 54)
	D	1,2	20260, 20265 (40, 54)
	E	1,2	20480(34,54)

L-852--Lights, Taxiway, Inpavement

(AC 150/5345-46A)

Manufacturer	Type	Class	Manufacturer's catalog number
ADB-ALNACO, Inc.	A	1,2	852X1-XXXX (41, 57)
	B	1,2	852X1-XXXX (41, 42)
	C	1,2	85203-1XXX (41, 42)
	D	1,2	85204-XXXX (42)
	E	2	85205-XXXX (21,36)
	E	2	85215-XXXX (33)
	F	2	85206-XXXX (21)
Crouse-Hinds Navigation Aids	A	1	19505, 19506 (43)
	A	1	19505-LW, 19506-LW (50)
	B	1	19509, 19510 (44)
	B	1	19509-LW, 19510-LW (51)
	A	2	19515 (43), 19515-LW (50)
	A	1,2	19850 (43), 19850-LW (50)
	B	2	19513 (44), 19513-LW (51)
	B	1,2	19855 (44), 19855-LW (51)
	C	1,2	19505-DG, 19506-DG, 19515-DG,
	C	1,2	19850-DG (43)
	D	2	19855-1D, 19855-DG, 19513-DG,
			19509-DG, 19510-DG (44)
	E	2	20550, 20552 (40)

L-853--Markers, Retroreflective

(AC 150/5345-39B)

Manufacturer	Manufacturer's catalog number		
	Centerline marker		Elevated marker
	Style I	Style II	
Amerace Corporation (Signal Products Div.)	96LP	88, 325, 911, 947	
Lift-A-Lite Co.			112 series
Carsonite International Corp.			SMD-300-A
National Airport Equipment Co.			RM series
Pacific Autopost			REPO series AEROPPOST series
Safe-Hit Corp.			SH318 SMA & GP3 series
Safe-Way Sign Co.			1A & 600 series
Unipar, Inc.			EVA series
Valley Illuminators, Inc.			AR-100 series

L-854—Radio Controls

(AC 150/5345-49A)

Manufacturer	Type	Manufacturer's catalog number
ADB-ALNACO, inc.	I	RL-854
Control Industries, -Inc.	I	RC-1T5A
Godfrey Engineering, Inc.	I	GEA90

L-856—Lights, Obstruction, High Intensity

(AC 150/5345-43C)

Manufacturer	System	Manufacturer's catalog number
Flash Technology Corp.	A B	FTB-205A-X FTB-205B-X (77, 78)
EG&G, Inc.	A B	LS-158A LS-158B

L-858—Signs, Runway and Taxiway

(AC 150/5345-44D)

Manufacturer	Type	Size	Style	Class	Mfgr's cat. no.
ADB-ALNACO, Inc.	L-858Y,R	1,2,3	1,2,3,4	1,2	858 XX-XXXX Series
	L-858B	4,5	1,2,3,4	1,2	858 XX-XXXX Series
ATC International, Inc.	L-858Y, R	1,2,3	2,3,4	1,2	80 Series 82 Series
Crouse-Hinds Navigation Aids	L-858Y, R	1,2,3	1,2,3	1,2	60,000 Series
	L-858B	4,5	1,2,3	1,2	60,000 and 62,000 Series
Gafner Machine, Inc.	L-858B	5	2,3	1	0700-9000
Maria Miranda Co.	L-858Y,R,B	1,2,3,4	1,2,3,4	1,2	G-L-858 Series
	L-858B	4	1,2,3	1,2	DM-FL
	L-858B	5	2	2	DM-5-IN
Standard Signs, Inc.	L-858Y,R,B	1 thru 5	1,2,3,4	1,2	CLT Series
	L-858Y,R	1,2,3	1,2,4	1,2	XL/XLT/ULSeries

L-859--Lights, Flashing, Omnidirectional

(AC 150/5345-51)

Manufacturer	Manufacturer's catalog number	Remarks
AMERIEL, Inc.	AL-859F (72)	Style F
Flash Technology Corp.	FTS-427-X,FTS-437,FTS-447,FTS-457 (76)	Style F
Unitron International Systems	VGS-837 (81)	Style F

L-860--Lights, Runway Edge, Low Intensity

(AC 150/5345-46A)

Manufacturer	Manufacturer's catalog number	
	Type L-860	Type L-860E
Crouse-Hinds Navigation Aids	40650 (1)	40650-GR,RG (1)
Godfrey Engineering Inc	GEA-05 (3)(24)	GEA-05 (24)
Manairco, Inc.	2100 (2)(3) 2125 (6)	2250 (5)
National Airport Equipment Co.	L-500C (7) L-510C (8)	L-500R/G (8) L-510R/G (9)

L-861—Lights, Runway & Taxiway Edge, Medium Intensity

(AC 150/5345-46A)

Manufacturer	Type	Manufacturer's catalog number
ADB-ALNACO, Inc.	L-861	861IX-XXXX(10,11,12,14,31,33)
	L-861E	RWL-MIL (10)
	L-861T	RWL-MIE (11);861IX-XXXX(11,33)
	L-861SE	TWL-MIL (10); 861IX-01XX(10,11,12,13,14,31,33) 86103-XXXX (36)
Airport Lighting Co.	L-861	MRL-216,217 (10)
	L-861E	MRL-216,217 (11)
	L-861T	MRL-216 (10)
Appollo Lighting Co.	L-861	0300-2 (10,11,14); 0300-4 (12)
	L-861E	0300-2 (11)
	L-861T	0300-2 (10,14); 0300-4 (12,13)
Crouse-Hinds Navigation Aids	L-861	48375(10,14,18);ERL Model 3 4098(18); 40938(10) Model 4
	L-861E	48375-RG(11,14,17) ERL Model 3; 40938-RG(17) ERL Model 4
	L-861SE	40690, 40775 (16) ERLQ
	L-861T	48375-B(10,14,18) ERL Model 3; 40938-B(18), 40939-B(10) ERL Model 4
Godfrey Engineering Inc.	L-861	GEA-01 (10,14)
	L-861E	GEA-01 (11)
	L-861T	GEA-01 (10,14)
	L-861SE	GEA10-SE (36)
Hughey & Phillips, Inc.	L-861	MS-61 (10); MP-61 (12,14)
	L-861E	MS-61 (11)
	L-861T	MS-61 (10); MP-61 (12,13,14)
Manairco, Inc.	L-861	7100 (10); 8100 (14); 8125 (12)
	L-861E	7250 (11)
	L-861T	7400 (10); 8400 (14); 8425 (13)
Multi-Electric Manufacturing Inc.	L-861	6183,6193 (10); 6183M,6193M (14); 6183H,6193H (19)
	L-861E	6187,6197 (11); 6187H, 6197H (20)
	L-861SE	6387SE, 6397SE(36)
	L-861T	6184,6194 (10);6184M,6194M (14);6184H,6194H (19)
National Airport Equipment Co.	L-861	SL-861 (10); ML-861 (14); MLS-700S, MLS-700B (12) SLQ-700S, SLQ-700B (31,33,39,45)
	L-861E	SL-861 (11);SLQ-700 RSG, SLQ-700BRG (33,45)
	L-861SE	SLQ-910 SRG,SLQ-910 BRG (36)
	L-861T	SL-861T (10); ML-861T (14); MLS-700SB, MLS-700BB (12,13); SLQ-700SB, SLQ-700BB (31,33,39,45); SL-861-PT(10,11)

L-862--Lights, Runway Edge, High Intensity

(AC 150/5345-46A)

Manufacturer	Manufacturer's catalog number	
	Edge	Threshold/end
ADB-ALNACO, Inc.	862XX-XXXX (36) L-862 (22)	6387,6397(21)
Airport Lighting Co.	HRL-213 (22)	
Crouse-Hinds Navigation Aids	48369 (22) 40722 (16)	
Godfrey Engineering, Inc.	GEA-10 (36)(26) GEA-15 (22)	
Hughey & Phillips, Inc.	HL-62 (22)	
Multi-Electric Manufacturing, Inc.	6283, 6293 (22) 6383, 6393 (36)	
National Airport Equipment Co.	H-900 (22) H-910 (36)	

L-866--Lights, Obstruction, Medium Intensity

(AC 150/5345-43C)

Manufacturer	Manufacturer's catalog number	
	White lights	Red lights
Crouse-Hinds Navigation Aids	LS-161 (74) FTB-301-X FTB-317-X FTB-119-X FTB-319-X (75)	41257F, 41257G(48)
EG&G, Inc.		
Flash Technology Corporation		
Hughey & Phillips, Inc.		KG114 Type R(48) KG114 Type F
TWR Lighting, Inc.		Type FB Beacon (48) A1, A2/3, A4/5 controllers

L-867--Light Base, Non-load Bearing

L-868--Light Base, Load Bearing

L-869--Junction Box

(AC 150/5345-42B)

Manufacturer	Type	Size	Class	Manufacturer's catalog number								
				Base	Multiple section base			Extension	Conv.Ring	Cover Plate	Spacer rings	Mu Plat
					Bottom	Middle	Top					
Crouse-Hinds	L-867	B	II	900062-B								

L-867—Light Base, Non-load Bearing—Continued

(AC 150/5345-42B)

Manufacturer	Type	Size	Class	Manufacturer's catalog number								
				Base	Multiple section base			Extension	Conv.Ring	Cover Plate	Spacer rings	Mud Plate
					Bottom	Middle	Top					
Maria Miranda Co.	L-867	B	II	1224PVC				12S-EXT			12ER-	
	L-867	B	II	1224PVC-ADJ								
	L-867	B	I	1224S						12-1-CP-S		
	L-867	D	I	1624S				16S-EXT		16-1-CP-S	16ER-	
	L-868	A	I	1024-2-S				1024-2-EXT		10-2-CP-S		
	L-868	B	I	1224-2-S				1224-2-EXT		12-2-CP-S	1275FR	
	L-868	C	I	1524-2-S				1524-2-EXT		15-2-CP-S		

L-880—Precision Approach Path Indicator

(AC 150-5345-28D)

Manufacturer	Style	Class	Manufacturer's Catalog Number
ADB-ALNACO, Inc.	A	II	8801X-XXXX (66)
	B	II	8802X-XXXX (66)
Crouse-Hinds Navigation Aids	A,B	I,II	26880 (Light unit) (68) 26870 (Power and control unit for Style A systems)
Multi-Electric Manufacturing	A,B	II	5902, 5903 (69)

NOTE:

Multi-Electric L-880 or L-881, made before April 1987, require the FAA-accepted modification from the manufacturer.

L-881—Abbreviated Precision Approach Path Indicator

(AC 150/5345-28D)

Manufacturer	Style	Class	Manufacturer's Catalog Number
ADB-ALNACO, Inc.	A	II	8811X-XXXX (66)
	B	II	8812X-XXXX (66)
Crouse-Hinds Navigation Aids	A,B	I,II	26881 (Light unit) (68) 26870 (Power and control unit for Style A systems)
Multi-Electric Manufacturing	A,B	II	5902, 5903 (69)

L-882—Generic Visual Approach Descent Indicator *

(AC 150/5345-52)

Manufacturer	Equipment Type	Manufacturer's Catalog Number		
		Lamp housing	Adapter unit	Aiming bar
ADB- ALNACO, Inc.	VASI	85100-1000 85100-2000 85100-3000	85101-0000	85102-0000
Crouse-Hinds Navigation Aids	VASI	25950-A 26000-A 25950-AV	26005-A..... 26600.....	26041-A
Hughey & Phillips, Inc.	VASI	VA382, VA384 VA38ST, VA38S	VA38A2	VACB6114
Multi-Electric Manufacturing	VASI	5556C	VA38A4	
			5562C.....	5559

* PAPI systems Types L-880 and L-881 are also approved as Type L-882 systems

L-883—Generic Visual Approach Descent Indicator

(AC 150/5345-52)

Manufacturer	Equipment Type	Manufacturer's Catalog Number		
		Lamp housing	Adapter unit	Aiming bar
Devore Aviation	PLASI I	DA1001-5		
	PLASI II	DA2001-5		
	PLASI I (HELI-PLASI) *	DA1001-7		
	PLASI II (HELI-PLASI) *	DA2001-7		

* Not approved for fixed-wing

Light Structure, Lightweight

(AC 150/5345-45)

Manufacturer	Type	Class	Manufacturer's catalog number
Jaquith Industries, Inc.	1	A	FAM

Medium Intensity Approach Lighting System with Runway Alignment Indicator Lights
(MALSR)

(FAA-E-2325d)

Manufacturer	Component	Manufacturer's catalog number

LAMP DESCRIPTIONS

Lamp	Designation	Watts	Volts	Amps	Lamp manufacturer
(1)	8301	40	120		Yorkville Industries
(2)	15T6	15	120		General Electric, Philips
(3)	15T7C	15	120		Philips
(4)	69A21TS	69	120		General Electric, Sylvania, Philips
(5)	40C9½C/ST	40	120		Sylvania
(6)	25FC	25	120		General Electric, Sylvania
(7)	15A15/CL	15	120		Sylvania
(8)	25A19/GR/CL	25	120		Sylvania
(9)	40A21/GR/CL	40	120		Sylvania
(10)	6.6A/T10/1P	30		6.6	General Electric, Sylvania, Philips
(11)	6.6A/T10/P	45		6.6	General Electric, Sylvania, Philips
(12)	40A/TS	40	120		General Electric, Sylvania, Philips
(13)	25A/CL	25	120		General Electric, Sylvania
(14)	40T10P	40	120		General Electric, Sylvania
(15)	6.6AQ CL/DCR	200		6.6	Sylvania
(16)	20058	115		6.6	Crouse-Hinds
(17)	40732	45		6.6	Crouse-Hinds
(18)	40737	30		6.6	Crouse-Hinds
(19)	HG132PPF	30		6.6	Sylvania
(20)	HG112PPF	45		6.6	Sylvania
(21)	EWR	150		6.6	General Electric
(22)	6.6A/T14/2P	204		6.6	General Electric, Sylvania, Philips
(24)	25T8	25	120		General Electric
(26)	6.6ATSQ/CL2	115		6.6	Sylvania
(29)	48A0071	200		6.6	ADB
(30)	100A21/TS	100	120		General Electric
(31)	EXL	30		6.6	General Electric
(32)	116A21/TS	116	120		General Electric, Philips
(33)	EXM	45		6.6	General Electric
(34)	Q6.6A/T4/DCR	200		6.6	General Electric
(35)	20041-1	200		6.6	Crouse-Hinds
(36)	EVV	120		6.6	General Electric
(39)	55042	30		6.6	Sylvania
(40)	20496	115		6.6	Crouse-Hinds
(41)	48A0039	45		6.6	ADB
(42)	48A0040	65		6.6	ADB
(43)	19464	45		6.6	Crouse-Hinds
(44)	19484	65		6.6	Crouse-Hinds
(45)	55043	45		6.6	Sylvania
(48)	620PS40P	620	120		Philips, Sylvania, GE
(49)	20041-2	125		6.6	Crouse-Hinds
(50)	20521	34		6.6	Crouse-Hinds
(51)	19868	45		6.6	Crouse-Hinds
(52)	58809	125		6.6	Sylvania
(53)	58793	115		6.6	Sylvania
(54)	20538	185		6.6	Crouse-Hinds

LAMP DESCRIPTIONS—Continued

Lamp	Designation	Watts	Volts	Amps	Lamp manufacturer
(55)	58801	200		6.6	Sylvania
(56)	6965	200		6.6	Philips
(57)	6859	30		6.6	Philips
(58)	6292	150		6.6	Philips
(59)	8422	120		6.6	Philips
(60)	MS 400/Vert	400	120		Sylvania
(61)	MVR/VDB 400	400	120		GE
(62)	58746	200		6.6	Sylvania
(63)	Q6.6A/T4/CL	200		6.6	Philips
(64)	40925	175		6.6	Sylvania, Crouse-Hinds
(65)	20624	62		6.6	Crouse-Hinds
(66)	64382	200		6.6	Osram
(67)	Q1000 CL/P	1000	120		GE
(68)	20531	200		6.6	Crouse-Hinds
(69)	T4DCR	200		6.6	Sylvania
(70)	44B1643	100		6.6	ADB-ALNACO, Inc.
(71)	20056	45		6.6	Crouse-Hinds
(72)	3884				Ameriel
(73)	77-3295				EG&G
(74)	77-2818				EG&G
(75)	3843				Flash Technology
(76)	4410				Flash Technology
(77)	4663				Flash Technology
(78)	5877				Flash Technology
(79)	FT34HP				GE
(80)	GN34				Genesis
(81)	UIS31603				Genesis
(82)	550330-14				Multi-Electric
(83)	G01-007				TWR Lighting

SECTION II - FRICTION MEASURING DEVICES

(AC 150/5320-12)

Manufacturer	Friction measuring equipment
Airport Equipment Company AB	Skiddometer BV-11 trailer
K.J. Law Engineers, Inc.	M 6800 Runway Friction Tester Van
Bison Instruments, Inc.	Mark IV Mu Meter Trailer
Saab-Scania AB	Mark II Saab Friction Tester Automobile

SECTION III - AUTOMATIC WEATHER OBSERVING SYSTEMS (AWOS)

(AC 150/5220-16)

Manufacturer	Type	Configuration Identification
ARTAIS	AWOS-I	WEATHER CHECK V-I-B
	AWOS-II	WEATHER CHECK V-2-A
		WEATHER CHECK V-2-B
	AWOS-III	WEATHER CHECK V-3-A
		WEATHER CHECK V-3-B
HANDAR, Inc.	AWOS-I	HANDAR AWOS-I-1
	AWOS-II	HANDAR AWOS-II-2
	AWOS-III	HANDAR AWOS-IIIA-1
		HANDAR AWOS-IIIA-2
QUALIMETRICS	AWOS-I	120-A, 120-B, 130-A, 130-B
	AWOS-II	121-A, 121-B, 131-A, 131-B
	AWOS-III	123-A, 123-B, 133-A, 133-B

APPENDIX 1—ADDRESS LIST OF EQUIPMENT MANUFACTURERS

ADB-ALNACO, Inc.
997 Gahanna Parkway
P.O. Box 30829
Columbus, Ohio 43230
(614) 861-1304

Airport Equipment Company AB
P.O. Box 20079
Bromma, Sweden S-161 20
Telephone: 08871432

U.S. REPRESENTATIVE:
Airteco Equipment, Inc.
P.O. Box 10721
Marina Del Ray, California 90291
(213) 827-7333

Airport Lighting Co.
8 Flintlock Ridge
Simsbury, Connecticut 06070
(203) 658-0401

Airport Lighting Control Co.
P.O. Box 1316
Winter Park, Florida 32790
(305) 629-4402

Amerace Corporation
Elastimold Division
10 Esna Park Drive
Markham, Ontario L3R 1E1
Canada
(416) 475-6000

U.S. REPRESENTATIVE:
Amerace Corporation
P.O. Box 300
Newburgh Road
Hackettstown, New Jersey 07840
(201) 852-1122

Amerace Corporation
Signal Products Division
7542 North Natchez Street
Niles, Illinois 60648
(312) 647-7717

American Insulated Wire Co.
Central Avenue and Freeman Street
Pawtucket, Rhode Island 02862
(401) 726-0700

AMERIEL, Inc.
4110 Shawnee Lane
Atlanta, Georgia 30319
(404) 457-6760

Anaconda-Ericsson, Inc.
Wire and Cable Division
East 8th Street
Marion, Indiana 46952
(317) 664-2321

Appollo Lighting Company
3047 E. 14th Street
Columbus, Ohio 43219
(614) 252-4444

ARTAIS
4660 Kenny Road
Columbus, Ohio 43220
(614) 451-8388

ASEA Kabel AB
P.O. Box 42108
S-126 12 Stockholm
Sweden
46 8 744 60 00

Associated Engineering
1629 E. Sunnyview Avenue
Visalia, California 93291
(209) 732-0760

ATC International, Inc.
3250 N. Sheridan
Tulsa, Oklahoma 74115
(918) 836-1938

Bison Instruments, Inc.
5708 West 36th Street
Minneapolis, Minnesota 55416
(612) 926-1846

Canada Wire and Cable, Ltd.
22 Commercial Road
Toronto, Ontario M4G 1Z4
Canada
(416) 421-0440

U.S. REPRESENTATIVE:
Canada Wire and Cable, Ltd.
11 Golden Shore Drive
Suite 210
Long Beach, California 90802
(213) 436-1156

Carol Cable Co.
1900 North Fifth Avenue
River Grove, Illinois 60171
(312) 456-4000

Carsonite International Corp.
2900 Lockheed Way
Carson City, Nevada 89701
(702) 883-5104

Collyer Insulated Wire Co.
100 Higginson Avenue
Lincoln, Rhode Island 02865
(401) 723-7800

Control Industries, Inc.
409 Lafayette Avenue
Urbana, Ohio 43078
(513) 653-7694

Crouse-Hinds Navigation Aids
1200 Kennedy Road
Windsor, Connecticut 06095
(203) 683-4300

DeVore Aviation Corporation
6104 Kircher Boulevard, N.E.
Albuquerque, New Mexico 87109
(505) 345-8713

Eaton Corporation
9475 Center Road
Fenton, Michigan 48430
(313) 629-5361

EG&G, Inc.
35 Congress Street
Salem, Massachusetts 01970
(617) 745-3200

Essex Group
Power Conductor Division
2601 South Adams Street
Marion, Indiana 46952
(317) 664-6211

Eupen Kabel-Und Gummiwerke AG
Cablerie D'Eupen S.A.
Malmedyer Strasse, 9
4700 Eupen, Belgium
Telephone 087/554771

U.S. REPRESENTATIVE:
ADB-ALNACO, Inc.
997 Gahanna Parkway
P.O. Box 30829
Columbus, Ohio 43230
(614) 861-1304

Fields & Associates
8626 G Street
P.O. Box 6007
Oakland, California 94603
(415) 569-7929

Flash Technology Corporation
55 Lake Street
Nashua, New Hampshire 03060
(603) 883-6500

Gafner Machine, Inc.
103 North 12th Street
P.O. Box 401
Gladstone, Michigan 49837-0401
(906) 428-4800

Godfrey Engineering Inc.
P.O. Box 260803
Tampa, Florida 33685
(813) 855-4428

HANDAR, Incorporated
1380 Borregas Avenue
Sunnyvale, California 94089-1094
(408) 734-9640

Hendrix Wire & Cable Corporation
Milford, New Hampshire 03055
(603) 673-2040

Hevi-Duty Electric Co.
Box 268
Goldsboro, North Carolina 27530-0046
(919) 734-8900

Hi-Tech Cable Corporation
P.O. Box 967
Starkville, Mississippi 39759
(601) 323-8200

Hughey & Philips, Inc.
8511 Lankershim Boulevard
Sun Valley, California 91352-3217
(818) 768-4811

Jaquith Industries, Inc.
East Brighton and Glen Avenues
P.O. Box 780
Syracuse, New York 13205
(315) 478-5700

Joy Industrial Equipment Company
Molded Rubber Products Division
Route 4, Box 156
La Grange, North Carolina 28551
(919) 566-3014

Killark Electric Manufacturing Company
A Subsidiary of Hubbell Incorporated
Electric Way
Christianburg, Virginia 24073
(703) 382-6111

K.J. Law Engineers, Inc.
23660 Research Drive
Farmington Hills, Michigan 48024
(313) 478-3150

The Kerite Co.
49 Day Street
Seymour, Connecticut 06483
(203) 888-2591

Lift-A-Lite
RR #6, Box 227
Country Club Road
Minot, North Dakota 58701
(701) 839-5643

Manairco, Inc.
Box 111
Mansfield, Ohio 44901
(419) 524-2121

Maria Miranda Co.
8275 San Leandro Street
Oakland, California 94621
(415) 635-6551

Mitsubishi Cable Industries, LTD.
New Kokusai Building
4-1 Marunouchi 3-Chome
Chiyodaku
Tokyo, 100, Japan
Telephone: Tokyo (03) 216-1551
U.S. REPRESENTATIVE:
New York Representative Office
Mitsubishi Cable Industries, LTD.
520 Madison Avenue
17th Floor
New York, New York 10022
(212) 888-8180
(800) 262-6200

Molded Electric Products Corp.
464 Pratt Street
Meriden, Connecticut 06450
(203) 235-4424

Multi-Electric Manufacturing, Inc.
4223-43 West Lake Street
Chicago, Illinois 60624
(312) 722-1900

National Airport Equipment Co.
5920 Wayzata Boulevard
Minneapolis, Minnesota 55416
(612) 545-4157

The Okonite Company
P. O. Box 340
Ramsey, New Jersey 07446
(201) 825-0300

Olson Industries, Inc.
P.O. Box 758
Star Route 4
Atkinson, Nebraska 68713
(402) 925-5090

Pacific Autopost, Inc.
P.O. Box 4321
Laguna Beach, California 92652-4321
(714) 494-8100

Pirelli Cable Corporation
800 Rahway Avenue
Union, New Jersey 07083
(201) 687-0250

Philips Lighting Corporation
Philips Square
CN 6800
Somerset, New Jersey 08873-6800
(201) 563-3641

QUALIMETRICS, Inc.
1165 National Drive
Sacramento, California 95834
(916) 923-0055

Reynolds Metal Co.
1941 Reymet Road
Richmond, Virginia 23237
(804) 743-6661

The Rockbestos Co.
285 Nicoll Street
New Haven, Connecticut 06504
(203) 772-2250

Rome Cable Co.
421 Ridge Street
Rome, New York 13440
(315) 337-3000

Royal Electric
Division of Royal Technologies, USA
95 Grand Avenue
Pawtucket, Rhode Island 02862
(401) 722-8600

Saab-Scania AB
Saab Car Division
Department AMSF
Nykoping, Sweden S-611 81
Telephone: 015544517
U.S. REPRESENTATIVE:
Saab-Scania of America, Inc.
One Saab Drive
Orange, Connecticut 06477
(203) 795-5671

Safe-Hit Corporation
1930 West Winton Avenue, Bldg. 11
Hayward, California 94545-9990
(415) 783-6550

Safe-Way Sign Co.
281 Enfield Street
Enfield, Connecticut 06082
(203) 745-1647

Southwire Company
Carrollton, Georgia 30117
(404) 832-6311

Standard Signs, Inc.
3190 East 65th Street
Cleveland, Ohio 44127
(216) 341-5611

Tamaqua Cable Products Corporation
Schuylkill Haven, Pennsylvania 17972
(717) 385-4381

Triangle PWC, Inc.
Box 711
New Brunswick, New Jersey 08903
(201) 745-5500

TWR Lighting, Inc.
P.O. Box 55606
Houston, Texas 77255
(713) 973-6904

Unipar, Inc.
Box 1056
State College, Pennsylvania 16801
(814) 238-6481

Unitron International Systems, Inc.
4405 International Blvd.
Suite B-116
Norcross, Georgia 30093
(404) 923-3185

Universe, Inc.
1833 West Hovey Avenue
Normal, Illinois 61761-4315
(309) 454-5665

Valley Illuminators, Inc.
Box 88866
Tuckwila, Washington 98188
(206) 564-2067

Westinghouse Canada Inc.
Box 510
Hamilton Ontario
L8N 3K2, Canada
(416) 528-8811

U.S. REPRESENTATIVE:
Mr. R.A. Williams
Manager of Industrial Sales
Westinghouse Electric Corporation
2040 Ardmore Blvd.
Pittsburgh, Pennsylvania 15221
(412) 636-3233

DATE 4/4/80

ADVISORY CIRCULAR



DEPARTMENT OF TRANSPORTATION
Federal Aviation Administration
Washington, D.C.

Subject: PLANNING AND DESIGN OF AIRPORT TERMINAL BUILDING FACILITIES AT
NONHUB LOCATIONS

1. PURPOSE. This advisory circular provides guidance material for the planning and design of airport terminal buildings at nonhub locations.
2. RELATED READING MATERIAL. Appendix 1 contains a listing of documents containing supplemental material relating to terminal building planning and design. Ordering information is also contained therein.
3. BACKGROUND. Advisory Circular (AC) 150/5360-7, Planning and Design Considerations for Airport Terminal Building Development, provides guidance for the planning and design of airport terminals. The material contained within it is applicable to all airports serving air carriers, regardless of size. Because of this wide range of coverage, the material is necessarily very general in nature and of limited usefulness in providing detailed planning guidance, particularly for less sophisticated, low activity airports. To remedy this, a contract was awarded to the airport facility consulting firm of Arnold Thompson Associates, Inc., to provide assistance in the development of guidance material for the planning of terminal building facilities at nonhub locations. The nonhub category of airports was chosen as it represents a range of airports with relatively unsophisticated and uniform characteristics. The results of this contractual effort are presented in this circular.

A handwritten signature in dark ink, reading 'William V. Vitale'.

WILLIAM V. VITALE
Director, Office of Airport Standards

Initiated by: AAS-200

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L-869--Junction Box

(AC 150/5345-42B)

Manufacturer	Type	Size	Class	Manufacturer's catalog number								
				Base	Multiple section base			Extension	Conv.Ring	Cover Plate	Spacer rings	Mud Plates
					Bottom	Middle	Top					
L-867 ts	L-867	B	II	900062-B								

AC 150/5345-1U