



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

FEDERAL AVIATION ADMINISTRATION - PARTS MANUFACTURER APPROVAL

**AeroLEDs, LLC
8475 W Elisa St
Boise, ID 83709**

**PMA NO. PQ5259NM
SUPPLEMENT NO. 17
DATE: July 31, 2020**

Article Name	Article Number	Approved Replacement for Article Number	Approval Basis & Approved Design Data	Make/TCH Eligibility	Model/Series Eligibility
LIGHT-ASSY, Polaris 12V	11-7512-12	A7512-12 W1290-14 T7512-12 CMA7512-12 ML7512-12 UA-7512-12	Test and Computation per 14 CFR 21.303 <u>DWG No:</u> 11-7512-12 <u>Rev:</u> A <u>Dated:</u> 6/17/2019 or later FAA-approved revisions	Textron Aviation	19A, B23, B19, C23, M19A, A24, 23, A24R, A23, B24R, A23A, C24R, A23-19, A23-24 35, 35R, A35, B35, C35, D35, E35, F35, G35 35-33, J35, 35-A33, K35, 35-B33, M35, 35- C33, N35, 35-C33A, P35, E33, S35, E33A, V35, E33C, V35A, F33, V35B, F33A, 36, F33C, A36, G33, A36TC, H35, B36TC, G36 50 (L-23A), D50E- 5990, B50 (L-23B), E50 (L-23D, C50 RL- 23D), D50 (L-23E), F50, D50A, G50, D50B, H50, D50C, J50, D50E B95A, D55, D95A, D55A, E95, E55, 95-55, E55A, 95-A55, 56TC, 95-B55, A56TC, 95- B55A, 58, 95-B55B (T- 42), 58A, 95-C55, 95, 95-C55A, B95, G58
				Textron Aviation Inc.	120, 140 140A 150, 150J, 150A, 150K, 150B, A150K, 150C, 150L, 150D, A150L, 150E, 150M, 150F, A150M, 150G, 152, 150H, A152 170, 170A, 170B 172, 172I, 172A, 172K, 172B, 172L, 172C, 172M, 172D, 172N, 172E, 172P, 172F (USAF T-41A), 172Q,

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					172G, 172R, 172H (USAF T-41A), 172S
					175, 175A, 175B, 175C, P172D, R172E (USAF T-41B) (USAF T-41C or D), R172F (USAF T-41D), R172G (USAF T-41C or D), R172H (USAF T-41D), R172J, R172K, 172RG
					177, 177A, 177B
					177RG
				Textron Aviation	F177RG,
				Textron Aviation Inc.	180, 180A, 180B, 180C, 180D, 180E, 180F, 180G, 180H, 180J, 180K
					182, 182A, 182B, 182C, 182D, 182E, 182F, 182G, 182H, 182J, 182K, 182L, 182M, 182N, 182P, 182Q, 182R, 182S, 182T, T182, T182T, R182, TR182
					185, A185E, 185A, A185F, 185B, 185C, 185D, 185E
					188, 188A, 188B, A188, A188A, A188B, T188C
					200, A100-1 (U-21J), 200C, A200 (C-12A), 200CT, A200 (C-12C), 200T, A200C (UC-12B), B200, A200CT (C-12D), B200C, A200CT (FWC-12D), B200CT, A200CT (C-12F), B200T, A200CT (RC-12D), 300, A200CT (RC-12G), 300LW, A200CT (RC-12H), B300, A200CT (RC-12K), B300C, A200CT (RC-12P), B300C (MC-12W), A200CT (RC-12Q), B300C (UC-12W), B200C (C-12F), 1900, B200C (UC-12M), 1900C, B200C (C-12R), 1900C (C-12J), B200C (UC-12F), 1900D, B200GT, B200CGT
					190 (LC-126A,B,C),

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					195, 195A, 195B
					206, U206B, TP206D, P206, U206C, TP206E, P206A, U206D, TU206A, P206B, U206E, TU206B, P206C, U206F, TU206C, P206D, U206G, TU206D, P206E, TP206A, TU206E, U206, TP206B, TU206F, U206A, TP206C, TU206G, 206H, T206H
					207, 207A, T207, T207A
					210, 210K, 210A, T210K, 210B, 210L, 210C, T210L, 210D, 210M, 210E, T210M, 210F, 210N, T210F, P210N, 210G, T210N, T210G, 210R, 210H, P210R, T210H, T210R, 210J, 210-5 (205), T210J, 210-5A (205A)
					310, 310J, 310A (USAF U-3A), 310J-1, 310B, E310J, 310C, 310K, 310D, 310L, 310E (USAF U-3B), 310N, 310F, 310P, 310G, T310P, 310H, 310Q, E310H, T310Q, 310I, 310R, T310R
					320, 320F, 320-1, 335, 320A, 340, 320B, 340A, 320C, 320D, 320E
				Piper Aircraft Inc.	J3C-40, J3C-50, J3C-50S, J3C-65, J3C-65S, PA-11, PA-11S
					PA15
					PA-16, PA-16S
					PA-17
					PA-18, PA-18S, PA-18 "105" (Special), PA-18S "105" (Special), PA-18A, PA-18 "125" (Army L-21A), PA-18S "125", PA-18AS "125", PA-18 "135" (Army L-21B), PA-18A "135", PA-18S "135", PA-18AS "135", PA-18 "150", PA-18A "150", PA-18S "150", PA-18AS "150", PA-19

Article Name	Article Number	Approved Replacement for Article Number	Approval Basis & Approved Design Data	Make/TCH Eligibility	Model/Series Eligibility
					(Army L-18C), PA-19S
					PA-20, PA-20S, PA-20 "115", PA-20S "115", PA-20 "135", PA-20S "135"
					PA-22, PA-22-108, PA-22-135, PA-22S-135, PA-22-150, PA-22S-150, PA-22-160, PA-22S-160
					PA-23, PA-23-160, PA-23-235, PA-23-250, PA-23-250(Navy UO-1), PA-E23-250
					PA-24, PA-24-250, PA-24-260, PA-24-400
					PA-28-140, PA-28-151, PA-28-150, PA-28-161, PA-28-160, PA-28-181, PA-28-180, PA-28R-201, PA-28-235, PA-28R-201T, PA-28S-160, PA-28-236, PA-28S-180, PA-28RT-201, PA-28R-180, PA-28RT-201T, PA-28R-200, PA-28-201T
					PA-30, PA-39, PA-40
					PA-32-260, PA-32R-301 (SP), PA-32-300, PA-32R-301 (HP), PA-32S-300, PA-32R-301T, PA-32R-300, PA-32-301, PA-32RT-300, PA-32-301T, PA-32RT-300T, PA-32-301FT, PA-32-301XTC
				FS 2003 Corp.	PA-12, PA-12S
				FS 2002 Corp.	PA-14
				American Champion (Bellanca) (Champion) (Aeronca) (Trytek)	7AC, 7ACA 7EC, 7GCB, S7AC, S7EC, 7GCBA, 7BCM (L-16A), 7ECA, 7GCBC, 7CCM (L-16B), 7FC, 7HC, S7CCM, 7GC, 7JC, 7DC, 7GCA, 7KC, S7DC, 7GCAA, 7KCAB
					8GCBC, 8KCAB
					11AC, S11AC, 11BC, S11BC
					402
					11CC, S11CC

Article Name	Article Number	Approved Replacement for Article Number	Approval Basis & Approved Design Data	Make/TCH Eligibility	Model/Series Eligibility
				Mooney	M20, M20A, M20B, M20C, M20D, M20E, M20F, M20G, M20J, M20K, M20L, M20M, M20R, M20S, M20TN, M20U, M20V
				Mooney	CC46M-2, CC46M-2A
				Mooney	M22
				Monocoupe	90AF-100, 90AF, 90AL-115, 90A, 90 Lambert R-266
				Aviat Aircraft Inc.	A-1, A-1A, A-1B, A-1C-180, A-1C-200 S-1S, S-1T, S-2A, S-2B, S-2C, S-2S, S-2
				Air Tractor	AT-250, AT-300, AT-301, AT-302, AT-400A, AT-400 AT-401, AT-401A, AT-401B, AT-402, AT-402A, AT-402B, AT-501, AT-502, AT-502A, AT-502B, AT-503, AT-503A, AT-504 AT-602, AT-802A, AT-802
LIGHT-ASSY, Polaris 24V	11-7512-24	W1290-28 T7512-24 CMA7512-24 A7512-24 ML7512-24 972.72.54.508 MIL-L-6363/2 6240-01-390-4921 6240-01-143-8650 MS25309-7512 AN3122-1524 1524 040-0046 753-478	Test and Computation per 14 CFR 21.303 <u>DWG No:</u> 11-7512-24 <u>Rev:</u> A <u>Dated:</u> 6/17/2019 or later FAA-approved revisions	Textron Aviation	19A, B23, B19, C23, M19A, A24, 23, A24R, A23, B24R, A23A, C24R, A23-19, A23-24 35, 35R, A35, B35, C35, D35, E35, F35, G35 35-33, J35, 35-A33, K35, 35-B33, M35, 35-C33, N35, 35-C33A, P35, E33, S35, E33A, V35, E33C, V35A, F33, V35B, F33A, 36, F33C, A36, G33, A36TC, H35, B36TC, G36 50 (L-23A), D50E-5990, B50 (L-23B), E50 (L-23D, C50 RL-23D), D50 (L-23E), F50, D50A, G50, D50B, H50, D50C, J50, D50E B95A, D55, D95A, D55A, E95, E55, 95-55, E55A, 95-A55, 56TC, 95-B55, A56TC, 95-

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					B55A, 58, 95-B55B (T-42), 58A, 95-C55, 95, 95-C55A, B95, G58
				Textron Aviation Inc.	120, 140 140A
					150, 150J, 150A, 150K, 150B, A150K, 150C, 150L, 150D, A150L, 150E, 150M, 150F, A150M, 150G, 152, 150H, A152
					170, 170A, 170B
					172, 172I, 172A, 172K, 172B, 172L, 172C, 172M, 172D, 172N, 172E, 172P, 172F (USAF T-41A), 172Q, 172G, 172R, 172H (USAF T-41A), 172S
					175, 175A, 175B, 175C, P172D, R172E (USAF T-41B) (USAF T-41C or D), R172F (USAF T-41D), R172G (USAF T-41C or D), R172H (USAF T-41D), R172J, R172K, 172RG
					177, 177A, 177B
					177RG
				Textron Aviation	F177RG
				Textron Aviation Inc.	180, 180A, 180B, 180C, 180D, 180E, 180F, 180G, 180H, 180J, 180K
					182, 182A, 182B, 182C, 182D, 182E, 182F, 182G, 182H, 182J, 182K, 182L, 182M, 182N, 182P, 182Q, 182R, 182S, 182T, T182, T182T, R182, TR182
					185, A185E, 185A, A185F, 185B, 185C, 185D, 185E
					188, 188A, 188B, A188, A188A, A188B, T188C
					200, A100-1 (U-21J), 200C, A200 (C-12A), 200CT, A200 (C-12C), 200T, A200C (UC-12B), B200, A200CT (C-12D), B200C,

Article Name	Article Number	Approved Replacement for Article Number	Approval Basis & Approved Design Data	Make/TCH Eligibility	Model/Series Eligibility
					A200CT (FWC-12D), B200CT, A200CT (C- 12F), B200T, A200CT (RC-12D), 300, A200CT (RC-12G), 300LW, A200CT (RC- 12H), B300, A200CT (RC-12K), B300C, A200CT (RC-12P), B300C (MC-12W), A200CT (RC-12Q), B300C (UC-12W), B200C (C-12F), 1900, B200C (UC-12M), 1900C, B200C (C- 12R), 1900C (C-12J), B200C (UC-12F), 1900D, B200GT, B200CGT
					190 (LC-126A,B,C), 195, 195A, 195B
					206, U206B, TP206D, P206, U206C, TP206E, P206A, U206D, TU206A, P206B, U206E, TU206B, P206C, U206F, TU206C, P206D, U206G, TU206D, P206E, TP206A, TU206E, U206, TP206B, TU206F, U206A, TP206C, TU206G, 206H, T206H
					207, 207A, T207, T207A
					210, 210K, 210A, T210K, 210B, 210L, 210C, T210L, 210D, 210M, 210E, T210M, 210F, 210N, T210F, P210N, 210G, T210N, T210G, 210R, 210H, P210R, T210H, T210R, 210J, 210-5 (205), T210J, 210-5A (205A)
					310, 310J, 310A (USAF U-3A), 310J-1, 310B, E310J, 310C, 310K, 310D, 310L, 310E (USAF U-3B), 310N, 310F, 310P, 310G, T310P, 310H, 310Q, E310H, T310Q, 310I, 310R, T310R
					320, 320F, 320-1, 335, 320A, 340, 320B, 340A, 320C, 320D, 320E
					401, 411A, 401A, 414,

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					401B, 414A, 402, 421, 402A, 421A, 402B, 421B, 402C, 421C, 411, 425
				Textron Aviation	65 (L-23F), 65-A90-1 (JU-21A), A65 (U-21A), A-65-8200, (RU-21A), 65-80, (RU-21D), 65-A80, (U-21G), 65-A80-8800, (RU-21H), 65-B80, 65-A90-2 (RU-21B), 65-88, 65-A90-3 (RU-21C), 65-90, 65-A90-4 (RU-21E), 65-A90, (RU-21H), 70, C90, B90, C90A, E90, C90GT, H90 (T-44A), C90GTi
				Piper Aircraft Inc.	J3C-40, J3C-50, J3C-50S, J3C-65, J3C-65S, PA-11, PA-11S
					PA15
					PA-16, PA-16S
					PA-17
					PA-18, PA-18S, PA-18 "105" (Special), PA-18S "105" (Special), PA-18A, PA-18 "125" (Army L-21A), PA-18S "125", PA-18AS "125", PA-18 "135" (Army L-21B), PA-18A "135", PA-18S "135", PA-18AS "135", PA-18 "150", PA-18A "150", PA-18S "150", PA-18AS "150", PA-19 (Army L-18C), PA-19S
					PA-20, PA-20S, PA-20 "115", PA-20S "115", PA-20 "135", PA-20S "135"
					PA-22, PA-22-108, PA-22-135, PA-22S-135, PA-22-150, PA-22S-150, PA-22-160, PA-22S-160
					PA-23, PA-23-160, PA-23-235, PA-23-250, PA-23-250(Navy UO-1), PA-E23-250
					PA-24, PA-24-250, PA-24-260, PA-24-400
					PA-28-140, PA-28-151,

Article Name	Article Number	Approved Replacement for Article Number	Approval Basis & Approved Design Data	Make/TCH Eligibility	Model/Series Eligibility
					PA-28-150, PA-28-161, PA-28-160, PA-28-181, PA-28-180, PA-28R-201, PA-28-235, PA-28R-201T, PA-28S-160, PA-28-236, PA-28S-180, PA-28RT-201, PA-28R-180, PA-28RT-201T, PA-28R-200, PA-28-201T
					PA-30, PA-39, PA-40
					PA-31, PA-31-300, PA-31-325, PA-31-350
					PA-32-260, PA-32R-301 (SP), PA-32-300, PA-32R-301 (HP), PA-32S-300, PA-32R-301T, PA-32R-300, PA-32-301, PA-32RT-300, PA-32-301T, PA-32RT-300T, PA-32-301FT, PA-32-301XTC
				FS 2003 Corp.	PA-12, PA-12S
				FS 2002 Corp.	PA-14
				American Champion (Bellanca) (Champion) (Aeronca) (Trytek)	7AC, 7ACA 7EC, 7GCB, S7AC, S7EC, 7GCBA, 7BCM (L-16A), 7ECA, 7GCBC, 7CCM (L-16B), 7FC, 7HC, S7CCM, 7GC, 7JC, 7DC, 7GCA, 7KC, S7DC, 7GCAA, 7KCAB
					8GCBC, 8KCAB
					11AC, S11AC, 11BC, S11BC
					402
					11CC, S11CC
				Mooney	M20, M20A, M20B, M20C, M20D, M20E, M20F, M20G, M20J, M20K, M20L, M20M, M20R, M20S, M20TN, M20U, M20V
				Mooney	CC46M-2, CC46M-2A
				Mooney	M22
				Monocoupe	90AF-100, 90AF, 90AL-115, 90A, 90
					Lambert R-266

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				Aviat Aircraft Inc.	A-1, A-1A, A-1B, A-1C-180, A-1C-200 S-1S, S-1T, S-2A, S-2B, S-2C, S-2S, S-2
				Air Tractor	AT-250, AT-300, AT-301, AT-302, AT-400A, AT-400 AT-401, AT-401A, AT-401B, AT-402, AT-402A, AT-402B, AT-501, AT-502, AT-502A, AT-502B, AT-503, AT-503A, AT-504 AT-602, AT-802A, AT-802
				Twin Commander	560-F, 685, 680, 690, 680E, 690A, 680F, 690B, 680F(P), 690C, 680FL, 690D, 680FL(P), 695, 680T, 695A, 680V, 695B, 680W, 720, 681
				Pilatus Aircraft LTD.	PILATUS PC-12, PILATUS PC-12/45, PILATUS PC-12/47, PILATUS PC-12/47E

-----**END OF LISTING**-----

GENERAL NOTES:

Provide minor design changes in a manner as determined by the ACO. Process major design changes to drawings and specifications in the same manner as that for an original FAA-PMA.

The FAA accepted the ICA approach for the above articles with their designs. These ICA may refer to those of the respective articles from the holders of type certificates. Otherwise, provide supplemental ICA for differences in the replacement articles. Make referral statements or supplemental ICA readily available per 14 CFR § 21.50.

//Signature on File//

For Ian Won, Manager
Seattle ACO Branch

James Hampton
Aviation Safety Inspector, Seattle MIDO Section
System Oversight Division
Aircraft Certification Service