

AGI - DOS**Bug Report:****Bugs to be Repaired:**

- Laura Bagley from Widelite cannot unpack files with version 2.95. Invalid photometric files and group file error with any photometry (including our generic files)
- Using an ACAD 14 version DXF can cause stray lines to appear all over the DXF file when merged into AGI. ACAD 12 DXFs do not cause this problem.
- Why not save the 'header' information from Text:Quick Print with the file as opposed to the last used.
- Using Edit_text - changing a text string to fewer chrs will cause the string to continue to recognize the length of the previous string. Causes problems with plotting etc.
- Not again... Sterner sent a file 840019.pak (in your temp directory) that has a P-mirror problem. I deleted 3 of four quads and remirrored. Most lums retain relationship but a few do not (2 of 4 etc). He placed some of them with snap off.... These appear to be the ones that don't work.
- Ability to print 'details' when packing files (packing large number of files)
- typing orientation angle using &Orient does not work. It usually drops the luminaire at some random angle but can also give (9)Overflow.
- Demo disk - "wish" misspelled in Demo Status message (wisk).
- NEC Laptop 'Versa 6200 MX' won't run AGI full screen under Win95
- DXF: AGI file has two calc planes and one calc line. One of the calc planes is a vertical plane. When I import the dxf file into AutoCAD, the calc line values come into the drawing as a vertical surface. The values look like a line with a dot in the middle.
- Adding a reflective or a obstructive plane does not trigger a re-calc or change the calculation plane values back to zero. Closed objects, Inserts and Vertical Extrusions do cause the calc points to reset to zero.
- I have two luminaires stacked and with the same aiming points. I also have two parametric mirrors, so there are 8 luminaires in all. I delete the two luminaires using the delete-window function. The two that are in the window are deleted but three remain, one left in each of the other quadrants.
- When two luminaires are stacked with different aiming points. Move-One function grabs the last one to be entered. Re-Aim function grabs the first one to be entered.
- Robert Asch - Tech Light reports that transparent panning used multiple times within the LumDelete command causes his system to lock up repeatedly.
- With snapat .01, the coordinate readout at the top of the screen is displaying an exponential number. When you move from zero up to .10 the display reads 9.99999 when it should read .09. I know this is petty but a customer from Sterner was the one who pointed it out.
- The park.agi file is not included on the 2.95 version. (in the samples directory). This file is used for several examples in the book.
- Error 67 - 'too many files' importing DXF - machine was using RAM drive for temp files with 512 file limit. Bump files in ramdrive line of config.sys to 1024
- FINDING FILES: AGI can't find directories on a network drive - Under Win NT you can set an 'Archive bit' on a directory (don't ask). AGI won't see directories with archive bits set. Remove archive bits to fix the problem.
- Map colors switch does not support ACAD's 'color by layer' ability
- Graphics card problem - the STB 'Velocity 3D' w/ 8mb would not allow AGI to run from shortcut in W95. It would run fine in dos boot. Blank screen after IRS
- Locations with fixed tilt (no aiming vector) - selecting luminaires, aiming point is selected even though it is not visible (see FABRI5.AGI in \AGI\TEMP). Work around - select single, not window.
- Received a file from Alex Rozenburg that had problems with assymetry in the calc plane when objects within the file were symmetrical. The object in question was a closed ceiling with a hole in the middle. The object was created as 1 donut closed object and two u shaped closed objects, with different assymmetrical results each time. See me or Dave for file. Note: Same problem was reproduced when creating the file from scratch.
- Some versions of Win95 don't recognize the Alt Tab command to minimize AGI. Instead, these users must use the Windows key to minimize AGI. Also, Tim Clark reported that when he tabs out of AGI, the keyboard stops functioning altogether until the machine is rebooted.
- Pakagi - strange as it may sound. mark cannot pak files with versionn 2.92 installed in c:\agi - but - he installed 2.92 in another directory (c:\aggi) and it paks everything fine. photometry is all over but he couldn't even pak w/sample files. (invalid) photometric file eror.
- Commas in luminaire Description can cause file not ot PAK - Can not reproduce.
- Command section (below graphics window) changes colors (blue) when entering data from keyboard or mouse. After

Bugs to be Repaired: (continued)

command is complete, color return to black (>>>Select Command). Alex Rossenberg (Who else!) 10-DEC-96.
Could not reproduce.

- Draw:Set_color - Two colors are selected for line color. Could not reproduce. Darren Couch 9-DEC-96.
- "Unable to create BAK file" running under Windows95 with plenty of disk space (Jodie Goode - 21-Nov-96).
Another user had same problem - eventually got (67) Too many files. Saved file to different folder - no problem!
Brian Small - Stanpro SEE resolution
- Problem calling/saving files to folders with a period in the folder name (i.e. - Folder.test). Generally produces an
"Unable to create BAK file" message.
- Folder called 'Bransome' in your temp contains zip of agi file that cannot be packed. I deleted all defined luminaires
and it packs. But define just one luminaire (any luminaire) and it gives invalid photo file error.

Other Bugs and Problems:

- (05) ILLEGAL FUNCTION CALL: Attempting to MERGE_DXF file created from UNIX based CPU - SEE RESOLUTION.
- (05) ILLEGAL FUNCTION CALL: Dual monitor system - monochrome & color.
- (05) ILLEGAL FUNCTION CALL: End of install - can't shell to DOS to unpack README.PAK. Booted from floppy that is out of drive.
- (05) ILLEGAL FUNCTION CALL: Problem with IIT 3C87, Coprocessors and PDS v-7 - SEE RESOLUTION.
- (05) ILLEGAL FUNCTION CALL: Starting program: If IRS comes up - possibly not VGA video. If IRS does not come up, possibly no HIMEN.SYS.
- (06) OVERFLOW: Attempting to run AGI - AGISETUP.DAT corrupted (not sure how). Re-install or copy AGISETUP.DAT from master disk.
- (06) OVERFLOW: DXF file from Microstation that had \$1units = 262146
- (06) OVERFLOW: Z-coordinates in DXF file at some huge number (i.e. - 1.234E99).
- (06) OVERFLOW: Entering an orientation angle from the keyboard
- (09) SUBSCRIPT OUT OF RANGE: Merging large AGI files - couldn't reproduce.
- (09) SUBSCRIPT OUT OF RANGE: Too many obstructive or reflective surface - SEE RESOLUTION.
- (11) DIVISION BY ZERO: Occurred after installing. Somehow AGISETUP.DAT file got corrupt (or erased).
Partial file or 0 bytes in file.
- (11) DIVISION BY ZERO: Roadway - Calculating luminance as opposed to illuminance (invalid luminance value - too big).
- (14) OUT OF STRING SPACE: Complex jobs with lots of objects or shapes. Not enough space for all arrays - SEE RESOLUTION.
- (52) BAD FILE NUMBER - Invalid tempPath\$ (typically followed or preceded by a (64) Bad File Name error).
- (52) BAD FILE NUMBER: Creating DXF - file was transferred without packing (could not locate a luminaire).
- (52) BAD FILE NUMBER: Trying to output - driver file is corrupt (.PDR). Copy driver file from master disk (\DRIVERS).
- (53) FILE NOT FOUND: Defined luminaire groups not being used. Deleted unused groups - worked OK. Occurred with version 2.64.
- (53) FILE NOT FOUND: Demo Version - not enough disk space to create temp files.
- (53) FILE NOT FOUND: ENGLISH file delete (by user) - SEE RESOLUTION.
- (53) FILE NOT FOUND: Loading file, group file not found.
- (53) FILE NOT FOUND: Merging DXF with unnamed blocks.
- (53) FILE NOT FOUND: Making DXF - AGI file was transferred to another machine without packing. One of the photometric files can not be found (may be able to calculate if the file is not being used).
- (61) OUT OF DISK SPACE: Not enough space allocated on RAM drive or not enough directory entries.
- (62) INPUT PAST END: Attempting to add a luminaire. Incomplete luminaire symbol file (possibly a custom symbol).
- (62) INPUT PAST END: Attempting to output - Delete all .VLS files, may need to copy driver file from master disk (problem is either with VLS for DRV file).
- (62) INPUT PAST END: Opening file. Symbol file(s) corrupt. May occur after unpacking files (corrupt file may be in packed file - overwrites when unpacking).
- (63) BAD RECORD NAME: Room:Estimator - Photometric file can no longer be found.
- (64) BAD FILE NAME: Invalid tempPath\$ (typically followed or preceded by a (52) - Bad File Number Error) - SEE RESOLUTIONS.
- (68) DEVICE UNAVAILABLE: Loading file, device where group file was created no longer exists.

Other Bugs and Problems: (continued)

- (76) PATH NOT FOUND: Loading file, directory where group file was created no longer exists.
- ACAD 12 w/3rd party menu system 'Allegro' won't start with new drawing even when no prototype is selected
- BAD COMMAND OR FILENAME: Running PAKAGI or UNPAKAGI - PAK.EXE is not present
- CALCULATED VALUES: Leak phenomena - possible to light on "dark" side of a reflective object if emitter is partially located on "light" side of object.
- CALCULATED VALUES: Rows or columns of 0's; Plane of calc on skewed surface - skewed surface phenomena' - SEE RESOLUTION.
- DIGITIZER: Calculated scale is correct, however, lines are drawn imcorrectly (skewed) - SEE RESOLUTION.
- DIGITIZER: Calculated scale is incorrect. Resolution of digitizer is in metric (i.e. - lines per millimeter instead of lines per inch).
- DIGITIZER: Constantly accessing hard drive when moving digitizer stylus. Installing SMARTDRV seems to cure problem.
- DIGITIZER: Digitizer locks up after drawing a couple of segments - SEE RESOLUTION.
- DIGITIZER: Jumpy cursor - SEE RESOLUTION.
- DIGITIZER: Not sending data with Intel trident ASUS motherboard (on board COM ports) 22-JUL-96
- DRAW: Stray lines while drawing in elevation view. Drawint too fast! Can't set proper coordinates in time.
- DXF related: Unable to get "new" drawing in AutoCad even if no prototype is selected. Loading AutoCad through an overlay program or something.
- DXF: "Invalid block name" - importing AGI DXF file into CAD - SEE RESOLUTION.
- DXF: "Invalid table entry" - importing AGI DXF into CAD. Invalid layer name (i.e. - (LABEL) a).
- DXF: "Syntax error or premature end of file on linexxxx" attempting to input DXF file into CAD - SEE RESOLUTION.
- DXF: Layers to load are scrambles - SEE RESOLUTION.
- DXF: Only part or none of drawing appears - SEE RESOLUTION.
- DXF: Text appears "spirally" from same point at variable size and rotation angle - SEE RESOLUTION.
- DXF: Blocks inserted in "off" layers are included in the DXF files (block may consist of entities on layers that are "on").
- DXF: Garbage in layers list after selecting file. DXF file is improperly formatted (does not contain carriage return + line feed delimiter after ever piece of data). Problem occurred with file from MiniCad6. File can be corrected by loading into MS-Word and saving as a MS-DOS text file.
- INSTALLATION: "Internal error" at end of installation procedure - no match coprocessor.
- INSTALLATION: Files not copied, '(53) file not found', etc. Possible installing from an assigned drive - SEE RESOLUTION.
- INSTALLATION: Joe Frey had a disk that would not install correctly over an older version of AGI. Disk worked w/out problem inhouse.
- ISOLINE: Isolines do not appear - missing points in plane of calculation - SEE RESOLUTION.
- ISOLINE: System crashes when opening isoline dialog or after clicking <OK> in isoline dialog. Could also scroll screen - SEE RESOLUTIONS.
- Lock-up in 'select-a-file' when changing directory. Too many directories and/or drives. Happened to Alex - he had a very complex tree structure and 10-15 mapped drives. Eliminate a drive or directory too illeviate the problem.
- LUMINAIRE: "Invalid photometric file" - SEE RESOLUTION.
- Maximun or minimum value is not shown (hole in grid). Problem could be color of max and/or min value (color 12 causes this problem, for example)
- MISCELLANEOUS: First luminaire disappears after adding second luminaire - cant reproduce - SEE RESOLUTION.
- MISCELLANEOUS: Generally slow operation on network - SEE RESOLUTION.
- MISCELLANEOUS: Lock-up after entering AGI (flashing cursor below AGI). TempPath\$ set to a device or drive that does not exist.
- MISCELLANEOUS: Lock-up after program loads. Problem with mouse driver MS Mouse 9.0 and Gateway Pentium - SEE RESOLUTION.
- MISCELLANEOUS: Mouse will not go into command section screen - SEE RESOLUTION.
- MISCELLANEOUS: Random craxhes, lock-ups, ets. - SEE RESOLUTIONS.
- MISCELLANEOUS: Scrambled photometric file that was working properly - SEE RESOLUTION.
- MISCELLANEOUS: Slow load of "open file" window. Pops-up, few seconds later files show up - SEE RESOLUTIONS.

Other Bugs and Problems: (continued)

- OUTPUT: HP LaserJet printers - 'Printer overrun', page protection not set
- OUTPUT: Problem with HP PaintXL300 not accessing 11x17 media - SEE RESOLUTION.
- OUTPUT: Quick print does work with Postscript printers. Does not understand simply print statements (like a plotter).
- OUTPUT: Stray lines on output - SEE RESOLUTION.
- OUTPUT: No output with Deskjet printer (may just eject page and not print graphics). Occurs on some printers (perhaps with older bios?!). In driver file, change final string from; 27chr+E to 27chr+*rbC+27chr+E.
- OUTPUT:CONFIGURE; When testing, number of pages is some huge number (i.e. 830). Current units are set to meters, set to feet to run test.
- PAKAGI: "Bad command or filename". PAK.EXE is not present.
- PAKAGI: "Device I/O in line" "Not enough memory to uncompress". Real problem is "Data error reading drive #". Disk is bad!
- PAKAGI: Corrupt PAK file due to bad photometric file(had additional information after EOF marker) - SEE RESOLUTION.
- Placing a luminaire in elevation view can cause a problem. If coordinates are not set (calc routine to translate elevation coordinates); luminaire is placed at a bogus y-coordinate. Zoom:Extents shows dots. Remedy - place luminaires after coordinates are set (place slowly).
- TEMPLATE: "Out temporary space" can occur if low on temp space and creating multiple templates or templates for tilted luminaire - SEE RESOLUTION>
- TEMPLATE: Appears to be offset from luminaire - DXF file is located a long way from (0,0), not enough significant digits
- TEXT: Labeling luminaires in skewed view does not work. Do it plan view.
- TEXT: Text looks boxed or "Greek". Text is located a long way fro 0,0 - SEE RESOLUTION.
- VIEW/ZOOM: Drawing disappears or is a dot after selecting extents - SEE RESOLUTION.

Fixed bugs:

Fixed Release

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| •ACAD color = 1 (Red) is mapped to color = 12 (bright red) which then mapped to color = 0 (black), consequently, Red entities are not visible (can deselect Map colors). | Pending Release |
| •MISCELLANEOUS: Lock-up after shell, roadway, save current file - SEE RESOLUTION. | v-2.60_AGI-DOS_24-JAN-96 |
| •MISCELLANEOUS: Keyboard input not correct in elevation view. | v-2.60_AGI-DOS_24-JAN-96 |
| •MISCELLANEOUS: Available memory is a negative number. Could overflow integer if >32 M memory. | v-2.60_AGI-DOS_24-JAN-96 |
| •MISCELLANEOUS: System crashes after repeatedly using Merge_AGI or Edit commands - SEE RESOLUTION. | v-2.60_AGI-DOS_24-JAN-96 |
| •DXF: "Bad layer name" if layer name is blank (certain layers only). | v-2.60_AGI-DOS_24-JAN-96 |
| •TEXT: Can lockup system selecting font number >3. | v-2.60_AGI-DOS_24-JAN-96 |
| •(52) BAD FILE NUMBER: Selecting font number >3 | v-2.60_AGI-DOS_24-JAN-96 |
| •(24) DEVICE TIMEOUT: Quick print output through COM port. | v-2.60_AGI-DOS_24-JAN-96 |
| •ROOM/OBJECT: *Lock-up after removing shapes, rooms, or objects. Overlay was lost on return, system unstable. | v-2.60_AGI-DOS_24-JAN-96 |
| •ROADWAY: Results window scramble after using quick print. | v-2.60_AGI-DOS_24-JAN-96 |
| •OUTPUT: Quick print not behaving the same for normal, roadway and indoor (when selecting header and all sections). | v-2.60_AGI-DOS_24-JAN-96 |
| •OUTPUT: Quick print output file not working properly when header and sections where selected (as opposed to all). File was not being open for append, only last section was in file. | v-2.60_AGI-DOS_24-JAN-96 |
| •OUTPUT: Quick print - "Printer overrun" with HP-PRT.DRV driver when connected through LPT port - SEE RESOLUTION. | v-2.60_AGI-DOS_24-JAN-96 |
| •(5) ILLEGAL FUNCTION CALL: Roadway command: If lunimaires intensity at 80 degrees = 0 | v-2.60_AGI-DOS_24-JAN-96 |
| •OUTPUT: No output with Postscript - SEE RESOLUTION. | v-2.60_AGI-DOS_24-JAN-96 |
| •OUTPUT: Problems with HP-PLTLG.PDR driver, certain options do not appear. | v-2.60_AGI-DOS_24-JAN-96 |
| •DXF: Primary vertical planes not displayed properly in AutoCad. | v-2.60_AGI-DOS_24-JAN-96 |

Fixed bugs: (continued)

with group). Luminaire not properly orientated.

- CALC COMMAND: Last row or column of points is sometimes not included when placing plane. v-2.75_AGI - DOS_18-SEP-95
- LUMINAIRE: Problem with LumSwi, autocalc on. and parametric mirror. v-2.76_AGI-DOS_2-NOV-95
- LUMINAIRE: Luminaire count could be incorrect using LumDel with parametric mirror(s). v-2.80_AGI-DOS_23-FEB-96
- ROOM/OBJECT: Possible to have a multiple objects with the label if label exceeded 10 characters. Can cause all kinds of problems. v-2.80_AGI-DOS_23-FEB-96
- Isolines values are cleared after canceling the template command (ctrl-c) v-2.85_AGI-DOS_01-JUL-96
- Not importing or recognizing DXF layer name in small letters v-2.85_AGI-DOS_01-JUL-96
- Custom symbols are not included in DXF file v-2.85_AGI-DOS_01-JUL-96
- Layer name are mislabeled in Make_DXF dialog (Spill_Hor and Spill_Max) v-2.85_AGI-DOS_01-JUL-96
- Quick print over runs onto next page v-2.85_AGI-DOS_01-JUL-96
- Luminaire groups are inserted at Z=0 in DXF file v-2.85_AGI-DOS_01-JUL-96
- Room Estimator: Spacing criteria can be wrong for luminaires with large "spikes" v-2.85_AGI-DOS_01-JUL-96
- Problem with group files using same photometric file (IES file) defined multiple times with different lumens, llf, etc. v-2.85_AGI-DOS_01-JUL-96
- Precision problem with parametric mirror selection routine - may not find mirrored luminaire. Can cause problems like incorrect luminaire count when deleted. v-2.86_AGI_DOS_18-JUL-96
- Problem with luminaire groups. Multiple groups defined with the same luminaire separated by another luminaire type (in current order). Group may use incorrect single luminaire. v-2.86_AGI_DOS_18-JUL-96
- Luminaire groups created with separation are not correct in dxf file when orientated other than zero. v-2.90_AGI-DOS_01-NOV-96
- (07) OUT OF MEMORY: Roadway command. Optimizing for small luminance value (spacing gets to large that calc grid exceeds 32676 points). All optimize routines now limits spacing (maximum spacing = 30 * MH). v-2.90_AGI-DOS_01-NOV-96
- Label Lums sometimes reverts back to font 1 on relabel even though 2 or 3 shows as default (last used) v-2.90_AGI-DOS_01-NOV-96
- Plane of calc - text size sometimes overflows display. Round to nearest 100th. v-2.90_AGI-DOS_01-NOV-96
- Problem with luminaires tilted -180 degrees (in certain situations). v-2.90_AGI-DOS_01-NOV-96
- Memory check returns negative number if available XMS > 32K. Can get "that is all that will fit into memory at this time". v-2.90_AGI-DOS_01-NOV-96
- Problem with CU formula - causes minor error in calculated CU values. v-2.92_AGI_DOS_30-APR-97
- Luminaire window selection routine takes along time when many luminaires are present (LumDel, LumMod:Change, and LumSwi) (selection routine increments from 1st luminaire instead of setting to current selected luminaire). v-2.92_AGI_DOS_30-APR-97
- Text size in Edit Text dialog could appear incorrectly if text size is very small. For example; size = 7.14E-02 appears as 7.14 instead of .0714. v-2.92_AGI_DOS_30-APR-97
- WRK#.TMP were not being deleted after exiting program. Problem occurred if photometric files used in file are read only (i.e. - on CD-ROM). v-2.92_AGI_DOS_30-APR-97
- Possible problem with vertical extruded reflective objects if surface is tilted >180 degrees. v-2.92_AGI_DOS_30-APR-97
- Lums added using &_Orient with tilt do not function correctly with parametric mirror. v-2.92_AGI_DOS_30-APR-97
- (53) FILE NOT FOUND: Loading file, RD2 symbol is not on v-2.90 v-2.92_AGI_DOS_30-APR-97

Fixed Release

Fixed bugs: (continued)

master disk. Can happen when file was created under older version, older version was deleted, new version installed. Fix - add RD2.SYM or copy another symbol into RD2.SYM.

- LAIPHOTO no longer exists, remove from Shell command. v-2.92_AGI_DOS_30-APR-97
- Error import AGI DXF to ACAD - 'invalid or incomplete DXF'. Caused by blank text style in Make DXF dialog (even if layer is blanked out). v-2.92_AGI_DOS_30-APR-97
- Roadway luminance - observer for veiling luminance currently uses a 1 degree tilt - should be 0. v-2.92_AGI_DOS_30-APR-97
- Edit Text in Skewed view skews text on completion v-2.92_AGI_DOS_30-APR-97
- (64) BAD FILE NAME: Select File - entering "Itl33333*.ies" (or similiar) as a filename. v-2.92_AGI_DOS_30-APR-97
- Lost parametric relationship. Can occur with commands that recalculate aiming point. effected commands - Mirror, ChangeStatic, and Change. Problem occurs when; snap is not set or set with (2) decimal points. Routine was calculating aiming points with only (1) decimal point of resolution. Routine now uses (2) decimal points of resolution. v-2.92_AGI_DOS_30-APR-97
- Lateral angles in calculations using type B reports are reversed. Only effects reports that are laterally asymmetric. v-2.94_AGI-DOS_15-SEP-97
- Creating template in an 'indoor' application can cause problems. If the template is created after calculating, the values are recalculated without reflectance. Values are ok after the next calculation. v-2.94_AGI-DOS_15-SEP-97
- (53) FILE NOT FOUND - File contains a luminaire group of a group, or trying to place a group of a group. Currently, program allows you create a group of a group but it can't be used. v-2.94_AGI-DOS_15-SEP-97
- (09) SUBSCRIPT OUT OF RANGE: Trying to add isolines. Plane is too large to contour. Getting error message instead of "Plane too large" message. Formula used to calculate # pts. was overflowing. v-2.94_AGI-DOS_15-SEP-97
- Roadway command - spacing exceeds maximum spacing allowed (5m or 16.4 ft.) v-2.95_AGI-DOS_4-MAR-98
- (09) SUBSCRIPT OUT OF RANGE: Merge_DXF, merging large file repeated. Internal array is not purged. Workaround: draw a line and erase it! v-2.95_AGI-DOS_4-MAR-98

Features Report:**Implement:****Possible:**

- Create 3DFACE for reflective objects when creating DXF.
- ChnageMH_Stat/Dyn/ChangeMH - ability to select single luminaire
- Selectively turn off aiming vectors
- Greyscale - ranges on output (gauge)
- On screen greyscale
- Points on_line with meter orientation
- Mark or indicate camera location
- LumAdd:&Aim - option to click pole then aiming point only
- Universal user coordinate system translators for DXF files (to handle skewed vertical surfaces)
- Surround illuminance for roadway - CIE-AS
- Sort luminaire definitions in LumAdd alphanumerically
- Enable Array with Parametric Mirror
- Display a plane of calc's extents with a button - Imagine a vertical plane not in any of the 4 viewing directions. Display the planes extents with a button or?
- Compute % of total points in certain range, i.e. 38% of points fall below 1fc
- More flexibility with Roadway command. Ability to have more than one luminaire type, etc.

Features Added:

- MODIFICATIONS: Draw Arc, DrawSymbol, AGICMD2 no longer static (increase size of DGROUP).

Fixed Release**Initial Release**

- v-2.60_AGI-DOS_24-JAN-96

Features Added: (continued)**Initial Release**

- ENHANCEMENTS: Separate layer created for each luminaire type & luminaire aiming. Layer name is Lumlayer_label and LumAimlayer_label. Initial color is the same for all types. v-2.60_AGI-DOS_24-JAN-96
- ENHANCEMENTS: Plane of calculation meter = maximum spill added. v-2.60_AGI-DOS_24-JAN-96
- ENHANCEMENTS: Load size reduced. v-2.60_AGI-DOS_24-JAN-96
- ENHANCEMENTS: Room: Estimator command added v-2.60_AGI-DOS_24-JAN-96
- ENHANCEMENTS: Filename, date and page number now on each page of quick print output. v-2.60_AGI-DOS_24-JAN-96
- ENHANCEMENTS: Luminaire groups totally re-written. Groups are no longer written to files. Define luminaire pop-up mondified - necessary input is highlighted, etc. v-2.60_AGI-DOS_24-JAN-96
- ENHANCEMENTS: HIJETPRO.PDR output driver added. v-2.60_AGI-DOS_24-JAN-96
- ENHANCEMENTS: Occurrence of 'save file now' modified. Only appears when file has been modified. v-2.60_AGI-DOS_24-JAN-96
- MODIFICATIONS: "Calcvalues" moved from AGI to AGIX1 to reduce load size. v-2.60_AGI-DOS_24-JAN-96
- MODIFICATIONS: SHELLOUT replaced with SHELLOUTSAVE (linker). v-2.60_AGI-DOS_24-JAN-96
- MODIFICATIONS: HP-PTR.PDR final string modified, was causing problems with quick print to LPT. v-2.60_AGI-DOS_24-JAN-96
- MODIFICATIONS: Xdecimalsmax system parameters now effects both spill_max and spill_hor lines. v-2.60_AGI-DOS_24-JAN-96
- MODIFICATIONS: LumMod:Reaim modified, was leaving ghost aiming vector. v-2.60_AGI-DOS_24-JAN-96
- MODIFICATIONS: Openscr subroutine added. v-2.60_AGI-DOS_24-JAN-96
- MODIFICATIONS: Automatic use of RAM drive has been removed. Must set tempPath\$ in Edit:System. v-2.60_AGI-DOS_24-JAN-96
- MODIFICATIONS: References to printer type removed from Dotmatrix 2&3. v-2.60_AGI-DOS_24-JAN-96
- MODIFICATIONS: Other structure modifications; findsegment - regen removed, drawwindow - routine removed. v-2.60_AGI-DOS_24-JAN-96
- MODIFICATIONS: Default DXF layer names changed, all begin with AGI_. v-2.60_AGI-DOS_24-JAN-96
- MODIFICATIONS: Blank header section added to DXF files. Was getting some APPID error loading into ACAD r-13. v-2.60_AGI-DOS_24-JAN-96
- MODIFICATIONS: Structure of input file modified due to Group file modifications and plane of calc - max spill. v-2.60_AGI-DOS_24-JAN-96
- MODIFICATIONS: ENGLISH modified (Group name->Label). Also brpbblem with "photometric filename" over-running page with quick print. v-2.60_AGI-DOS_24-JAN-96
- MODIFICATIONS: Random access 'view file' replaced with ASCII file. v-2.60_AGI-DOS_24-JAN-96
- MODIFICATIONS: Command line options; /M and <filename> removed. v-2.60_AGI-DOS_24-JAN-96
- MODIFICATIONS: Extents max/mins removed from setup parameters. v-2.60_AGI-DOS_24-JAN-96
- MODIFICATIONS: Type record definition removed from AGI.BI and placed in each module as required. Huge savings in DGROUP! v-2.60_AGI-DOS_24-JAN-96
- MODIFICATIONS: Make_DXF, Comment added to Include desc-"Text layer must be specified". v-2.60_AGI-DOS_24-JAN-96
- MODIFICATIONS: Make_DXF, if values layer is blank can still get spill values (couldn't before). v-2.60_AGI-DOS_24-JAN-96
- MODIFICATIONS: Install.exe, Install.dat and Installc.dat modified to prevent use termination after starting installation. v-2.60_AGI-DOS_24-JAN-96

Features Added: (continued)

- MODIFICATIONS: Can open .AGI files only (extension is forced). Prevents opening .BAK files. v-2.60_AGI-DOS_24-JAN-96
- MODIFICATIONS: When loading an older version file with groups, the luminaires used to create the group are now automatically defined if not included in the file. The files are given the label name GRP_# (where # is 1,2,etc.,). v-2.61_AGI-DOS_8-FEB-95
- MODIFICATIONS: When defining a group, lumens and l1f are no longer shown. v-2.61_AGI-DOS_8-FEB-95
- MODIFICATIONS: Estimator does not allow type-B photometric reports. v-2.62_AGI-DOS_21-FEB-95
- MODIFICATIONS: Defaults retained for LumAdd:Array command. v-2.62_AGI-DOS_21-FEB-95
- ENHANCEMENTS: Performance of maximum spill improved. v-2.62_AGI-DOS_21-FEB-95
- MODIFICATIONS: Local error handler added to quick print, to prevent printing errors kicking user out of AGI. v-2.63_AGI - DOS_3-MAR-95
- MODIFICATIONS: Internal file searching routines modified. Done in an effort to eliminate problems with DOS shell. v-2.63_AGI - DOS_3-MAR-95
- MODIFICATIONS: Internal "save as" and "select a file" routines modified to prevent unexplained lock-up after repeated use. v-2.64_AGI-DOS_7-MAR-95
- MODIFICATIONS: AGI.LNK modified. v-2.65_AGI - DOS_29-MAR-95
- MODIFICATIONS: No special build necessary for Limited play or Copy Protected versions. v-2.65_AGI - DOS_29-MAR-95
- MODIFICATIONS: No longer can do AGI/V to get version. v-2.65_AGI - DOS_29-MAR-95
- MODIFICATIONS: IRS.EXE, AGIIRS.COM added v-2.65_AGI - DOS_29-MAR-95
- MODIFICATIONS: INSTALL.EXE, INSTALL.DAT.MAKEAGI.BAT modified. v-2.65_AGI - DOS_29-MAR-95
- ENHANCEMENTS: Installation registration system added. v-2.65_AGI - DOS_29-MAR-95
- ENHANCEMENTS: Luminaire copy command added. v-2.70_AGI - DOS_12-MAY-95
- ENHANCEMENTS: Parametric mirrors added. v-2.70_AGI - DOS_12-MAY-95
- ENHANCEMENTS: New Cannon drivers; Cannon BJ-230 and BJC-600/e added. v-2.70_AGI - DOS_12-MAY-95
- ENHANCEMENTS: Output drivers added for HP Color Printer. v-2.70_AGI - DOS_12-MAY-95
- ENHANCEMENTS: LumAdd:Define retains current symbol, size, l1f, pole & color when using "Select-afile" (was resetting to default values). v-2.70_AGI - DOS_12-MAY-95
- ENHANCEMENTS: Highlight(s) are saved in the AGI file. v-2.70_AGI - DOS_12-MAY-95
- ENHANCEMENTS: Loading file from command line reinstated (AGI <filename>). v-2.70_AGI - DOS_12-MAY-95
- ENHANCEMENTS: Required memory reduced to 496K. v-2.70_AGI - DOS_12-MAY-95
- ENHANCEMENTS: LumAdd:Move command now uses XMS. v-2.70_AGI - DOS_12-MAY-95
- ENHANCEMENTS: Installation registration system added. v-2.70_AGI - DOS_12-MAY-95
- MODIFICATIONS: "Contour" moved to "Digit" overlay. v-2.70_AGI - DOS_12-MAY-95
- MODIFICATIONS: Internal "Define luminaire" routine modified to prevent possible lock-up after repeatedly using "select-a-file". v-2.70_AGI - DOS_12-MAY-95
- MODIFICATIONS: Orientation arrow added to WALLP.SYM. v-2.70_AGI - DOS_12-MAY-95
- MODIFICATIONS: Z reset to) when opening a new file. v-2.70_AGI - DOS_12-MAY-95
- MODIFICATIONS: Internal allocation for array used in drawsymbol changed from 1000 to 500 (reduce required memory). v-2.70_AGI - DOS_12-MAY-95
- MODIFICATIONS: Spill_Max, Spill_Hor, & All_lines are now deleted when shaped out (were being left in file). v-2.70_AGI - DOS_12-MAY-95
- ENHANCEMENTS: Internal batch processor added - Shell:Batch. v-2.70_AGI - DOS_12-MAY-95
- ENHANCEMENTS: Orientation arrow added to selected symbols. v-2.70_AGI - DOS_12-MAY-95
- MODIFICATIONS: TEMP.TMP replaced with WRK#.TMP throughout. v-2.70_AGI - DOS_12-MAY-95
- MODIFICATIONS: Internal Ivalue! array erased if ctrl-c during greyscale output. v-2.70_AGI - DOS_12-MAY-95
- MODIFICATIONS: Internal contouring array IZ erased after use v-2.70_AGI - DOS_12-MAY-95

Features Added: (continued)

(reduce req'd memory).

- MODIFICATIONS: Luminaire description now includes single luminaires used in a group even if the single luminaires are not used in the project. v-2.70_AGI - DOS_12-MAY-95
- MODIFICATIONS: AGI.LNK modified. v-2.70_AGI - DOS_12-MAY-95
- MODIFICATIONS: Can no longer do batch processing from command line (AGI/C). v-2.70_AGI - DOS_12-MAY-95
- MODIFICATIONS: No longer can do AGI/V to get version. v-2.70_AGI - DOS_12-MAY-95
- MODIFICATIONS: IRS.EXE, AGIIRS.COM, BATCH.EXE added. v-2.70_AGI - DOS_12-MAY-95
- MODIFICATIONS: INSTALL.EXE, INSTALL.DAT, MAKEAGI.BAT modified. v-2.70_AGI - DOS_12-MAY-95
- MODIFICATIONS: No special build necessary for Limited play or Copy Protected versions. v-2.70_AGI - DOS_12-MAY-95
- MODIFICATIONS: Normal mirror is now under LumAdd:Mirrors command. v-2.70_AGI - DOS_12-MAY-95
- MODIFICATIONS: Internal array used for descritizing changed from bx1! to descx1! (was conflicting with v-2.70_AGI - DOS_12-MAY-95
- MODIFICATIONS: Internal luminaire commands modified as result of parametric mirror. v-2.70_AGI - DOS_12-MAY-95
- MODIFICATIONS: IRS modified: (1) Once expired, can still enter installation key (can't get into program). (2) "Special install key" - disables serial number check. v-2.72_AGI-DOS_14-JUL-95
- MODIFICATIONS: Internal modification to metric descritization routine. v-2.72_AGI-DOS_14-JUL-95
- MODIFICATIONS: Letter media size changed for HP Color printer. v-2.72_AGI-DOS_14-JUL-95
- ENHANCEMENTS: Ability to uninstall added to IRS. v-2.75_AGI - DOS_18-SEP-95
- ENHANCEMENTS: LumMod:Change command enhanced. Can now window multiple luminaires. v-2.75_AGI - DOS_18-SEP-95
- MODIFICATIONS: Mouse clears IRS opening screen. v-2.75_AGI - DOS_18-SEP-95
- MODIFICATIONS: Closing string modified for all DeskJet drivers. v-2.75_AGI - DOS_18-SEP-95
- MODIFICATIONS: "Minimum/Average" and "Minimum/Maximum" added to language file (ENGLISH). v-2.75_AGI - DOS_18-SEP-95
- MODIFICATIONS: Spacing algorithm modified for Room:Estimator. Rounds to nearest .25 ft or .1 m. v-2.75_AGI - DOS_18-SEP-95
- MODIFICATIONS: Luminaire spin not considered in Roadway command (added to orientationa0. v-2.75_AGI - DOS_18-SEP-95
- ENHANCEMENTS: Option to "Delete PAK file once unpacked" and "Delete AGI file once unpacked" added to PAKAGI. v-2.75_AGI - DOS_18-SEP-95
- ENHANCEMENTS: Symbol file added to PAK file. v-2.75_AGI - DOS_18-SEP-95
- ENHANCEMENTS: File:Save_as_Sym command added. v-2.75_AGI - DOS_18-SEP-95
- AGISYM.AGI added to master disk - template for creating symbols.
- ENHANCEMENTS: System parameter "flipNumRatios" added. v-2.75_AGI - DOS_18-SEP-95
- ENHANCEMENTS: Smart text now calculates and displays total lumens and average llf. v-2.75_AGI - DOS_18-SEP-95
- MODIFICATIONS: Number of installs increased to 5. v-2.75_AGI - DOS_18-SEP-95
- MODIFICATIONS: DOTMATRIX2 driver modified - B-size removed. v-2.75_AGI - DOS_18-SEP-95
- ENHANCEMENTS: Can now change aiming for luminaires placed with LumAdd:No_aim using LumMod:Change. v-2.76_AGI-DOS_2-NOV-95
- MODIFICATIONS: Deleting a luminaire type not used in the current calculations does not require a recalculation v-2.80_AGI-DOS_23-FEB-96
- MODIFICATIONS: Modified all DeskJet drivers, "end of raster graphics" command was causing problems with certain printers v-2.80_AGI-DOS_23-FEB-96
- MODIFICATIONS: Setting for system parameter PsizeDpl = 50 (was 30), improves resolution for certain vertical extr rooms v-2.80_AGI-DOS_23-FEB-96

Initial Release

Features Added: (continued)**Initial Release**

- MODIFICATIONS: HltgGtColor and HLtgLtColor have been replaced with HLtgRiColor and HLtgR2Color, respectively v-2.80_AGI-DOS_23-FEB-96
- MODIFICATIONS: "What operating system" added to IRS REGISTER.DOC v-2.80_AGI-DOS_23-FEB-96
- MODIFICATIONS: Aiming point now rounds to nearest tenth instead of nearest whole number (aiming piont for mirrored luminaires was incorrect in certain situations) v-2.80_AGI-DOS_23-FEB-96
- MODIFICATIONS: Modified CANBJ600 and CANBJ230 drivers to correct problem when printing to B media size v-2.80_AGI-DOS_23-FEB-96
- ENHANCEMENTS: Can now draw X-axis in elevation view rotated 0 degrees v-2.80_AGI-DOS_23-FEB-96
- ENHANCEMENTS: Metric Media sizes added to several drivers v-2.80_AGI-DOS_23-FEB-96
- ENHANCEMENTS: Luminous dimensions for width and length are automatically swapped when defing a luminaire spin = 90 or 270 v-2.80_AGI-DOS_23-FEB-96
- ENHANCEMENTS: Driver forf HP DeskJET 1600C added v-2.80_AGI-DOS_23-FEB-96
- ENHANCEMENTS: Highlight values now use ranges v-2.80_AGI-DOS_23-FEB-96
- ENHANCEMENT: Can now Switch display of descriptive text v-2.85_AGI-DOS_01-JUL-96
- ENHANCEMENTS: Command : Shape:Unshape v-2.85_AGI-DOS_01-JUL-96
- ENHANCEMENT: Additional luminaire sort options - left to right and top to bottom v-2.85_AGI-DOS_01-JUL-96
- Command: Edit:Edit Text added. v-2.90_AGI-DOS_01-NOV-96
- Command: Edit: Change Color added. v-2.92_AGI_DOS_30-APR-97
- Increase number of allowable descriptive lines in photometric files to 25 lines. (was 15). v-2.92_AGI_DOS_30-APR-97
- Edit:Text - ability to set/change text color. v-2.92_AGI_DOS_30-APR-97
- Remove "Script" stuff from program to decrease load size (used for demo). v-2.92_AGI_DOS_30-APR-97
- When "+" is included for calculated values, created DXF file contains "+" (line entities) for each point. v-2.94_AGI-DOS_15-SEP-97
- Accept and use absolute photometry (lumens = -1) v-2.94_AGI-DOS_15-SEP-97
- Default for Output selection is retained (Display, Extents, or Window) v-2.94_AGI-DOS_15-SEP-97
- Merge DXF: Now imports LwPolyline (Acad 14) and Mtext (Acad 13 and 14) entities v-2.94_AGI-DOS_15-SEP-97
- Add "page size" to initialization string for HP-PRT printer driver v-2.94_AGI-DOS_15-SEP-97
- Option to map colors in Merge DXF dialog. Maps ACAD primary colors only. v-2.95_AGI-DOS_4-MAR-98
- Default color set = grey (8) was yellow (6) v-2.95_AGI-DOS_4-MAR-98
- Label luminaires command moved into a dialog v-2.95_AGI-DOS_4-MAR-98
- "Restore factory settings" button added to Output:Make_DXF dialog. Restore all setting to factory settings (stored in file AGIDXFF.DAT) v-2.95_AGI-DOS_4-MAR-98
- "Display" section added to Calc;Settings dialog. Can set display of numerical results (same as xdecimals). Does not effect system parameters, only active for current session of AGI. v-2.95_AGI-DOS_4-MAR-98