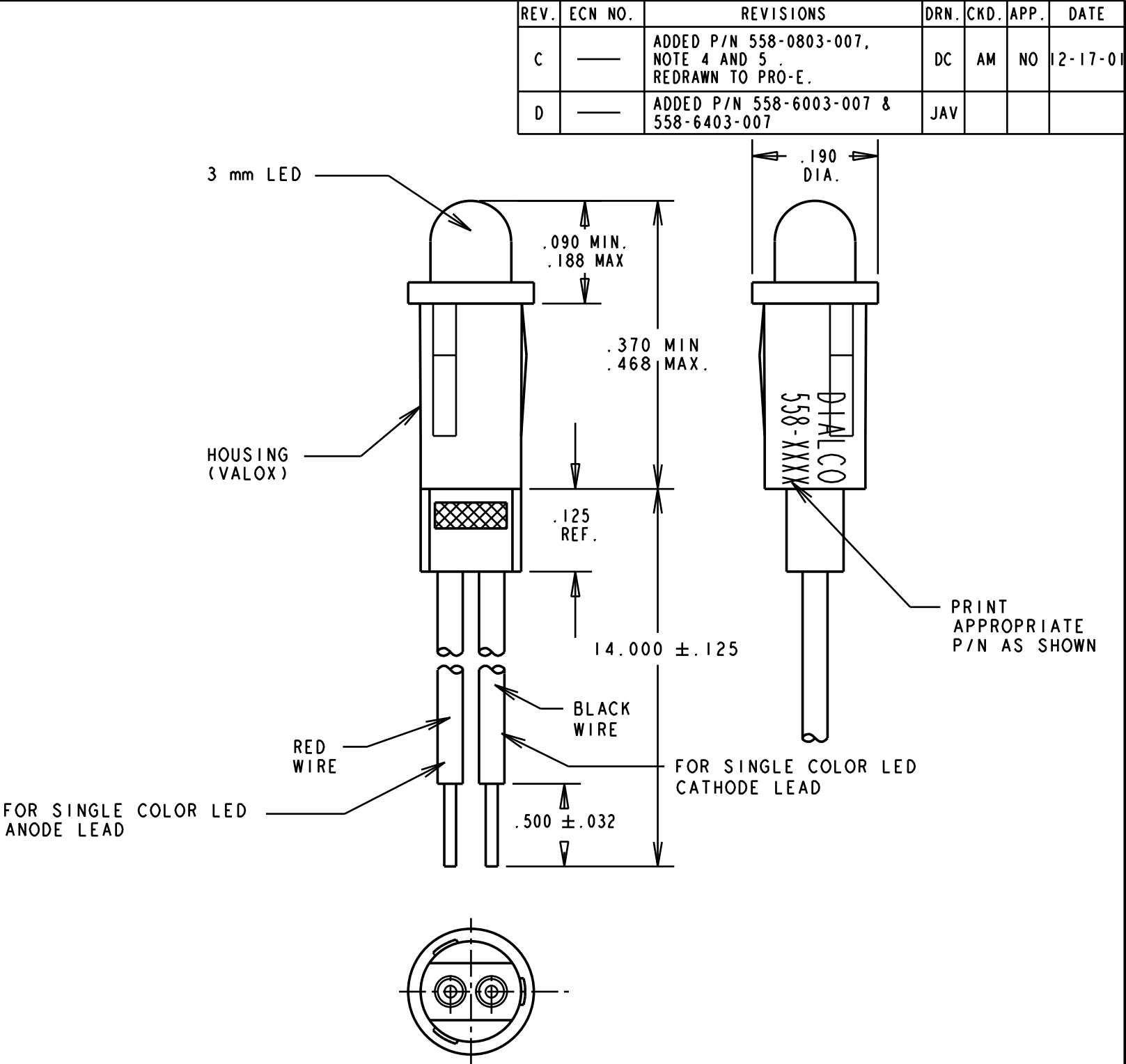


| ASSEMBLY NO.   | V <sub>f</sub><br>(V) |      | I <sub>f</sub><br>(mA) |      | LED EPOXY<br>COLOR         | LED CHIP   | PEAK<br>WAVELENGTH<br>λ <sub>p</sub> (nm) | LUM. INT.<br>I <sub>f</sub> (mcd) |       |
|----------------|-----------------------|------|------------------------|------|----------------------------|------------|-------------------------------------------|-----------------------------------|-------|
|                | TYP.                  | MAX. | TYP.                   | MAX. |                            |            |                                           | MIN.                              | TYP.  |
| 558-0101-007   | 2.0                   | 3.0  | 10*                    | 20   | RED DIFF.                  | GaAs       | 650                                       |                                   | 10.0  |
| 558-0102-007   | 5.0                   |      | 10                     | 15   | RED DIFF.                  | GaAsP/GaP  | 635                                       |                                   | 4.0   |
| 558-0201-007   | 2.1                   | 3.0  | 10*                    | 25   | GREEN DIFF.                | GaP        | 563                                       |                                   | 16.0  |
| 558-0202-007   | 5.0                   |      | 12                     | 15   | GREEN DIFF.                | GaP        | 565                                       |                                   | 8.0   |
| 558-0301-007   | 2.1                   | 3.0  | 10*                    | 20   | YELLOW DIFF.               | GaAsP/GaP  | 585                                       |                                   | 6.3   |
| 558-0302-007   | 5.0                   |      | 10                     | 15   | YELLOW DIFF.               | GaAsP/GaP  | 583                                       |                                   | 8.0   |
| 558-0401-007   | 1.5                   | 2.2  | 10*                    | 25   | ORANGE DIFF.               | GaAsP/GaP  | 600                                       |                                   | 6.5   |
| 558-0501-007   | 2.1                   | 2.8  | 20*                    | 40   | WATER CLEAR                | GaP        | 565                                       |                                   | 70.0  |
| 558-0601-007   | 1.9                   | 2.4  | 20*                    | 50   | WATER CLEAR                | AlInGaP    | 594                                       |                                   | 200.0 |
| 558-0701-007   | 1.8                   | 2.4  | 20*                    | 40   | WATER CLEAR                | AlGaAs     | 660                                       |                                   | 170.0 |
| * 558-0803-007 | 3.5                   | 4.2  | 10*                    | 20   | WHITE DIFF.                | GaN(BLUE)  | 428                                       | 6.3                               | 13.0  |
| 558-1101-007   | 1.8                   | 2.2  | 2**                    | 7    | RED DIFF.                  | GaAsP/GaP  | 635                                       |                                   | 1.8   |
| 558-1201-007   | 1.9                   | 2.7  | 2**                    | 7    | YELLOW DIFF.               | GaAsP/GaP  | 583                                       |                                   | 1.6   |
| 558-1301-007   | 1.8                   | 2.2  | 2**                    | 7    | GREEN DIFF.                | GaP        | 565                                       |                                   | 1.6   |
| 558-1501-007   | 2.1                   | 2.8  | 10*                    | 30   | GREEN TINTED<br>NON-DIFF.  | GaP        | 565                                       |                                   | 70.0  |
| 558-1601-007   | 2.1                   | 2.8  | 10*                    | 20   | YELLOW TINTED<br>NON-DIFF. | GaAsP/GaP  | 585                                       |                                   | 19.0  |
| 558-1701-007   | 1.8                   | 2.4  | 20*                    | 40   | RED TINTED<br>NON-DIFF.    | AlGaAs     | 660                                       |                                   | 135.0 |
| 558-1801-007   | 1.8                   | 2.4  | 20*                    | 40   | RED DIFF.                  | AlGaAs     | 660                                       |                                   | 60.0  |
| 558-6003-007   | 3.5                   | 4.0  | 20*                    | 30   | WATER CLEAR                | GaN(BLUE)  | 464                                       |                                   | 460   |
| 558-6403-007   | 3.6                   | 4.0  | 20*                    | 30   | WATER CLEAR                | GaN(WHITE) | SEE X,Y COOR.                             |                                   | 850   |

| X,Y COLOR COORDINATES |   |     |
|-----------------------|---|-----|
| PART NUMBER           |   |     |
| 558-6403-007          | X | .31 |
|                       | Y | .32 |

NOTES:

1. \* REQUIRES EXTERNAL RESISTOR.  
\*\* REQUIRES EXTERNAL RESISTOR, MAX. FORWARD D.C. CURRENT 7 mA.
2. LEAD WIRES: AWG #26 PRE-TINNED, STRANDED.
3. RECOMMENDED MOUNTING HOLE: .155/.158 DIA. ON PANELS  
.031 THRU .062 THICK.
- \* 4. ATTENTION: OBSERVE PRECAUTIONS FOR HANDLING ELECTROSTATIC SENSITIVE DEVICES.  
FOR EYE SAFETY DO NOT STARE DIRECTLY INTO THE LIGHT BEAM OF THESE LED DEVICES  
AT CLOSE RANGE.
5. DIALIGHT PART NUMBERS: 558-XXXX-007.



|                                                                                                                                                                                                                               |                                               |                                              |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------|----------------------------------------------|
| THIS DRAWING AND THE CONTENTS HEREIN ARE CONFIDENTIAL AND THE SOLE PROPERTY OF DIALIGHT. REPRODUCTION OF THIS DRAWING OR CONSTRUCTION OF ANY PARTS WITHIN THIS DRAWING ARE FORBIDDEN WITHOUT THE WRITTEN CONSENT OF DIALIGHT. |                                               |                                              |
| SCALE: NONE                                                                                                                                                                                                                   | DRAWING NUMBER<br><br>C-16266                 | REV<br><br>D                                 |
| ALL DIM'S IN: INCHES (MM)                                                                                                                                                                                                     |                                               |                                              |
| TOLERANCES:<br>UNLESS OTHERWISE SPECIFIED                                                                                                                                                                                     | TITLE<br><br>.156" MOUNTING HOLE, SNAP-IN PMI |                                              |
| FRACTIONS: ±1/64<br>DECIMALS (.XX): ±.020<br>DECIMALS (.XXX): ±.015                                                                                                                                                           |                                               |                                              |
| ANGLES: ±3°                                                                                                                                                                                                                   | MATERIAL                                      |                                              |
| FINISH:                                                                                                                                                                                                                       |                                               |                                              |
| FSCM 83330                                                                                                                                                                                                                    | Dialight                                      | 1501 ROUTE 34 SOUTH<br>FARMINGDALE, NJ 07727 |
|                                                                                                                                                                                                                               | SHEET OF                                      | FAMILY TABLE:                                |