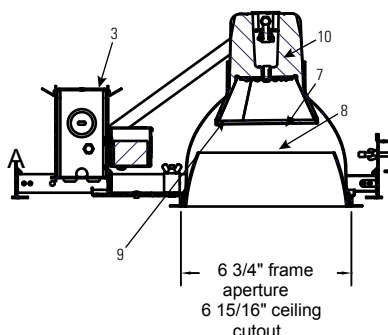
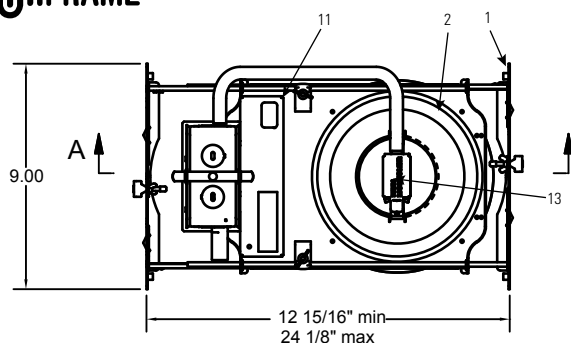


Project: \_\_\_\_\_  
 Location: \_\_\_\_\_  
 Cat.No: \_\_\_\_\_  
 Type: \_\_\_\_\_  
 Lamps: \_\_\_\_\_ Qty: \_\_\_\_\_  
 Notes: \_\_\_\_\_

#### Trim compatibility for the 1101LED09N series frame-in-kits.

| Frame-in kit example: 1101LED09N27D1                       |                                |                                    |                         | Compatible Trims   |          |            |         |             |                    |              |                  |
|------------------------------------------------------------|--------------------------------|------------------------------------|-------------------------|--------------------|----------|------------|---------|-------------|--------------------|--------------|------------------|
| Catalog number                                             | Details                        | CCT                                | Voltage                 | Anodized reflector | Cone     | Satin cone | Baffle  | Cross-blade | Enclosed diffusers | Wall washers | Open wet         |
| <b>1101LED</b> Lytecaster LED 6 3/4", Non-IC, frame-in kit | <b>09N</b> 900lmn, New constr. | <b>27</b> 2700K<br><b>35</b> 3500K | <b>1</b> 120v           | 1143               | 1112     | 1108       | 1105    | 1132        | 1121*              | 1195*        | 1184WH<br>1184CD |
|                                                            |                                |                                    | <b>2</b> 277v           | 1144               | 1112NM   | 1108NM     | 1105NM  |             | 1124*              | 1196*        |                  |
|                                                            |                                |                                    | <b>D1</b> 120v dimmable | 1144CD             | 1113     | 1110       | 1105WH  |             | 1126               | 1196CD*      |                  |
|                                                            |                                |                                    | <b>D2</b> 277v dimmable | 1145               | 1113NM   | 1110NM     | 1105BNM |             | 1128*              |              |                  |
|                                                            |                                |                                    |                         | 1146               | 1113BK   |            | 1176*   |             | 1134*              |              |                  |
|                                                            |                                |                                    |                         | 1146CD             | 1113BKNM |            | 1176WH  |             | 1177SH*            |              |                  |
|                                                            |                                |                                    |                         |                    | 1113CD   |            |         |             | 1178SH*            |              |                  |
|                                                            |                                |                                    |                         |                    | 1113CDNM |            |         |             | 1190               |              |                  |
|                                                            |                                |                                    |                         |                    | 1113WH   |            |         |             |                    |              |                  |

\* Trims marked are not Energy Star certified.

#### Features

- Mounting frame:** .036" (#20ga.) Galvanized steel. Accommodates all ceilings up to 1 1/2" thick.
- Trim clips:** "Push in/twist out" stainless steel clips hold reflector flush to ceiling.
- Junction box:** 2" x 4" x 3-1/2" (22cu. in.) .032" (#22ga.) galvanized steel. UL Listed for maximum of 8 (#12ga.) through branch circuit conductors.
- Uniframe mounting system – grid ceiling:** Tool free mounting in grid ceilings. .036" (20ga.) Galvanized steel interlocking slide bars adjust to 24-1/8" long accommodating 24" O.C. Ceiling Grid. Adjustable speed clamps for positive attachment to grid ceiling systems.
- Uniframe mounting system – wood joist ceiling:** Integral nailing tabs, alignment guides, fastener holes and bendable strapping guides for wood joist installation. Galvanized steel interlocking slide bars adjust from 12-15/16" to 24-1/8" long to accommodate 16" and 24" O.C. joist spacing, with or without strapping.
- Reflector:** See individual specification sheets for information.
- Optical mixing chamber:** Designed to provide a spacing ratio of .9 (60° beam) when installed in standard Lytecaster trims. Optic design provides less glare than standard PAR lamps.
- Lens:** Solite Glass lens has high transmission value with slight texturing to provide a smooth consistent beam distribution.
- LED board:** Utilizes Philips Lumileds LED's.

#### Features (continued)

- Thermal protector:** Meets NEC and UL requirements. Do not install insulation above or within 3" (76mm) of any part of the luminaire.
- Top heat sink cover:** Tool free snap on enclosure bracket. 22-ga component houses the driver secondary tool free wire connector.

#### Electrical

**Electronic power supply:** RoHS compliant Class 2 power unit for use in a damp or dry location (Outdoor Type1 IP66). Class A sound rated unit tolerates sustained open circuit and short circuit output conditions without damage. Complies with FCC rules per Title 47 CFR Part 15 Non-Consumer (Class A) for EMI/RFI (conducted and radiated) at full load. Dimming (0-10V) version intended for use with 0-10V DC type dimmers. See LED-DIM.pdf for latest dimming switch compatibility.

| Input voltage | Input frequency | Max input current | Max input power | Max THD | Power factor | Minimum operating temperature | Dimming signal |
|---------------|-----------------|-------------------|-----------------|---------|--------------|-------------------------------|----------------|
| 120v          | 50/60Hz         | 0.2               | 24W             | < 20%   | >.9          | -20° C                        | N/A            |
| 120v Dim      | 50/60Hz         | 0.2               | 24W             | < 20%   | >.9          | -20° C                        | 0-10V          |
| 277v          | 50/60Hz         | 0.09              | 24W             | < 20%   | >.9          | -20° C                        | N/A            |
| 277v Dim      | 50/60Hz         | 0.09              | 26W             | < 20%   | >.9          | -20° C                        | 0-10V          |

# 1101LED Uniframe LED 6 3/4"

## 900lm Non-IC Frame

### Features

- 10. Thermal management:** Proprietary heat sink was developed using the latest in Computational Fluid Dynamics Software. This optimized thermal design provides a 50,000 hour lifetime at 70% lumen maintenance. Cast aluminum heat sink is coated with a RoHS compliant coating (trivalent chromate) to resist corrosion in damp/wet environments.
- 11. Power supply/enclosure:** Factory wired electronic LED driver (see Electrical section for specifications) Enclosed in a 22Ga galvanized steel housing.

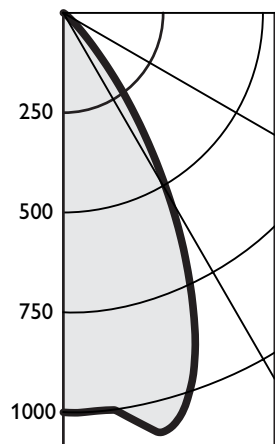
### Accessories

1967A Extra thick ceiling adapter  
(2" thk) L56WWLENS Spread lens  
for use with wall wash trims to  
provide even vertical illumination.

### Labels

UL wet location classified.  
cULus listed. 5 year warranty.  
Suitable for damp locations.  
I.B.E.W. Title 24 compliant.  
Energy Star certified (except "D2").

### Lytecaster LED, 2700K Uniframe



| Angle | Mean CP |
|-------|---------|
| 0     | 1001    |
| 5     | 1001    |
| 10    | 1038    |
| 15    | 1068    |
| 20    | 955     |
| 25    | 752     |
| 30    | 525     |
| 35    | 317     |
| 40    | 154     |
| 45    | 63      |
| 50    | 22      |
| 55    | 9       |
| 60    | 3       |
| 65    | 1       |
| 70    | 0       |
| 75    | 0       |
| 80    | 0       |
| 85    | 0       |
| 90    | 0       |

| Catalog no: 1101LED09N271 / 1113 |         |
|----------------------------------|---------|
| Report no.:                      | F10146  |
| Total fixture lumens:            | 995 lms |
| Color temp:                      | 2700K   |
| Input watts:                     | 20.6W   |
| Luminaire efficacy               | 48 lm/w |
| Spacing criterion:               | 1.00    |
| CRI                              | 82      |

| Zonal lumens and percentages |        |       |       |
|------------------------------|--------|-------|-------|
| Zone                         | Lumens | %Lamp | %Fixt |
| 0-30                         | 731    | N/A   | 74    |
| 0-40                         | 930    | N/A   | 94    |
| 0-60                         | 993    | N/A   | 99    |
| 0-90                         | 994    | N/A   | 100   |

| Coefficients of utilization |                                                         |     |     |     |     |     |     |     |     |     |
|-----------------------------|---------------------------------------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Ceiling                     | 80%                                                     |     |     | 70% |     |     | 50% |     |     | 0%  |
| Wall                        | 70                                                      | 50  | 30  | 70  | 50  | 30  | 50  | 30  | 10  | 0   |
| RCR                         | Zonal cavity method - Effective floor reflectance = 20% |     |     |     |     |     |     |     |     |     |
| Room cavity ratio           | 0                                                       | 119 | 119 | 119 | 116 | 116 | 116 | 111 | 111 | 111 |
|                             | 1                                                       | 114 | 111 | 108 | 111 | 109 | 107 | 105 | 103 | 101 |
|                             | 2                                                       | 108 | 103 | 99  | 106 | 102 | 98  | 98  | 95  | 93  |
|                             | 3                                                       | 103 | 96  | 92  | 101 | 95  | 91  | 92  | 89  | 86  |
|                             | 4                                                       | 98  | 90  | 85  | 96  | 89  | 84  | 87  | 83  | 79  |
|                             | 5                                                       | 93  | 85  | 79  | 91  | 84  | 78  | 82  | 77  | 73  |
|                             | 6                                                       | 88  | 79  | 73  | 87  | 79  | 73  | 77  | 72  | 68  |
|                             | 7                                                       | 84  | 75  | 69  | 82  | 74  | 68  | 73  | 68  | 64  |
|                             | 8                                                       | 80  | 70  | 64  | 79  | 70  | 64  | 69  | 64  | 60  |
|                             | 9                                                       | 76  | 66  | 61  | 75  | 66  | 60  | 65  | 60  | 56  |
|                             | 10                                                      | 72  | 63  | 57  | 71  | 62  | 57  | 62  | 57  | 53  |

| Single unit data |              |           |
|------------------|--------------|-----------|
| Height to        | Initial      | Beam      |
| Lighted          | Center beam  | Diameter* |
| Plane            | Foot-candles |           |
| 6'               | 28           | 6         |
| 7'               | 20           | 7         |
| 8'               | 21           | 8         |

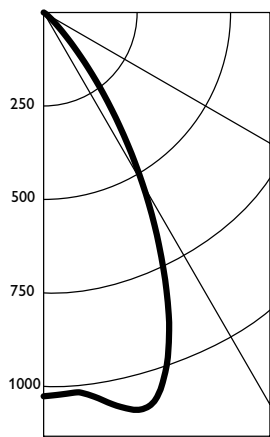
Tested using absolute photometry as specified in LM79: IESNA Approved Method for the Electrical and Photometric Measurements of Solid-State Lighting Products.

\*Beam diameter is where foot-candles drop to 50% of maximum.

# 1101LED Uniframe LED 6 3/4"

900lm Non-IC Frame

## Lytecaster LED, 3500K Uniframe



| Angle | Mean CP |
|-------|---------|
| 0     | 1027    |
| 5     | 1020    |
| 10    | 1064    |
| 15    | 1090    |
| 20    | 973     |
| 25    | 759     |
| 30    | 529     |
| 35    | 318     |
| 40    | 156     |
| 45    | 63      |
| 50    | 24      |
| 55    | 9       |
| 60    | 3       |
| 65    | 1       |
| 70    | 0       |
| 75    | 0       |
| 80    | 0       |
| 85    | 0       |
| 90    | 0       |

| Catalog No: 1101LED09N351 / 1113 |          |
|----------------------------------|----------|
| Report no.:                      | F10142   |
| Total fixture lumens:            | 1010 lms |
| Color temp:                      | 3500K    |
| Input watts:                     | 20.6W    |
| Luminaire efficacy               | 49 lm/w  |
| Spacing criterion:               | 0.98     |
| CRI                              | 82       |

| Zonal lumens and percentages |        |       |       |
|------------------------------|--------|-------|-------|
| Zone                         | Lumens | %Lamp | %Fixt |
| 0-30                         | 743    | N/A   | 74    |
| 0-40                         | 944    | N/A   | 94    |
| 0-60                         | 1009   | N/A   | 99    |
| 0-90                         | 1010   | N/A   | 100   |

| Coefficients of utilization |                                                         |     |     |     |     |     |     |     |     |     |
|-----------------------------|---------------------------------------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Ceiling                     | 80%                                                     |     |     | 70% |     |     | 50% |     |     | 0%  |
| Wall                        | 70                                                      | 50  | 30  | 70  | 50  | 30  | 50  | 30  | 10  | 0   |
| RCR                         | Zonal Cavity Method - Effective Floor Reflectance = 20% |     |     |     |     |     |     |     |     |     |
| Room Cavity Ratio           | 0                                                       | 119 | 119 | 119 | 116 | 116 | 116 | 111 | 111 | 100 |
|                             | 1                                                       | 114 | 111 | 108 | 111 | 109 | 107 | 105 | 103 | 94  |
|                             | 2                                                       | 108 | 103 | 99  | 106 | 102 | 98  | 98  | 95  | 87  |
|                             | 3                                                       | 103 | 96  | 92  | 101 | 95  | 91  | 92  | 89  | 81  |
|                             | 4                                                       | 98  | 90  | 85  | 96  | 89  | 84  | 87  | 83  | 76  |
|                             | 5                                                       | 93  | 85  | 79  | 91  | 84  | 78  | 82  | 77  | 71  |
|                             | 6                                                       | 88  | 79  | 73  | 87  | 79  | 73  | 77  | 72  | 66  |
|                             | 7                                                       | 84  | 75  | 69  | 82  | 74  | 68  | 73  | 68  | 62  |
|                             | 8                                                       | 80  | 70  | 64  | 79  | 70  | 64  | 69  | 64  | 58  |
|                             | 9                                                       | 76  | 66  | 61  | 75  | 66  | 60  | 65  | 60  | 55  |
|                             | 10                                                      | 72  | 63  | 57  | 71  | 62  | 57  | 62  | 57  | 52  |

| Single unit data |              |           |
|------------------|--------------|-----------|
| Height to        | Initial      | Beam      |
| Lighted          | Center beam  | Diameter* |
| Plane            | Foot-candles |           |
| 6'               | 29           | 6         |
| 7'               | 21           | 7         |
| 8'               | 16           | 8         |

\*Beam diameter is where foot-candles drop to 50% of maximum.

Tested using absolute photometry as specified in LM79: IESNA Approved Method for the Electrical and Photometric Measurements of Solid-State Lighting Products.

