

# ETC Fixtures Are Built To Last



L70 is a common rating system used throughout the LED fixture industry. There is, however, some confusion as to what the rating does and does not define. We'd like to clear up the misconceptions and explain how ETC is using L70 to test our LED fixtures to their limits.



## What is L70?

It's very clear when an incandescent fixture reaches its end of life – it stops working. With LED fixtures however, it's not quite as obvious because the LEDs just slowly get dimmer. The L70 rating was created as a way to measure when the LEDs of a fixture are no longer "useful." This rating is determined from an outcome of testing to the LM84 standard and gives a representation of the amount of hours it will take for LEDs to depreciate to 70% of their original output.

The LM84 standard is complex and can take thousands of hours to complete. ETC has decided to send full LED fixtures to a nationally-recognized, third-party test lab for comprehensive evaluation.

One of the biggest misconceptions of the L70 rating is that it applies to the entire fixture when in fact, it only applies to the LEDs themselves. The way a fixture is manufactured including the quality of thermal management systems, heavily dictates the life expectancy of the LEDs. This is why we at ETC send the full fixture for testing – we want you to be sure that the LED ratings we publish represent the environment of true-to-life installations.

The good news is, we haven't changed how we've manufactured our LED fixtures. As we continue to get official test results back from our third-party lab for more of our fixtures, we're confident that the ratings will continue to prove that our fixtures have always been manufactured to the highest quality.

## Expanding the ratings

Because we've always used high quality components in our fixtures, several of them are reaching higher L70 ratings than we originally anticipated. We will continue to update you as we get final L70 results back on additional fixtures.

Fixture	before LM84 testing	after LM84 testing
ColorSource Spot	20,000 hours	54,000 hours
Source Four LED Lustr+	20,000 hours	54,000 hours

## Increased warranties

ETC has always put product quality first and the recent L70 ratings reaffirm that commitment. To solidify this dedication to quality they've decided to pass the peace of mind along to you through increased warranties.

All full ETC LED fixtures now hold a:

- 5 year full fixture warranty
- 10 year LED array warranty

All ETC Source 4WRD products continue to hold a 3 year warranty

*With an unmatched technical support team around the world, we're proud to stand by a decade of coverage and a lifetime of support.*