



Updates to V5.0 in Response to COVID-19

April 28, 2020



Agenda

- Summary of Industry Concerns
- DLC Member Utility Perspective
- Timeline Updates
- Dimming Requirement Updates
- Updated Documents
- Response Summary
- Conclusion



Industry Concerns

1. Lack of resources to meet the V5 timelines and requirements
2. Supply chain constraints, resulting in delays in development and/or availability of components with varying quality
3. Reductions in projects, where existing product is not able to be sold
4. Ability to meet surveillance testing timelines



DLC Member Utility Perspective

- **Efficiency programs are trying to continue projects**
 - Continuing to process applications and rebate payments (still need to hit program goals)
 - Focusing on safety procedures to return to in-person
 - Using downtime for education and training
- **Expect large volume of projects in 2021 from backlog of 2020 projects**
 - Considering increased incentives to help keep the focus on efficiency
 - Hoping to make up for lost savings; new DLC efficacy requirements help
 - Since the QPL will reflect V5.0 requirements starting January 1, 2021, the V4.4 delisting date is very important for utility programs



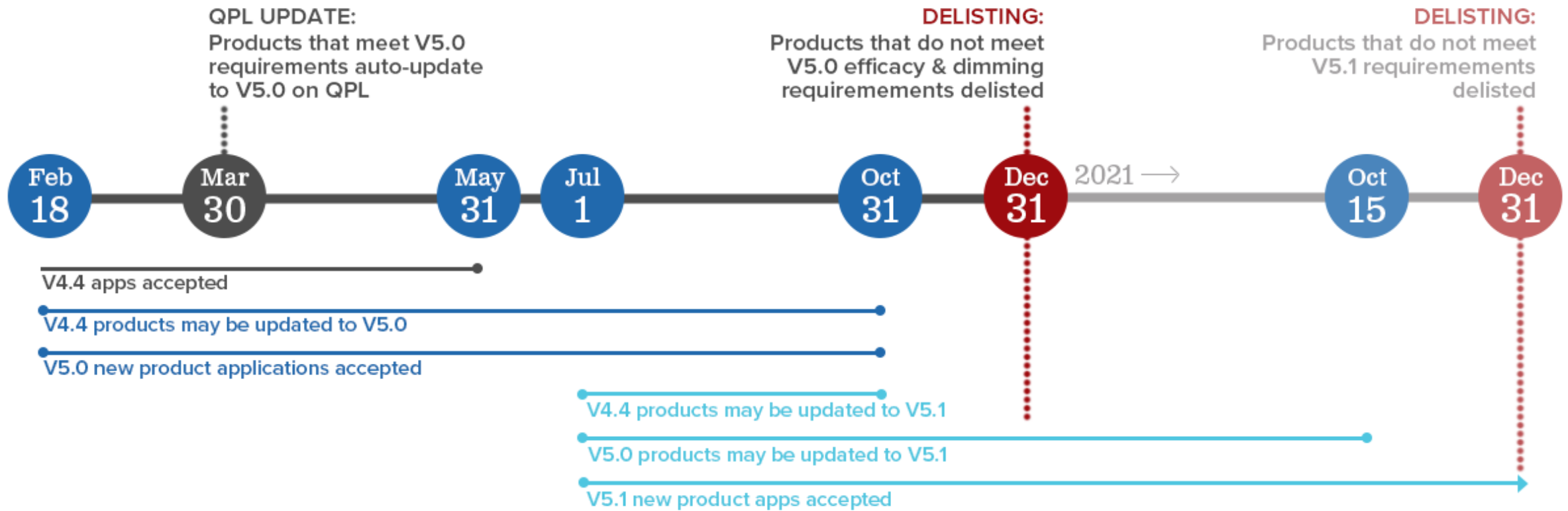
The DLC's Response



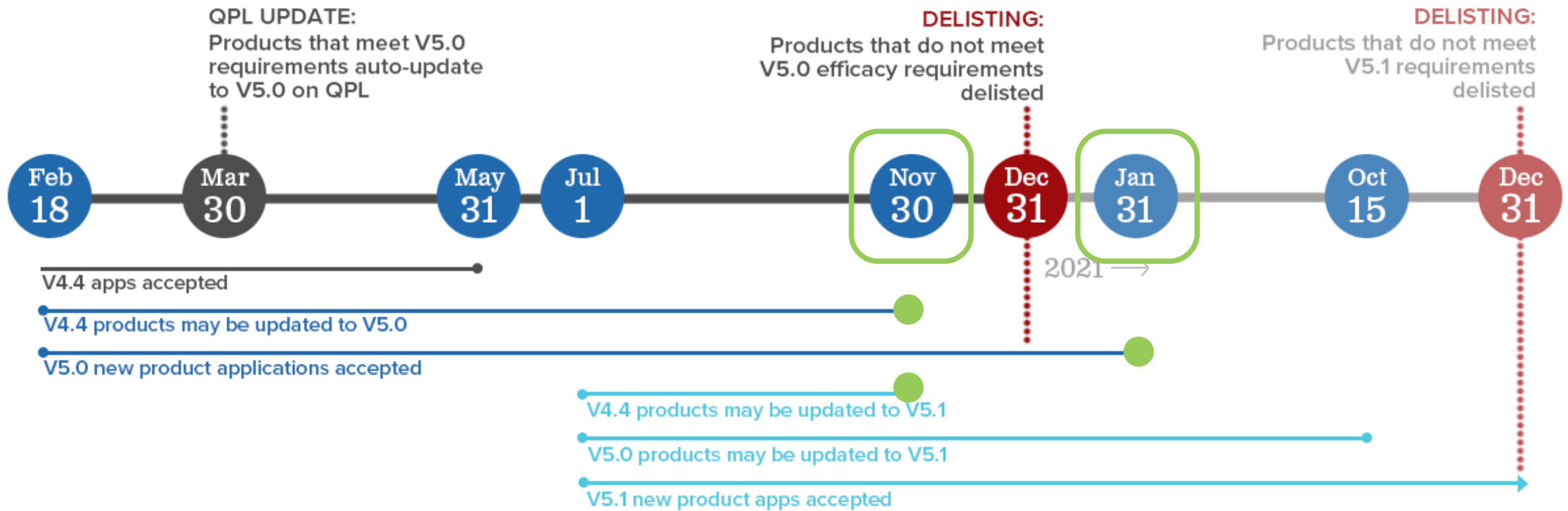
The DLC is a Consortium, our success is collective, and we are dedicated to work with our stakeholders to balance future needs with current realities. In response to feedback from manufacturers and others over the past several weeks, we are making some changes to the V5.0 SSL Technical Requirements, both in terms of timelines and the policy itself.



V5 Timeline as Released (February 14, 2020)



Updated and Extended Timeline (April 28, 2020)



Extended Timeline

- The extended timeline gives manufacturers more time to:
 - **Update V4.4 products to V5.0 and V5.1**
 - **Submit V5.0 new product applications**



V5 Requirements Summary

Topic	V4.4 to V5.0 Changes	V5.0 to V5.1 Changes
Efficacy	Efficacy is increased	New general application and update PUD
Color	None	Changes to chromaticity and color rendition requirements New color maintenance requirements
Light Distribution	None	Additional distribution requirements
Controllability	New DLC Standard dimming requirements	Comprehensive dimming requirements and controls reporting
Allowances	None	New allowances and higher maximum
DLC Premium	Increased efficacy and new dimming requirements	New color and discomfort glare requirements
Tolerances	None	New and updated tolerances
Lumen Maintenance	None	TM-21 Addendum B compliance and uneven intervals exception
Reference Housings	None	Removed for some lamps; replaced with beam angle requirement
Power Factor & THD	None	None
Warranty	None	None
Safety Certification	None	None

Updated V5 Requirements Summary

Topic	V4.4 to V5.0 Changes	V5.0 to V5.1 Changes
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V5.0 Dimming Requirements

- The original V5.0 policy required dimming for DLC Standard Indoor Luminaires and Indoor Retrofit Kits
- Postponing the DLC Standard dimming requirements means manufacturers must only meet the new efficacy requirements by December 31, 2020
 - If a product does not meet the new efficacy requirements of V5.0, manufacturers will still need to update
- QPL wide, this means that 46,600 more products, across 4,982 product families, meet the V5.0 requirements without needing to update
 - The next auto-update to V5.0 is still on schedule for June 3, 2020 and will include the products that don't meet the original V5.0 dimming requirements

Updated Documents

- The following documents have been updated to reflect these changes :
 - V5.0 Policy Document
 - V5.0 Technical Requirements Tables
 - Manufacturer and Industry Guidance



Solid-State Lighting (SSL) Technical Requirements Version 5.0

Final Version

Released: February 14, 2020

April 28, 2020 Update

To address the continuing disruptions to daily operations and supply chains due to COVID-19, dimming requirements V5.0 DLC Standard products have been revised and highlighted in this document. Additionally, timelines for updating V4.4 products and V5.0 new product applications have been extended, as shown in the V5 Manufacturer Guidance document. Please contact info@designlights.org with any questions.



Response Summary

- The last day **V4.4 products may be updated** to V5.0 and V5.1 has been extended by **1 month**
- The last day **V5.0 new product applications** are accepted has been extended by **3 months**
- **Dimming requirements for V5.0 Standard** products have been **postponed to V5.1**
- No requirements have changed for V5.0 Premium products



Conclusion



Conclusion

The DLC remains dedicated to our mission *to enable energy optimization through quality and connected solutions for people and the environment* and we will work with the EE community and the lighting industry to continue to deliver resources that support high quality, energy efficient lighting. In the meantime, the DLC staff hopes these amendments to V5.0 provide the industry with some relief in navigating this unprecedented time.

- The DLC will consider the industry's assessment of COVID-19 impacts as they relate to the V5.1 timeline in June 2020.
- As always, we are open to insight and better understanding of how your business has been or will be affected.

– Please email us at info@designlights.org with more information