

Date: 05/15/2016

Objective: Illumination Product Release Summary

Dear Valued Luminus Customer:

We are continuing to grow our Illumination portfolio with the introduction of a wide range of new COB and midpower products. Luminus now offers an Illumination portfolio rivaling the best in the industry. Through continued aggressive product release schedules, Luminus will retain its market leading position offering the widest selection of LED lighting product solutions.

The following is a summary of the latest new product highlights. A full list by part number is also included for reference in the following pages.

New COB Products

- Generation 3 COBs: delivering true 150lm/W performance at 3000K, 80 CRI, 85°C
 - Available key sizes, -9, -11, -14, -18, -22, -27 and -32 mm LES diameters
- 18V standard operating voltage for two key devices sizes
 - CHM-6 Gen 2 product family
 - CHM-9 Gen 2 product family
- 3500K, 80 CRI and 90 CRI in CHM-11 High Density products extending the Sensus, pure white LED product line

New MidPower Products

- Adding two new product families
 - a. MP-3014-1100 a 3V operating product
 - b. MP-3020-3100 a 9V standard operating voltage product

The Luminus Commercial Team



Product Change Notification

Generation 3 COB Products

<u>CLM-9-AC30 Gen 3</u>	<u>CXM-9-AC30 Gen 3</u>	<u>CXM-11-AC30 Gen 3</u>	<u>CLM-14-AC30 Gen 3</u>
CLM-9-27-80-36-AC30-F4-3	CXM-9-27-80-36-AC30-F4-3	CXM-11-27-80-36-AC30-F4-3	CLM-14-27-80-36-AC30-F4-3
CLM-9-27-90-36-AC30-F4-3	CXM-9-27-90-36-AC30-F4-3	CXM-11-27-90-36-AC30-F4-3	CLM-14-27-90-36-AC30-F4-3
CLM-9-27-95-36-AC30-F4-3	CXM-9-27-95-36-AC30-F4-3	CXM-11-27-95-36-AC30-F4-3	CLM-14-27-95-36-AC30-F4-3
CLM-9-30-80-36-AC30-F4-3	CXM-9-30-80-36-AC30-F4-3	CXM-11-30-80-36-AC30-F4-3	CLM-14-30-80-36-AC30-F4-3
CLM-9-30-90-36-AC30-F4-3	CXM-9-30-90-36-AC30-F4-3	CXM-11-30-90-36-AC30-F4-3	CLM-14-30-90-36-AC30-F4-3
CLM-9-30-95-36-AC30-F4-3	CXM-9-30-95-36-AC30-F4-3	CXM-11-30-95-36-AC30-F4-3	CLM-14-30-95-36-AC30-F4-3
CLM-9-30-80-36-AC32-F4-3	CXM-9-30-80-36-AC32-F4-3	CXM-11-30-80-36-AC32-F4-3	CLM-14-30-80-36-AC32-F4-3
CLM-9-30-90-36-AC32-F4-3	CXM-9-30-90-36-AC32-F4-3	CXM-11-30-90-36-AC32-F4-3	CLM-14-30-90-36-AC32-F4-3
CLM-9-35-80-36-AC30-F4-3	CXM-9-35-80-36-AC30-F4-3	CXM-11-35-80-36-AC30-F4-3	CLM-14-35-80-36-AC30-F4-3
CLM-9-35-90-36-AC30-F4-3	CXM-9-35-90-36-AC30-F4-3	CXM-11-35-90-36-AC30-F4-3	CLM-14-35-90-36-AC30-F4-3
CLM-9-35-95-36-AC30-F4-3	CXM-9-35-95-36-AC30-F4-3	CXM-11-35-95-36-AC30-F4-3	CLM-14-35-95-36-AC30-F4-3
CLM-9-35-80-36-AC32-F4-3	CXM-9-35-80-36-AC32-F4-3	CXM-11-35-80-36-AC32-F4-3	CLM-14-35-80-36-AC32-F4-3
CLM-9-35-90-36-AC32-F4-3	CXM-9-35-90-36-AC32-F4-3	CXM-11-35-90-36-AC32-F4-3	CLM-14-35-90-36-AC32-F4-3
CLM-9-40-70-36-AC30-F4-3	CXM-9-40-70-36-AC30-F4-3	CXM-11-40-70-36-AC30-F4-3	CLM-14-40-70-36-AC30-F4-3
CLM-9-40-80-36-AC30-F4-3	CXM-9-40-80-36-AC30-F4-3	CXM-11-40-80-36-AC30-F4-3	CLM-14-40-80-36-AC30-F4-3
CLM-9-40-90-36-AC30-F4-3	CXM-9-40-90-36-AC30-F4-3	CXM-11-40-90-36-AC30-F4-3	CLM-14-40-90-36-AC30-F4-3
CLM-9-40-95-36-AC30-F4-3	CXM-9-40-95-36-AC30-F4-3	CXM-11-40-95-36-AC30-F4-3	CLM-14-40-95-36-AC30-F4-3
CLM-9-50-70-36-AC30-F4-5	CXM-9-50-70-36-AC30-F4-5	CXM-11-50-70-36-AC30-F4-5	CLM-14-50-70-36-AC30-F4-5
CLM-9-50-70-36-AC30-F4-3	CXM-9-50-70-36-AC30-F4-3	CXM-11-50-70-36-AC30-F4-3	CLM-14-50-70-36-AC30-F4-3
CLM-9-50-80-36-AC30-F4-5	CXM-9-50-80-36-AC30-F4-5	CXM-11-50-80-36-AC30-F4-5	CLM-14-50-80-36-AC30-F4-5
CLM-9-50-80-36-AC30-F4-3	CXM-9-50-80-36-AC30-F4-3	CXM-11-50-80-36-AC30-F4-3	CLM-14-50-80-36-AC30-F4-3
CLM-9-50-90-36-AC30-F4-5	CXM-9-50-90-36-AC30-F4-5	CXM-11-50-90-36-AC30-F4-5	CLM-14-50-90-36-AC30-F4-5
CLM-9-50-90-36-AC30-F4-3	CXM-9-50-90-36-AC30-F4-3	CXM-11-50-90-36-AC30-F4-3	CLM-14-50-90-36-AC30-F4-3
CLM-9-65-70-36-AC30-F4-5	CXM-9-65-70-36-AC30-F4-5	CXM-11-65-70-36-AC30-F4-5	CLM-14-65-70-36-AC30-F4-5
CLM-9-65-70-36-AC30-F4-3	CXM-9-65-70-36-AC30-F4-3	CXM-11-65-70-36-AC30-F4-3	CLM-14-65-70-36-AC30-F4-3
CLM-9-65-80-36-AC30-F4-5	CXM-9-65-80-36-AC30-F4-5	CXM-11-65-80-36-AC30-F4-5	CLM-14-65-80-36-AC30-F4-5
CLM-9-65-80-36-AC30-F4-3	CXM-9-65-80-36-AC30-F4-3	CXM-11-65-80-36-AC30-F4-3	CLM-14-65-80-36-AC30-F4-3



Product Change Notification

Generation 3 COB Products (cont.)

<u>CXM-14-AC30 Gen 3</u>	<u>CXM-18-AA30 Gen 3</u>	<u>CLM-22-AC30 Gen 3</u>	<u>CXM-22-AC30 Gen 3</u>
CXM-14-27-80-36-AC30-F4-3	CXM-18-27-80-36-AA30-F4-3	CLM-22-22-70-36-AC30-F4-3	CXM-22-27-80-54-AC30-F4-3
CXM-14-27-90-36-AC30-F4-3	CXM-18-27-90-36-AA30-F4-3		CXM-22-27-90-54-AC30-F4-3
CXM-14-27-95-36-AC30-F4-3	CXM-18-27-95-36-AA30-F4-3	CLM-22-24-90-36-AC30-F4-3	CXM-22-27-95-54-AC30-F4-3
CXM-14-30-80-36-AC30-F4-3	CXM-18-30-80-36-AA30-F4-3	CLM-22-27-80-36-AC30-F4-3	CXM-22-30-80-54-AC30-F4-3
CXM-14-30-90-36-AC30-F4-3	CXM-18-30-90-36-AA30-F4-3	CLM-22-27-90-36-AC30-F4-3	CXM-22-30-90-54-AC30-F4-3
CXM-14-30-95-36-AC30-F4-3	CXM-18-30-95-36-AA30-F4-3	CLM-22-27-95-36-AC30-F4-3	CXM-22-30-95-54-AC30-F4-3
CXM-14-30-80-36-AC32-F4-3	CXM-18-30-80-36-AA32-F4-3	CLM-22-30-80-36-AC30-F4-3	CXM-22-30-80-54-AC32-F4-3
CXM-14-30-90-36-AC32-F4-3	CXM-18-30-90-36-AA32-F4-3	CLM-22-30-90-36-AC30-F4-3	CXM-22-30-90-54-AC32-F4-3
		CLM-22-30-95-36-AC30-F4-3	
CXM-14-35-80-36-AC30-F4-3	CXM-18-35-80-36-AA30-F4-3		CXM-22-35-80-54-AC30-F4-3
CXM-14-35-90-36-AC30-F4-3	CXM-18-35-90-36-AA30-F4-3	CLM-22-30-80-36-AC32-F4-3	CXM-22-35-90-54-AC30-F4-3
CXM-14-35-95-36-AC30-F4-3	CXM-18-35-95-36-AA30-F4-3	CLM-22-30-90-36-AC32-F4-3	CXM-22-35-95-54-AC30-F4-3
CXM-14-35-80-36-AC32-F4-3	CXM-18-35-80-36-AA32-F4-3	CLM-22-35-80-36-AC30-F4-3	CXM-22-35-80-54-AC32-F4-3
CXM-14-35-90-36-AC32-F4-3	CXM-18-35-90-36-AA32-F4-3	CLM-22-35-90-36-AC30-F4-3	CXM-22-35-90-54-AC32-F4-3
		CLM-22-35-95-36-AC30-F4-3	
CXM-14-40-70-36-AC30-F4-3	CXM-18-40-70-36-AA30-F4-3		CXM-22-40-70-54-AC30-F4-3
CXM-14-40-80-36-AC30-F4-3	CXM-18-40-80-36-AA30-F4-3	CLM-22-35-80-36-AC32-F4-3	CXM-22-40-80-54-AC30-F4-3
CXM-14-40-90-36-AC30-F4-3	CXM-18-40-90-36-AA30-F4-3	CLM-22-35-90-36-AC32-F4-3	CXM-22-40-90-54-AC30-F4-3
CXM-14-40-95-36-AC30-F4-3	CXM-18-40-95-36-AA30-F4-3		CXM-22-40-95-54-AC30-F4-3
		CLM-22-40-70-36-AC30-F4-3	
CXM-14-50-70-36-AC30-F4-5	CXM-18-50-70-36-AA30-F4-5	CLM-22-40-80-36-AC30-F4-3	CXM-22-50-70-54-AC30-F4-5
CXM-14-50-70-36-AC30-F4-3	CXM-18-50-70-36-AA30-F4-3	CLM-22-40-90-36-AC30-F4-3	CXM-22-50-70-54-AC30-F4-3
CXM-14-50-80-36-AC30-F4-5	CXM-18-50-80-36-AA30-F4-5	CLM-22-40-95-36-AC30-F4-3	CXM-22-50-80-54-AC30-F4-5
CXM-14-50-80-36-AC30-F4-3	CXM-18-50-80-36-AA30-F4-3		CXM-22-50-80-54-AC30-F4-3
CXM-14-50-90-36-AC30-F4-5	CXM-18-50-90-36-AA30-F4-5	CLM-22-50-70-36-AC30-F4-5	CXM-22-50-90-54-AC30-F4-5
CXM-14-50-90-36-AC30-F4-3	CXM-18-50-90-36-AA30-F4-3	CLM-22-50-70-36-AC30-F4-3	CXM-22-50-90-54-AC30-F4-3
		CLM-22-50-80-36-AC30-F4-5	
CXM-14-65-70-36-AC30-F4-5	CXM-18-65-70-36-AA30-F4-5	CLM-22-50-80-36-AC30-F4-3	CXM-22-65-70-54-AC30-F4-5
CXM-14-65-70-36-AC30-F4-3	CXM-18-65-70-36-AA30-F4-3	CLM-22-50-90-36-AC30-F4-5	CXM-22-65-70-54-AC30-F4-3
CXM-14-65-80-36-AC30-F4-5	CXM-18-65-80-36-AA30-F4-5	CLM-22-50-90-36-AC30-F4-3	CXM-22-65-80-54-AC30-F4-5
CXM-14-65-80-36-AC30-F4-3	CXM-18-65-80-36-AA30-F4-3		CXM-22-65-80-54-AC30-F4-3
		CLM-22-65-70-36-AC30-F4-5	
		CLM-22-65-70-36-AC30-F4-3	
		CLM-22-65-80-36-AC30-F4-5	
		CLM-22-65-80-36-AC30-F4-3	

Generation 3 COB Products (cont.)

<u>CXM-27-AA30 Gen 3</u>	<u>CXM-32-AC30 Gen 3</u>
CXM-27-27-80-54-AA30-F4-3	CXM-32-27-80-54-AC30-F4-3
CXM-27-27-90-54-AA30-F4-3	CXM-32-27-90-54-AC30-F4-3
CXM-27-27-95-54-AA30-F4-3	CXM-32-27-95-54-AC30-F4-3
CXM-27-30-80-54-AA30-F4-3	CXM-32-30-80-54-AC30-F4-3
CXM-27-30-90-54-AA30-F4-3	CXM-32-30-90-54-AC30-F4-3
CXM-27-30-95-54-AA30-F4-3	CXM-32-30-95-54-AC30-F4-3
CXM-27-30-80-54-AA32-F4-3	CXM-32-30-80-54-AC32-F4-3
CXM-27-30-90-54-AA32-F4-3	CXM-32-30-90-54-AC32-F4-3
CXM-27-35-80-54-AA30-F4-3	CXM-32-35-80-54-AC30-F4-3
CXM-27-35-90-54-AA30-F4-3	CXM-32-35-90-54-AC30-F4-3
CXM-27-35-95-54-AA30-F4-3	CXM-32-35-95-54-AC30-F4-3
CXM-27-35-80-54-AA32-F4-3	CXM-32-35-80-54-AC32-F4-3
CXM-27-35-90-54-AA32-F4-3	CXM-32-35-90-54-AC32-F4-3
CXM-27-40-70-54-AA30-F4-3	CXM-32-40-70-54-AC30-F4-3
CXM-27-40-80-54-AA30-F4-3	CXM-32-40-80-54-AC30-F4-3
CXM-27-40-90-54-AA30-F4-3	CXM-32-40-90-54-AC30-F4-3
CXM-27-40-95-54-AA30-F4-3	CXM-32-40-95-54-AC30-F4-3
CXM-27-50-70-54-AA30-F4-5	CXM-32-50-70-54-AC30-F4-5
CXM-27-50-70-54-AA30-F4-3	CXM-32-50-70-54-AC30-F4-3
CXM-27-50-80-54-AA30-F4-5	CXM-32-50-80-54-AC30-F4-5
CXM-27-50-80-54-AA30-F4-3	CXM-32-50-80-54-AC30-F4-3
CXM-27-50-90-54-AA30-F4-5	CXM-32-50-90-54-AC30-F4-5
CXM-27-50-90-54-AA30-F4-3	CXM-32-50-90-54-AC30-F4-3
CXM-27-65-70-54-AA30-F4-5	CXM-32-65-70-54-AC30-F4-5
CXM-27-65-70-54-AA30-F4-3	CXM-32-65-70-54-AC30-F4-3
CXM-27-65-80-54-AA30-F4-5	CXM-32-65-80-54-AC30-F4-5
CXM-27-65-80-54-AA30-F4-3	CXM-32-65-80-54-AC30-F4-3

Additional Released COB Products

<u>CHM-6 18V Gen 2</u>	<u>CHM-9-AC10 Gen 2</u>	<u>CHM-11-XH00 3500K Sensus</u>
CHM-6-27-80-18-AA10-F3-3	CHM-9-27-80-18-AC10-F3-3	CHM-11-35-80-36-XH02-F2-3
CHM-6-27-90-18-AA10-F3-3	CHM-9-27-90-18-AC10-F3-3	CHM-11-35-90-36-XH02-F2-3
CHM-6-27-95-18-AA10-F3-3	CHM-9-27-95-18-AC10-F3-3	
CHM-6-30-80-18-AA10-F3-3	CHM-9-30-80-18-AC10-F3-3	
CHM-6-30-90-18-AA10-F3-3	CHM-9-30-90-18-AC10-F3-3	
CHM-6-30-95-18-AA10-F3-3	CHM-9-30-95-18-AC10-F3-3	
CHM-6-30-80-18-AA12-F3-3	CHM-9-30-80-18-AC12-F3-3	
CHM-6-30-90-18-AA12-F3-3	CHM-9-30-90-18-AC12-F3-3	
CHM-6-35-80-18-AA10-F3-3	CHM-9-35-80-18-AC10-F3-3	
CHM-6-35-90-18-AA10-F3-3	CHM-9-35-90-18-AC10-F3-3	
CHM-6-40-80-18-AA10-F3-3	CHM-9-35-80-18-AC12-F3-3	
CHM-6-40-90-18-AA10-F3-3	CHM-9-35-90-18-AC12-F3-3	
CHM-6-50-80-18-AA10-F3-5	CHM-9-40-80-18-AC10-F3-3	
CHM-6-50-90-18-AA10-F3-5	CHM-9-40-90-18-AC10-F3-3	
CHM-6-50-80-18-AA10-F3-3		
CHM-6-50-90-18-AA10-F3-3	CHM-9-50-80-18-AC10-F3-5	
	CHM-9-50-80-18-AC10-F3-3	
CHM-6-65-80-18-AA10-F3-5		
CHM-6-65-80-18-AA10-F3-3	CHM-9-65-80-18-AC10-F3-5	
	CHM-9-65-80-18-AC10-F3-3	

New Midpower Products

MP-3014-1100 (3V) Product	MP-3020 Products (9V)
MP-3014-1100-40-70	MP-3020-3100-40-70
MP-3014-1100-50-70	MP-3020-3100-50-70
MP-3014-1100-57-70	MP-3020-3100-57-70
MP-3014-1100-65-70	MP-3020-3100-65-70
MP-3014-1100-27-80	MP-3020-3100-27-80
MP-3014-1100-30-80	MP-3020-3100-30-80
MP-3014-1100-40-80	MP-3020-3100-40-80
MP-3014-1100-50-80	MP-3020-3100-50-80
MP-3014-1100-57-80	MP-3020-3100-57-80
MP-3014-1100-65-80	MP-3020-3100-65-80
MP-3014-1100-27-90	MP-3020-3100-27-90
MP-3014-1100-30-90	MP-3020-3100-30-90
MP-3014-1100-40-90	MP-3020-3100-40-90