

Patent Marking Lists for Cree® LED Components

High-Brightness LED Components (blue, green and white)

These products are covered by the respective patents listed below:

Pat. 7,446,345	Pat. 8,049,230	Pat. 8,350,370	Pat. 8,487,326	Pat. 8,669,565
Pat. 8,901,583	Pat. 9,054,253	Pat. 9,112,083	Pat. 9,240,395	Pat. 9,461,217
Pat. 9,634,209	Pat. 9,685,592	Pat. 9,722,158	Pat. 9,831,393	Pat. D684,545
Pat. D691,100				

XLamp® CXA and CXB LED Components

These products are covered by the respective patents listed below:

Pat. 7,446,345	Pat. 8,669,573	Pat. 8,895,998	Pat. 9,000,470	Pat. 9,054,253
Pat. 9,112,083	Pat. 9,640,737	Pat. 9,660,153	Pat. 9,673,363	Pat. 9,754,926
Pat. D712,850	Pat. D721,339			

XLamp® MC-E LED Components (blue, green and white)

These products are covered by the respective patents listed below:

Pat. 7,335,920	Pat. 7,446,345	Pat. 7,655,957	Pat. 7,659,551	Pat. 7,704,763
Pat. 7,960,819	Pat. 8,044,418	Pat. 8,193,547	Pat. 8,378,374	Pat. 8,896,008
Pat. 9,054,253	Pat. 9,112,083	Pat. 9,159,888		

XLamp® MHB and MHD LED Components (blue, green and white)

These products are covered by the respective patents listed below:

Pat. 7,446,345	Pat. 8,167,463	Pat. 8,622,582	Pat. 9,054,253	Pat. 9,112,083
Pat. 9,691,949				

XLamp® MK-R LED Components

These products are covered by the respective patents listed below:

Pat. 7,335,920	Pat. 7,446,345	Pat. 7,704,763	Pat. 7,808,013	Pat. 8,039,859
Pat. 8,167,463	Pat. 8,217,412	Pat. 8,608,349	Pat. 8,622,582	Pat. 8,896,008
Pat. 9,054,253	Pat. 9,070,850	Pat. 9,112,083	Pat. 9,159,888	Pat. 9,627,361
Pat. D658,139	Pat. D615,504			

XLamp® MK-R2 LED Components

These products are covered by the respective patents listed below:

Pat. 7,335,920	Pat. 7,446,345	Pat. 7,808,013	Pat. 7,943,952	Pat. 8,039,859
Pat. 8,167,463	Pat. 8,217,412	Pat. 8,608,349	Pat. 8,957,430	Pat. 9,041,042
Pat. 9,054,253	Pat. 9,070,850	Pat. 9,093,616	Pat. 9,112,083	Pat. 9,640,737
Pat. 9,660,153	Pat. 9,673,363	Pat. 9,754,926	Pat. 9,831,220	Pat. D615,504
Pat. D656,906	Pat. D658,139	Pat. D671,661		

XLamp® ML-B LED Components (blue, green and white)

These products are covered by the respective patents listed below:

Pat. 7,335,920	Pat. 7,446,345	Pat. 7,704,763	Pat. 8,269,244	Pat. 9,054,253
Pat. 9,112,083	Pat. D615,504	Pat. D648,686	Pat. D659,657	

XLamp® ML-C and ML-E LED Components (blue, green and white)

These products are covered by the respective patents listed below:

Pat. 7,446,345	Pat. 8,269,244	Pat. 9,054,253	Pat. 9,112,083	Pat. D648,686
Pat. D659,657				

XLamp® MP-L EasyWhite® LED Components

These products are covered by the respective patents listed below:

Pat. 7,335,920	Pat. 7,446,345	Pat. 7,704,763	Pat. 7,821,023	Pat. 8,039,859
Pat. 8,167,463	Pat. 8,217,412	Pat. 8,608,349	Pat. 8,622,582	Pat. 8,896,008
Pat. 9,070,850	Pat. 9,054,253	Pat. 9,112,083	Pat. 9,159,888	Pat. D656,906
Pat. D671,661				

XLamp® MT-G LED Components

These products are covered by the respective patents listed below:

Pat. 7,335,920	Pat. 7,446,345	Pat. 7,704,763	Pat. 7,808,013	Pat. 8,039,859
Pat. 8,167,463	Pat. 8,217,412	Pat. 8,608,349	Pat. 8,622,582	Pat. 8,896,008
Pat. 9,054,253	Pat. 9,070,850	Pat. 9,112,083	Pat. 9,159,888	Pat. D615,504
Pat. D658,139				

XLamp® MT-G2 EasyWhite® LED Components

These products are covered by the respective patents listed below:

Pat. 7,335,920	Pat. 7,446,345	Pat. 7,808,013	Pat. 7,943,952	Pat. 8,039,859
Pat. 8,167,463	Pat. 8,217,412	Pat. 8,608,349	Pat. 8,957,430	Pat. 9,041,042
Pat. 9,054,253	Pat. 9,070,850	Pat. 9,093,616	Pat. 9,112,083	Pat. 9,640,737
Pat. 9,660,153	Pat. 9,673,363	Pat. 9,754,926	Pat. 9,831,220	Pat. D615,504
Pat. D656,906	Pat. D658,139	Pat. D671,661		

XLamp® MX-3 LED Components

These products are covered by the respective patents listed below:

Pat. 7,446,345	Pat. 7,923,739	Pat. 8,269,244	Pat. 8,497,522	Pat. 9,054,253
Pat. 9,112,083	Pat. D621,799	Pat. D635,527	Pat. D641,719	

XLamp® MX-6 LED Components

These products are covered by the respective patents listed below:

Pat. 7,446,345	Pat. 7,923,739	Pat. 8,269,244	Pat. 8,497,522	Pat. 9,054,253
Pat. 9,112,083	Pat. D621,799	Pat. D635,527	Pat. D641,719	

XLamp® XB-D LED Components

These products are covered by the respective patents listed below:

Pat. 7,446,345	Pat. 7,692,209	Pat. 7,808,013	Pat. 7,858,998	Pat. 7,943,952
Pat. 8,039,859	Pat. 8,167,463	Pat. 8,608,349	Pat. 8,622,582	Pat. 8,957,430
Pat. 9,054,253	Pat. 9,070,850	Pat. 9,093,616	Pat. 9,112,083	Pat. 9,640,737
Pat. 9,660,153	Pat. 9,673,363	Pat. 10,008,637	Pat. D615,504	Pat. D656,906
Pat. D671,661				

XLamp® XB-H LED Components

These products are covered by the respective patents listed below:

Pat. 7,335,920	Pat. 7,446,345	Pat. 7,704,763	Pat. 7,808,013	Pat. 7,858,998
Pat. 8,039,859	Pat. 8,167,463	Pat. 8,608,349	Pat. 8,622,582	Pat. 8,803,201
Pat. 8,866,169	Pat. 8,896,008	Pat. 9,012,938	Pat. 9,054,253	Pat. 9,070,850
Pat. 9,105,824	Pat. 9,112,083	Pat. 9,159,888	Pat. 9,887,327	Pat. D718,725
Pat. D746,240	Pat. D790,486			

XLamp® XB-E and XB-G High Voltage LED Components

These products are covered by the respective patents listed below:

Pat. 7,446,345	Pat. 7,808,013	Pat. 7,858,998	Pat. 7,943,952	Pat. 8,039,859
Pat. 8,167,463	Pat. 8,608,349	Pat. 8,622,582	Pat. 8,957,430	Pat. 9,054,253
Pat. 9,070,850	Pat. 9,093,616	Pat. 9,112,083	Pat. D615,504	Pat. D711,840

XLamp® XD-16 Components

These products are covered by the respective patents listed below:

Pat. 9,640,737	Pat. 9,660,153	Pat. 9,673,363
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XLamp® XH-B and XH-G LED Components

These products are covered by the respective patents listed below:

Pat. 7,446,345	Pat. 9,054,253	Pat. 9,112,083	Pat. 9,780,268	Pat. D738,832
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XLamp® XHP35 LED Components

These products are covered by the respective patents listed below:

Pat. 7,335,920	Pat. 7,446,345	Pat. 7,704,763	Pat. 7,808,013	Pat. 7,858,998
Pat. 8,039,859	Pat. 8,167,463	Pat. 8,608,349	Pat. 8,622,582	Pat. 8,803,201
Pat. 8,866,169	Pat. 8,896,008	Pat. 9,012,938	Pat. 9,054,253	Pat. 9,070,850
Pat. 9,105,824	Pat. 9,112,083	Pat. 9,159,888	Pat. 9,728,676	Pat. 9,887,327
Pat. D718,725	Pat. D746,240	Pat. D790,486	Pat. D826,871	

XLamp® XHP35.2 LED Components

These products are covered by the respective patents listed below:

Pat. 7,335,920	Pat. 7,446,345	Pat. 7,704,763	Pat. 7,808,013	Pat. 7,858,998
Pat. 8,039,859	Pat. 8,167,463	Pat. 8,608,349	Pat. 8,622,582	Pat. 8,803,201
Pat. 8,866,169	Pat. 8,896,008	Pat. 9,012,938	Pat. 9,054,253	Pat. 9,070,850
Pat. 9,105,824	Pat. 9,112,083	Pat. 9,159,888	Pat. 9,728,676	Pat. 9,887,327
Pat. D718,725	Pat. D746,240	Pat. D790,486	Pat. D826,871	

XLamp® XHP50 and XHP70 LED Components

These products are covered by the respective patents listed below:

Pat. 7,335,920	Pat. 7,446,345	Pat. 7,704,763	Pat. 7,808,013	Pat. 8,039,859
Pat. 8,803,201	Pat. 8,896,008	Pat. 9,012,938	Pat. 9,054,253	Pat. 9,070,850
Pat. 9,105,824	Pat. 9,112,083	Pat. 9,159,888	Pat. 9,887,327	Pat. D718,725
Pat. D746,240	Pat. D790,486	Pat. D826,871		

XLamp® XHP50.2 and XHP70.2 LED Components

These products are covered by the respective patents listed below:

Pat. 7,335,920	Pat. 7,446,345	Pat. 7,704,763	Pat. 7,808,013	Pat. 7,858,998
Pat. 8,039,859	Pat. 8,167,463	Pat. 8,608,349	Pat. 8,622,582	Pat. 8,896,008
Pat. 9,054,253	Pat. 9,070,850	Pat. 9,105,824	Pat. 9,112,083	Pat. 9,159,888
Pat. 9,640,737	Pat. 9,660,153	Pat. 9,673,363	Pat. 9,754,926	Pat. 9,831,220
Pat. 9,887,327	Pat. D718,725	Pat. D746,240	Pat. D826,871	

XLamp® XM-L LED Components

These products are covered by the respective patents listed below:

Pat. 7,335,920	Pat. 7,446,345	Pat. 7,704,763	Pat. 7,808,013	Pat. 7,858,998
Pat. 8,039,859	Pat. 8,167,463	Pat. 8,608,349	Pat. 8,622,582	Pat. 8,696,159
Pat. 8,896,008	Pat. 9,054,253	Pat. 9,070,850	Pat. 9,112,083	Pat. 9,159,888
Pat. 9,887,327	Pat. D615,504	Pat. D656,906	Pat. D671,661	Pat. D691,569
Pat. D709,464				

XLamp® XM-L EasyWhite LED Components

These products are covered by the respective patents listed below:

Pat. 7,335,920	Pat. 7,446,345	Pat. 7,704,763	Pat. 7,808,013	Pat. 7,858,998
Pat. 8,039,859	Pat. 8,167,463	Pat. 8,608,349	Pat. 8,622,582	Pat. 8,696,159
Pat. 8,896,008	Pat. 9,070,850	Pat. 9,054,253	Pat. 9,112,083	Pat. 9,159,888
Pat. 9,627,361	Pat. D615,504	Pat. D656,906	Pat. D671,661	Pat. D691,569
Pat. D709,464				

XLamp® XM-L2 LED Components

These products are covered by the respective patents listed below:

Pat. 7,335,920	Pat. 7,446,345	Pat. 7,704,763	Pat. 7,808,013	Pat. 7,858,998
Pat. 8,039,859	Pat. 8,167,463	Pat. 8,608,349	Pat. 8,622,582	Pat. 8,696,159
Pat. 8,896,008	Pat. 9,054,253	Pat. 9,070,850	Pat. 9,112,083	Pat. 9,159,888
Pat. 9,627,361	Pat. D615,504	Pat. D656,906	Pat. D671,661	Pat. D691,569
Pat. D709,464				

XLamp® XM-L2 EasyWhite LED Components

These products are covered by the respective patents listed below:

Pat. 7,335,920	Pat. 7,446,345	Pat. 7,704,763	Pat. 7,858,998	Pat. 8,039,859
Pat. 7,808,013	Pat. 8,167,463	Pat. 8,608,349	Pat. 8,622,582	Pat. 8,696,159
Pat. 8,896,008	Pat. 9,054,253	Pat. 9,070,850	Pat. 9,112,083	Pat. 9,159,888
Pat. D615,504	Pat. D656,906	Pat. D671,661	Pat. D691,569	Pat. D709,464

XLamp® XM-L High-Voltage LED Components

These products are covered by the respective patents listed below:

Pat. 7,446,345	Pat. 7,808,013	Pat. 7,858,998	Pat. 7,943,952	Pat. 8,039,859
Pat. 8,167,463	Pat. 8,608,349	Pat. 8,622,582	Pat. 8,957,430	Pat. 9,054,253
Pat. 9,070,850	Pat. 9,093,616	Pat. 9,112,083	Pat. D691,569	Pat. D615,504
Pat. D656,906	Pat. D671,661			

XLamp® XM-L Color LED Components

These products are covered by the respective patents listed below:

Pat. 7,335,920	Pat. 7,446,345	Pat. 7,704,763	Pat. 7,808,013	Pat. 7,858,998
Pat. 7,967,652	Pat. 8,167,463	Pat. 8,622,582	Pat. 8,608,349	Pat. 8,896,008
Pat. 9,054,253	Pat. 9,070,850	Pat. 9,112,083	Pat. 9,159,888	Pat. D615,504
Pat. D656,906	Pat. D671,661	Pat. D691,569	Pat. D711,841	

XLamp® XP LED Components (blue, green and white)

These products are covered by the respective patents listed below:

Pat. 7,335,920	Pat. 7,446,345	Pat. 7,704,763	Pat. 7,808,013	Pat. 7,858,998
Pat. 8,039,859	Pat. 8,167,463	Pat. 8,455,909	Pat. 8,608,349	Pat. 8,622,582
Pat. 8,896,008	Pat. 9,054,253	Pat. 9,070,850	Pat. 9,112,083	Pat. 9,159,888
Pat. D615,504	Pat. D656,906	Pat. D671,661		

XLamp® XP-C LED Components (blue, green and white)

These products are covered by the respective patents listed below:

Pat. 7,335,920	Pat. 7,446,345	Pat. 7,704,763	Pat. 7,808,013	Pat. 7,858,998
Pat. 8,039,859	Pat. 8,167,463	Pat. 8,455,909	Pat. 8,608,349	Pat. 8,622,582
Pat. 8,896,008	Pat. 9,054,253	Pat. 9,070,850	Pat. 9,112,083	Pat. 9,159,888
Pat. D615,504	Pat. D656,906	Pat. D671,661		

XLamp® XP-E LED Components (blue, green and white)

These products are covered by the respective patents listed below:

Pat. 7,335,920	Pat. 7,446,345	Pat. 7,704,763	Pat. 7,808,013	Pat. 7,858,998
Pat. 8,039,859	Pat. 8,167,463	Pat. 8,455,909	Pat. 8,608,349	Pat. 8,622,582
Pat. 8,896,008	Pat. 9,054,253	Pat. 9,070,850	Pat. 9,112,083	Pat. 9,159,888
Pat. 9,640,737*	Pat. 9,660,153*	Pat. 9,673,363*	Pat. D602,450	Pat. D615,504
Pat. D656,906	Pat. D671,661			

**White Only*

XLamp® XP-E2 LED Components (blue, green and white)

These products are covered by the respective patents listed below:

Pat. 7,335,920	Pat. 7,446,345	Pat. 7,704,763	Pat. 7,808,013	Pat. 7,858,998
Pat. 8,039,859	Pat. 8,167,463	Pat. 8,455,909	Pat. 8,608,349	Pat. 8,622,582
Pat. 8,896,008	Pat. 9,054,253	Pat. 9,070,850	Pat. 9,112,083	Pat. 9,159,888
Pat. D615,504	Pat. D656,906	Pat. D671,661		

XLamp® XP LED Components (red)

These products are covered by the respective patents listed below:

Pat. 7,808,013	Pat. 8,039,859	Pat. 8,167,463	Pat. 8,455,909	Pat. 8,608,349
Pat. 8,622,582	Pat. 9,070,850	Pat. D615,504	Pat. D656,906	Pat. D671,661

XLamp® XP-G LED Components (blue, green and white)

These products are covered by the respective patents listed below:

Pat. 7,335,920	Pat. 7,446,345	Pat. 7,704,763	Pat. 7,808,013	Pat. 7,858,998
Pat. 8,039,859	Pat. 8,167,463	Pat. 8,455,909	Pat. 8,608,349	Pat. 8,622,582
Pat. 8,896,008	Pat. 9,054,253	Pat. 9,070,850	Pat. 9,112,083	Pat. 9,159,888
Pat. D615,504	Pat. D656,906	Pat. D671,661		

XLamp® XP-G2 LED Components (blue, green and white)

These products are covered by the respective patents listed below:

Pat. 7,335,920	Pat. 7,446,345	Pat. 7,704,763	Pat. 7,808,013	Pat. 7,858,998
Pat. 8,039,859	Pat. 8,167,463	Pat. 8,455,909	Pat. 8,608,349	Pat. 8,622,582
Pat. 8,896,008	Pat. 9,054,253	Pat. 9,070,850	Pat. 9,112,083	Pat. 9,159,888
Pat. D615,504	Pat. D656,906	Pat. D671,661		

XLamp® XP-G3 LED Components (blue, green and white)

These products are covered by the respective patents listed below:

Pat. 7,335,920	Pat. 7,446,345	Pat. 7,704,763	Pat. 7,808,013	Pat. 7,858,998
Pat. 8,039,859	Pat. 8,167,463	Pat. 8,455,909	Pat. 8,608,349	Pat. 8,622,582
Pat. 8,896,008	Pat. 9,054,253	Pat. 9,070,850	Pat. 9,112,083	Pat. 9,159,888
Pat. 9,640,737	Pat. 9,660,153	Pat. 9,673,363	Pat. D615,504	Pat. D656,906
Pat. D671,661				

XLamp® XP-L LED Components

These products are covered by the respective patents listed below:

Pat. 7,335,920	Pat. 7,446,345	Pat. 7,704,763	Pat. 7,808,013	Pat. 7,858,998
Pat. 8,039,859	Pat. 8,167,463	Pat. 8,455,909	Pat. 8,608,349	Pat. 8,622,582
Pat. 8,803,201	Pat. 8,866,169	Pat. 8,896,008	Pat. 9,012,938	Pat. 9,054,253
Pat. 9,070,850	Pat. 9,105,824	Pat. 9,112,083	Pat. 9,159,888	Pat. 9,887,327
Pat. D718,725	Pat. D746,240	Pat. D790,486		

XLamp® XP-L2 LED Components

These products are covered by the respective patents listed below:

Pat. 7,335,920	Pat. 7,446,345	Pat. 7,704,763	Pat. 7,808,013	Pat. 7,858,998
Pat. 8,039,859	Pat. 8,167,463	Pat. 8,455,909	Pat. 8,608,349	Pat. 8,622,582
Pat. 8,866,169	Pat. 8,896,008	Pat. 9,054,253	Pat. 9,070,850	Pat. 9,105,824
Pat. 9,112,083	Pat. 9,159,888	Pat. 9,640,737	Pat. 9,660,153	Pat. 9,673,363
Pat. 9,887,327	Pat. D718,725	Pat. D746,240	Pat. D790,486	

XLamp® XQ-A Components

These products are covered by the respective patents listed below:

Pat. 7,446,345	Pat. 7,808,013	Pat. 8,608,349	Pat. 8,803,201	Pat. 8,866,169
Pat. 9,012,938	Pat. 9,054,253	Pat. 9,105,824	Pat. 9,112,083	Pat. 9,887,327
Pat. D718,725	Pat. D746,240			

XLamp® XQ-B and XQ-D LED Components

These products are covered by the respective patents listed below:

Pat. 7,446,345	Pat. 7,943,952	Pat. 8,039,859	Pat. 8,608,349	Pat. 9,048,396
Pat. 9,054,253	Pat. 9,112,083	Pat. 9,640,737	Pat. 9,660,153	Pat. 9,673,363
Pat. 9,754,926*	Pat. D718,258	Pat. D711,840		

**XQ-B Royal Blue Only*

XLamp® XQ-E Components

These products are covered by the respective patents listed below:

Pat. 7,446,345	Pat. 7,808,013	Pat. 8,039,859	Pat. 8,608,349	Pat. 8,803,201*
Pat. 8,866,169	Pat. 9,012,938*	Pat. 9,054,253	Pat. 9,105,824*	Pat. 9,112,083
Pat. 9,887,327	Pat. D718,725	Pat. D746,240	Pat. D783,547*	Pat. D790,486

**high intensity only*

XLamp® XR LED Components (blue, green and white)

These products are covered by the respective patents listed below:

Pat. 7,264,378	Pat. 7,335,920	Pat. 7,446,345	Pat. 7,612,383	Pat. 7,659,551
Pat. 7,774,763	Pat. 7,775,685	Pat. 7,808,013	Pat. 7,976,186	Pat. 8,167,463
Pat. 8,188,488	Pat. 8,608,349	Pat. 8,622,582	Pat. 8,896,008	Pat. 9,054,253
Pat. 9,112,083	Pat. 9,159,888	Pat. D640,645	Pat. D681,573	Pat. D623,607

XLamp® XR-C LED Components (blue, green and white)

These products are covered by the respective patents listed below:

Pat. 7,264,378	Pat. 7,335,920	Pat. 7,446,345	Pat. 7,612,383	Pat. 7,659,551
Pat. 7,704,763	Pat. 7,775,685	Pat. 7,808,013	Pat. 7,976,186	Pat. 8,167,463
Pat. 8,188,488	Pat. 8,608,349	Pat. 8,896,008	Pat. 9,054,253	Pat. 9,112,083
Pat. 9,159,888	Pat. D640,645	Pat. D681,573	Pat. D623,607	

XLamp® XR-E LED Components (blue, green and white)

These products are covered by the respective patents listed below:

Pat. 7,264,378	Pat. 7,335,920	Pat. 7,446,345	Pat. 7,612,383	Pat. 7,659,551
Pat. 7,704,763	Pat. 7,775,685	Pat. 7,808,013	Pat. 7,976,186	Pat. 8,167,463
Pat. 8,188,488	Pat. 8,608,349	Pat. 8,896,008	Pat. 9,054,253	Pat. 9,112,083
Pat. 9,159,888	Pat. D640,645	Pat. D681,573	Pat. D623,607	

XLamp® XR LED Components (red)

These products are covered by the respective patents listed below:

Pat. 7,264,378	Pat. 7,612,383	Pat. 7,659,551	Pat. 7,775,685	Pat. 7,976,186
Pat. 8,188,488	Pat. D640,645	Pat. D681,573		

XLamp® XT-E LED Components (white)

These products are covered by the respective patents listed below:

Pat. 7,446,345	Pat. 7,808,013	Pat. 7,858,998	Pat. 7,943,952	Pat. 8,039,859
Pat. 8,167,463	Pat. 8,608,349	Pat. 8,622,582	Pat. 9,054,253	Pat. 9,070,850
Pat. 9,112,083	Pat. 9,640,737	Pat. 9,660,153	Pat. 9,673,363	Pat. 9,640,737
Pat. 9,660,153	Pat. 9,673,363	Pat. D615,504	Pat. D656,906	Pat. D671,661
Pat. D691,973				

XLamp® XT-E LED Components (royal blue)

These products are covered by the respective patents listed below:

Pat. 7,446,345	Pat. 7,808,013	Pat. 7,858,998	Pat. 8,167,463	Pat. 8,608,349
Pat. 8,622,582	Pat. 9,054,253	Pat. 9,070,850	Pat. 9,112,083	Pat. 9,640,737
Pat. 9,660,153	Pat. 9,673,363	Pat. D615,504	Pat. D656,906	Pat. D671,661
Pat. D691,973				

XLamp® XT-E High-Voltage LED Components

These products are covered by the respective patents listed below:

Pat. 7,446,345	Pat. 7,808,013	Pat. 7,858,998	Pat. 7,943,952	Pat. 8,039,859
Pat. 8,167,463	Pat. 8,608,349	Pat. 8,622,582	Pat. 8,608,349	Pat. 9,054,253
Pat. 9,070,850	Pat. 9,112,083	Pat. D615,504	Pat. D656,906	Pat. D671,661

XLamp® XT-E High-Voltage LED Components

These products are covered by the respective patents listed below:

Pat. 7,446,345	Pat. 7,808,013	Pat. 7,858,998	Pat. 7,943,952	Pat. 8,039,859
Pat. 8,167,463	Pat. 8,608,349	Pat. 8,622,582	Pat. 8,608,349	Pat. 9,054,253
Pat. 9,070,850	Pat. 9,112,083	Pat. D615,504	Pat. D656,906	Pat. D671,661