

Patent Marking Lists for Cree Lighting LED Indoor Lighting Products

LR4™ Series

These products are covered by the respective United States patents listed below:

6,657,236	6,958,497	7,211,833	7,213,940	7,312,474
7,335,920	7,446,345	7,692,182	7,768,192	7,852,010
7,959,329	7,969,097	8,040,070	8,174,205	8,212,466
8,310,143	8,513,875	8,598,809	8,866,410	8,878,429
9,625,636	9,645,303	10,531,535**	D599,951*	D776,324

*LR4E-15 only

**LR4X only

LR4™ Accessory - LT4 Trim

These products are covered by the respective United States patents listed below:

D599,951

LR4™ Accessory – H4 Housing

These products are covered by the respective United States patents listed below:

7,967,480

LR6-DR1000 Products

These products are covered by the respective United States patents listed below:

6,958,497	7,211,833	7,213,940	7,312,474	7,335,920
7,446,345	7,692,182	7,722,220	7,768,192	7,828,460
7,852,010	7,862,214	7,959,329	7,969,097	8,040,070
8,174,205	8,212,466	8,310,143	8,513,875	8,598,809
8,866,410	8,878,429	10,531,535*	D776,324	

*LR6X only

LR6-GU24, LR6C-GU24, LR6-230V, LR6-277V, and LR6C-277V Products

These products are covered by the respective United States patents listed below:

6,657,236	6,958,497	7,211,833	7,213,940	7,312,474
7,335,920	7,446,345	7,692,182	7,768,192	7,722,220
7,852,010	7,862,214	7,959,329	7,969,097	8,212,466
8,310,143	8,513,875	8,598,809	8,866,410	8,878,429
D571,038	D776,324			

LR22™ Products

These products are covered by the respective United States patents listed below:

10,451,253	D772,465	D807,556	10,451,253
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LR24™ Products

These products are covered by the respective United States patents listed below:

6,657,236	6,958,497	7,211,833	7,213,940	7,312,474
7,335,920	7,446,345	7,692,182	7,768,192	7,828,460
7,852,010	7,969,097	8,174,205	8,212,466	8,310,143
8,513,875	8,598,809	8,789,975	8,866,410	8,878,429
D592,348	D776,324			

UR Series

These products are covered by the respective United States patents listed below:

8,403,531	9,494,304	9,822,951	10,309,627
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LE6™ Products

These products are covered by the respective United States patents listed below:

6,657,236	6,958,497	7,211,833	7,213,940	7,312,474
7,335,920	7,446,345	7,692,182	7,768,192	D571,497
D586,942	D587,394			

LN Series

These products are covered by the respective United States patents listed below:

6,657,236	6,958,497	7,211,833	7,213,940	7,312,474
7,335,920	7,446,345	7,692,182	7,768,192	8,212,466
8,310,143	8,513,875	8,598,809	8,866,410	8,878,429
9,366,799	9,625,636	9,645,303	10,168,467	10,459,142

WS Series

These products are covered by the respective United States patents listed below:

9,581,312	9,822,951
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ZR Series

These products are covered by the respective United States patents listed below:

8,403,531	10,012,354	10,045,418	10,247,372*	10,302,262
D749,768	D786,471			

*FLEX platform

FLEX Series

These products are covered by the respective United States patents listed below:

10,203,088	10,247,372
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DR Series Downlight

These products are covered by the respective United States patents listed below:

9,750,106	10,012,371
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DDS Series

These products are covered by the respective United States patents listed below:

8,403,531	8,596,819	8,777,449	9,151,477	D699,387
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CR Series Troffers

These products are covered by the respective United States patents listed below:

6,958,497	7,211,833	7,213,940	7,312,474	7,446,345
7,692,182	7,722,220	7,768,192	7,852,010	7,959,329
8,174,205	8,212,466	8,310,143	8,403,531*	8,513,875
8,596,819	8,598,809	8,823,272	8,866,410	8,878,429
9,723,680	10,264,637	10,278,250	10,412,809	10,883,702
10,904,988				

*Light Engine

CR-T Series, CR Series Downlights and C-Lite™ Downlight

These products are covered by the respective United States patents listed below:

6,657,236*	6,958,497	7,211,833	7,213,940	7,312,474
7,335,920*	7,446,345	7,692,182	7,704,763*	7,722,220
7,768,192	7,862,214	7,959,329	8,174,205	8,212,466
8,310,143	8,403,531***	8,513,875	8,596,819	8,598,809
8,766,296	8,777,449	8,866,410	8,878,429	10,264,637
10,412,809	10,531,535**	D636,921*	D638,160*	

*CR6 only

** CR-T, C-Lite™ only

***Light Engine

CR6™ Accessory – C6 Conversion Kit

These products are covered by the respective United States patents listed below:

8,287,142

LS and LSQ Series

These products are covered by the respective United States patents listed below:

8,403,531	9,822,951	10,045,418	10,100,988*	10,323,824***
10,584,860	10,612,747	D750,308	D757,324**	D910,225

*products include the aperture reflector

**products include the reflector

** ASYM and ASLE lens options

KR Series

These products are covered by the respective United States patents listed below:

6,657,236	6,958,497	7,211,833	7,213,940	7,312,474
7,335,920	7,446,345	7,692,182	7,704,763	7,768,192
7,959,329	8,174,205	8,212,466*	8,310,143*	8,513,875*
8,596,819	8,598,809*	8,866,410	8,878,429*	10,178,723*
10,274,183	10,422,944**	10,436,397*	10,499,481*	10,544,913***

*KR4 and KR6 only

**KR8 only

***Wall wash

CS Series

These products are covered by the respective United States patents listed below:

6,657,236	6,958,497	7,211,833	7,213,940	7,312,474
7,335,920	7,446,345	7,692,182	7,704,763	7,768,192
7,959,329	8,174,205	8,212,466	8,310,143	8,513,875
8,598,809	8,866,410	8,878,429	9,476,566	10,823,347

LBR-30™ Products

These products are covered by the respective United States patents listed below:

6,657,236	6,958,497	7,211,833	7,213,940	7,312,474
7,335,920	7,446,345	7,692,182	7,768,192	7,828,460
7,852,010	8,040,070	8,174,205	8,212,466	8,310,143
8,513,875	8,598,809	8,866,410	8,878,429	9,435,493

LRP-38™ Products

These products are covered by the respective United States patents listed below:

6,657,236	6,958,497	7,211,833	7,213,940	7,312,474
7,335,920	7,446,345	7,692,182	7,768,192	7,828,460
7,852,010	7,969,097	8,040,070	8,174,205	8,212,466
8,310,143	8,508,116*	8,513,875	8,598,809	8,866,410
8,878,429				

*LRP-38-10L only

LRP38-1000 Products

These products are covered by the respective United States patents listed below:

6,657,236	6,958,497	7,211,833	7,213,940	7,312,474
7,335,920	7,446,345	7,655,957	7,659,551	7,692,182
7,768,192	7,828,460	7,852,010	8,040,070	8,174,205
8,212,466	8,310,143	8,513,875	8,598,809	8,866,410
8,878,429				

Cree® LED Bulbs

These products are covered by the respective United States patents listed below:

6,958,497	7,211,833	7,312,474	7,446,345	7,692,182
7,709,853	7,858,998	7,976,187	8,044,384	8,089,090
8,167,463	8,596,819	9,410,687	9,462,651*	9,642,207
9,702,512**	9,713,211**	9,759,389**	10,172,215***	10,302,278
D768,889**	D805,660	D825,789	RE48,489****	

*3way only

** Candelabra only

***Dim to warm

****4Flow

LED Downlights-ESA Series Products (ESA-ADR)

ESA-ADR products are covered by the respective United States patents listed below:

7,938,558	7,976,194	8,132,944	8,348,461	8,388,193
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LED Downlights - ESA Series products further covered by U.S. patents are listed below:

OPTICS:

<u>4" Wide Distribution</u>	<u>4" Medium</u>	<u>4" Narrow</u>	<u>(LWW)</u>
<u>ESA-ADR-4WD</u>	<u>Distribution</u>	<u>Distribution</u>	<u>ESA-ADR-6</u>
	<u>ESA-ADR-4MD</u>	<u>ESA-ADR-4ND</u>	
7,478,931	7,478,931	7,478,931	7,478,931

LED Downlights-ESA Series Products (ESA-ADS)

ESA-ADS products are covered by the respective United States patents listed below:

7,938,558	7,976,194	8,132,944	8,348,461	8,388,193
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LED Downlights - ESA Series products further covered by U.S. patents are listed below:

OPTICS:

<u>4" Wide Distribution</u> <u>ESA-ADS-4WD</u>	<u>4" Medium</u> <u>Distribution</u> <u>ESA-ADS-4MD</u>	<u>4" Narrow</u> <u>Distribution</u> <u>ESA-ADS-4ND</u>	<u>(LWW)</u> <u>ESA-ADS-6</u>
7,478,931	7,478,931	7,478,931	7,478,931

LED Downlights- ESA Series Products (ESA-C10)

ESA-C10 products are covered by the respective United States patents listed below:

7,938,558	7,976,194	8,132,944	8,348,461	8,388,193
D659,281				

LED Retrofit Downlights - CDR Series

ESA-C10 products are covered by the respective United States patents listed below:

10,514,139	10,054,274	9,310,038
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The Edge™ Round Interior Products (INT-EDR)

INT-EDR products are covered by the respective United States patents listed below:

7,566,147	7,686,469	7,938,558	7,952,262	7,976,194
8,070,306	8,101,434	8,348,461		

OL Series™ Linear Flood Products (FLD-OL)

FLD-OL products are covered by the respective United States patents listed below:

7,938,558	7,976,194	8,092,049	8,101,434	8,596,819
10,045,418	D638,566			

OL Series™ Linear Flood products further covered by U.S. patents are listed below:

OPTICS:

<u>Type II Medium (2M)</u> <u>FLD-OL-2M</u>	<u>Type III Medium (3M)</u> <u>FLD-OL-3M</u>	<u>Type IV Medium (4M)</u> <u>FLD-OL-4M</u>
7,618,163	7,618,163	7,618,163
8,348,475	7,841,750	7,841,750
9,476,570	8,348,475	8,348,475
	9,476,570	9,476,570

TrueWhite Technology (These patents apply to U.S. products that include TrueWhite Technology)

8,310,143 8,596,819

KBL Series

These products are covered by the respective United States patents listed below:

10,045,418 10,527,273 D878,668

HXB Series

These products are covered by the respective United States patents listed below:

10,203,103 10,342,094 10,670,232

Cadant™ Series

These products are covered by the respective United States patents listed below:

8,310,143 8,596,819 10,278,250 10,412,809 10,451,229
10,465,869 10,529,900 10,830,400 10,904,988 10,900,621