

Patent Marking Lists for Cree Lighting LED Indoor Lighting Products

LR4™ Series

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

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*
D776,324				

*LR4X only

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:

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:

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	D776,324		

LR22™ Products

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

10,451,253	D772,465	RE48,620	RE49,228
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LR24™ Products

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

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	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	D1,002,058
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LE6™ Products

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

7,213,940	7,312,474	7,335,920	7,446,345	7,692,182
7,768,192				

LN Series

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

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 D927,027 11,800,613** D992,197

**Flex(ACK)

DR Series Downlight

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

9,750,106 10,012,371

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

CR Series Troffers

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

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 11,116,054
 D679,848 11,800,613**

*Light Engine

**CR (ACK)

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

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

7,213,940 7,312,474 7,335,920* 7,446,345 7,692,182
 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 8,777,449 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	11,060,694	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:

7,213,940	7,312,474	7,335,920	7,446,345	7,692,182
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***	11,099,317**	11,675,120**		

*KR4 and KR6 only

**KR8 only

***Wall wash

CS Series

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

7,213,940	7,312,474	7,335,920	7,446,345	7,692,182
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:

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:

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:

7,213,940	7,312,474	7,335,920	7,446,345	7,655,957
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:

7,312,474	7,446,345	7,692,182	7,709,853	7,858,998
7,976,187	8,089,090	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

LED Downlights - ESA Series products further covered by U.S. patents are listed below:

OPTICS:

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

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:

Type II Medium (2M)	Type III Medium (3M)	Type IV Medium (4M)
<u>FLD-OL-2M</u>	<u>FLD-OL-3M</u>	<u>FLD-OL-4M</u>
7,618,163, 8,348,475	7,618,163, 7,841,750	7,618,163, 7,841,750
9,476,570	8,348,475, 9,476,570	8,348,475, 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 D1,005,566* 11,441,747*
 11,287,110
 *KBL-B

HXB Series

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

10,203,103 10,342,094 10,670,232 11,060,694 11,635,197

VuePoint™ Series

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

11,060,694 11,092,313 D988,581

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
 11,116,054 11,800,613 11,729,877 11,638,339 11,419,201