

## Patent Marking Lists for Cree Lighting LED Indoor Lighting Products

### LR4™ Series

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

6,958,497	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:

6,958,497	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	RE48,620		
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## LR24™ 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	7,768,192	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:

6,958,497	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:

6,958,497	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	D927,027
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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	11,116,054	D679,848		

\*Light Engine

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

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

6,958,497	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	11,060,694	D750,308	D757,324**
D910,225				

\*products include the aperture reflector

\*\*products include the reflector

\*\* ASYM and ASLE lens options

# CREE LIGHTING

A COMPANY OF  LUMILEDS, INC.

## KR Series

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	7,704,763	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***	11,099,317**

\*KR4 and KR6 only

\*\*KR8 only

\*\*\*Wall wash

## CS Series

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	7,704,763	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:

6,958,497	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:

6,958,497	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:

6,958,497	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:**

<b>4" Wide Distribution</b>	<b>4" Medium</b>	<b>4" Narrow</b>	<b>(LWW)</b>
<b><u>ESA-ADR-4WD</u></b>	<b>Distribution</b>	<b>Distribution</b>	<b><u>ESA-ADR-6</u></b>
	<b><u>ESA-ADR-4MD</u></b>	<b><u>ESA-ADR-4ND</u></b>	
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:**

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

<b><u>Type II Medium (2M)</u></b> <b><u>FLD-OL-2M</u></b>	<b><u>Type III Medium (3M)</u></b> <b><u>FLD-OL-3M</u></b>	<b><u>Type IV Medium (4M)</u></b> <b><u>FLD-OL-4M</u></b>
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                      11,060,694

### **VuePoint™ Series**

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

11,060,694                      11,092,313

### **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