



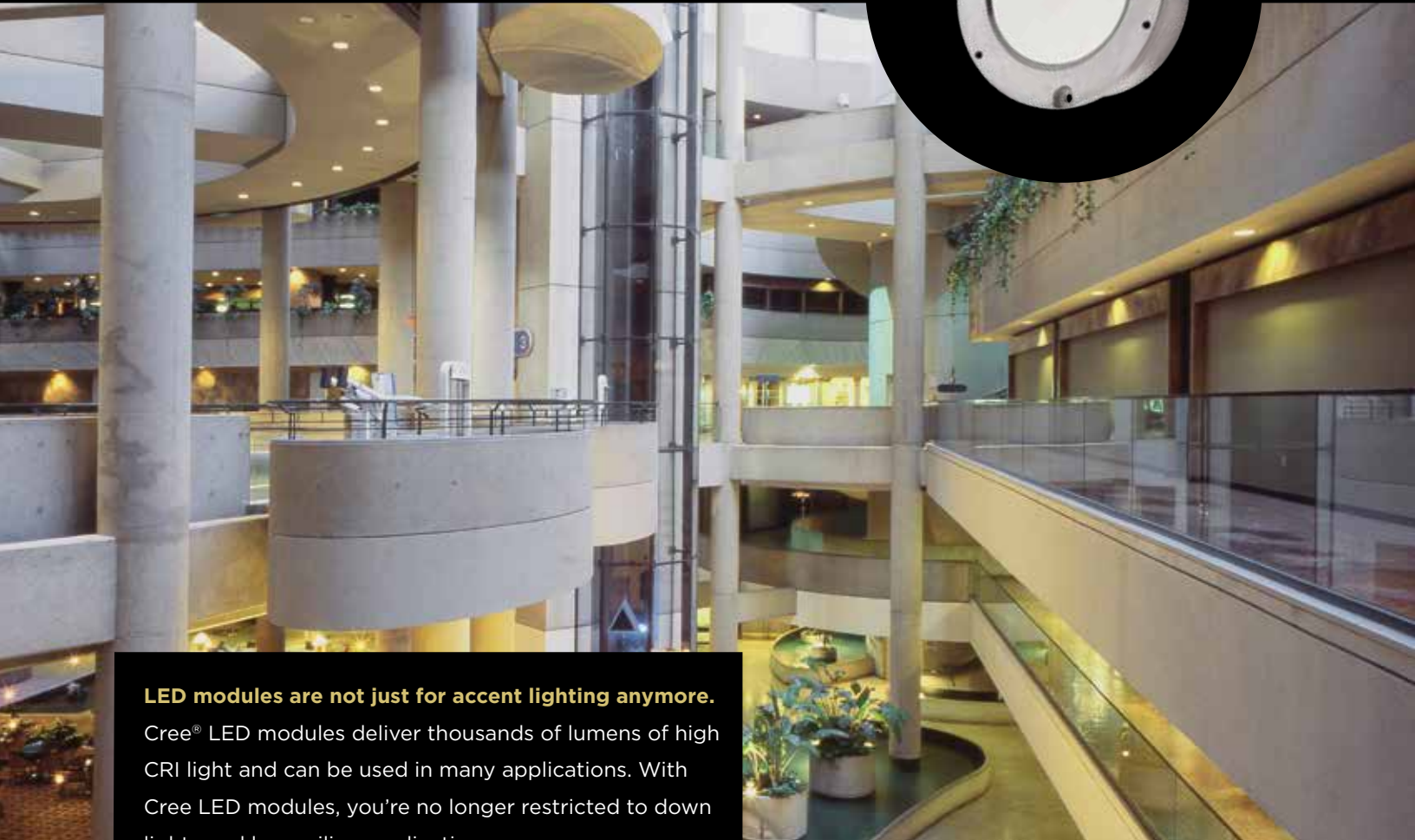
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ONE LED MODULE. MANY APPLICATIONS.

CREE 

LED MODULE
SPECIFIER GUIDE

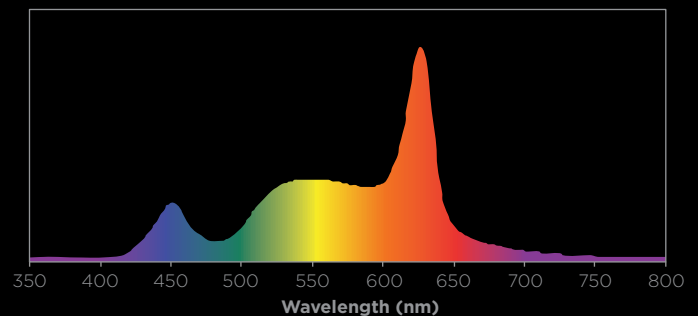
One light source



LED modules are not just for accent lighting anymore.

Cree® LED modules deliver thousands of lumens of high CRI light and can be used in many applications. With Cree LED modules, you're no longer restricted to down lights and low ceiling applications.

Using our lighting-class LEDs, we've optimized a family of high-efficiency LED modules to beautifully light nearly any area, from an intimate nook to a soaring atrium. Cree LED modules provide consistent color and quality of light throughout your entire space to put an end to the color consistency and re-lamping problems that can happen when you mix lighting technologies.



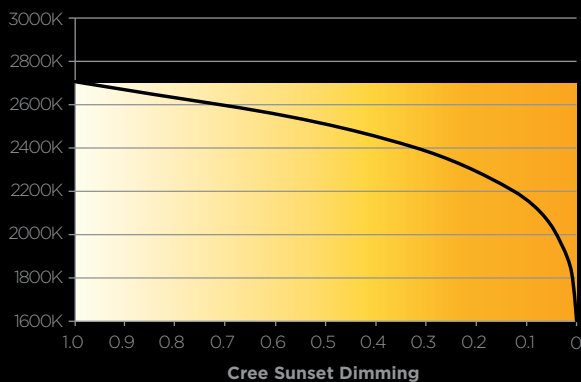
CCT	CRI	R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14
3000K	92	96	95	81	89	97	94	93	95	93	81	89	76	99	86
4000K	93	95	93	87	93	91	89	98	95	83	79	90	63	94	91

Listed CRI values are representative values for Cree TrueWhite® Technology LED Modules. These values are provided for information only and are not a specification. For more information, please see the product specifications on cree.com.

Two dimming choices



Set the mood with Cree dimming technology.



Cree LED modules provide a choice of dimming options, while reducing the lighting power load by 80%. They're compatible with TRIAC and other widely used lighting control systems so there's no rewiring needed to give any environment additional ambience.

CREE SUNSET DIMMING TECHNOLOGY

Sunset dimming provides warm, rich light from 2700K down to 1800K along the black body line to create an intimate atmosphere.

CREE WHITELIGHT DIMMING TECHNOLOGY

WhiteLight dimming provides consistent color across the entire dimming range to keep colors natural.

One design for many applications.

Residential, restaurants and retail; shopping malls and showrooms; hospitals and hospitality, atriums and airports—no matter what your space, Cree LED modules can significantly reduce the Lighting Power Density (LPD) without compromising quality of light. *(See the energy savings table on the next page.)*

Specify Cree LED modules with the lumen output you need to simplify your design process and achieve consistent, full-spectrum lighting for your space.

30-50' CEILINGS

20-40' CEILINGS

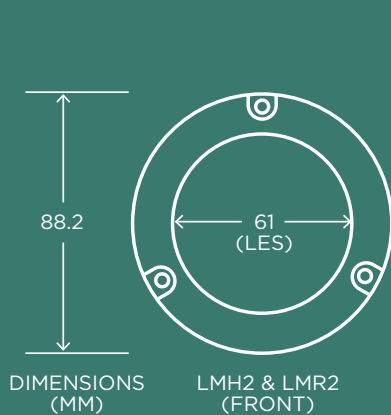
15-40' CEILINGS

15-30' CEILINGS

10-20' CEILINGS

8-12' CEILINGS





	LMH2*	INCANDESCENT	QUARTZ & HALOGEN	CFL*	CMH*
	8000 LM** 100 W	---	500 W	---	150 W
	6000 LM 71 W	---	400 W	---	100 W
	4000 LM 38 W	---	250 W	57 W 2x32 W	70 W
	3000 LM 31 W	---	---	42 W 2x26 W	50 W
	2000 LM 21 W	250 W	---	32 W	39 W
	1250 LM 13 W	<150 W	---	<26 W	20 W
	850 LM*** 9 W	<150 W	---	<26 W	20 W

* Excludes driver/ballast losses

** Availability: December 2013

*** LMR2 also available in 650 lm and 750 lm.

Potential energy savings with Cree LED modules

82%

Incandescent, Halogen & Quartz

50%

CMH

40%

CFL



One partner with proven, industry-leading technology

Cree LED modules are built from the ground up using our lighting-class LEDs to deliver more lumens per watt than any other lighting technology. Our LED modules are built on LED technology that has racked up millions of hours of illumination in the real world. Cree LED modules are built to last and are covered by our five-year warranty, even if used with third-party drivers. Don't just take our word for it—we've tested it.



CREE LMH2
FLAT FRONT



Cree LED modules
are the right light
and size for all your
lighting applications.

DRIVER SUPPORT & COMPATIBILITY

Cree is the only LED module supplier to test third-party driver compatibility. That's how we can offer a light source warranty, even if the driver isn't ours.

Cree compatible drivers can add lighting control support including DALI, 0/1-10V, TRIAC and DMX.

TWO DRIVER OPTIONS

Cree LMH2 LED modules come with a detached driver for flexible installation.

The Cree LMR2 LED module uses an integrated driver for a simple "all-in-one" design.



SPECIFIABLE ATTRIBUTES

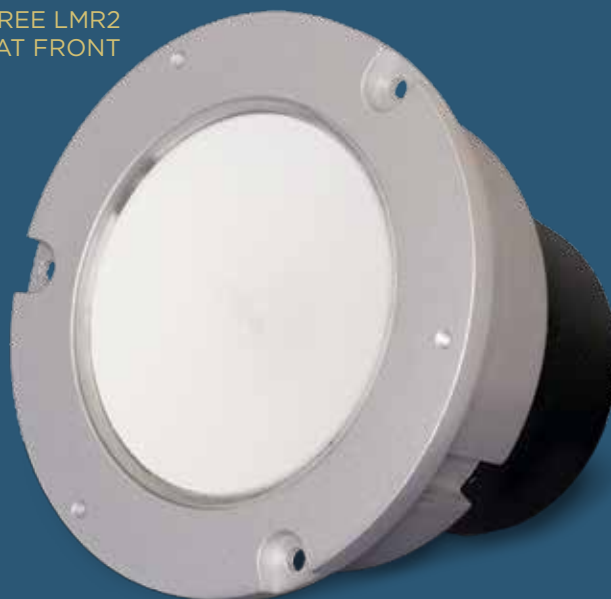
Cree LED modules enable lighting designers to specify the following:

- CCT: 2700K, 3000K, 3500K, or 4000K
- Consistent power and light output across all CCTs
- CRI: 90 minimum
- Color Consistency: 3-step McAdam ellipse
- Appearance: White when off
- Dimming Compatibility: TRIAC, 0/1-10V, DMX, DALI, and/or DALI Touch
- Sunset Dimming: dims down to 1800K, maintaining >80 CRI over entire dimming range
- Test report confirming compatibility between LED light source and driver

CREE LMH2
DOME FRONT



CREE LMR2
FLAT FRONT



BEAUTIFUL ON OR OFF

No flicker, no buzz—just instant-on high CRI light from the industry's highest performing LEDs.

The light source has a clean, white appearance when powered off that doesn't detract from your design.

COMPACT AND EFFICIENT

Cree LED modules have aluminum housings to provide built-in thermal management matched with a compact design to fit a variety of fixture designs.





LMH2
Flat & Dome



LMR2

PRODUCT	DIMMING	LUMENS	CCT	CRI	DRIVER
LMH2 Flat & Dome	WhiteLight	850 1250 2000 3000 4000	4000K 3500K 3000K 2700K	92	Detached driver for third-party flexibility
		6000 8000*	4000K 3500K 3000K		
	Sunset	850 1250 2000 3000	2700K		
LMR2	WhiteLight	650 750	4000K 3500K 3000K 2700K	92 (650 lm) 82 (750 lm)	Integrated driver for ease of use

* Availability: December 2013

The power of **one.**

One light source. One design. One partner. By specifying Cree LED modules you'll get beautiful, consistent light throughout your space, backed by a five-year warranty from the industry leader in LED lighting.

Register for a Cree Sunset dimming demonstration unit at cree.com/powerofone.

