

# LED Knife Edge

LED

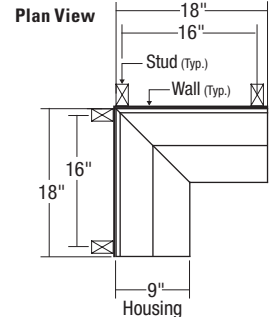
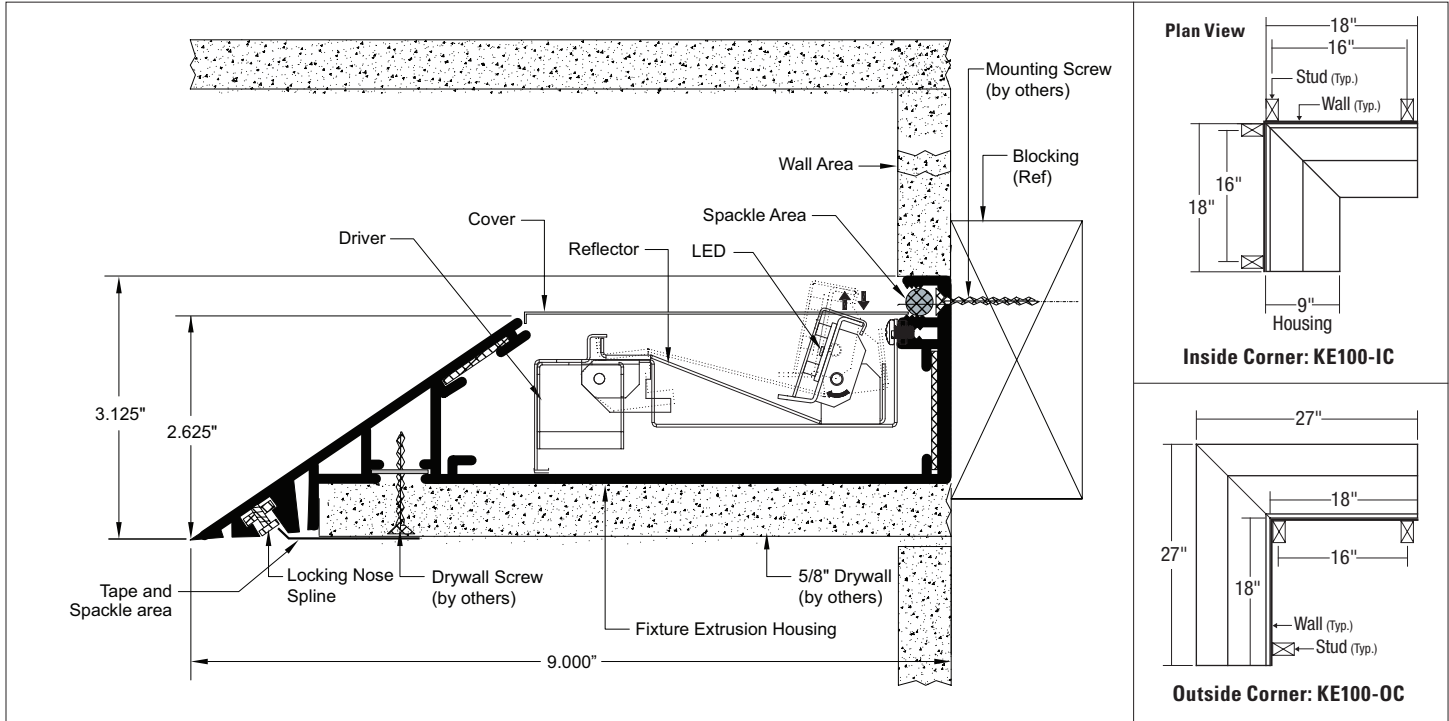


LED Knife Edge  
Cove System

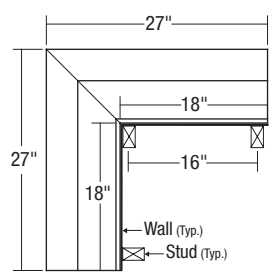
KE100

Job Name

Fixture Type



Inside Corner: KE100-IC



Outside Corner: KE100-OC

LED MODULE							KE100-PF	KE100-EX
CRI	Color Temperature	Output	Dimming	Length	Dust Cover	Extension	Power Feed	Extrusion Qty
8 80+	27 2700K (90CRI only)	S Standard	S Std. 0-10V 1%	Nominal:	CL Clear, Std.	N None	L Left	XXX
9 90+	30 3000K	H High	L Lutron 1% <sup>(5)</sup>	2 2 foot	DF Diffuser	L Left	R Right	Extrusions in
R RGB & RGBW	35 3500K	M Maximum	D DALI 1%	3 3 foot		M Middle	M Middle	8 ft lengths
	40 4000K	Custom:	P PoE <sup>(3)</sup>	4 4 foot		R Right	(Determine when	(Field cut
	TW 2700K-6500K <sup>(1)(2)</sup>	Specify Lm/Ft <sup>(3)</sup>	2 Wire (phase-cut) <sup>(3)</sup>	(see Page 2)		(2 ft modules	facing module)	as required)
	DW 1800K-6500K <sup>(1)(2)</sup>	F Fixed (RGBs)	T Step (10%-70%) <sup>(3)</sup>					
	GB RGB		W Wireless <sup>(3)</sup>					
	G3 RGBW 3000K		X DMX (RGBs)					
	G5 RGBW 3500K							

Product Code Examples: KE100-LM830SS-3CLR

Knife Edge cove system produces an elegant sharp-edged architectural feature with uniform lighting on adjacent wall and ceiling. This low profile plaster-in system mounts to soffits, coffers or walls as close as 6" from the ceiling. The lighting modules have unique rotation and elevation adjustments which allow for the illumination to be set precisely where it is wanted after installation. Modules are available in multiple fixed lengths. The module extension option allows for full illumination at any custom length.

**Features**

- High performance LED lighting modules deliver exceptional lighting efficiency up to 150 lm/wt
- Modules interlock eliminating gaps and dropouts along the entire run length
- Adjustable extension module allows full illumination at any custom length
- Angular adjustment (0-45°) for optimal wall/ceiling illumination
- Elevation adjustment allows setting exact far wall cutoff
- Click-stop settings easily configure all modules alike
- Quick-Connect lighting modules plug together
- Knife Edge Extrusions are field cuttable to any length

- "True edge" locking ensures fixture is straight and level with hairline seams along visible Knife Edge surface
- Complete range of lighting packages include 80 and 90 CRI, 2700K to 4000K mono color CCTs, Tunable White, Dim-to-Warm, and RGB & RGBW

**Fixture Specifications**

Extrusion: Heavy-duty extruded aluminum  
Finish: Unpainted. Alodine treated to accept field painting  
Weight: Approx. 4 lbs. per linear foot without sheetrock

**Electrical**

- Power consumption: Per specification based on LED configuration
- Input Voltage: 120-277V universal driver
- Ambient temperature: 100 °F maximum
- Integral electronic drivers (external driver configuration available)
- RGB & RGBW Power Supply and DMX Decoder are external
- Full range of driver and control options
- 1% Dimming: 0-10V standard, contact factory for options

**Mounting** (See installation instructions)

- Fixture extrusion must mount to secure blocking through recessed mounting screw channel
- Sheetrock mounted to underside of extrusion with provision for tape and feathered spackling, by others
- Lighting modules may be installed after extrusion mounting
- Drop-in dust cover keeps LEDs clean without loss of efficacy

**Options** (Consult factory)

- Occupancy sensor, daylight control module
- EM battery pack in 4ft segments. Delivers 1000+ total lumens for 90 mins (depending upon configuration). Specify location. (Not for use with RGBs)

**LED Specifications/Photometry:** Page 2

<sup>(1)</sup> 90CRI, 2700K-6500K std., others available – Specify CCT range  
<sup>(2)</sup> 0-10V Control, std., others available – Specify (Factory to confirm)  
<sup>(3)</sup> Specify – Factory to confirm



STARFIRE LIGHTING, INC.  
7 Donna Drive, Wood-Ridge, NJ 07075  
starfirelighting.com

P 201.438.9540  
F 201.438.9541

All designs and drawings are the property of STARFIRE LIGHTING, INC. We reserve the right to make changes to specifications and approved designs at any time without notice to facilitate manufacturing methods to the extent that such changes do not compromise design integrity. All performance specifications are subject to +/- 10% deviation.

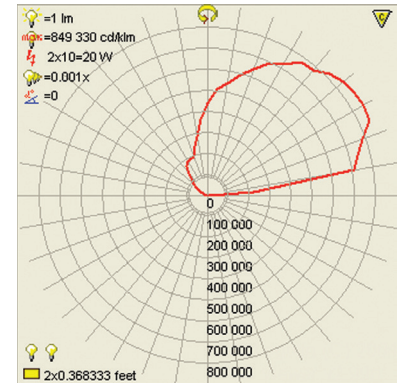
**White LEDs**

High output edge-to-edge, end-to-end illumination

- Choice of lumen output levels:  
**S:** Standard, **H:** High, **M:** Maximum,  
**C:** Custom (between 200 and 1200 Lm/Ft) depending upon configuration.  
**High output option\*:** Up to 2000 Lm/Ft, consult factory
- LED Efficiency: Up to 160 Lm/Wt at Max. output and 180 Lm/Wt at Standard power (at 80+ CRI)
- Proprietary in-house, ultra-tight Vf binned LEDs for uniform intensity
- Color Consistency\*: Equal or better than 3 SCDM
- Tunable Range: 2700K-6500K other ranges available
- Dim-to-Warm option – warm range down to 1800K
- L70: 50,000+ hours at Max. output
- 5 year limited warranty\*\*

**LED Module Order Lengths**

Nominal	Actual
2 ft	23.375"
2 ft w/Ext.	23.375 + 9" Ext
3 ft	35.375"
4 ft	47.375"



**Fixture Efficacy**

80 CRI		4000K		3500K		3000K		2700K (90 CRI)	
Output Setting	Lm/Ft	Wt/Ft	Lm/Wt	Wt/Ft	Lm/Wt	Wt/Ft	Lm/Wt	Wt/Ft	Lm/Wt
<b>S</b> Standard	<b>500</b>	3.3	150.3	3.4	148.8	3.6	144.5	3.7	133.5
<b>H</b> High	<b>800</b>	65.5	144.7	5.6	143.3	5.8	138.9	6.2	128.0
<b>M</b> Maximum	<b>1100</b>	7.9	139.1	8.0	137.7	8.2	133.3	9.0	122.6

LV5

**RGB & RGBW LEDs**

**Maximum Output (Diffuser)**

	Lm/Ft	Wt/Ft	Lm/Wt
<b>RGB</b> (all on)	<b>192</b>	9.4	20.4
<b>White</b>	<b>595</b>	6.8	87.2
<b>RGBW</b> (all on)	<b>787</b>	162	48.5

Output adjustable with DMX-512 Control

\* See Starfire website for Product Limited Warranty

