

SORAA® SNAP SYSTEM

LED PAR30, PAR38, AND AR111 ACCESSORIES

PRELIMINARY



- Accessory system for 9° PAR and AR
- CRI 80 and Full Spectrum CRI 95
- Beam Spreaders, CCT Shifters and Louver
- Magnetic Self Centering
- Fits Standard Fixtures
- Multiple Stackable Accessories

FREE YOUR IMAGINATION WITH UNLIMITED DESIGN POSSIBILITIES

- **Unprecedented design flexibility**
- **Achieve all beam distributions or colors with one lamp SKU**
- **Formerly impossible distributions such as flat tops**
- **Magnet automatically self centers accessories without fasteners or tools**
- **Simple installation without need for removal of lamp**
- **No bulky and costly fixtures or adaptors required**
- **Compatible with all standard fixtures**
- **Works in unventilated fully sealed fixtures**
- **Shorten design, specification, installation, and sales cycles**
- **Reduce inventory costs**

Accessories are an important tool in lighting designers' palettes which allows them to fine tune lighting scenes by creating dedicated light distributions and colors. They also give designers the flexibility to optimize a design on site, with any lamp beam spread. Examples of typical accessories include: hex-louvers and snoots to reduce glare; grates to create linear light patterns; and gels for tinted effects.

Because of their high operating temperature, halogen lamps require accessories made of heavy glass or metal and bulky attachment mechanisms: this limits fixture choices and aesthetic possibilities. Many LED directional lamps are incompatible with accessories because they use multiple LED sources - "shower heads", have non-standard dimensions, or have operating temperature requirements significantly lower than halogen sources.

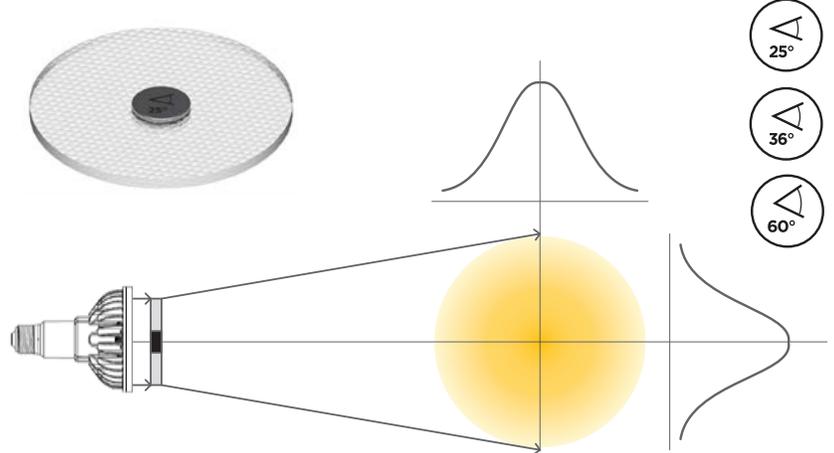
The Soraa SNAP SYSTEM™ is the first LED lamp/accessory solution that is optimized to work as an integrated system. Based on high brightness single source GaN on GaN™ LED technology, it completely redefines accessory application. The effects that can be achieved are similar to what can be done with halogen sources, but are enabled by a relatively low operating temperature and groundbreaking optical design, materials, and methods of attachment. The system's self-centering magnetic interconnect system makes using accessories completely user friendly, and opens up possibilities for accessories to a much wider range of fixtures than ever before. Also, the relatively low temperature of the Soraa SNAP SYSTEM™ lamps mean that new accessory materials, such as advanced polymer films, can be used for beam and color control in ways never before possible.

BEAM SPREADER SNAP

Use in any application where reducing the number of beam angle SKUs is required. Reduces inventory costs. Shortens specification, design, sales cycles. Provides maximum flexibility up to the time of installation.

Beam	Part Number	Product Code	CBCP of 10° Lamp	Field Angle
25°	AC-E-GC-2525-00	01145	18%	40°
36°	AC-E-GC-3636-00	01147	8%	55°
60°	AC-E-GC-6060-00	01149	3%	90°

Lumen Transmissivity: 90%
 Diameter: 84.0 mm Thickness: 3.1 mm
 Magnetic Attach Force: 0.45 lb-F

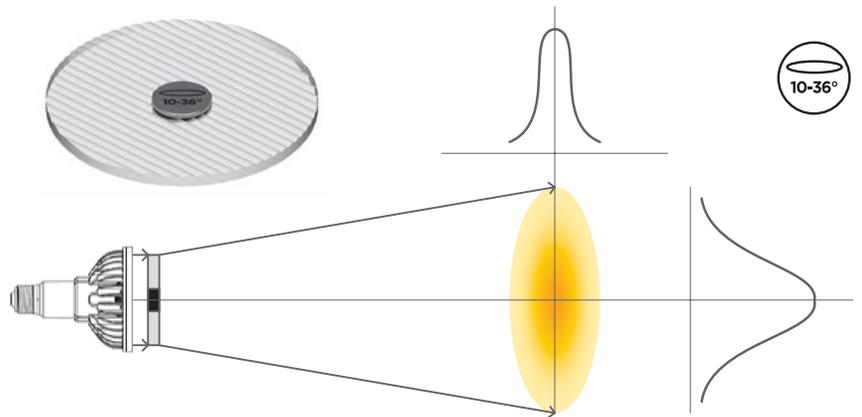


LINEAR SNAP

Use in wall washes and illuminating asymmetric objects. Reduces required number of light fixtures and spill illumination of target objects.

Beam	Part Number	Product Code	CBCP of 10° Lamp	Field Angle Horiz.	Field Angle Vert.
10° - 36°	AC-E-GE-1036-00	TBD	30%	27°	43°

Lumen Transmissivity: 90%
 Diameter: 84.0 mm Thickness: 3.1 mm
 Magnetic Attach Force: 0.45 lb-F

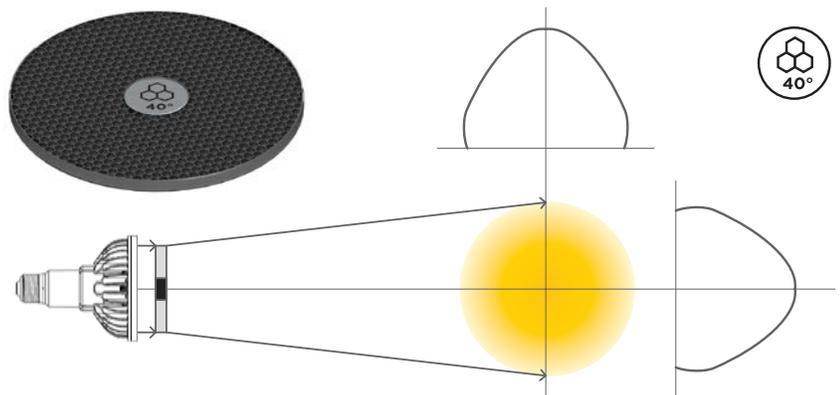


LOUVER SNAP

Eliminates high angle glare, making light beams disappear in downlight applications.

Cutoff Angle	Part Number	Product Code	CBCP of 10° Lamp
40°	AC-E-LU-4040-00	01151	63%

Diameter: 84.0 mm Thickness: 9.0 mm
 Magnetic Attach Force: 0.45 lb-F
 Reduces angular intensity to 0.1% of peak at 40° full angle.
 Fits around lamp face. Can be used in combination with gimbal ring fixtures.



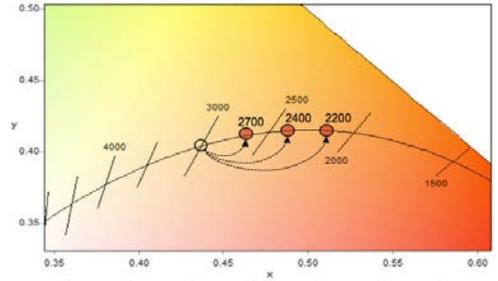
CCT SHIFTER SNAP

Single lamp SKU can be used for multiple CCTs.

CTO*	Part Number	Product Code	Lumen Transmission	Mired Shift
1/4	AC-E-CC-0001-00	01153	90%	37
1/2	AC-E-CC-0002-00	01155	75%	83
3/4	AC-E-CC-0003-00	01157	60%	120

*Color Temperature Orange
 Diameter: 84.0 mm Thickness: 3.1 mm
 Magnetic Attach Force: 0.45 lb-F

Starting Lamp CCT	1/4 CTO	1/2 CTO	3/4 CTO
2,700K	2,450K	2,200K	2,000K
3,000K	2,700K	2,400K	2,200K
4,000K	3,500K	3,000K	2,700K
5,000K	4,250K	3,550K	3,125K



Stacking of accessories

Snap accessories can be stacked in combination. For example, a beam spreader can be used with a CCT shifter. When combining beam shaping Snap accessories with CCT shifting Snap Accessories, for best results place CCT shifting Snap on lamp first, below beam shapers, as shown in diagram at right.

Availability of photometric data

IES files and photometric data of accessories is available for download at www.soraa.com

Warranty

Snap System accessories carry a three year warranty on light transmission, magnet attachment, and color stability.

