

Sketch[®]



Architectural lighting. Your way.





DRAWING WITH LIGHT

Using Sketch®, lighting can now flow with the same grace as lines emanate from a pencil. Circles, softly rounded rectangles, simple arcs, and sinuous forms – all are possible. Sketch expresses interior architectural design . . . and integrates elegantly with it.

Instead of costly site-built coves or troughs, Sketch modules install neatly into gypsum board ceilings, join together precisely, and perform predictably and efficiently. The Sketch system includes curved sections based on circles with diameters from 3' to 23' nominal, as well as various straight segments. Together, they can combine into practically unlimited configurations. Creating fresh and interesting lighting has never been so easy.

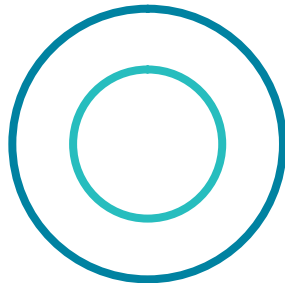
The advent of LED technology has promised innovative forms in lighting. Now, Sketch makes this promise a reality. Recognized by the 2013 Next Generation Luminaires Design Competition, Sketch is the first recessed, linear LED luminaire to offer this degree of design freedom.

Sketch is truly architectural lighting. Your way.

RECOGNIZED BY



NGL 2013



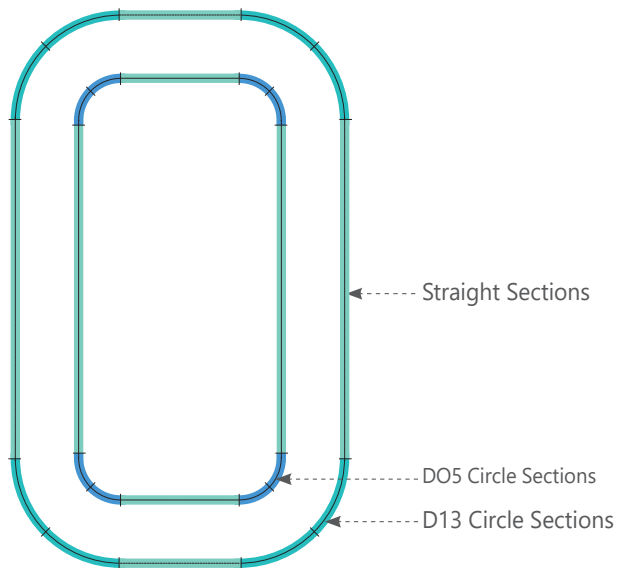
NOMINAL
13' & 8'
DIAMETER CIRCLES





ENERGY AND HARMONY

It's interesting: your eyes sweep around a curve but slows at a sharp intersection. In this conference room, Sketch® both energizes and softens the space, while the radius turns pick up the cambered form of the table. Using Sketch modules, the completed lighting pattern fits the room and delivers comfortable, efficient illumination.



CONFIGURATION DETAILS

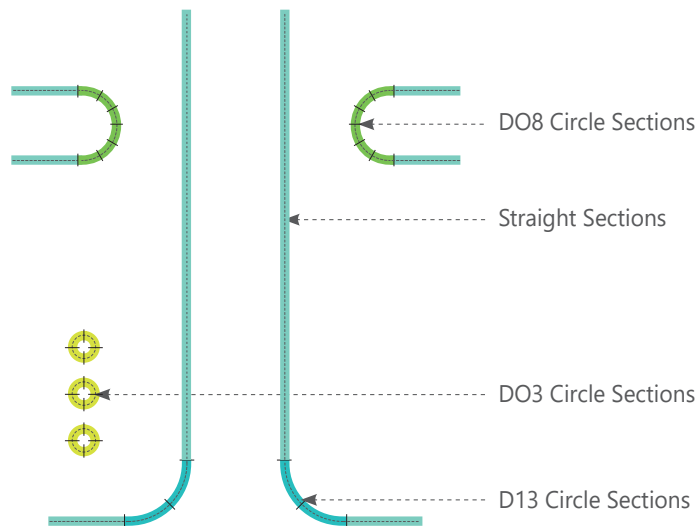
	Description	Number of Sections
●	DO5 Circle Sections	8 sections
●	D13 Circle Sections	8 sections
●	Straight Sections	108 ft









PATHWAY AND SIGNPOST

Sketch® helps a retail environment subtly direct shoppers. Paths of light guide traffic; gentle turns conform to architectural detail yet clearly delineate the way from space to space. Circles of light signal areas of interest, attract shoppers and provide pleasing ambient illumination. A softly curved luminaire, projecting over the merchandise, invites approach. Beam LED can be effectively used in the same space to provide simple linear runs, orthogonal patterns, and in-wall or pendant installation.



CONFIGURATION DETAILS

	Part Name	Number of Sections
	DO3 Circle Section	12 sections
	DO8 Circle Section	12 sections
	D13 Circle Section	4 sections
	Straight Section	140 ft

LED

OptimaLED is the Axis light engine designed for effective general and ambient lighting systems. It assures sustainable, energy-efficient illumination, low-cost maintenance, and high reliability.

OptimaLED consists of mid-power LED circuit boards, together with companion drivers and custom optics. System performance is measured according to LM-79, LM-80, and TM-21 standards. The entire system - including LED circuit boards, drivers, other materials, and assembly - enjoys a five-year warranty.

Lumen Output Sketch® offers nominal 400 and 700 lumen per foot modules so that illumination can be adjusted to accommodate the spatial layout. The corresponding power input at 400 Lumens per foot is 5.7 watts per linear foot.

Efficacy Luminaire efficacy is over 72 lumens per watt.

Color Sketch is available in 3000K, 3500K, and 4000K with a CRI of minimum 80. Color consistency is high, with three MacAdam ellipse, within and between modules and over time.

Optics Sketch combines a high efficiency mixing chamber with a Spotless, high-transmission lens to eliminate emitter images on the luminous surface.

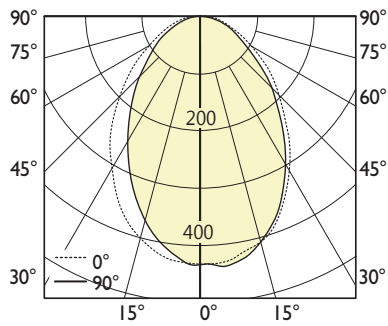
Life Sketch contains LEDs that are expected to reach beyond 60,000 hours life with 85% lumen maintenance (L85). As noted above, the system carries a five-year warranty.

Control Sketch offers a 0-10V dimmable driver as the standard option. DALI control, Lutron, and emergency options are all available.

For technical details please consult the spec sheet which can be found on our website. www.axislighting.com/CMS/SketchHome.php?Sketch-64

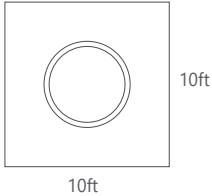


PHOTOMETRY



Luminaire Lumens: 2483 lm
Input Watts: 30.24 w
Efficacy: 71.1 lm/w
SK-B2-ARC-W-AL1'-11 9/16"-400-40-SO-W-UNV.IES
(DO8 ARC Section)

SMALL ROOM



DO5: 60" Diameter Circle
CODE: SK-B2-CIR-AL15' 8 1/2"-400-35-SO

Avg 32.78 fc

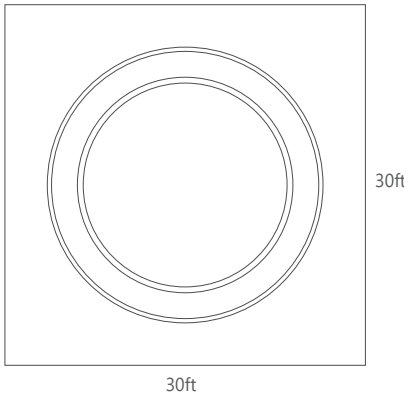
LPD 0.914 w/sq.ft

Max/Min 2.33

LLF 0.753

Grid height: work plane
Celing Height: 9'

LARGE SPACE



DO23: 270" Diameter Circle
CODE: SK-B2-CIR-AL70' 8 1/4"-400-35-SO
DO18: 210" Diameter Circle
CODE: SK-B2-CIR-AL54' 11 3/4"-400-35-SO

Avg 37.61 fc

LPD 0.709 w/sq.ft

Max/Min 6.4

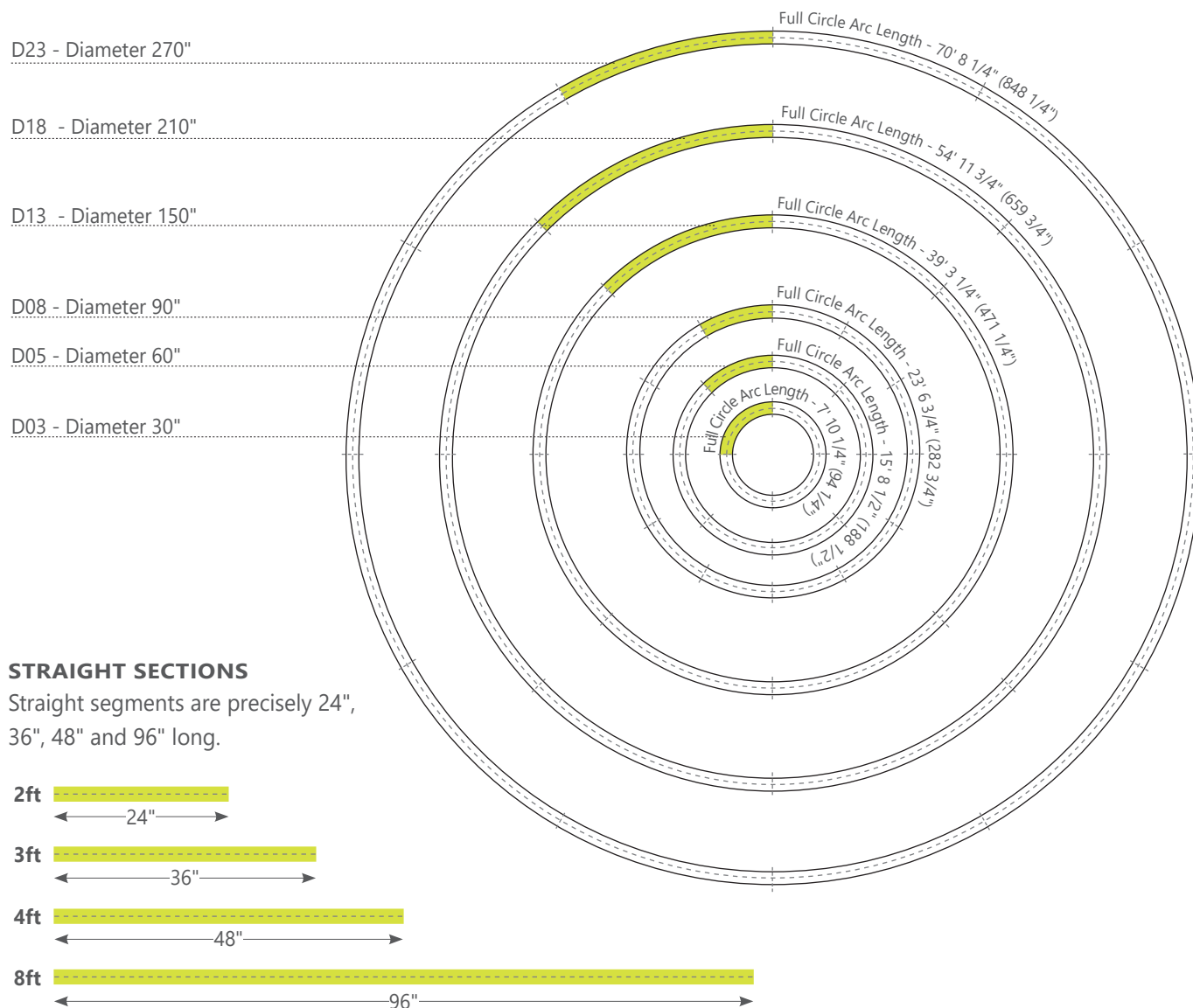
LLF 0.753

Grid height: work plane
Celing Height: 9'

DESIGNING WITH SKETCH

The Sketch® luminaire system consists of 6 curved and 4 straight segments which can be combined in numerous arrangements to form sinuous lines of uninterrupted light.

The diameter dimension for curved segments measures the implied circle at the center of the luminaire. The dimension to the outer edge of the luminaire is approximately 2" more.

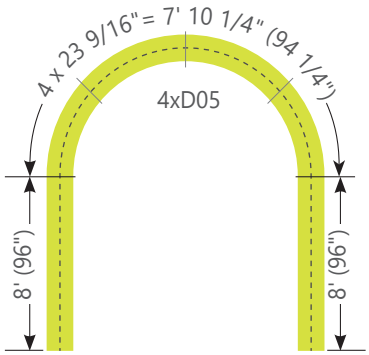


COMBINING CURVED AND STRAIGHT SECTIONS

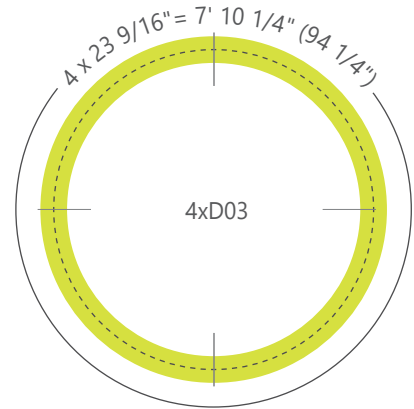
To design and specify a Sketch® installation, use the dimensions below to draw the luminaire pattern to the approximate size desired. Using the code in the spec sheet (www.axislighting.com/CMS/SketchHome.php?Sketch-64) indicate the light output, color, and all other relevant options. Send us the drawing and the spec sheet and we will return a detailed drawing with exact dimensions and project-specific product number that will coordinate subsequent communication, shop drawings and installation guidelines.



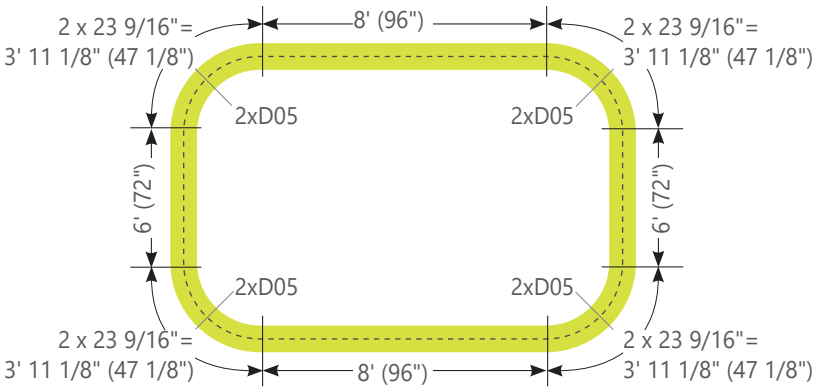
Section Name	Diameter	Radius	Angle	Arc Length (linear feet)
D03	30"	15"	90°	23 9/16"
D05	60"	30"	45°	23 9/16"
D08	90"	45"	30°	23 9/16"
D13	150"	75"	45°	58 29/32"
D18	210"	105"	45°	82 15/32"
D23	270"	135"	30°	70 11/16"



SK-#-B2-ASO-AL23'10 1/4"
Other Shape Pattern



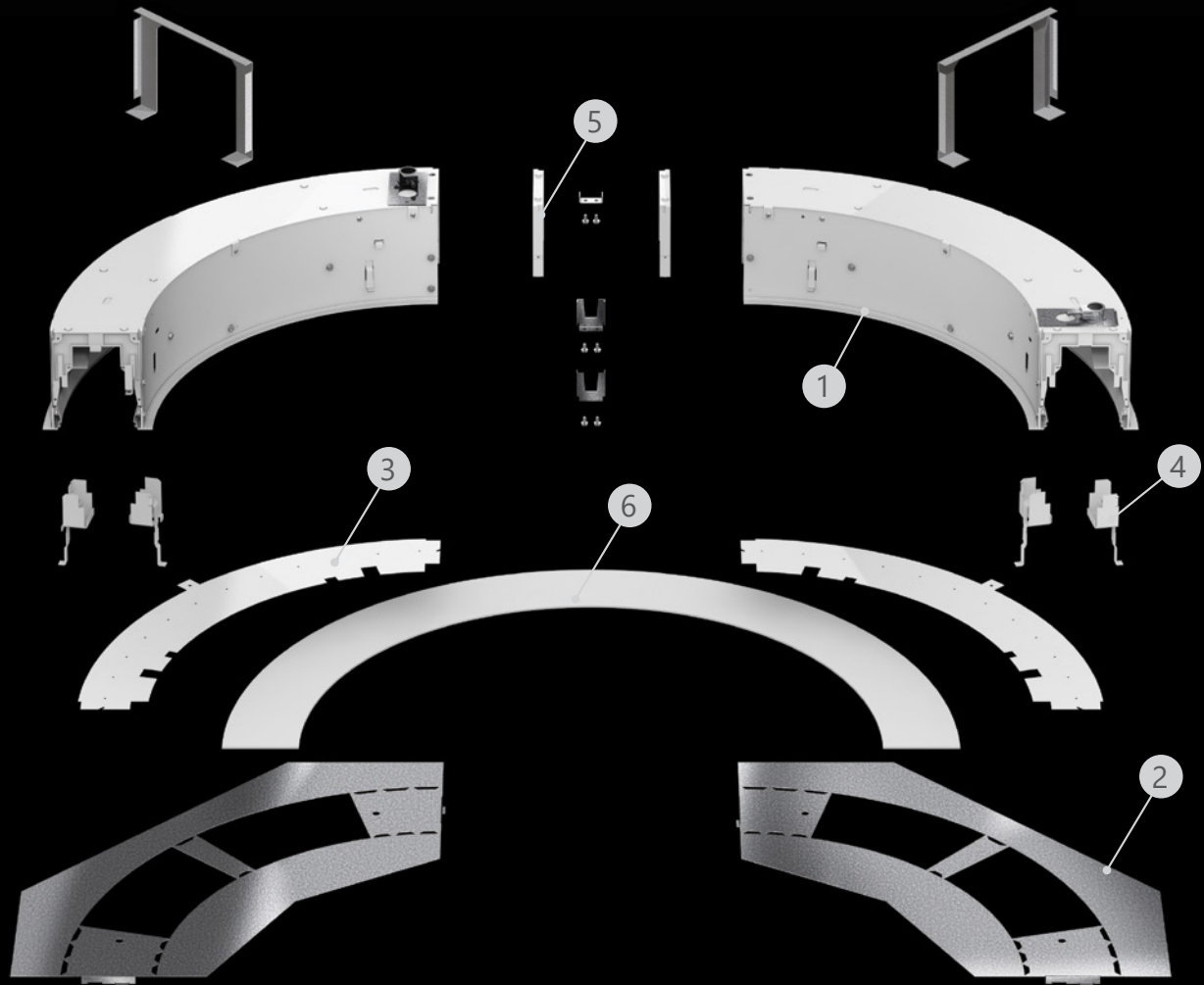
SK-#-B2-CIR-AL7'10 1/4"
Circle Pattern



SK-#-B2-REC-AL43'8 1/4"
Rectangle Pattern

i Drawings are not to scale

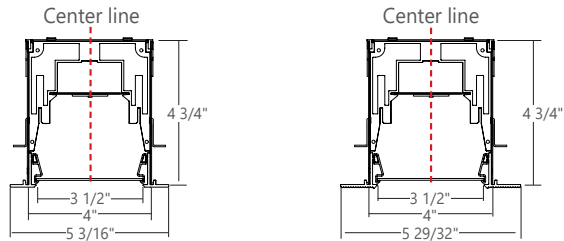
CLEAN INSTALLATION



i Patent pending

Sketch® installs cleanly in drywall ceilings, taking advantage of unique mounting details; resulting in continuous flow of light.

1



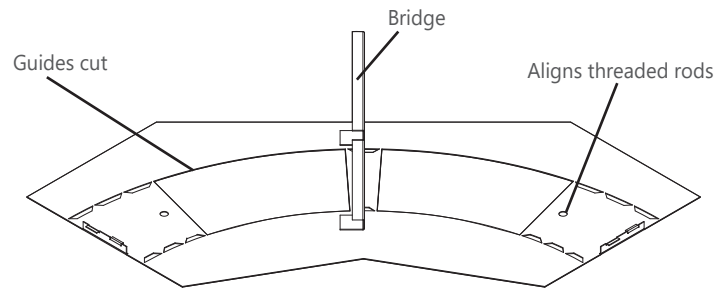
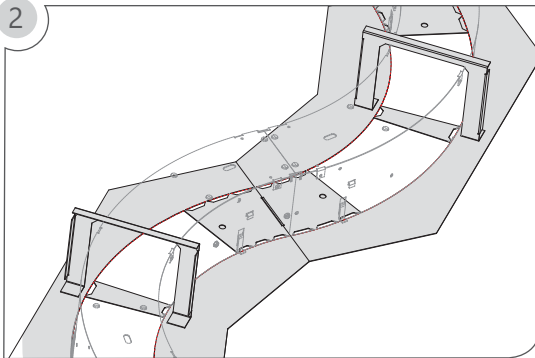
DRYWALL WITH FLANGE

DRYWALL SPACKLE FLANGE

FLANGE OPTIONS

Sketch® offers two options - an extruded aluminum slim flange detail to overlap the ceiling opening or a spackle edge for feathering in a flangeless drywall installation.

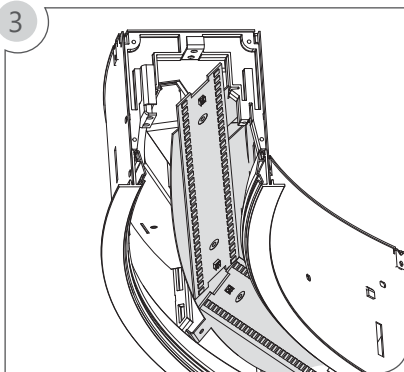
2



MOUNTING FRAME AND TEMPLATE

Each Sketch® module includes a laser-cut mounting frame that templates the ceiling opening and supports the luminaire. The mounting frame attaches to the ceiling support system and becomes a permanent part of that structure. An additional steel bridge is provided to span the opening and insure that exact spacing is maintained. Once the drywall ceiling is installed, precise openings for the luminaire can be cut with a rotary saw.

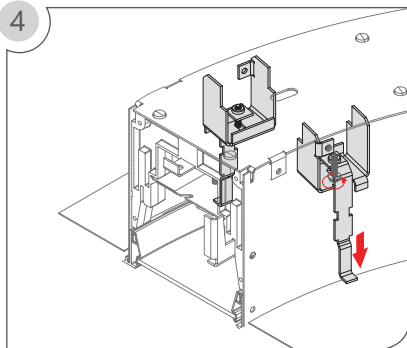
3



LED CARTRIDGE

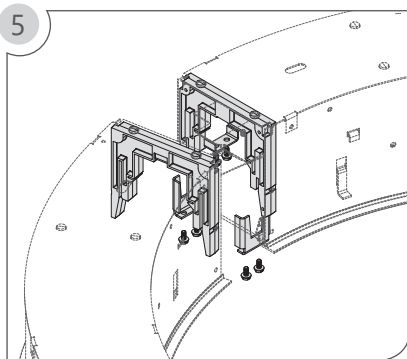
OptimaLED circuit boards mount to replaceable cartridges that are easily removed for service, access to drivers or mounting rods. Electrical connections are made with quick-connectors.

i Patent pending



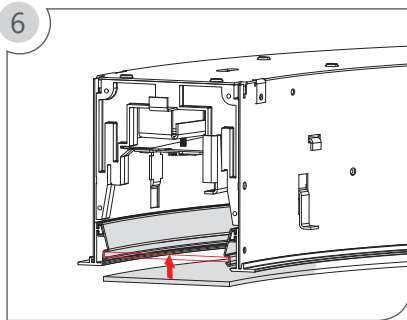
MOUNTING BRACKETS

Adjustable brackets permit the housing to be raised or lowered using screws accessed from below to accommodate ceiling thicknesses from 1/2" to 1 1/4", while remaining firmly supported by the mounting frame.



JOINER BRACKETS

Die-cast aluminum joiner brackets permit a precise, neat connection of Sketch® modules of any arc or radius to any other curved or straight segment.

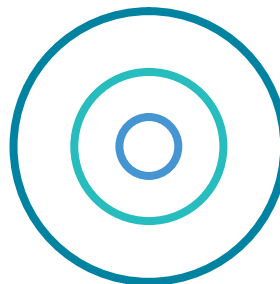


PRESS-IN LENS

CNC-cut lenses press into a unique flexible channel to maximize the luminous opening, while assuring a snug installation. This also permits a single large lens to serve multiple luminaire housings, minimizing seams.

i Patent pending

NOMINAL
23', 13' & 5'
DIAMETER CIRCLES







Please consult our website, www.axislighting.com, to determine your local Axis representative.
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