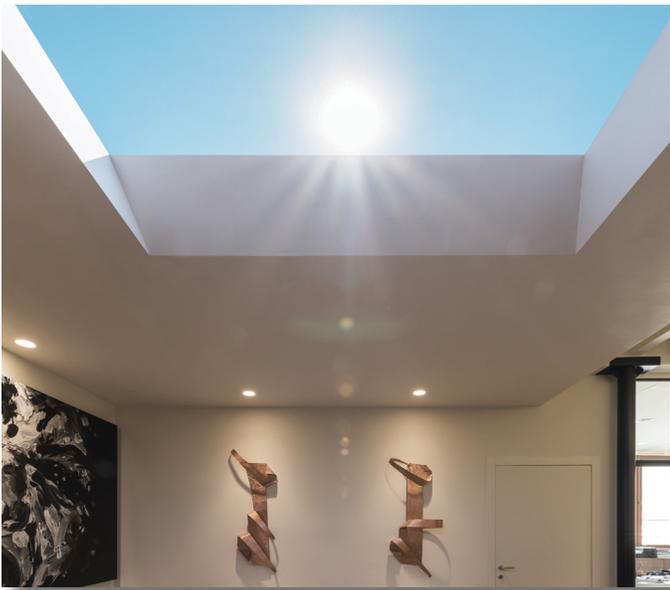


CoeLux High-End (AXHE) systems recreate the ultimate daylight experience with the sun and sky at an infinite distance. They come in two versions designed for high ceilings (HC) and low ceilings (LC).

- **AXHE 45HC** produces a 45-degree sun beam that delivers an equal balance of light and shade. Ideal for high-ceilinging spaces, it is the largest available CoeLux optical system, measuring approximately 16 ft<sup>2</sup> (1.5 m<sup>2</sup>). Also offered with an add-on moon option (CSM - CoeLux Sky, Sun & Moon light engine) for a dimly lit ambient night sky.



Project \_\_\_\_\_

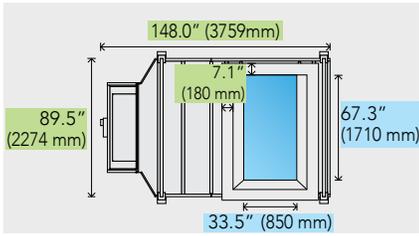
Type \_\_\_\_\_

Notes \_\_\_\_\_

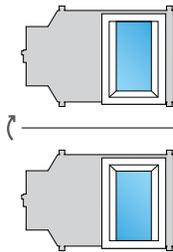


Ceiling installation

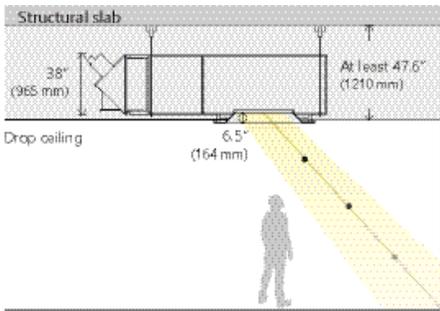
Bottom view\*\*



Frame position



Side view\*\*



Sun

- 2300 lux at 3.28' (1 m)
- 1500 lux at 6.56' (2 m)
- 1000 lux at 9.84' (3 m)

**THE AXIS ADVANTAGE**  
Exceptional lighting  
deserves exceptional support.

Frame type:

Reveal (Polyurethane)

Flush (Wood)



■ Fixture Dimensions    ■ Skylight Dimensions

\*\*Flangeless detail to drywall, wood or custom-cut ACT.



See full certification on page 4

## Ordering Guide

AXHE45HC	36	41		
PRODUCT ID	SIZE	LUMENS	FRAME TYPE	COELUX LIGHT ENGINE
AXHE45HC High End - 45 High Ceiling	36 3'x6' nominal (34.3" x 67.9")	41 4100 lm	RE reveal (polyurethane) FL flush (wood)	CSS CoeLux sky and sun CSM CoeLux sky, sun and moon
		Lumen output is fixed		See page 4 for more details

95	120	DA	1	CF
CRI	VOLTAGE	DRIVER	CIRCUITS	MOUNTING / SUSPENSION
95 95+ CRI	120 120 V	DA DALI*	1 1 circuit	CF CoeLux flangeless
* Driver Integral. Dimming down to 55%.				

## THE AXIS ADVANTAGE

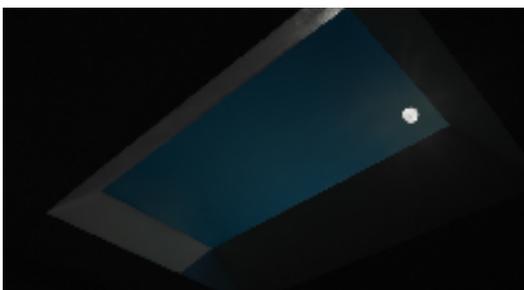
Exceptional lighting deserves exceptional support.



-  Axis Experience Centers to see CoeLux technology up close – Centers under development throughout North America in addition to Montreal, Canada location.
-  Axis Inspiration through a team of lighting experts with CoeLux experience and daylighting know-how to help you integrate CoeLux in your building.
-  Axis Design Resources, including application specialists and specification documents to help you design your CoeLux space.
-  Axis Service Commitment with fast delivery, installation guidelines and 5-year Axis warranty for unparalleled support.

Get more out of your CoeLux experience with Axis!

## AXHE 45HC



CoeLux moon



CoeLux sun

● SPECIFICATIONS

**CONSTRUCTION**

- Light Engine** Aluminum housing and structure supported by threaded rods.
- Optics** CoeLux patent-pending sky, sun and moon optics
- Support Frame** Extruded aluminum frame to support housing and trim
- Polyurethane Drop Trim** Reinforced polyurethane construction
- Flush Wood Trim** Wood

● WARRANTY

Limited 5-year warranty is available. Warranty is valid provided luminaires are installed and used according to specifications. For full terms and conditions, please consult warranty section at [axislighting.com](http://axislighting.com).

● CoeLux AXHE 45HC Basic Data

● LED SYSTEM

- CRI** 95+ color rendering index.
- CCT** See CoeLux AXHE 45HC basic data below.
- LED life** Minimum 50,000h with 80% of lumen maintenance in 25°C ambient temperature, in compliance with IES LM-80 testing measurements.
- Thermal Management** Aluminum housing acting as the heat sink to maximize life.
- Environment** Dry and damp rated for indoor use only in operating ambient temperatures of 0-40°C (32-104F) maximum operating relative humidity 95%.

● CoeLux Flangeless Frame

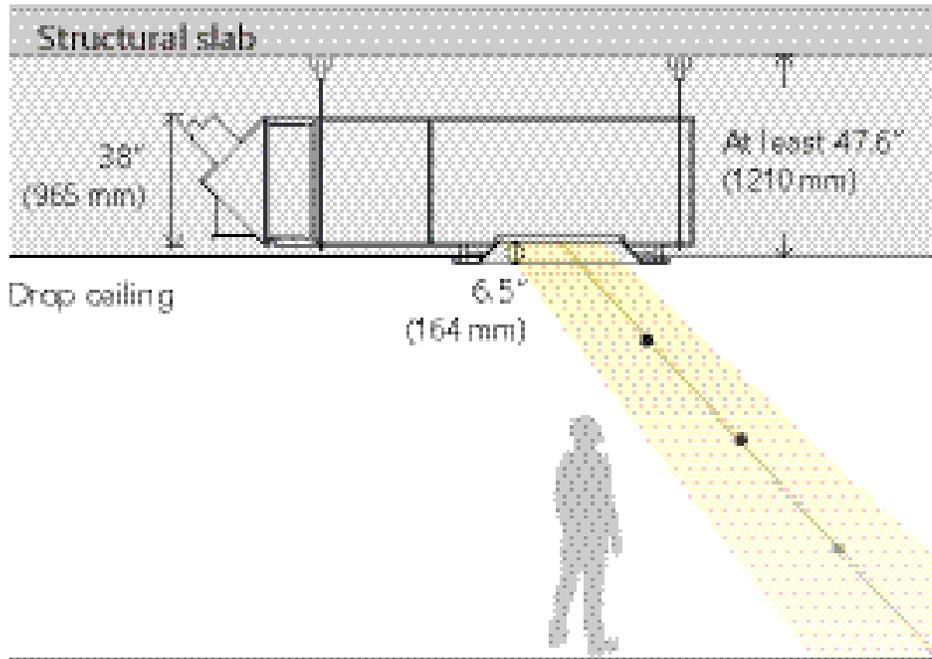
Luminaire supported by threaded rods and finished with a flangeless architectural frame. Can be surrounded by drywall, wood or custom cut ACT.

**AXIS SUPPORT**

For a visit to an Axis CoeLux Experience center, contact your local Axis representatives.

Product Name		AXHE 45HC	
		Sun state features	Moon state features
Optical features	<b>Total light output</b>	4700 lm	~ 10 lm
	<b>Lumen maintenance (L80)</b>	> 50000h	> 50000h
	<b>LED CRI (Ra)</b>	>95	
	<b>CCT of transmitted beam</b>	4100K	
	<b>CCT of the Sky</b>	~ 17000 K	
	<b>Beam angle</b>	45°	45°
	<b>Divergence (H/V)</b>	30°/10°	30°/10°
	<b>Sun appearance</b>	visible sharp	visible sharp
	<b>Sky appearance</b>	clear	clear
	<b>Melanopic Ratio (Sky)</b>	1.444	
<b>Melanopic Ratio (Sun)</b>	0.764		
Electrical	<b>Power input</b>	100-240V, 50/60Hz	100-240V, 50/60Hz
	<b>Max power consumption</b>	300W	< 15W
	<b>Typical power consumption</b>	270W	
Mechanical features	<b>Weight (without frame)</b>	300 kg 660 lb	300 kg 660 lb

● PHOTOMETRIC DATA



Sun

- 2300 lux at 3.28' (1 m)
- 1500 lux at 6.56' (2 m)
- 1000 lux at 9.84' (3 m)

\*IES files not available due to luminaire size limitations.