

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

**AXHE 45SQ** creates a false wall-mounted square window measuring approximately 10.5 ft<sup>2</sup> (1.0 m<sup>2</sup>). The product is suited to spaces with ceilings under 8' 10" (2.7 m).



**Project** \_\_\_\_\_

**Type** \_\_\_\_\_

**Notes** \_\_\_\_\_

**PERFORMANCE TABLE**

TRIM	NOM. LUMEN OUTPUT	INPUT WATTS*	EFFICACY
SQ	4600 lm	270 W	17 lm/W

\*Please consult factory for custom lumen output and wattage.

Typical horizontal illuminance

- At 1 m (3.28')\* 4000 Lux
- At 2 m (6.56')\* 2200 Lux
- At 3 m (9.84')\* 1400 Lux



**THE AXIS ADVANTAGE**

Exceptional lighting  
deserves exceptional support.



\*See full certification on page 4.

**Ordering Guide**





AXHE45SQ	33	46	FL		95
PRODUCT ID	SIZE (PERCEIVED)	LUMENS	FRAME TYPE	COELUX LIGHT ENGINE	CRI
AXHE45SQ High End - 45 Square	33 3'x3' nominal (980 mm x 980 mm)*	46 4600 lm	FL flush (wood)	CSS CoeLux sky and sun	95 95+ CRI
	* Please refer to technical drawing above for detailed dimensions of the unit.	Lumen output is fixed		See page 3 for more details	

VOLTAGE	DRIVER	1	CF
CIRCUIT	MOUNTING/SUSPENSION		
120 120 V	DA DALI DP dimming (0-10V) 1%*	1 1 circuit	CF CoeLux flangeless
	* Consult factory.		

## THE AXIS ADVANTAGE

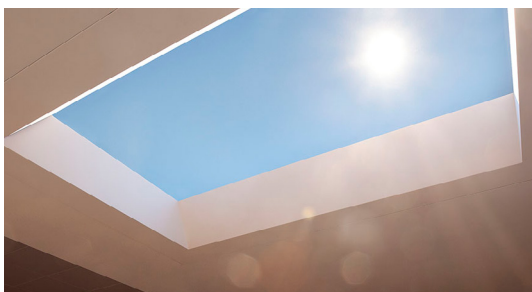
Exceptional lighting deserves exceptional support.



-  **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 45SQ



CoeLux sun

## ● SPECIFICATIONS

### CONSTRUCTION

<b>Light Engine</b>	Aluminum housing and structure supported by threaded rods.
<b>Optics</b>	CoeLux patent-pending sky, sun and moon optics
<b>Support Frame</b>	Extruded aluminum frame to support housing and trim
<b>Flush Wood Trim</b>	Wood

## ● WARRANTY

Axis Lighting will warrant defective LEDs, boards, and drivers for 5 years from date of purchase. Warranty is valid if luminaire is installed and used according to specifications. If defective, Axis will send replacement boards or drivers at no cost along with detailed replacement instructions and instructions on how to return defective components to Axis.

## ● CoeLux AXHE 45SQ basic data

## ● LED SYSTEM

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

**Contact your Axis local Rep. to visit the Axis/CoeLux Experience center or visit CoeLux innovation center at Axis.**

Product Name		AXHE 45SQ
Optical features	<b>Total light output</b>	4600 lm
	<b>Lumen maintenance (L80)</b>	> 50000h
	<b>LED CRI (Ra)</b>	>95
	<b>CCT of transmitted beam</b>	4100K
	<b>CCT of the Sky</b>	~ 15000 K
	<b>Beam angle</b>	45°
	<b>Divergence (H/V)</b>	30°/10°
	<b>Sun appearance</b>	visible sharp
	<b>Sky appearance</b>	clear
	<b>Melanopic Ratio (Sky)</b>	1.444
	<b>Melanopic Ratio (Sun)</b>	0.701
Electrical	<b>Power input</b>	100-240V, 50/60Hz
	<b>Max power consumption</b>	300W
	<b>Typical power consumption</b>	270W
Mechanical features	<b>Device dimensions (without frame)</b>	1685 x 1516 x h2314 mm 65.9 x 27.2 x h93.5 in
	<b>Maximum Volume</b>	1885 x 1665 x h2380 mm 74.2 x 65.5 x h93.7 in
	<b>Skylight size (perceived)</b>	980 x 980 mm 38.6 x 38.6 in
	<b>Weight (without frame)</b>	300 kg 660 lb

## ● PHOTOMETRIC DATA

