Columbia LIGHTING

CLH-LSCS

LUMEN & CCT SWITCHABLE LINEAR HIGH BAY

DATE: LOCATION:

TYPE: PROJECT:

CATALOG #:

FEATURES

- Field Switchable lumen and CCT technologies maximize inventory versatility and flexibility
- Two switchable lumen packages with Size 1 ranging between 16,000 to 22,000 and Size 2 ranging from 27,000 to 36,000 lumens. Switch is initially set to the maximum lumen level.
- Field switchable CCT can be either 3500K, 4000K or 5000K with both CCT's delivering 80 CRI. Switch is initially set to 4000K CCT.
- A universal voltage (120-347V) driver with 0-10V dimming to 10% provides great light output control
- Fixture comes standard with lens that provides a Medium (90°) optical distribution. Wide (120°) and Narrow (55°) optical distributions are available through field installed lens to help achieve required Fc levels and light uniformity.
- A field installed PIR sensor can be quickly installed. The highly featured sensor provides occupancy control. With the use of the sensor remote, daylighting and dimming capabilities can be enabled and the default settings can be customized.
- Integrated sensor options for code compliance, grouping of fixtures, increased energy savings, and connection to NX Lighting Controls systems
- Excellent thermal management in a compact fixture provides a wide ambient temperature application range: -40°C to +55°C

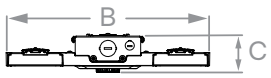


Shown with field installable sensor accessory

SERVICE PROGRAMS

tradeSELECT®

Typical Dimensions and Weights				
Sizes	Length Inches (mm)	(B) Width Inches (mm)	(C) Height Inches (mm)	Weight lbs (kg)
1	14.19" (360)	11.02" (280)	2.05 (52)	4.6 lb (2.1)
2	23.05" (585)	12.60" (320)	2.05 (52)	7.7 lb (3.5)



CERTIFIED c UL DAMP LOCATION IK08 *Lens Only* IK10 *Housing Only* SWITCHABLE LUMEN & CCT DLC LISTED PREMIUM

CONTROL TECHNOLOGY

OCCUPANCY SENSING DAYLIGHT HARVESTING

SPECIFICATIONS

CONSTRUCTION
- Die-cast aluminum housing and steel electrical enclosure

OPTICS
- Polycarbonate lens for medium, narrow and wide distributions

INSTALLATION
- Easy installation in new construction or retrofit
- Chain-mount kits (includes v-hooks and ⅛" thick, 1 meter long chain) are standard
- Surface, pendant and cable mount accessories available

ELECTRICAL
- Universal 120–347V driver
- Power Factor > 90
- Color Rendering Index > 80
- 0–10V Dimming to 10%
- Driver design life +50,000hr at max ambient
- Total Harmonic distortion < 20%
- Long-life LEDs provide 100,000 hours of operation with at least 70% of initial lumen output (L70)

CONTROLS
- Field installable PIR Occupancy Sensor

CERTIFICATIONS
- UL/cUL Listed for damp locations
- Suitable for ambient temperatures from: -40°C to 55°C (-40°F to 131°F)

WARRANTY
- 5 year warranty

© 2026 HLI Solutions, Inc. All rights reserved. Information and specifications subject to change without notice. All values are design or typical values when measured under laboratory conditions.

Columbia LIGHTING

DATE: LOCATION:

TYPE: PROJECT:

CATALOG #:

CLH-LSCS

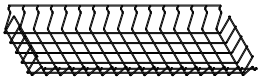
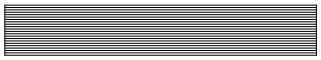
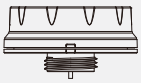
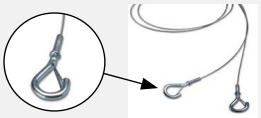
LUMEN & CCT SWITCHABLE LINEAR HIGH BAY

STOCK GUIDE tradeSELECT®

Size	SKU	Cat-Logic	Description*
Size 1	93321610	CLH1-LSCS-EDMV-M	120-347V Medium Distribution
			16/19/**22K** Lumen Switchable
			35/**40**/50K CCT Switchable
Size 2	93321611	CLH2-LSCS-EDMV-M	120-347V Medium Distribution
			27/32/**36K** Lumen Switchable
			35/**40**/50K CCT Switchable

**Default settings in BOLD*

ACCESSORY ORDERING GUIDE

MOUNTING AND ACCESSORIES				
Order SKU #		Image	Description	
☐	93321614		ILH Surface Mount Kit 1. Kit can be used on either size. 2. Not compatible with fixtures that have battery pack installed	
☐	93321615		ILH Pendant Mount Kit 1. Kit can be used on either size. 2. Not compatible with fixtures that have battery pack installed.	
☐	93321609		ILH WG1 - Wire Guard Size 1	
☐	93321613		ILH WG2 - Wire Guard Size 2	
☐	93321617		ILH-1 90D Lens - Medium Lens Size 1	
☐	93321620		ILH-2 90D Lens - Medium Lens Size 2	
☐	93321618		ILH-1 110D Lens - Wide Lens Size 1	
☐	93321621		ILH-2 110D Lens - Wide Lens Size 2	
☐	93321616		ILH-1 65D Lens - Narrow Lens Size 1	
☐	93321619		ILH-2 65D Lens - Narrow Lens Size 2	
☐	93161798		HB03DPR - Plug and Play Sensor 1. Easy plug-and-play install to front face of fixture. 2. Sensor requires remote if programming is desired.	
☐	93161799	Lens 	HB03DPR - Sensor Remote 1. Remote allows default settings to be changed. 2. Remote allows daylight and dimming sensor capabilities to be enabled and programmed.	
☐	93302310		Y-CBL-KIT-5FT - 5ft Y-Cable Kit	Y- Cable/ Hooks (Pair) 1. To be installed using V clips included with each fixture. Only requires (1) Y-Cable Hook per fixture.
	93302311		Y-CBL-KIT-10FT - 10ft Y-Cable Kit	
	93306699		Y-CBL-KIT-15FT - 15ft Y-Cable Kit	
	93306750		Y-CBL-KIT-20FT - 20ft Y-Cable Kit	

© 2026 HLI Solutions, Inc. All rights reserved. Information and specifications subject to change without notice. All values are design or typical values when measured under laboratory conditions.

DATE: LOCATION:

TYPE: PROJECT:

CATALOG #:

CLH-LSCS

LUMEN & CCT SWITCHABLE LINEAR HIGH BAY

DELIVERED LUMENS

SKU/Catalog Number	UPC	Size/Distribution	Input power (W)	Lumen flux (lm)	LPW (lm/W)	CCT(K)
93321610 CLH1-LSCS-EDMV-M	840141439549	CLH Size 1 Medium Distribution	110	15500	138	3500
			108	16500	151	4000
			110	16200	146	5000
			130	17800	136	3500
			127	19200	150	4000
			130	18400	142	5000
			150	20000	132	3500
			145	22000	148	4000
			150	21000	138	5000
93321611 CLH2-LSCS-EDMV-M	840141439556	CLH Size 2 Medium Distribution	180	26000	145	3500
			176	27400	155	4000
			180	26800	149	5000
			220	30800	140	3500
			214	32800	154	4000
			220	31700	144	5000
			255	34500	135	3500
			245	36500	150	4000
			255	35200	138	5000

© 2026 HLI Solutions, Inc. All rights reserved. Information and specifications subject to change without notice. All values are design or typical values when measured under laboratory conditions.

CLH-LSCS

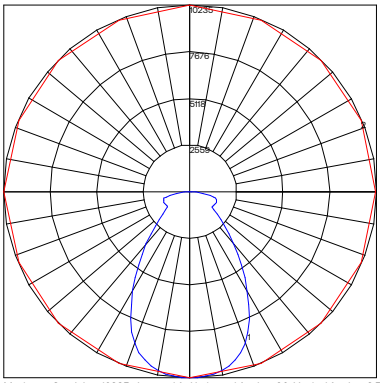
LUMEN & CCT SWITCHABLE LINEAR HIGH BAY

PHOTOMETRY

SIZE 1 NARROW DISTRIBUTION

Settings @22K Lumen, 3500K CCT

POLAR GRAPH
REF 25.00520

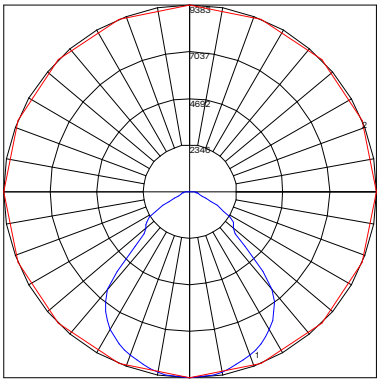


Maximum Candela = 10235 Located At Horizontal Angle = 90, Vertical Angle = 2.5
1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (2.5) (Through Max. Cd.)

SIZE 1 MEDIUM DISTRIBUTION

Settings @22K Lumen, 3500K CCT

POLAR GRAPH
REF 25.00523

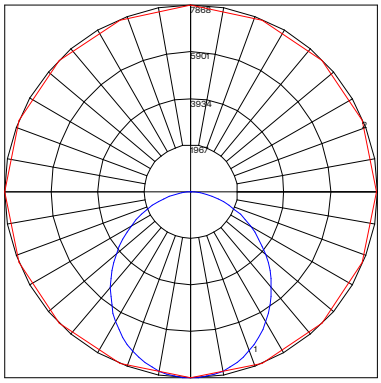


Maximum Candela = 9383 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (0) (Through Max. Cd.)

SIZE 1 WIDE DISTRIBUTION

Settings @22K Lumen, 3500K CCT

POLAR GRAPH
REF 25.00526

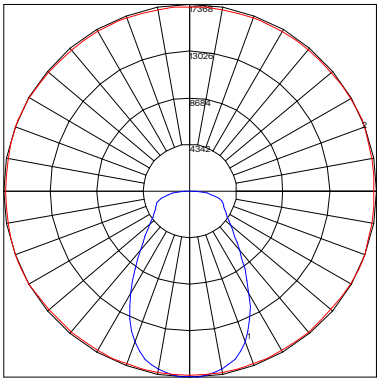


Maximum Candela = 7868 Located At Horizontal Angle = 90, Vertical Angle = 2.5
1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (2.5) (Through Max. Cd.)

SIZE 2 NARROW DISTRIBUTION

Settings @36K Lumen, 3500K CCT

POLAR GRAPH
REF 25.00133

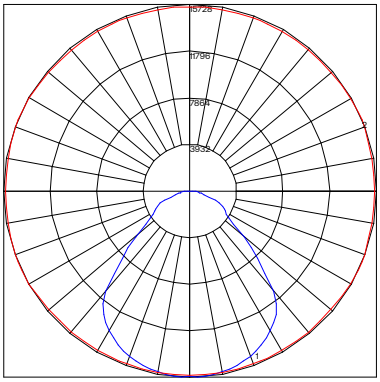


Maximum Candela = 17368 Located At Horizontal Angle = 25, Vertical Angle = 2.5
1 - Vertical Plane Through Horizontal Angles (25 - 205) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (2.5) (Through Max. Cd.)

SIZE 2 MEDIUM DISTRIBUTION

Settings @36K Lumen, 3500K CCT

POLAR GRAPH
REF 25.00136

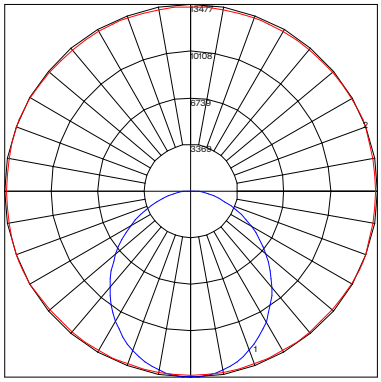


Maximum Candela = 15728 Located At Horizontal Angle = 25, Vertical Angle = 2.5
1 - Vertical Plane Through Horizontal Angles (25 - 205) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (2.5) (Through Max. Cd.)

SIZE 2 WIDE DISTRIBUTION

Settings @36K Lumen, 3500K CCT

POLAR GRAPH
REF 25.00139



Maximum Candela = 13477 Located At Horizontal Angle = 25, Vertical Angle = 2.5
1 - Vertical Plane Through Horizontal Angles (25 - 205) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (2.5) (Through Max. Cd.)

© 2026 HLI Solutions, Inc. All rights reserved. Information and specifications subject to change without notice. All values are design or typical values when measured under laboratory conditions.

CLH-LSCS

LUMEN & CCT SWITCHABLE LINEAR HIGH BAY

DATE: LOCATION:

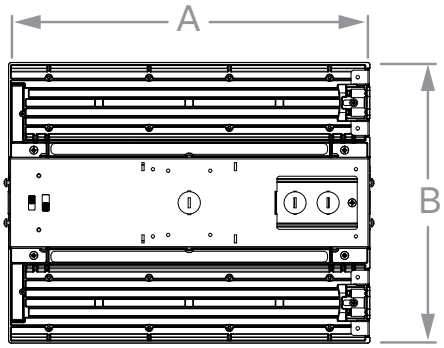
TYPE: PROJECT:

CATALOG #:

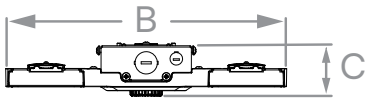
DIMENSIONS

SIZE 1

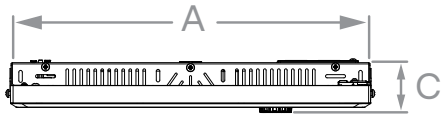
Bottom View



End View

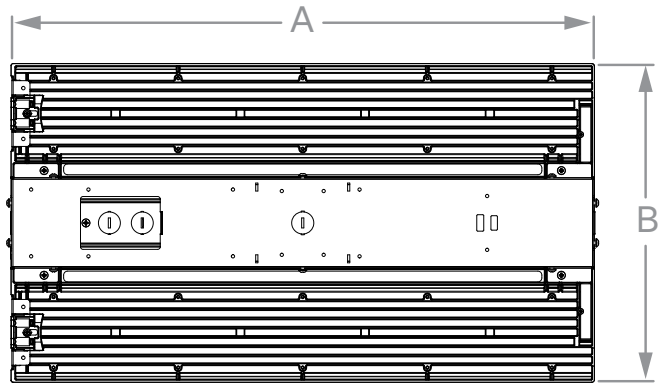


Side View

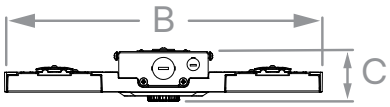


SIZE 2

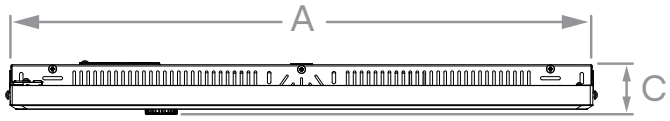
Bottom View



End View



Side View



Size	Length (A) inches (mm)	Width (B) inches (mm)	Height (C) inches (mm)
1	14.19" (360)	11.02" (280)	2.05 (52)
2	23.05" (585)	12.60" (320)	2.05 (52)

© 2026 HLI Solutions, Inc. All rights reserved. Information and specifications subject to change without notice. All values are design or typical values when measured under laboratory conditions.

Columbia LIGHTING

CLH-LSCS

LUMEN & CCT SWITCHABLE LINEAR HIGH BAY

DATE: LOCATION:

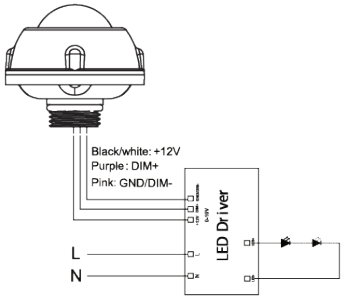
TYPE: PROJECT:

CATALOG #:

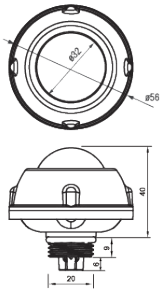
HB03DPR MOTION SENSOR ACCESSORY







Wiring diagram



Unit:mm

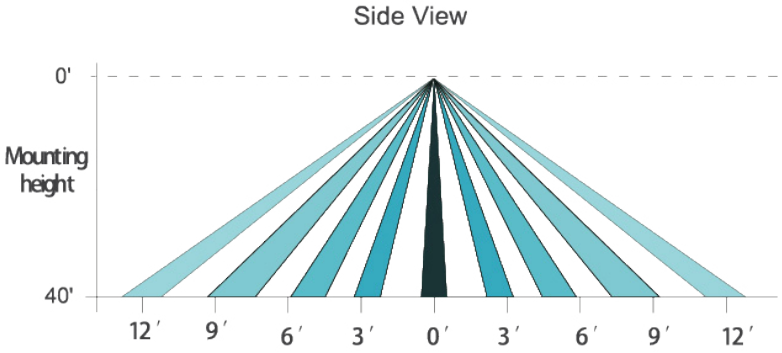
TECHNICAL DATA	
Operating Voltage:	12±2V DC
Operating Current	30mA
Output:	DIM 0-10V
Stand-by Power:	<0.5W
Brightness:	0%-100% Quick Setting: 70%/80%/90%/100%
Hold Time:	10s/1min/10min/30min
Daylight Threshold:	10Lux/30Lux/50Lux/100Lux/Disable
Stand-by Time:	1min/30min/60min + ∞

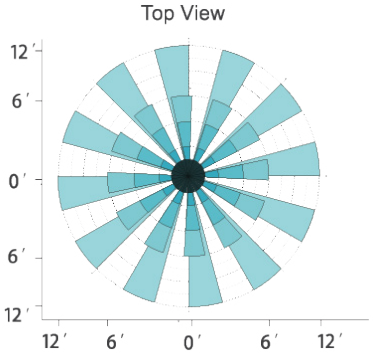
TECHNICAL DATA	
Stand-by Dimming Level:	10%/20%/30%/50%
Detection Angle:	≤120° (wall mounted), 360° (Ceiling mounted)
Mounting Height:	≤12m/39.37ft (Ceiling mounted)
Detection Range:	Radius, 2-4m/6.58-13.12ft (Ceiling mounted)
Operating Temperature:	−30°C~+60°C
IP Rating:	IP65 (Mounted on the light fixture)
Warm-up Period	50S

Note: Default setting - Brightness: 100%, Hold time: 1min, Stand-by dimming level: 20%, Stand-by time: 1min, Sensitivity: 100% (non-adjustable) Daylight: Disable.

DETECTION COVERAGE

This figure indicates the maximum distance at the highest mounting height with 100% sensitivity.



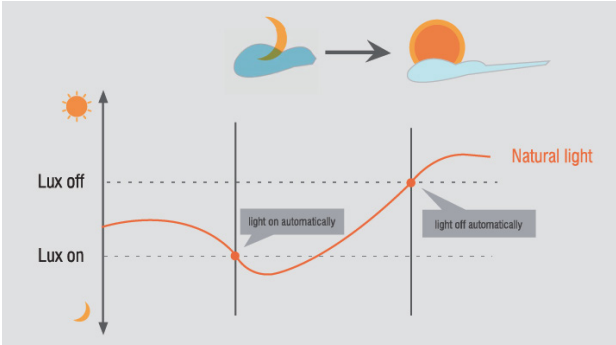


LUX ON/OFF

Adopted dual PD technology, PRC Motion Sensor is able to differentiate artificial light brightness from natural light after installed inside the fixture, and automatically turn off light when ambient brightness exceeds preset lux level.

Preconditions to use the Lux-off function:

1. **Stand-by time is + ∞**
2. **Stand-by dimming level is on 10%, 20%, 30%, or 50%**
3. **Daylight threshold is on 10Lux, 30Lux, 50Lux, or 100Lux (About 20% error between actual and reference values).**



© 2026 HLI Solutions, Inc. All rights reserved. Information and specifications subject to change without notice. All values are design or typical values when measured under laboratory conditions.

CLH-LSCS

LUMEN & CCT SWITCHABLE LINEAR HIGH BAY

HB03DPR-REMOTE



DISPLAY AREA

Brightness (70%, 80%, 90%, 100%)

Daylight (10%, 30%, 50%, 100%)

Standby Dim (10%, 20%, 30%, 50%)

Hold Time (10s/1min/10min/30min)

Sensitivity (20%, 50%, 75%, 100%)

Standby Time (+ ∞ 1min/30min/60min)

BUTTON SETTING AREA

On/Off (Long press the "On/Off" button until the brightness indicator light is on (First-row). Press to turn on or turn off the fixture.)

Brightness (Press to adjust dimming level 70%, 80%, 90%, 100%)

Standby Dim (10%, 20%, 30%, 50%)

Send (Press to save settings after each change. The indicator light confirms the save setting.)

Hold Time (Press to adjust hold time 10s/1min/10min/30min.)

Daylight (Long press the button until the daylight indicator light is on press to adjust daylight threshold 10%, 30%, 50%, 100%)

Sensitivity (Press to adjust sensitivity 20%, 50%, 75%, 100%) Note: PIR Motion Sensor have no sensitivity setting, the default 100%.)

Standby Dim (Press to adjust stand-by time + ∞ 1min/30min/60min). Note: "+ ∞" means unlimited stand-by time, and the light control mode is the light control priority mode, otherwise it's the light threshold mode.

Reset (Press "Reset" button, products with DIP switch will be controlled by DIP switches; Otherwise all the setting will change, which is Brightness 70%/Hold time 10s/Sensitivity 20%/ Daylight threshold disable/Stand-by dimming level 10%/ Stand-by time + ∞)

Test (The button "Test" is for testing purpose after debugging. Pressing this button, the sensor goes to test mode (Hold time is only 3S).)

Press to increase brightness (0–100%)

Press to reduce brightness (100%–0%)

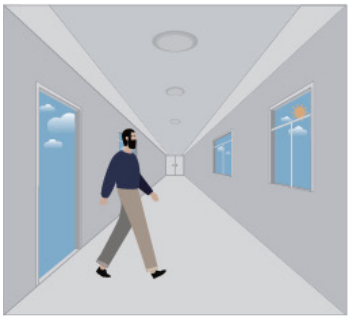
© 2026 HLI Solutions, Inc. All rights reserved. Information and specifications subject to change without notice. All values are design or typical values when measured under laboratory conditions.

CLH-LSCS

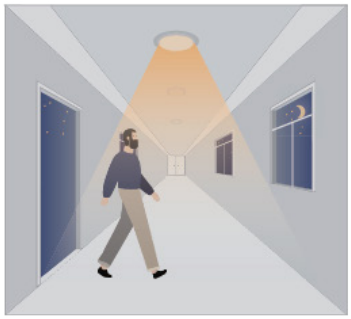
LUMEN & CCT SWITCHABLE LINEAR HIGH BAY

PERFORMANCE

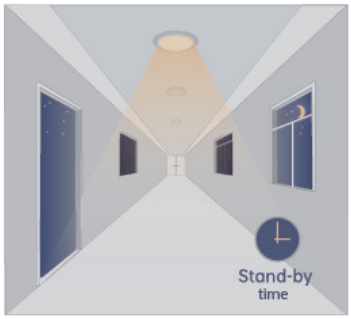
1. AUTOMATIC ON/OFF FUNCTION



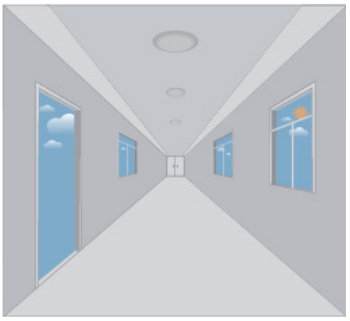
With sufficient daylight, even when motion is detected, light will remain OFF.



With insufficient daylight, the sensor turns light ON when motion gets detected.

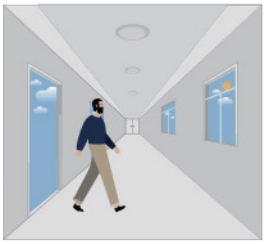


Light dims to stand-by level if no motion detected after hold time.

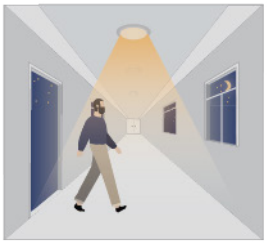


Light OFF when ambient lux level is higher than preset lux amount.

2. CORRIDOR FUNCTION, BI-LEVEL DIMMABLE



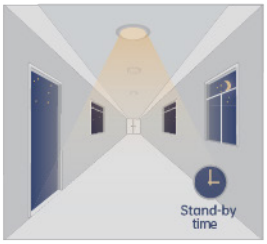
With sufficient daylight, the sensor keeps light OFF even motion gets detected, daylight function is on.



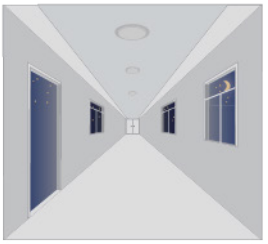
With insufficient daylight, the sensor turns light ON when motion gets detected.



After there's no motion detected, the sensor keeps light ON brightness setting for hold time.

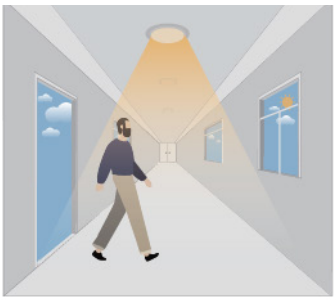


After holdtime, sensor dims light to stand-by dimming level for stand-by time.



The sensor turns OFF light automatically after the stand-by time when there's no motion detected.

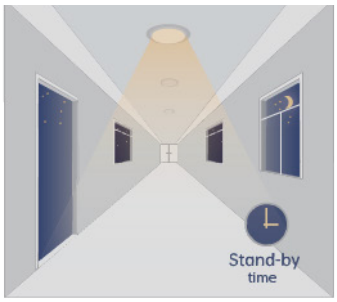
3. DAYLIGHT DISABLE



The sensor turns light ON when motion gets detected.



The sensor keeps light ON for hold time after motion leaves.



After hold time, sensor dims light to stand-by dimming level for stand-by time.



The sensor turns OFF light automatically after the stand-by time when there's no motion detected.

© 2026 HLI Solutions, Inc. All rights reserved. Information and specifications subject to change without notice. All values are design or typical values when measured under laboratory conditions.