

AllSlope LED System

HL6 Series Ordering Information

1. Housing

HL612ICAT = 6" Slope ceiling, insulated ceiling rated, Air-Tite, recessed housing, UNV 120V-277V
HL618TAT = 6" Slope ceiling, non-insulated ceiling rated, Air-Tite, recessed housing, UNV 120V-277V
HL618TCP = 6" Slope ceiling recessed housing, non-insulated ceiling rated, CCEA marked for Chicago Plenum, UNV 120V-277V

3. LED Trims

Reflector - OD: 7-1/4" [184mm]

455SC = Specular clear reflector, white metal trim ring
455H = Semi-specular haze reflector, white metal trim ring
455SN = Satin nickel reflector, satin nickel metal trim ring
455TBZ = Tuscan bronze reflector, tuscan bronze metal trim ring

Baffles - OD: 7-1/4" [184mm]

456W = White Coilex baffle, white metal trim ring
456P = Black Coilex baffle, white metal trim ring

Lenses and Diffusers "Dead-Front" - OD: 8" [203mm]

70P = Albalite glass lens, white polymer trim ring
70PS = Albalite glass lens, white polymer trim ring, wet location - Showerlight
70SNS = Albalite glass lens, satin nickel polymer trim ring, wet location - Showerlight
71P = Drop opal glass lens, white polymer trim ring
71PS = Drop opal glass lens, white polymer trim ring, wet location - Showerlight
73P = Fresnel glass lens, white polymer trim ring
73PS = Fresnel glass lens, white polymer trim ring, wet location - Showerlight

Accessories (Order Separately)

Oversize Trim Rings

OT400P = Oversize flat white metal trim ring 6" ID x 9-1/4" OD (ring slips behind trim, in stepped configuration)
OT403P = Oversize white plastic trim ring 6" ID x 8" OD (ring slips behind trim, in stepped configuration)
TRM690WH = Oversize matte white metal trim ring. Designed to inset into oversize ring for an even (non-stepped) trim surface.



Designer Trim Rings

OD 7-1/4" 184mm; 6" Designer trim rings, for 455 and 456 trims
TRM6C = Chrome metal
TRM6MB = Black metal
TRM6P = White metal
TRM6SN = Satin nickel metal
TRM6TBZ = Tuscan bronze metal
TRM7MB = Black polymer



HL6 Energy Data

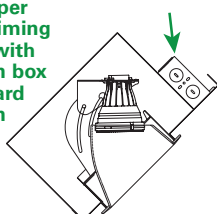
HL612ICAT (1200 Series)

Min. operating temperature	-30C/-22F
Input Voltage	120V 277V
Input Current (A)	0.16 0.07
Input Power (W)	19.1 20.0
Input Frequency	50/60Hz
FCC 47CFR Part 15 EMI/RFI	Consumer Limits (Residential & Commercial)
THD	≤ 20%
Power Factor	≥ 0.9
Sound Rating	Class A

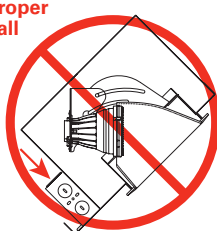
HL618TAT & HL618TCP (1800 Series)

Min. operating temperature	-30C/-22F
Input Voltage	120V 277V
Input Current (A)	0.23 0.10
Input Power (W)	27.6 27.0
Input Frequency	50/60Hz
FCC 47CFR Part 15 EMI/RFI	Consumer Limits (Residential & Commercial)
THD	≤ 20%
Power Factor	≥ 0.9
Sound Rating	Class A

For proper slope aiming install with junction box in upward position



Improper Install



2. LED Light Engines

HLM6927 = 90 CRI, 2700K 40° Flood lens
HLM6930 = 90 CRI, 3000K 40° Flood lens
HLM6935 = 90 CRI, 3500K 40° Flood lens
HLM6940 = 90 CRI, 4000K 40° Flood lens

2. Lens Optics Beam Forming (Order Separately)

HL6NFL = 25° Narrow flood
HL6FL = 40° Flood (1 included with LED light engine)
HL6WFL = 55° Wide flood
HL6HRPK = Replacement lens holder ring

LED Driver

- Integral to the housing, 120V-277V 50/60 Hz universal voltage, constant current dimmable driver provides high efficiency operation
- Driver meets FCC 47CFR Part 15 EMI/RFI consumer limits for use in residential and commercial installations
- Driver features high power factor and low THD and has integral thermal protection in the event of over temperature or internal failure
- Driver is specifically designed for compatibility with HLM6 LED light engines
- If dimming is not required the fixture can be operated from a standard wall switch

Dimming

Phase Control

- Designed for continuous dimming capability to nominally 5% with many 120V Leading Edge (LE) and Trailing Edge (TE) phase control dimmers. (Dimmers with low end trim adjustment offer greater assurance of achieving 5% level)
- Consult dimmer manufacturer for compatibility and conditions of use. (Note, some dimmers require a neutral in the wallbox)

0-10V

- Dimmable to 10% in typical operation with compatible 0-10V DC low voltage dimmers
- 0-10V DC dimmers operate using two low voltage dimming wires (color coded violet and gray). The low voltage dimming wires are separate from the 120V AC or 277V AC power.
- Switching on/off is controlled via the line voltage (120V AC or 2 V AC) power, and dimming is controlled via the 2-wire 0-10V DC low voltage wiring

Color Specification & Quality Standards

- A tight chromaticity specification ensures LED color uniformity, sustainable Color Rendering Index (CRI) and Correlated Color Temperature (CCT) over the useful life of the LED
- High color performance with 90 CRI minimum, and R9 greater than 50
- LED color uniformity of 3 SDCM exceeds ENERGY STAR® color standards per ANSI C78.377-2008
- Halo LED serialized testing and measurement ensures color and lumen consistency on a per-unit basis, and validates long-term product consistency over time
- Lumen maintenance L70 at 50,000 hours