



4" Downlight Assembly with Housing

Product Features

Helios Series Performance Downlight represents the new generation of the ALLURE line, featuring field-selectable CCT and lumen package functions. Elevate your space with customizable brilliance, combining energy efficiency, flicker-free illumination, and the flexibility to tailor the lighting to your specific needs. >80CRI; 88% of luminous flux after 50000 hours; cULus listed for damp location, universal power supply 0-10v dimming capability.

Technical Specifications

| | |
|-----------------------|-----------------------|
| INPUT VOLTAGE | AC120-277V |
| FREQUENCY | 50/60hz |
| LUMEN | 1730 ~ 3444LM |
| WATTAGE | 18 / 27 / 40W |
| LPW | 90 |
| COLOR TEMPERATURE | 3000K / 3500K / 4000K |
| COLOR RENDERING INDEX | >90 |
| DISTRIBUTION | 40° Downlight |
| IP RATING | Damp Location |
| LIFE SPAN | >50,000 Hours |
| DIMMING | 0-10v Dimming |



HELIOS SERIES | 4" Performance Downlight

SUBMITTAL WORKSHEET

Order Code Example: LIGHT ENGINE

HL - 40SC

A B

Order Code Example: TRIM

HL-4DR-WH

C

Order Code Example: MOUNTING / EMB

HL4-NCR

EMB-H08170

D

E

A SERIES (CHOOSE ONE)

HL Helios Series Performance Downlight

B LIGHT ENGINE (CHOOSE ONE)

| CODE | POWER | CCT | LPW |
|---------|--------------------------------|--|---------|
| 40SC QS | Field Selectable 18 / 27 / 40W | Field Selectable 3000K / 3500K / 4000K | 90 Avg. |

C TRIM (CHOOSE ONE)

HL4-DR-WH QS 4" Round Cone, Deep Regressed Trim, Smooth White

D HOUSING (CHOOSE ONE)

blank QS No Housing, Retrofit Application, 120-277V Input, 0-10V Dimming
 HL4-NCR QS 4" New Construction Housing, Integral Driver 120-277V Input, 0-10V Dimming

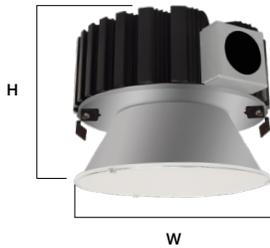
E EMERGENCY BATTERY (CHOOSE ONE)

EMB-H08170 QS 90-Minute Self-Diagnostic Emergency Battery 8W 100-347VAC Input 170VDC Output
 EMB-H18170 QS 90-Minute Self-Diagnostic Emergency Battery 18W 100-347VAC Input 170VDC Output

HELIOS SERIES | 4" Performance Downlight

DIMENSIONS

| CODE | DIMENSION | |
|---------|-----------|---------|
| | H | W |
| HL-40SC | 1.57" | ø 3.29" |



HL-40SC Light Engine

LED Chip: Samsung

Power: Field Selectable 18W / 27W / 40W

Quality: >80 CRI, 3-step SDCM

CCT: Field Selectable 3000K / 3500K / 4000K

Distribution: 40°

Input: 120~277V, 50/60Hz

Dimming: 0-10V Dimming, continuous dimming to 10%

Dimmer: Tested with Lutron Diva-DVTV, Leviton IP-710-DL

Power Factor: Greater than 0.9

Ambient Operating Temperature: -20°C to 40°C

Lifetime: 50,000 hours at 70% lumen maintenance

Listing: cULus Damp Location

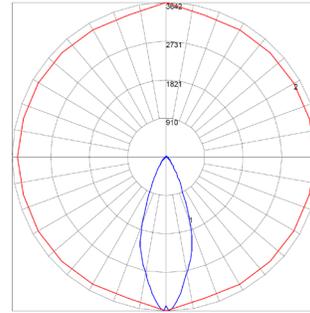
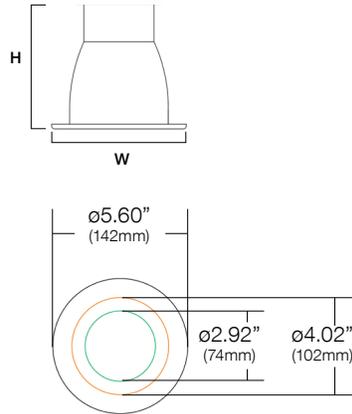
IC Rating: IC Rated

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DIMENSIONS - TRIM

HL4-DR-WH - 4" Round Deep Regressed Trim, Smooth White

IES: HL-40SC - HL4-DR-WH @ 27W 3000K



| Zone | Lumen | Luminaire% |
|-------|-------|------------|
| 0-30 | 1475 | 61.50 |
| 0-40 | 2083 | 86.80 |
| 0-60 | 2378 | 99.10 |
| 0-90 | 2392 | 99.70 |
| 0-180 | 2399 | 100 |

Lumen: 2398
 Input Watts: 25.9 W
 Efficacy: 93 LPW
 UGR: 7.5

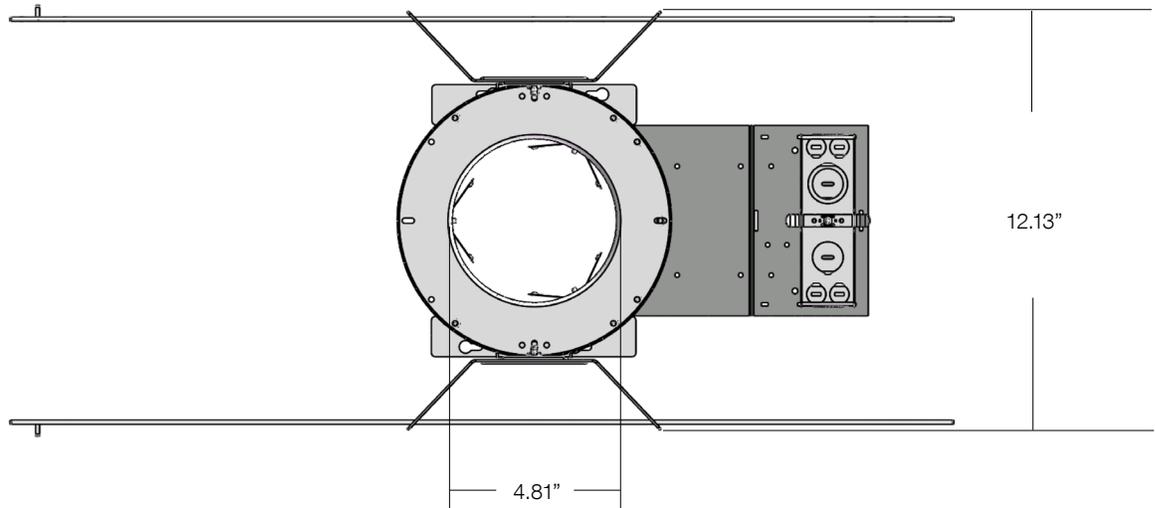
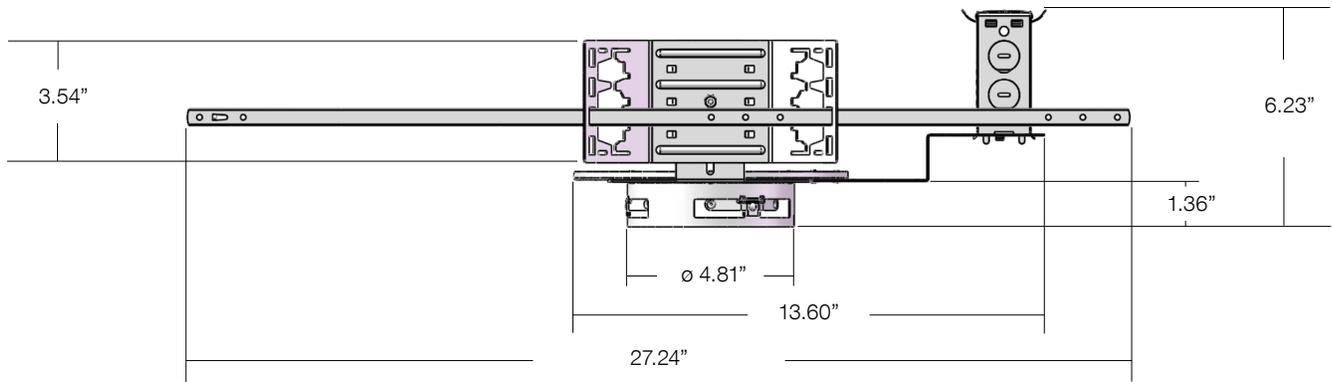
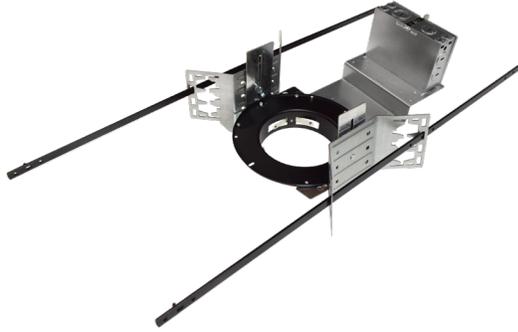
HELIOS SERIES | 4" Performance Downlight

DIMENSIONS - HOUSING

HL4-NCR - New Construction Housing

HOUSING CUTOUT DIMENSION

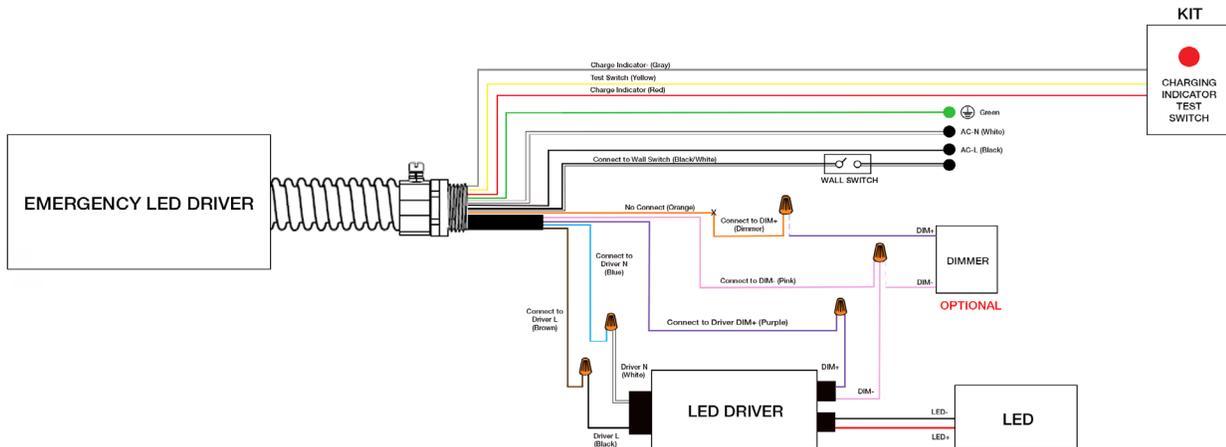
| Housing | Cutout Size |
|--------------|----------------------------|
| 4" - HL4-NCR | Round 4" min. to 4.7" max. |



HELIOS SERIES | 4" Performance Downlight

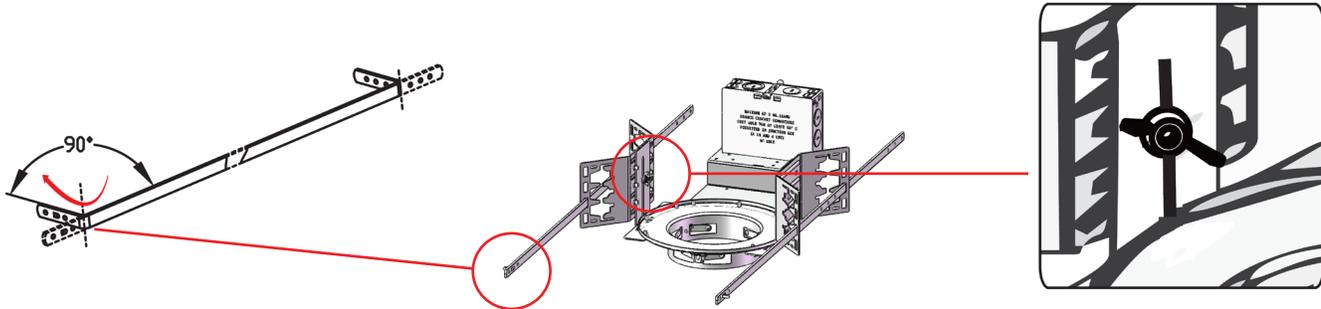
EMB SPEC

| Model | Battery Capacity | Input | Output | Output Power | Operating Temp | Installation |
|------------|------------------|------------|--------|--------------|----------------------------|---------------|
| EMB-H08170 | 90mins | 100-347VAC | 170VDC | 8W | 0°C ~ 50°C 32°F ~ 122°F | Field Install |
| EMB-H18170 | 90mins | 100-347VAC | 170VDC | 18W | 0°C ~ 50°C 32°F ~ 122°F | Field Install |



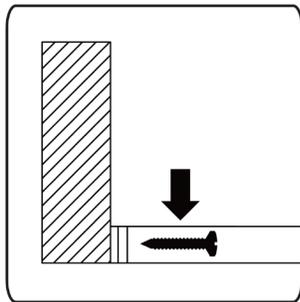
HELIOS SERIES | 4" Performance Downlight

INSTALLATION

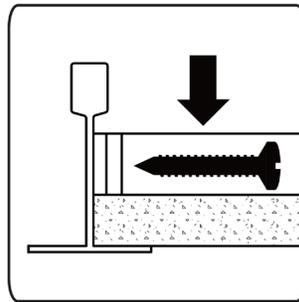


Bend the support brackets (length determined by installer) Secure with Screw (Fig 4 & 5)

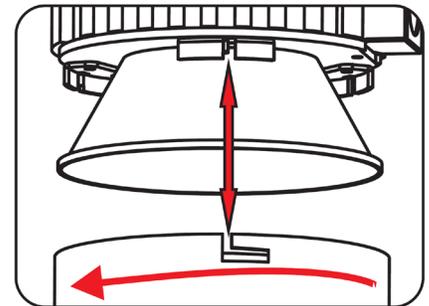
Use wing nut to adjust height of housing frame



Wood



T-Bar



Line up trim and engine, turn clockwise to lock

HOUSING CUTOUT DIMENSION

| Housing | Cutout Size |
|--------------|----------------------------|
| 4" - HL4-NCR | Round 4" min. to 4.7" max. |