



8" 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                 | 1500 ~ 3500LM         | 4200 ~ 6800LM |
| WATTAGE               | 18 / 27 / 40W         | 50 / 65 / 80W |
| LPW                   | 84                    |               |
| COLOR TEMPERATURE     | 3000K / 3500K / 4000K |               |
| COLOR RENDERING INDEX | >90                   |               |
| DISTRIBUTION          | 45° Downlight         |               |
| IP RATING             | Damp Location         |               |
| LIFE SPAN             | >50,000 Hours         |               |
| DIMMING               | 0-10v Dimming         |               |



## HELIOS SERIES | 6 / 8 / 10" Performance Downlight

### SUBMITTAL WORKSHEET

Order Code Example: LIGHT ENGINE

HL - 40SC

A B

Order Code Example: TRIM

HL-6DR-WH

C

Order Code Example: MOUNTING / EMB

HL6-NCR

EMB-H08170

D

E

#### A SERIES (CHOOSE ONE)

HL Helios Series Performance Downlight

#### B LIGHT ENGINE (CHOOSE ONE)

##### STANDARD OUTPUT

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

##### HIGH OUTPUT

| CODE    | POWER                          | CCT   | LPW     |
|---------|--------------------------------|-------|---------|
| 8035 QS | Field Selectable 50 / 65 / 80W | 3500K | 89 Avg. |
| 8040 QS | Field Selectable 50 / 65 / 80W | 4000K | 89 Avg. |

#### C TRIM (CHOOSE ONE)

|               |                                                   |
|---------------|---------------------------------------------------|
| HL6-DR-WH QS  | 6" Round Cone, Deep Regressed Trim, Smooth White  |
| HL8-DR-WH QS  | 8" Round Cone, Deep Regressed Trim, Smooth White  |
| HL10-DR-WH QS | 10" Round Cone, Deep Regressed Trim, Smooth White |

#### D HOUSING (CHOOSE ONE)

|             |                                                                 |
|-------------|-----------------------------------------------------------------|
| blank QS    | No Housing, Retrofit Application, 120-277V Input, 0-10V Dimming |
| HL6-NCR QS  | 6" New Construction Housing, 120-277V Input, 0-10V Dimming      |
| HL8-NCR QS  | 8" New Construction Housing, 120-277V Input, 0-10V Dimming      |
| HL10-NCR QS | 10" New Construction Housing, 120-277V Input, 0-10V Dimming     |

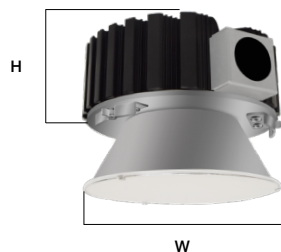
#### E EMERGENCY BATTERY (CHOOSE ONE)

|               |                                                                                |
|---------------|--------------------------------------------------------------------------------|
| 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 |

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### DIMENSIONS

| CODE           | DIMENSION |         |
|----------------|-----------|---------|
|                | H         | W       |
| HL-40SC        | 1.57"     | ø 3.29" |
| HL-8035 / 8040 | 3.94"     | ø 3.29" |



#### HL-40SC Standard Output Engine

**LED Chip:** Samsung

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

**Quality:** >80 CRI, 3-step SDCM

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

**Distribution:** 45°

**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:** -20C° to 40°C

**Lifetime:** 50,000 hours at 70% lumen maintenance

**Listing:** cULus Damp Location

**IC Rating:** IC Rated



#### HL-8035 / 8040 High Output Engine

**LED Chip:** Samsung

**Power:** Field Selectable 50 / 65 / 80W

**Quality:** >80 CRI, 3-step SDCM

**CCT:** 3500K or 4000K

**Distribution:** 45°

**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:** -20C° to 40°C

**Lifetime:** 50,000 hours at 70% lumen maintenance

**Listing:** cULus Damp Location, Non-IC

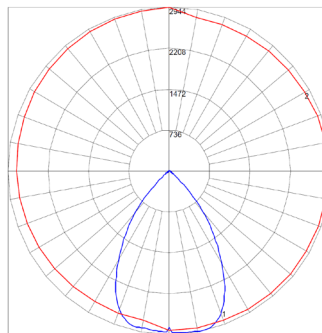
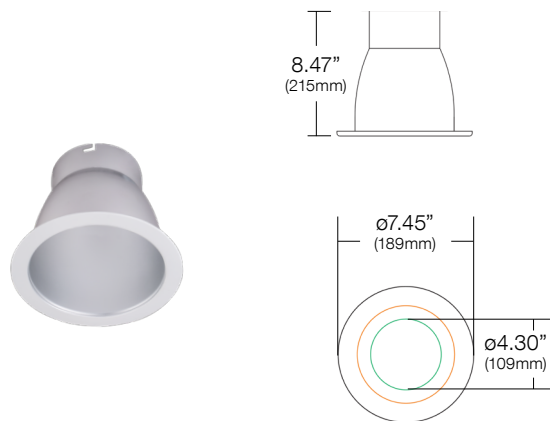
**IC Rating:** Non-IC Rated

## HELIOS SERIES | 6 / 8 / 10" Performance Downlight

### DIMENSIONS - TRIMS

**HL6-DR-WH** - 6" Round Deep Regressed Trim, Smooth White

IES: HL-40SC - HL6-DR-WH @ 40W 3000K

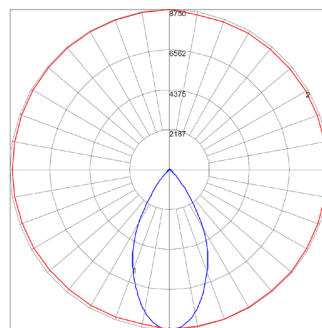


| Zone  | Lumen | Luminaire% |
|-------|-------|------------|
| 0-30  | 2118  | 61.50      |
| 0-40  | 2990  | 86.80      |
| 0-60  | 3414  | 99.10      |
| 0-90  | 3434  | 99.70      |
| 0-180 | 3444  | 100        |

Lumen: 3444  
Input Watts: 40 W  
Efficacy: 81 LPW  
UGR: 8.6

**HL8-DR-WH** - 8" Round Deep Regressed Trim, Smooth White

IES: HL-8035 - HL8-DR-WH @ 80W 3500K



| Zone  | Lumen | Luminaire% |
|-------|-------|------------|
| 0-30  | 4870  | 72.30      |
| 0-40  | 6181  | 91.80      |
| 0-60  | 6664  | 99.00      |
| 0-90  | 6714  | 99.70      |
| 0-180 | 6733  | 100        |

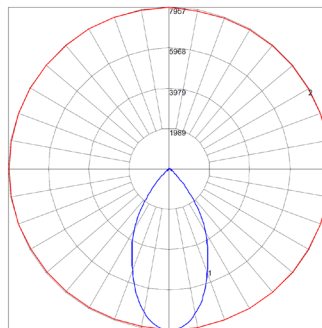
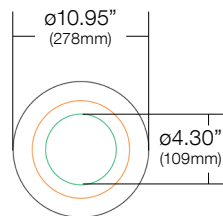
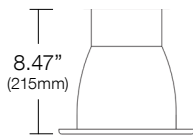
Lumen: 6733  
Input Watts: 80 W  
Efficacy: 84 LPW  
UGR: 11.1

## HELIOS SERIES | 6 / 8 / 10" Performance Downlight

### DIMENSIONS - TRIMS

HL10-DR-WH - 10" Round Deep Regressed Trim, Smooth White

IES: HL-8035 - HL10-DR-WH @ 80W 3500K



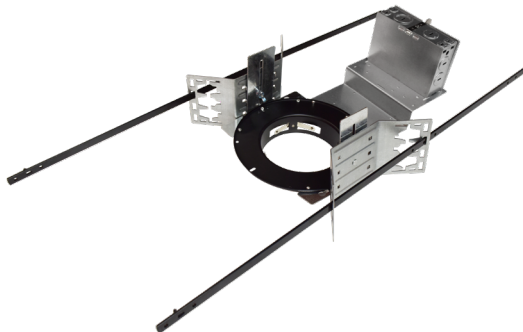
| Zone  | Lumen | Luminaire% |
|-------|-------|------------|
| 0-30  | 4512  | 66.30      |
| 0-40  | 6064  | 89.10      |
| 0-60  | 6750  | 99.10      |
| 0-90  | 6789  | 99.70      |
| 0-180 | 6808  | 100        |

Lumen: 6808  
Input Watts: 80 W  
Efficacy: 85 LPW  
UGR: 7.9

## HELIOS SERIES | 6 / 8 / 10" Performance Downlight

### DIMENSIONS - HOUSING

#### New Construction Housing

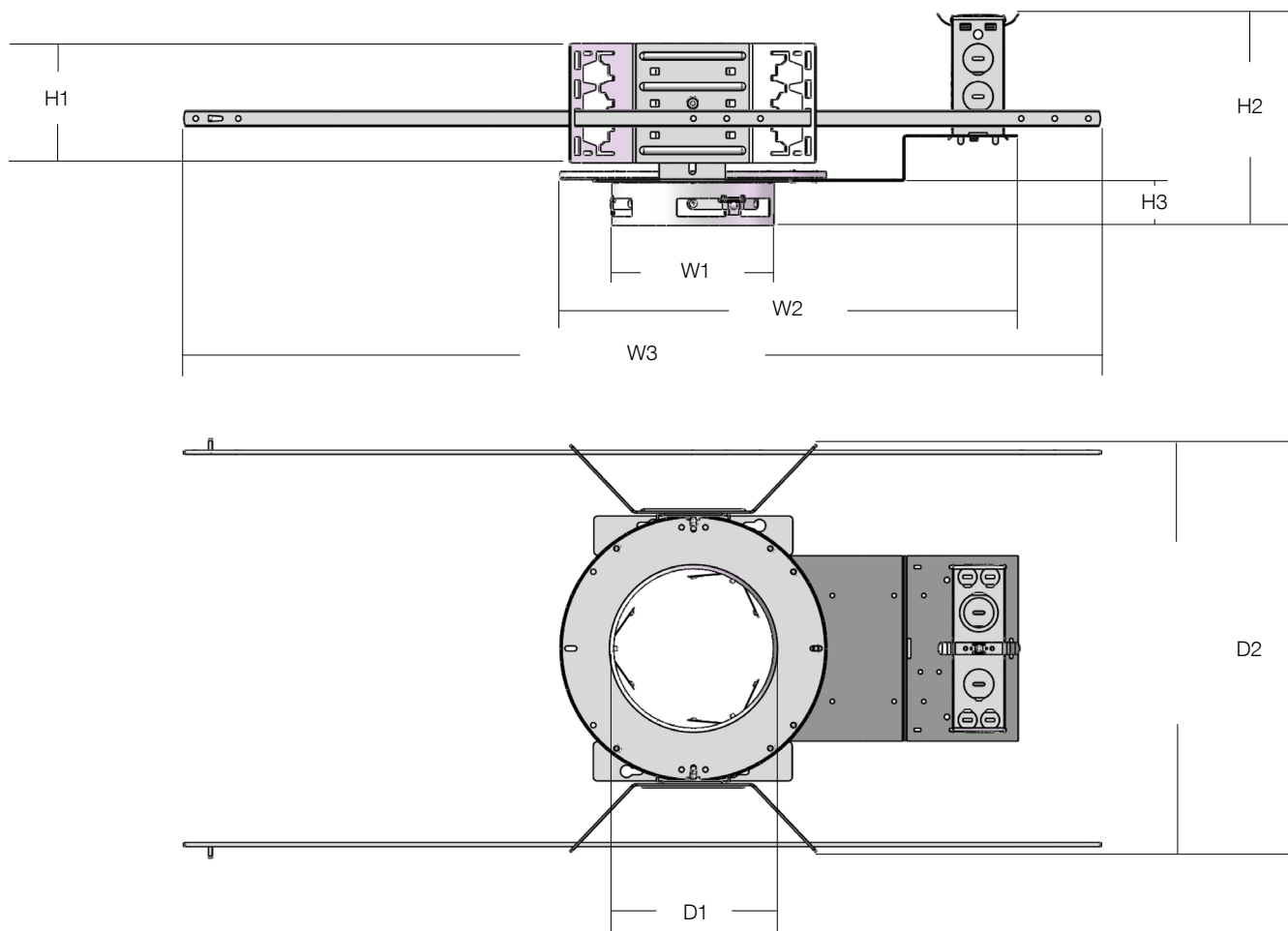


#### HOUSING CUTOUT DIMENSION

| Housing        | Cutout Size                 |
|----------------|-----------------------------|
| 6" - HL6-NCR   | Round 6" min. to 6.7" max.  |
| 8" - HL8-NCR   | Round 7.7" min. to 8.4" max |
| 10" - HL10-NCR | Round 10" min. to 10.7" max |

#### Dimension

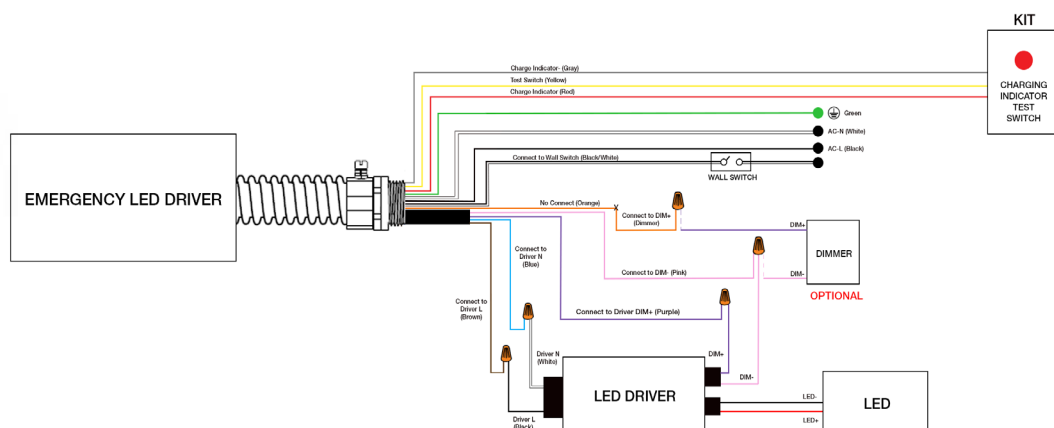
| Housing        | H1    | H2    | H3    | W1      | W2     | W3     | D1      | D2     |
|----------------|-------|-------|-------|---------|--------|--------|---------|--------|
| 6" - HL6-NCR   | 3.55" | 6.29" | 1.37" | ø 6.37" | 13.83" | 27.24" | ø 6.37" | 12.13" |
| 8" - HL8-NCR   | 3.55" | 6.29" | 1.37" | ø 7.72" | 14.85" | 27.24" | ø 7.72" | 13.31" |
| 10" - HL10-NCR | 3.55" | 6.29" | 1.37" | ø 9.54" | 16.12" | 27.24" | ø 9.54" | 15.00" |



## HELIOS SERIES | 6 / 8 / 10" Performance Downlight

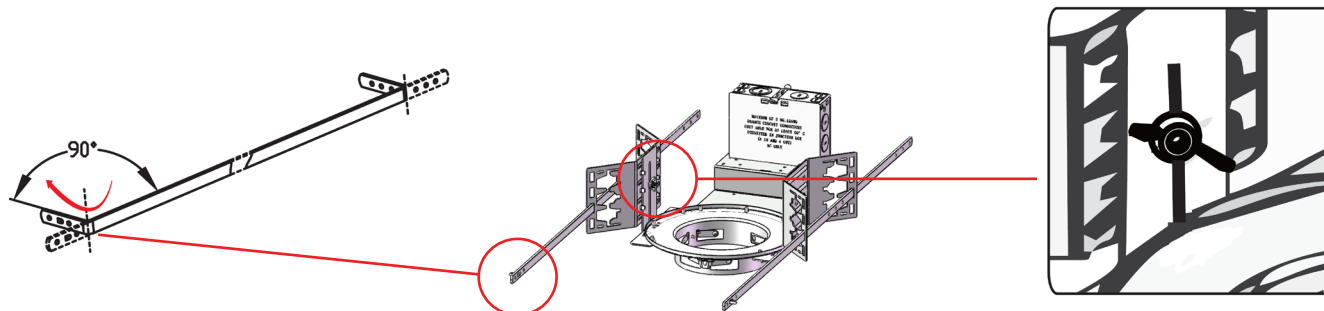
### EMB SPEC

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



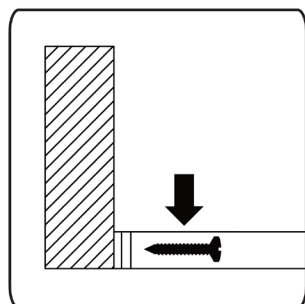
## HELIOS SERIES | 6 / 8 / 10" Performance Downlight

### INSTALLATION

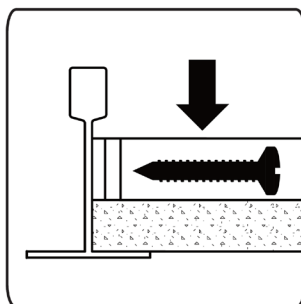


Bend the support brackets (length determined by installer) Secure with Screw (Fig 4 & 5)

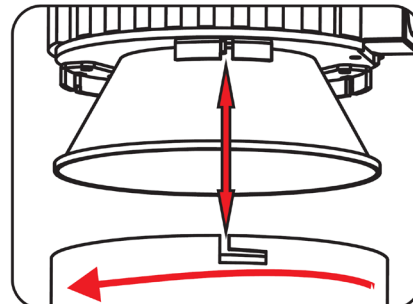
Use wing nut to adjust height of housing frame



Wood



T-Bar



Line up trim and engine, turn clockwise to lock

### HOUSING CUTOUT DIMENSION

| Housing        | Cutout Size                 |
|----------------|-----------------------------|
| 6" - HL6-NCR   | Round 6" min. to 6.7" max.  |
| 8" - HL8-NCR   | Round 7.7" min. to 8.4" max |
| 10" - HL10-NCR | Round 10" min. to 10.7" max |