tempo® theatre

HLS House Lighting System

SURFACE MOUNT, 2-CIRCUIT

24VDC REMOTE POWER SUPPLY

APPLICATION

The House Lighting System (HLS) is a ceiling mounted luminaire designed to illuminate spaces requiring several lighting scenarios, such as theater or auditorium venues. Luminaires may be configured with multiple 12" lighting modules, each with different light distributions and/or intensity. A typical cinema application would include luminaires configured with High Lumen non-dimming modules for theater cleaning and High Uniformity dimmable modules for house lighting, trailer and movie screening.

The HLS Surface Mount is designed for continuous surface or suspension mounting. Also available, a recessed mounting model for T-Bar ceiling grids, (see separate Recessed Mount spec sheet).

HLS centralizes control and servicing by utilizing a low voltage 24VDC, remotely powered system.

CONSTRUCTION

- Extruded aluminum channel
- Thermally optimized die-cast aluminum light module housings
- Plug and play connectors for simplified installation
- CSA damp location listed

OPTICS / LENS / DIFFUSER

- High Lumen Cleaning Light modules (C) consist of a 12" module with a lightly frosted dome lens for wide beam spreads.
- High Uniformity House Light modules (H) consist of a 12" modules with a dome lens and high diffusion film over a high density array of LEDs.
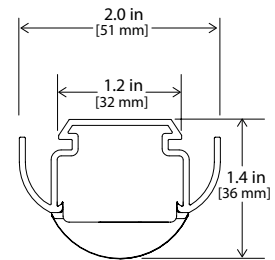
POWER SYSTEM

- Utilizes remote, low voltage 24VDC power supply, 120V
- Dual circuit design, with all Cleaning Light (C) modules on one non-dimming circuit and House Light (H) on second circuit for Triac or ELV dimming.

PERFORMANCE

- Light output varies by configuration, see performance summary
- Fully dimmable House Light modules allow for different scenes such as Trailer screening, Movie screening and Intermissions.
- Operating temperature range of -20°C to 50°C

LIGHT CHARACTERISTICS

- Available in 2200K, 2700K, 3000K, 3500K, 4000K correlated color temperature. A different color temperature may be selected for Cleaning Light modules (C) & House Light modules (H).
- Typical CRI of 80+
- LED's are selected and placed on the printed circuit boards via Tempo Industries' UniBin® process which ensures consistent hue and color within the entire installation. Color variations are held to a minimum, within a 2-step MacAdam ellipse.

2.0 in [51 mm]

1.2 in [32 mm]

1.4 in [36 mm]

Buy Tempo
Buy American
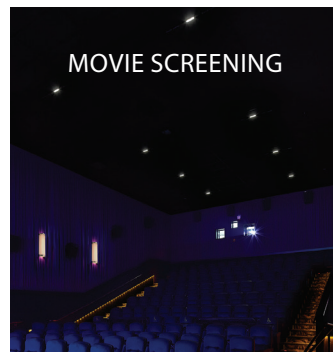
MADE IN USA
OF US AND IMPORTED COMPONENTS

WARRANTY
Tempo provides a 2-year limited warranty.
A 5-year limited warranty will apply when installed by a Tempo Certified Installer.

86,000 HOURS
L85 LUMEN MAINTENANCE
LED Luminaires will reach 85% of initial lumen output at or beyond 86,000 hours at 25°C.

TRAILER / INTERMISSION

MOVIE SCREENING

CLEANING

tempo®theatre

HLS House Lighting System

SURFACE MOUNT, 2-CIRCUIT

24VDC REMOTE POWER SUPPLY

PERFORMANCE SUMMARY All data nominal

| Module Configuration		Watts/Module	Delivered Lumens
C1 Cleaning Light Circuit	**Cleaning Light**, 12" module, wide beam optics, (3500K test data shown)	12 W	1200 lm
H1 House Light Circuit	**House Light**, 12" module, high uniformity dome lens, (2700K test data shown)	10 W	850 lm

ORDERING INFORMATION

Example: HLS-24-S-6-C135-H130-C135-BK

HLS-24	S	6	LIGHT MODULE CONFIGURATION						
Series	Mounting	Fixture Length	Module #1	Color Temp	Module #2	Color Temp	Module #3	Color Temp	Finish
House Lighting System 24VDC	**S** Surface Mount	**6** 6 ft	**C1** Cleaning Light (Circuit 1) **H1** House Light (Circuit 2)	**22** 2200K **27** 2700K **30** 3000K **35** 3500K **40** 4000K	**C1** Cleaning Light (Circuit 1) **H1** House Light (Circuit 2)	**22** 2200K **27** 2700K **30** 3000K **35** 3500K **40** 4000K	**C1** Cleaning Light (Circuit 1) **H1** House Light (Circuit 2)	**22** 2200K **27** 2700K **30** 3000K **35** 3500K **40** 4000K	**BK** Black **WH** White
			For No Module, Leave Blank		For No Module, Leave Blank		For No Module, Leave Blank		

SAMPLE CONFIGURATIONS

HLS-24-S-6-C140-H130-C140-BK

HLS 24VDC Surface Mount 6 ft, C135 Cleaning Light, 3500K;   H130 House Light, 3000K;   C135 Cleaning Light, 3500K, Black

C135		H130		C135
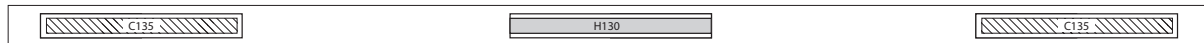
HLS-24-S-6-C135-C135-WH

HLS 24VDC Surface Mount 6 ft, C135 Cleaning Light, 3500K;   No Center Module;   C135 Cleaning Light, 3500K, White

C135				C135

tempo®theatre

HLS House Lighting System
SURFACE MOUNT, 2-CIRCUIT
24VDC REMOTE POWER SUPPLY

SYSTEM INTEGRATION ACCESSORIES

| 24" POWER ENCLOSURE WITH LED DRIVERS	
PWR-ENC - 24/X - 24T/Y -24	X = Quantity of 100W, 24VDC (120V input) Non-Dimming Drivers for Cleaning Light modules (C) Y = Quantity of 100W 24VDC (120V input) Triac & ELV Dimming Drivers for House Light modules (H) *Maximum of 2 Drivers In One 24" x 4" x 4" Power Enclosure*
48" POWER ENCLOSURE WITH LED DRIVERS	
PWR-ENC - 24/X - 24T/Y -48	X = Quantity of 100W, 24VDC (120V input) Non-Dimming Drivers for Cleaning Light modules (C) Y = Quantity of 100W 24VDC (120V input) Triac & ELV Dimming Drivers for House Light modules (H) *Maximum of 4 Drivers In One 48" x 4" x 4" Power Enclosure*
TriDim DIMMING & POWER ENCLOSURE Dim linear LED with legacy Incandescent Triac dimmers not directly compatible with LED systems	
PWR-TDIM-100-24	Tri-Dim Triac dimming adapter, 120V input, 100W 24VDC driver output - (see TriDim spec sheet)
PWR-TDIM-200-24	Tri-Dim Triac dimming adapter, 120V input, 2 x 100W 24VDC driver outputs - (see TriDim spec sheet)
WIREWAY	
HLS2-S-6-WIREWAY-BK	HLS Surface Wireway, 2-Circuit, pre-wired, includes plug and play connectors, 6ft.
MOUNTING HARDWARE	
HLS4-S-SPLICEBOX-M[1]	HLS Surface Splice Box, 4-Circuit[1], pre-wired with quick connect connectors, male end feed
HLS4-S-SPLICEBOX-F[1]	HLS Surface Splice Box, 4-Circuit[1], pre-wired with quick connect connectors, female end feed
HLS4-S-PB-BK[2]	HLS Surface Power Box, 4-Circuit[2], pre-wired with plug and play connector, includes cover plate
HLS-S-JBOX	HLS Surface J-Box for mounting on continuous T-grid spine. Standard 2-gang j-box (by others) may be used when the power box is located within a tile
HLS-S-MTGCLIP	HLS Surface Mount T-Bar Clips (QTY 12). Minimum of 2 clips every 6ft section (luminaire or wireway).
HLS-S-MTGCLIP-EDGE	HLS Surface Mount T-Bar Edge Clips (QTY 12).
HLS-S-MTGCLIP-SEISMIC	HLS Surface Mount T-Bar Clips (QTY 12) with Seismic Bracing Hanger.
2-CIRCUIT POWER FEED CABLE	
WIR-16-2BLU/2RED-PR	Plenum rated cable, 16 gauge, 4 wires: 2 Blue / 2 Red, 300ft per reel
SURGE SUPPRESSION DEVICE Tempo furnished surge suppression device must be installed on each supplying branch circuit to comply with warranty terms.	
SSD-120	120V Branch Circuit
SSD-277	277V Branch Circuit
POWER INVERTERS Tempo's power inverters supply battery power backup to designated emergency lighting power supplies.	
PWR-INV-110-120	Power Inverter, 110W, 120V Input/Output
PWR-INV-225-120	Power Inverter, 225W, 120V Input/Output
PWR-INV-350-120277	Power Inverter, 350W, UNV Input/120V or 277V Output

NOTES:

1) Splice Boxes (HLS4-S-SPLICEBOX-M and HLS4-S-SPLICEBOX-F) are pre-wired for 4-circuit.
For 2-circuit fixtures, make the 2 connections accordingly and leave the 2 remaining connectors as dead ends.

2) Power Box (HLS4-S-PB-BK) is pre-wired for 4-circuit.
For 2-circuit fixtures, make the 2 connections accordingly and leave the 2 remaining connectors as dead ends.

14811 Myford Road   •   Tustin, CA 92780   •   (949) 442-1601   •   tempollc.com

tempo®theatre

HLS House Lighting System

SURFACE MOUNT, 2-CIRCUIT
24VDC REMOTE POWER SUPPLY

DIMENSIONAL INFORMATION - SURFACE MOUNTED

14811 Myford Road • Tustin, CA 92780 • (949) 442-1601 • tempollc.com
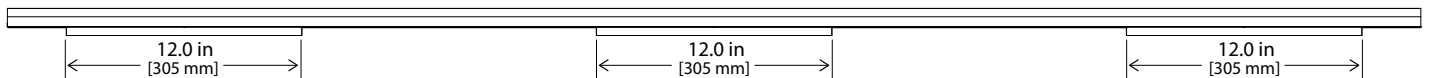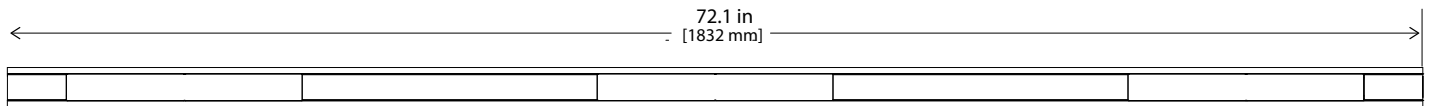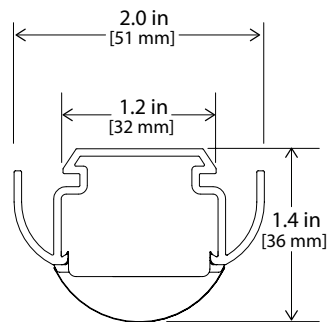
DIMENSIONAL INFORMATION - MOUNTING HARDWARE

SPLICE BOX SYSTEM

HLS4-S-SPLICEBOX-M/F

2.0 in
[51 mm]

1.0 in
[25 mm]

4.0 in
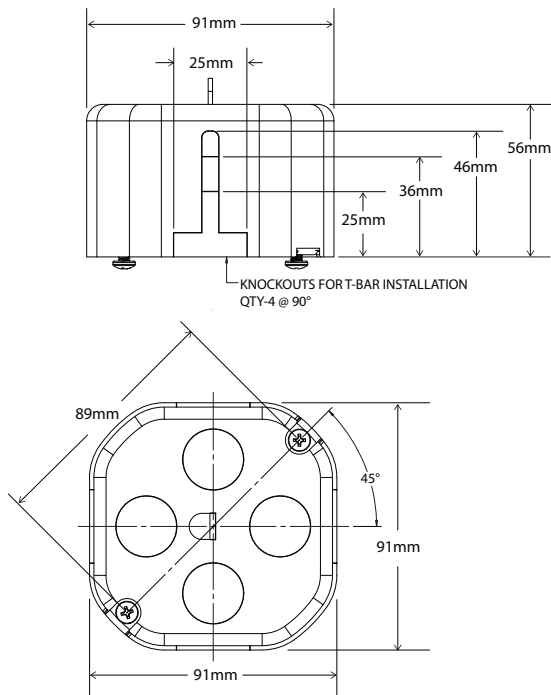[102 mm]

0.2 in
[5 mm]

0.9 in
[23 mm]

2.0 in
[51 mm]
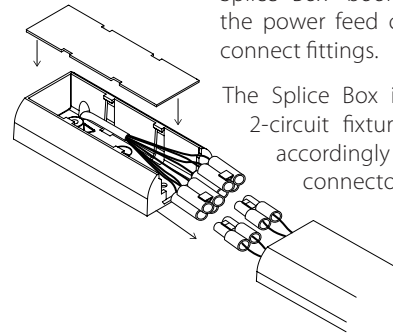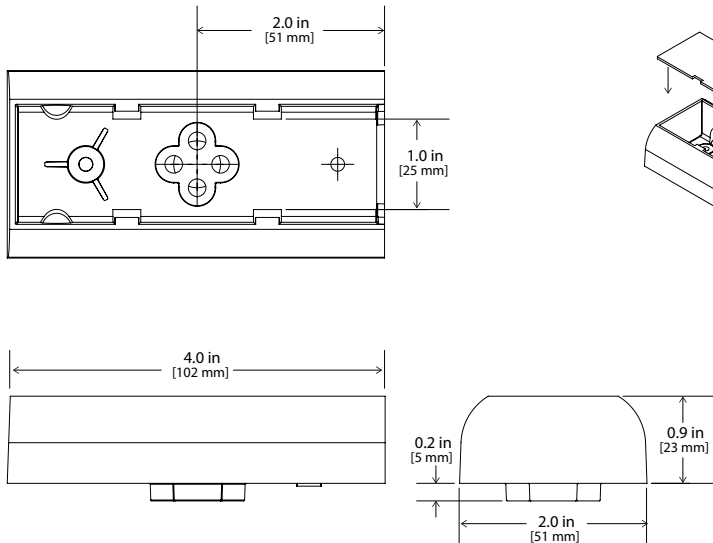
Splice Box "book ends" the HLS fixture with the power feed connections made with quick connect fittings.
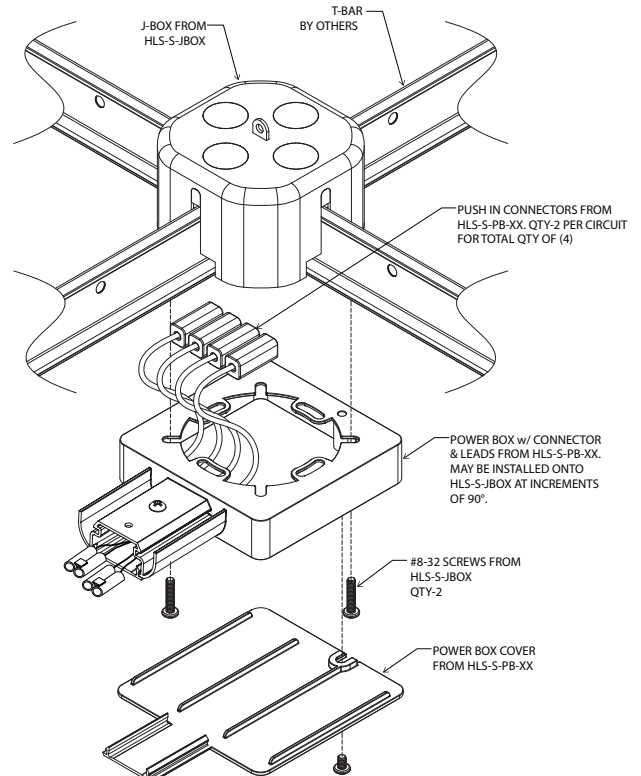
The Splice Box is pre-wired for 4-circuit. For 2-circuit fixtures, make the 2 connections accordingly and leave the 2 remaining connectors as dead ends.
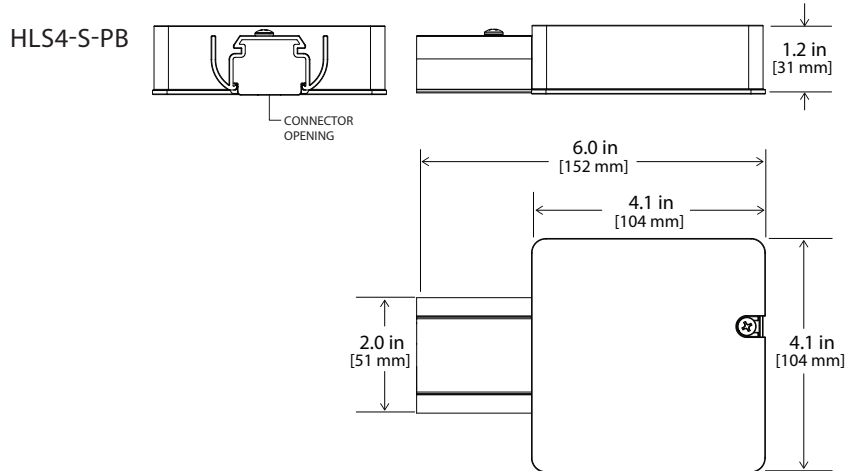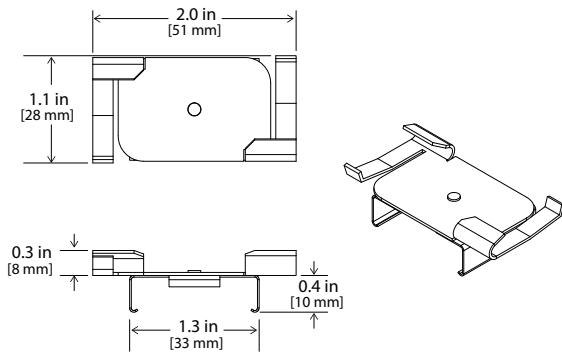
J-BOX SYSTEM

HLS-S-JBOX

91mm

25mm

56mm

46mm

36mm

25mm

KNOCKOUTS FOR T-BAR INSTALLATION
QTY-4 @ 90°

89mm

45°

91mm

91mm

HLS4-S-PB & HLS-S-JBOX ASSEMBLY

T-BAR
BY OTHERS

J-BOX FROM
HLS-S-JBOX

PUSH IN CONNECTORS FROM
HLS-S-PB-XX. QTY-2 PER CIRCUIT
FOR TOTAL QTY OF (4)

POWER BOX w/ CONNECTOR
& LEADS FROM HLS-S-PB-XX.
MAY BE INSTALLED ONTO
HLS-S-JBOX AT INCREMENTS
OF 90°.

#8-32 SCREWS FROM
HLS-S-JBOX
QTY-2

POWER BOX COVER
FROM HLS-S-PB-XX

tempo®theatre

DIMENSIONAL INFORMATION - MOUNTING HARDWARE

HLS4-S-PB

CONNECTOR OPENING

1.2 in [31 mm]

6.0 in [152 mm]

4.1 in [104 mm]

2.0 in [51 mm]

4.1 in [104 mm]

HLS-S-MTGCLIP

2.0 in [51 mm]

1.1 in [28 mm]

0.3 in [8 mm]

0.4 in [10 mm]

1.3 in [33 mm]

HLS-S-MTGCLIP-SEISMIC

2.3 in [58 mm]

1.1 in [28 mm]

2.0 in [51 mm]

0.4 in [10 mm]

1.3 in [33 mm]

HLS-S-MTGCLIP-EDGE

1.1 in [25 mm]

1.3 in [33 mm]

0.5 in [13 mm]

0.9 in [23 mm]

2.5 in [64 mm]

1.0 in [25 mm]

0.3 in [8 mm]

0.3 in [8 mm]

1.3 in [33 mm]

Tempo products and technologies are protected under one or more US and International patents.

Tempo reserves the right to change materials or modify the design of its product without notification as part of the company's continuing product improvement program. Please consult **www.tempollc.com** for the most up-to-date specifications and technical data.