tempo® theatre

HLS House Lighting System
(metric)
SURFACE MOUNT, 4-CIRCUIT
REMOTE POWER SUPPLY

APPLICATION

The House Lighting System (HLS) is designed to illuminate spaces requiring several lighting scenarios, such as theater or auditorium venues. Based on the Tempo CLiP® (Configurable Lighting Platform), luminaires may be configured with multiple 300mm lighting modules, each with different light distributions and/or intensity. Modules may be controlled with separate circuits and dimming controls to further tailor scenes. A typical cinema application would include luminaires configured with High Lumen modules for theater cleaning and High Uniformity dimming modules for house lighting, trailer and movie screening.

The HLS is available in two different platforms, one designed for continuous surface or suspension mounting and the other for recessed mounting in a T-Bar ceiling grid (see separate spec sheet). HLS Surface Mount is available in 2 circuit configurations for small to medium auditoriums (see separate spec sheet) and 4 circuit for large auditoriums. The low voltage, remotely powered system centralizes control and servicing.

51 mm · **32 mm** · **36 mm**

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 (C1 & C2) consist of a 300mm module. A lightly frosted dome lens, coupled with wide beam optics direct a LED array.
- High Uniformity House Light modules (H1 & H2) consist of a 300mm module with a dome lens and high diffusion film over a high density array of LEDs.

POWER SYSTEM

- Utilizes remote, low voltage DC power supply - 220V, 230V, 240V
- A 4-circuit configuration allows longer runs, providing circuit 3 and 4 through-wire in the first sections of a run. High lumen (C1 and C3) cleaning lights are designated circuit 1 and 3 and High Uniformity House Lights (H1 and H2) are designated circuits 2 and 4.

PERFORMANCE

- Light output varies by configuration, see performance summary
- Lumen maintenance is greater than 85% at 86,000 hours for all product configurations (L85 at 86,000 hours)

LIGHT CHARACTERISTICS

- Available in 2200K, 2700K, 3000K, 3500K, 4000K correlated color temperature. A different color temperature may be selected for High Lumen Cleaning Light modules (C1 & C2) and High Uniformity House Light modules (H1 & H2).
- 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.
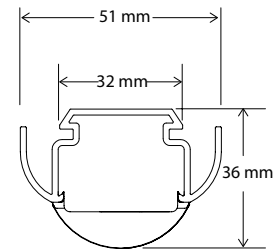
WARRANTY

Tempo provides a 5-year limited warranty. A 10-year limited warranty will apply when installed by a Tempo Certified Installer.

UniBin®

MADE IN USA
OF US AND IMPORTED COMPONENTS

CSA C US

PERFORMANCE SUMMARY All data nominal

Module Configuration		Watts/Module	Delivered Lumens
C1 Cleaning Light Circuit 1 or **C2** Cleaning Light Circuit 3	**Cleaning Light**, 300mm module, wide beam optics, LED array (3500K test data shown)	12 W	1200 lm
H1 House Light Circuit 2 or **H2** House Light Circuit 4	**House Light**, 300mm module, high uniformity dome lens, dense LED array (2700K test data shown)	10 W	850 lm

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ORDERING INFORMATION

Example: HLS4-S-1800-C135-H130-C135-BK

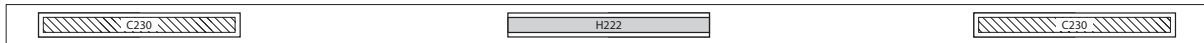| HLS4	-	S	-	1800	-				-				-				-	
						LIGHT MODULE CONFIGURATION*												
Series		Mounting		Fixture Length		Module #1		Color Temp		Module #2		Color Temp		Module #3		Color Temp		Finish
House Lighting System 4 Circuit		S Surface Mount T-Bar		1800 1800 mm		**C1** Cleaning Light (Circuit 1) **H1** House Light (Circuit 2) **C2** Cleaning Light (Circuit 3) **H2** House Light (Circuit 4)		**22** 2200K **27** 2700K **30** 3000K **35** 3500K **40** 4000K		**C1** Cleaning Light (Circuit 1) **H1** House Light (Circuit 2) **C2** Cleaning Light (Circuit 3) **H2** House Light (Circuit 4)		**22** 2200K **27** 2700K **30** 3000K **35** 3500K **40** 4000K		**C1** Cleaning Light (Circuit 1) **H1** House Light (Circuit 2) **C2** Cleaning Light (Circuit 3) **H2** House Light (Circuit 4)		**22** 2200K **27** 2700K **30** 3000K **35** 3500K **40** 4000K		**WH** White **BK** Black
						For No Module, Leave Blank				For No Module, Leave Blank				For No Module, Leave Blank				

* C1 = Cleaning Light Circuit #1- High Lumen 300mm Module, Wide Beam, Standard LED Array
  H1 = House Light Circuit #2- High Uniformity 300mm Module, Dense LED Array

  C2 = Cleaning Light Circuit #3- High Lumen 300mm Module, Wide Beam, Standard LED Array
  H2 = House Light Circuit #4- High Uniformity 300mm Module, Dense LED Array

SAMPLE CONFIGURATIONS

C135	H130	C135

HLS4-S-1800-C135-H130-C135-BK

HLS 4 -Circuit Surface Mount 1800mm, C135 Cleaning (CIR 1), 300mm module, 3500K; H130 House (CIR 2), 300mm module, 3000K; C135 Cleaning (CIR 1), 300mm module, 3500K, Black

C230	H222	C230

HLS4-S-1800-C230-H222-C230-BK

HLS 4 -Circuit Surface Mount 1800mm, C230 (CIR 3), 300mm module, 3000K; H222 (CIR 4), 300mm module, 2200K; C230 (CIR 3), 300mm module, 3000K, Black

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HLS House Lighting System
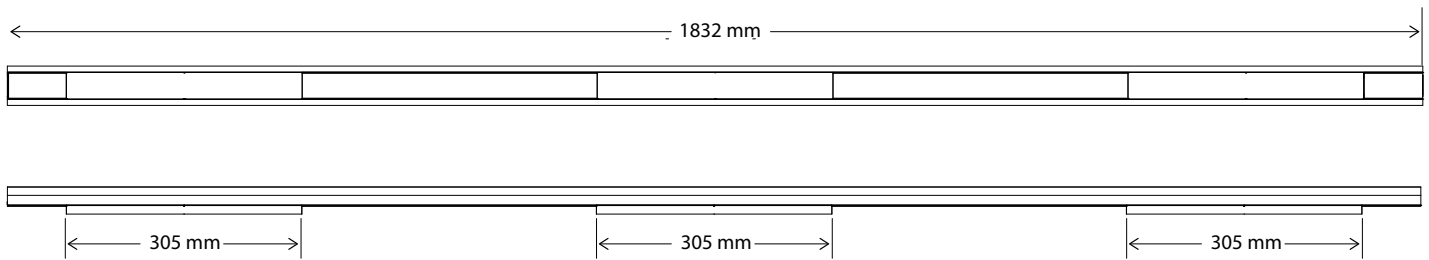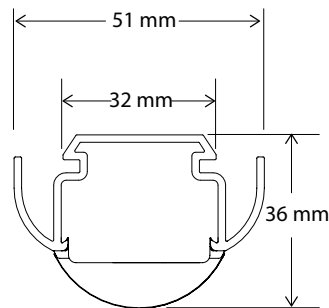## (metric)
SURFACE MOUNT, 4-CIRCUIT
REMOTE POWER SUPPLY

SYSTEM INTEGRATION ACCESSORIES

POWER ENCLOSURE Power Supplies (maximum of 5) in 1200mmx100mmx100mm Enclosure		
	PWR-ENC-24/X-24D/Y-48	X = Quantity of 100W (24V, 120V input) Non-Dimming Power Supplies for Cleaning Light modules (A&C)
		Y = Quantity of 100W (24V, 120V input) Dimming Power Supplies for House Light modules (B&D) Lutron Hi-lume 1% 2-wire LED driver (120V foward phase) - LTEA2W

WIREWAY		
	HLS4-S-6-WIREWAY-BK	HLS Surface Wireway, 2-Circuit, pre-wired, includes plug and play connectors, 1800mm.

MOUNTING HARDWARE		
	HLS4-S-SPLICEBOX-M	HLS Surface Splice Box, 4-Circuit, pre-wired with quick connect connectors, male end feed
	HLS4-S-SPLICEBOX-F	HLS Surface Splice Box, 4-Circuit, pre-wired with quick connect connectors, female end feed
	HLS4-S-PB-BK	HLS Surface Power Box, 4-Circuit, pre-wired with plug and play connector, includes cover plate, black
	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
	HLS4-S-HUB	HLS Surface Power Hub, 4-Circuit, 4 connectors (2 Male, 2 female), includes cover plate, black finish
	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.

POWER FEED CABLE		
	HLS4-CABLE	Plenum rated cable, 16 gauge, 8 wires– 2 Blue / 2 Red / 2 Gray / 2 Purple, 200ft per reel
	HLS4-S-PFC4-F24/36-180	Power Feed Cable with connector for HLS4-S Surface 4-Circuit (used in lieu of HLS4-S-PB Power Box), 4500mm
	HLS4-S-PFC4-F24/36-360	Power Feed Cable with connector for HLS4-S Surface 4-Circuit (used in lieu of HLS4-S-PB Power Box), 9000mm

SURGE SUPPRESSION DEVICE Tempo furnished surge suppression device must be installed on each branch circuit to comply with warranty terms.		
	SSD-240	240V Branch Circuit

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DIMENSIONAL INFORMATION - SURFACE MOUNTED

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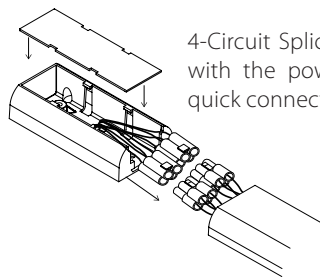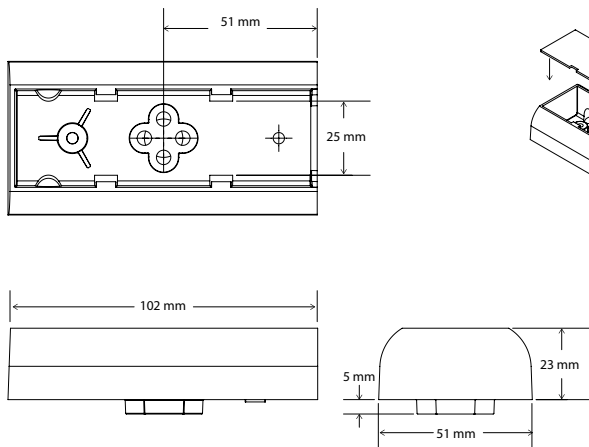
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DIMENSIONAL INFORMATION - MOUNTING HARDWARE
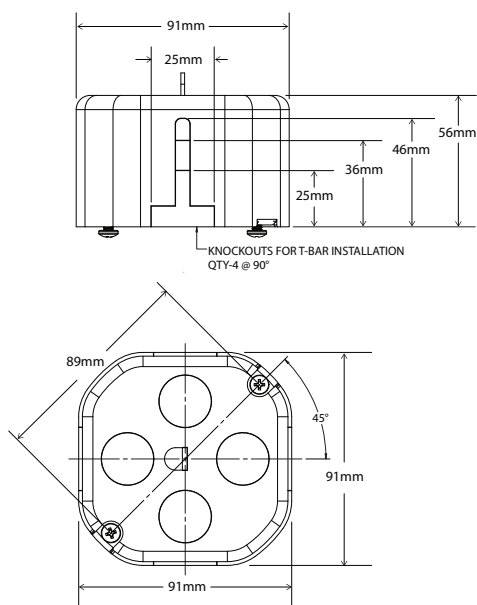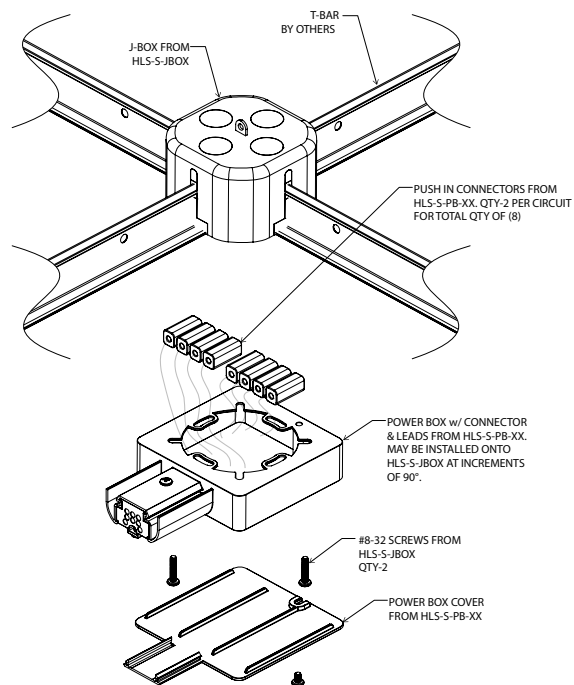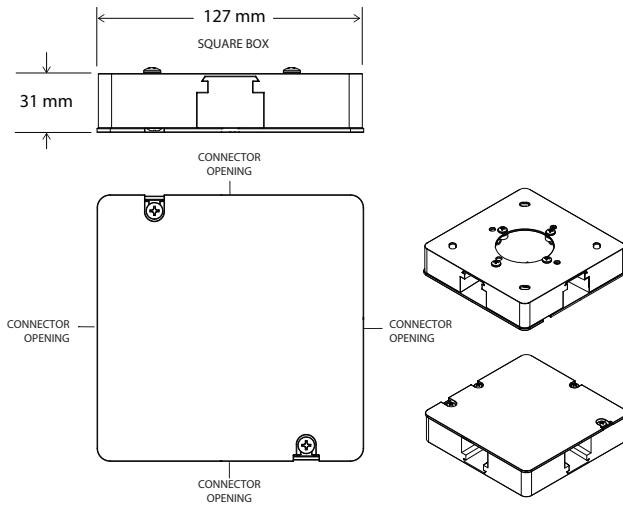
4-CIRCUIT SPLICE BOX SYSTEM

HLS4-S-SPLICEBOX-M/F

51 mm

25 mm

102 mm

5 mm

23 mm

51 mm

4-Circuit Splice Box "book ends" the HLS fixture with the power feed connections made with quick connect fittings.

4-CIRCUIT 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 (8)

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

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DIMENSIONAL INFORMATION - MOUNTING HARDWARE

4-CIRCUIT SYSTEM

HLS4-S-HUB
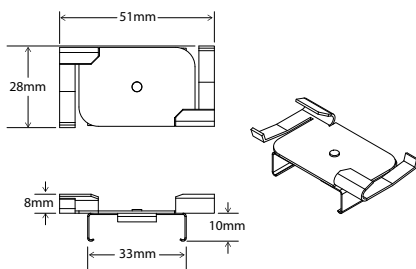
127 mm

SQUARE BOX
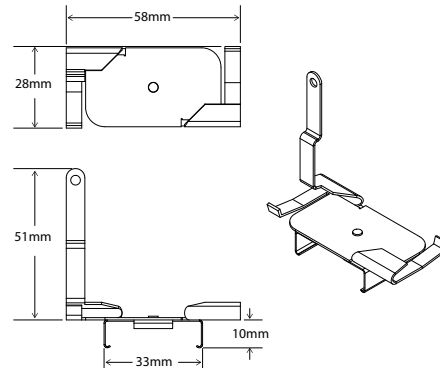
31 mm

CONNECTOR OPENING

CONNECTOR OPENING

CONNECTOR OPENING

CONNECTOR OPENING

HLS4-S-PB

31 mm

CONNECTOR OPENING

152 mm

104 mm

51 mm

104 mm
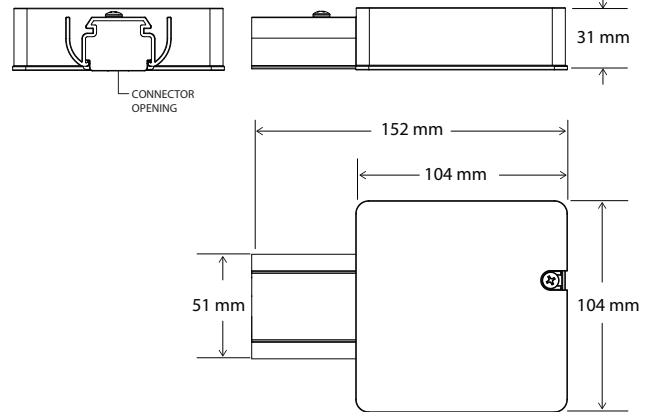
MOUNTING HARDWARE

HLS-S-MTGCLIP

51mm

28mm

8mm

10mm

33mm

HLS-S-MTGCLIP-SEISMIC

58mm

28mm

51mm

10mm

33mm

HLS-S-MTGCLIP-EDGE

25mm

33mm

13mm

23mm

64mm

25mm

8mm

8mn

33mm
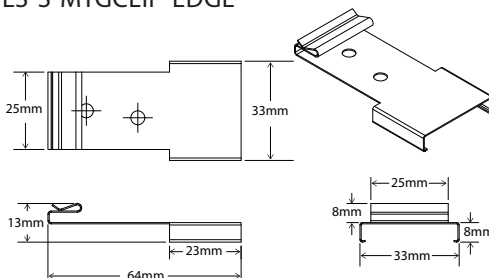
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