

HLS House Lighting System (metric)

T-BAR RECESSED MOUNT
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 150mm and 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 recessed mounting in a T-Bar ceiling grid and the other for continuous surface or suspension mounting (see separate surface mount spec sheets). The low voltage, remotely powered system centralizes control and servicing.

CONSTRUCTION

- Extruded aluminum channel
- Die-cast aluminum wiring splice box
- Thermally optimized die-cast aluminum light module housings
- Push wire connectors for simplified installation
- CSA damp location listed
- IC rated

OPTICS / LENS / DIFFUSER

- High Lumen Cleaning Light modules (A) consist of a 300mm module. A lightly frosted dome lens, coupled with wide beam optics direct a LED array.
- High Uniformity House Light modules (B) consist of a pair of 150mm modules or a single 150mm module with a dome lens and high diffusion film over a high density array of LEDs.

POWER SYSTEM

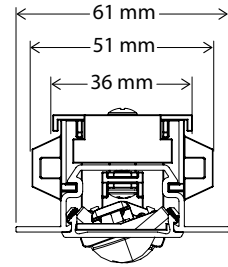
- Utilizes remote, low voltage DC power supply
- When a combination of High Lumen Cleaning Light and High Uniformity House Light modules are specified, the standard wiring configuration is dual circuit, with all High Lumen (A) modules on one circuit and High Uniformity (B) on the second circuit.

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 (A) and High Uniformity House Light modules (B).
- 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.



PERFORMANCE SUMMARY All data nominal

Module Configuration		Watts/Module	Delivered Lumens
A1 Circuit A or C1 Circuit C	Cleaning Light , 300mm module, wide beam optics, LED array (3500K test data shown)	12 W	700 lm
B3 Circuit B or D3 Circuit D	House Light , 150mm pair (300mm total), high uniformity dome lens, dense LED array (2700K test data shown)	10 W	720 lm
B4 Circuit B or D4 Circuit D	House Light , 150mm single module, high uniformity dome lens, dense LED array (2700K test data shown)	5 W	360 lm

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ORDERING INFORMATION

Example: **Example: HLS-R-1200-A135-B330-A135-BK**

HLS Recessed, 1200mm, A135 [High Lumen Cleaning Light, 150mm pair (300mm total), 3500K], B330 [High Uniformity House Light, 150mm pair (300mm total), 3000K], A135 [High Lumen Cleaning Light, 160mm pair (300mm total), 3500K], Black

HLS											
PLATFORM			LIGHT MODULE CONFIGURATION ³								
Series	Mounting	Fixture Length		Light Module Lens/LED Array				Color Temp		Finish	
HLS	R Recessed T-Bar	600	600mm ¹	A1	Circuit 1 Option - High Lumen Cleaning Light, 300mm module, wide beam optics, standard LED array				22	2200K	WH White BK Black
		1200	1200mm ²	B3	Circuit 2 Option - High Uniformity House Light, 150mm pair (300mm total), high uniformity dome lens, dense LED array				27	2700K	
									30	3000K	
				B4	Circuit 2 Option - High Uniformity House Light, 150mm single module, high uniformity dome lens, dense LED array				35	3500K	
									40	4000K	

NOTES:

- (1) A 600mm luminaire may consist of a combination of light modules totaling 450mm maximum.
- (2) A 1200mm luminaire may consist of a combination of light modules totaling 1050mm maximum.
- (3) When a combination of modules are specified, the standard wiring configuration is dual circuit, with all Cleaning Lights (A) on one circuit and House Lights (B) on the second circuit.

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) Non-Dimming Power Supplies for Cleaning Light modules (A) Y = Quantity of 100W (24V) Dimming Power Supplies for House Light modules (B) Lutron Hi-lume 1% 2-wire LED driver (120V forward phase) - LTEA2W
POWER FEED CABLE		
	WIR-16-2BLU/2RED-PR	Plenum rated cable, 16 gauge, 4 wires– 2 Blue / 2 Red, 91m per reel
SURGE SUPPRESSION DEVICE A Tempo furnished surge suppression device must be installed on each supplying branch circuit to comply with Tempo's 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-125-120	Power Inverter, 125W, 120V Input/Output
	PWR-INV-250-120	Power Inverter, 250W, 120V Input/Output
	PWR-INV-375-120277	Power Inverter, 375W, 120V/120V or 277V/277V Input/Output

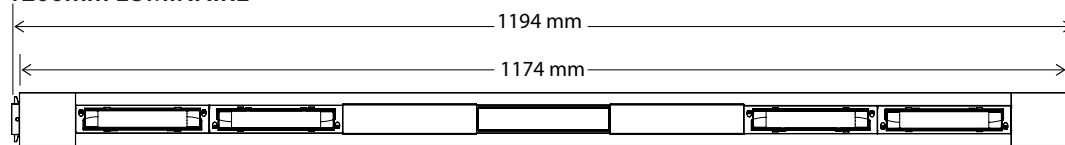
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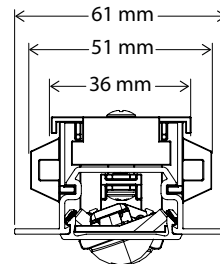
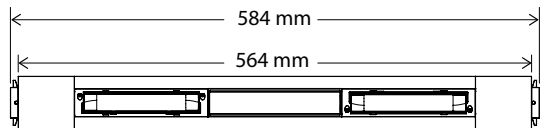
REMOTE POWER SUPPLY

DIMENSIONAL INFORMATION - RECESSED MOUNTED

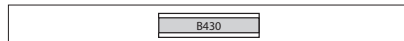
1200mm LUMINAIRE



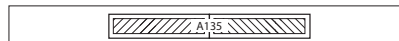
600mm LUMINAIRE



SAMPLE CONFIGURATIONS



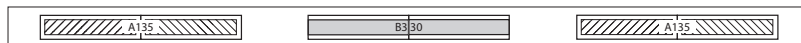
HLS-R-2-B430-BK
HLS Recessed, 600mm, B430 [High Uniformity **House Light**, 150mm single, 3000K], Black



HLS-R-2-A135-BK
HLS Recessed, 600mm A135 [High Lumen **Cleaning Light**, 300mm, 3500K], Black



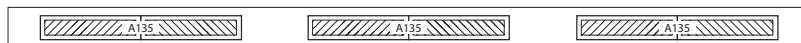
HLS-R-4-A135-B430-A135-BK
HLS Recessed, 1200mm, A135 [High Lumen **Cleaning Light**, 300mm, 3500K], B430 [High Uniformity **House Light**, 150mm single, 3000K], A135 [High Lumen **Cleaning Light**, 300mm, 3500K] Black



HLS-R-4-A135-B330-A135-BK
HLS Recessed, 1200mm, A135 [High Lumen **Cleaning Light**, 300mm, 3500K], B330 [High Uniformity **House Light**, 150mm pair (300mm total), 3000K], A135 [High Lumen **Cleaning Light**, 300mm, 3500K], Black



HLS-R-4-A135-A135-BK
HLS Recessed, 1200mm, A135 [High Lumen **Cleaning Light**, 300mm, 3500K], A135 [High Lumen **Cleaning Light**, 300mm, 3500K], Black



HLS-R-4-A135-A135-A135-BK
HLS Recessed, 1200mm, A135 [High Lumen **Cleaning Light**, 300mm, 3500K], A135 [High Lumen **Cleaning Light**, 300mm, 3500K], A135 [High Lumen **Cleaning Light**, 300mm, 3500K], Black

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