TSLC
THE SMART LIGHTING COMPANY

Date: .....
Type: .....
Project: .....
Firm: .....

HB40SB

EXTERIOR OR INTERIOR LINEAR

POWERFUL | COMPACT | LOW PROFILE
7.0w/ft | 700lm/ft

Wall Wash | Ceiling Wash | Sign Lighting

Designed for indirect or direct illumination — high-performance lighting in a compact form able to support run lengths of up to 150 feet and illumination heights over 15 feet. These linear fixtures come in a durable black powder coated finish and are ingeniously designed to for individual or seamless row mounting, providing uniform, high-quality light courtesy of Nichia bin-sorted LEDs.

The series boasts an extensive range of customizable features, from length to color temperature and optical lenses, all available in various mounting options and finishes. An integrated universal power supply, coupled with full thermal management and a plug and play cable system, ensures installation is straightforward and efficient. Ideal for precise grazing and impactful wall-washing in an up or down direction, this series adapts to your lighting needs without compromise.

DIMMABLE | IP66 | LM 80 TESTED LEDS | CSA | c UL us LISTED | NICHIA

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technology by LEDpower™ TSLC THE SMART LIGHTING COMPANY

HB40SB EXTERIOR LINEAR LED LIGHTBAR

SPECIFICATIONS

TSLC
THE SMART LIGHTING COMPANY

PERFORMANCE

Output
7.0w/ft | 700lm/ft

Color Temperatures
22k, 27k, 30k, 35k, 41k, 50k, 65k, R, G, B, A

Beam Angles
15°, 30°, 45°, 120°, 30°x60°

LEDs per Foot
14

LED's
Nichia bin-sorted

Color Consistency
2 SCDM

CRI
85 std, 95 optional

ELECTRICAL

Input Voltage
100-277vac

Power Supply
Integral

Control
0-10v dimming

Heat dissipation
Full thermal management system

Connection
Quick connect plug and play system

Projected Lumen Maintenance
>90,000 hours

PHYSICAL

Fixture Length Options
12", 24", 36", 48"

Max Run Length
7w - 150ft@277vac, 65ft@120vac

Housing
Anodized extruded aluminum, tooled end caps

Lens
Polycarbonate

Fixture Finish (Standard)
Black powder coated

Powder Coated Finish (Optional)
Bronze, White, CU

Standard Mounting
Individual or Row mount

Operating Temperature
-40°F to 122°F, (-40°C to 50°C)

ENVIRONMENT AND WARRANTY

IP Rating
IP66

Environment
Dry, Damp or Wet locations
0-100% non condensing humidity

Certifications
UL, cUL

Warranty
5 year limited warranty

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SPECIFICATIONS

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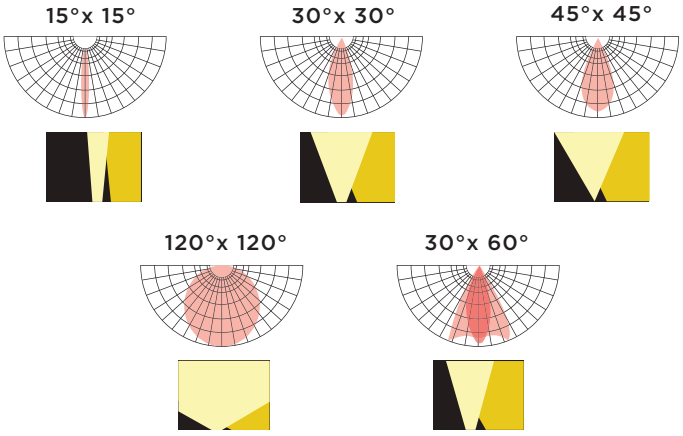
OPTICS

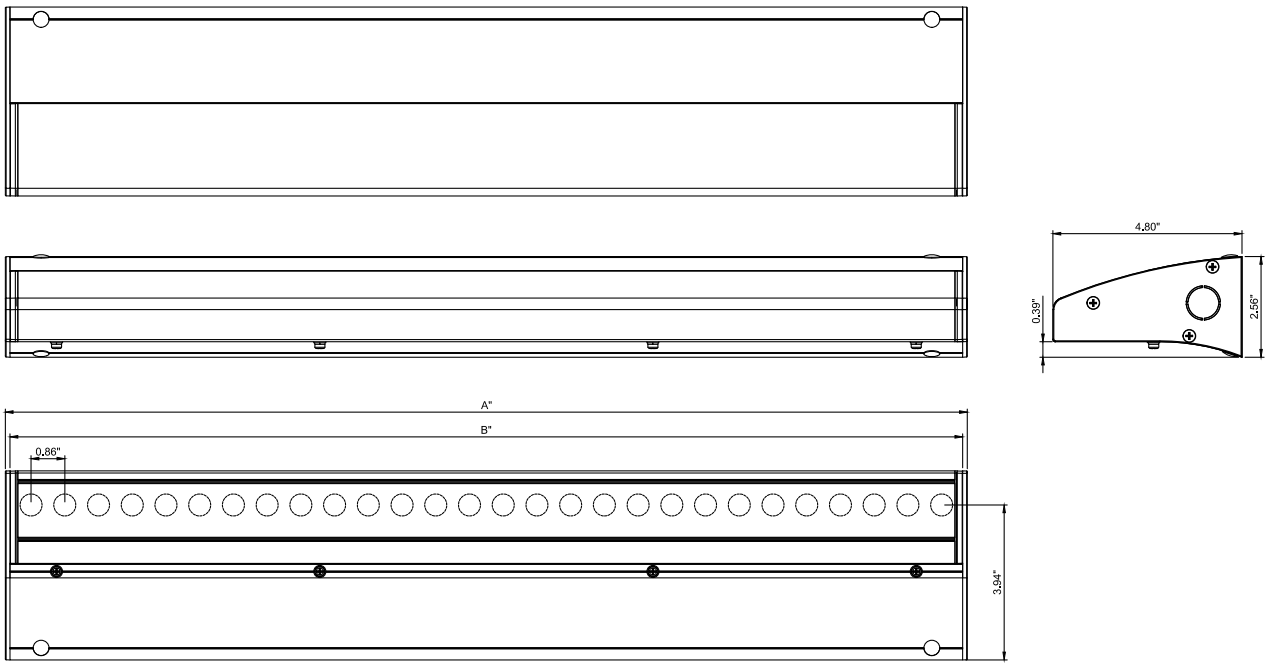


COLOR TEMPERATURES

DIMENSIONS AND DATA

7w/ft	Voltage	View Angle	Watts/ Fixture	Lumens/ Fixture	LEDs/ Fixture	Extrusion Length	Total Length
HB40SP-12-XXK-XXD-ACD	100-277VAC	15°, 30° 45°, 120° 30°x60°	7w	700	14	L=310mm	L=316mm (12.44”)
HB40SB-24-XXK-XXD-ACD			14w	1400	28	L=615mm	L=621mm (24.45”)
HB40SB-36-XXK-XXD-ACD			21w	2100	42	L=920mm	L=926mm (36.46”)
HB40SB-48-XXK-XXD-ACD			28w	2800	56	L=1225mm	L=1231mm (48.46”)

PROFILE



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HB40SB EXTERIOR LINEAR LED LIGHTBAR

ORDER FORM

Date: .....
Type: .....
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Firm: .....

CREATE YOUR FIXTURE

Ex. HB40SB-48-30K-45-ACD

MODEL

HB40SB

LENGTH

12”	12 inches
24”	24 inches
36”	36 inches
48”	48 inches

COLOR

22k	2200k	R	Red
27k	2700k	G	Green
30k	3000k	B	Blue
35k	3500k		
41k	4100k		
50k	5000k		
65k	6500k		

OPTICS

15	15°x15°
30	30°x30°
45	45°x45°
120	120°x120°
3060	30°x60°

VOLTAGE

AC	100-277vac

CONTROL

D	0-10v Dimming
ND	Non Dimming

POWER

7w/ft	7.0w/ft

SELECT CONNECTION

Wire Lead

QTY	POWER/SIGNAL	
	AL-HB5P-72”-W/L	72” (6ft) Wire lead 5pin
	AL-HB5P-xx”-W/L	xx” (CU) Wire lead 5pin
QTY	**POWER**	
	AL-HB3P-72”-W/L	72” (6ft) Wire lead 3pin
	AL-HB3P-xx”-W/L	xx” (CU) Wire lead 3pin

** 1 wire lead required for each run.*

End Cap

QTY		
	AL-HB3P-ENDCAP	End cap for fixture output at end of run

** 1 End cap required at the end of each run*

Jumper Cable

QTY	POWER/SIGNAL	
	AL-HB5P-12”-J	12” (1ft) jumper 5pin
	AL-HB5P-72”-J	72” (6ft) jumper 5pin
	AL-HB5P-xx”-J	xx” (CU) jumper 5pin
QTY	**POWER**	
	AL-HB3P-12”-J	12” (1ft) jumper 3pin
	AL-HB3P-72”-J	72” (6ft) jumper 3pin
	AL-HB3P-xx”-J	xx” (CU) jumper 3pin

** Fixtures are end to end connected. Use jumpers if space is needed between fixtures.*

Powder Coated Finish

QTY	Standard	
	BK	Black

Powder coated finishes available for additional cost

	BZ	Bronze
	WH	White
	CU	Custom

0-10V Dimmer

QTY		
	LUT-DVSTV-WH	0-10v dimming wall switch

Surge Protection

QTY		
	LSP4-UNV	120/277v surge protector

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HB40SB SERIES

ORDER FORM

Date: .....
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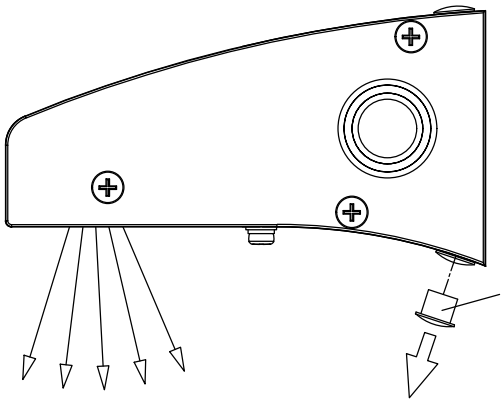
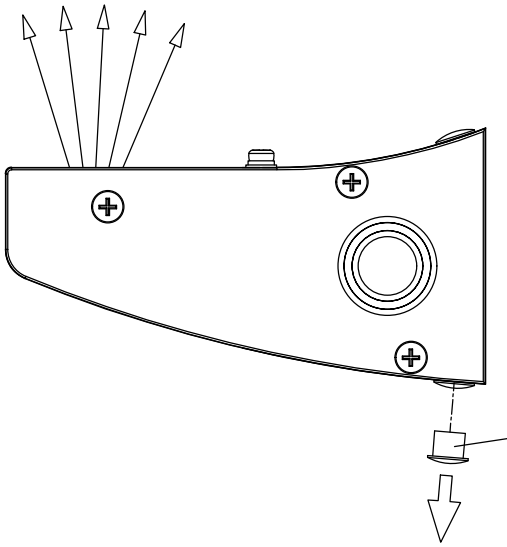
MOUNTING OPTIONS



Remove weep holes during installation



Remove weep holes during installation

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HB40SB SERIES

ORDER FORM

Date: .....
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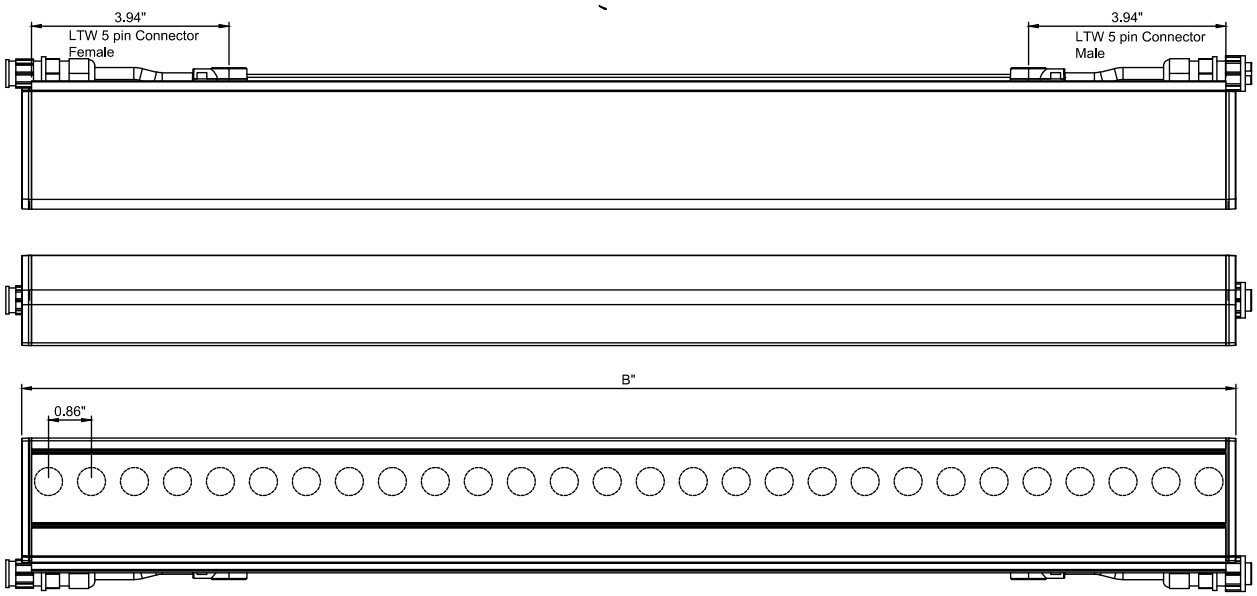
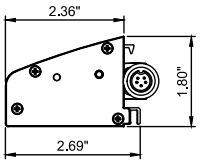
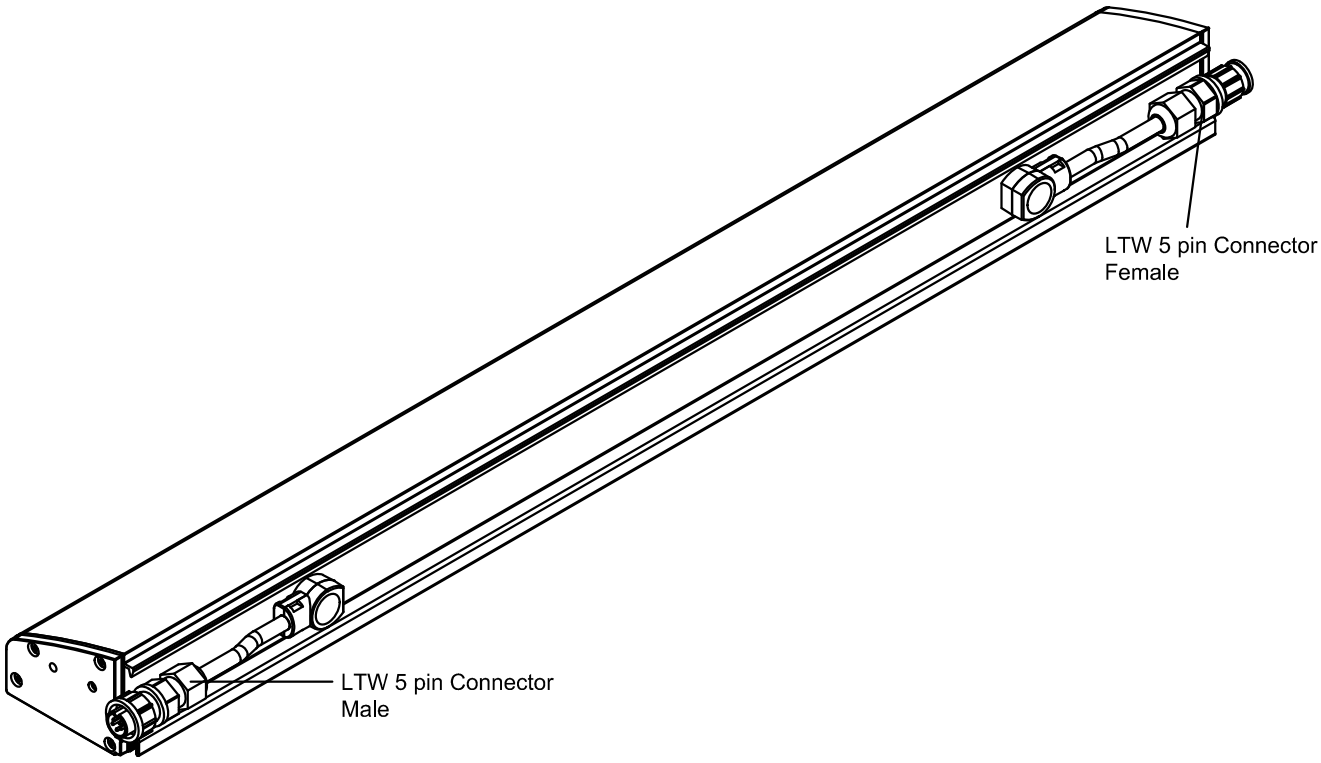
PROFILE







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HB40SB SERIES

WIRING OPTIONS

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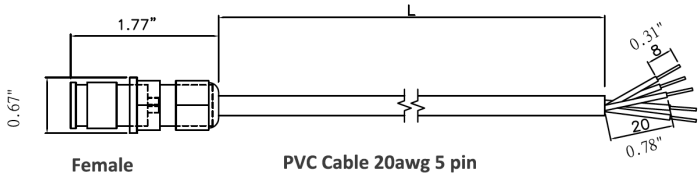
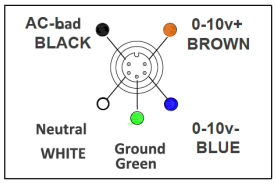
WIRE LEAD

DESCRIPTION
5 pin power / signal wire

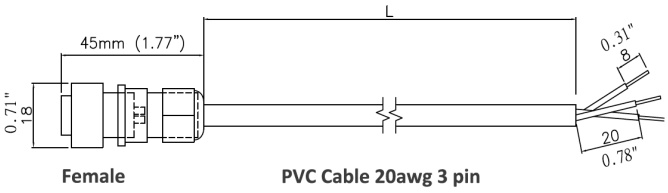
PART NUMBER
AL-HB5P-xx”-W/L

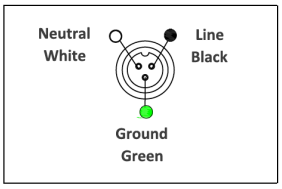




DESCRIPTION
3 pin power wire

PART NUMBER
AL-HB3P-xx”-W/L

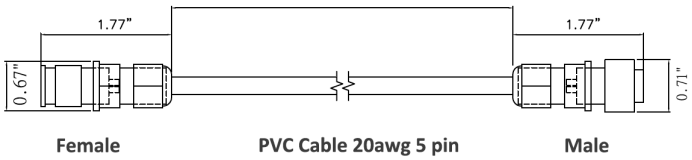


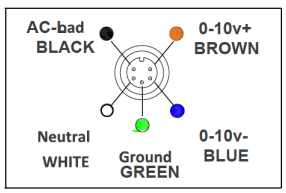


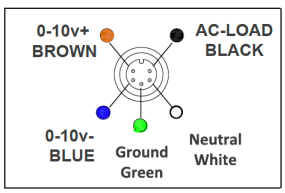
JUMPER CABLE

DESCRIPTION
5 pin power / signal jumper

PART NUMBER
AL-HB5P-xx”-W/L

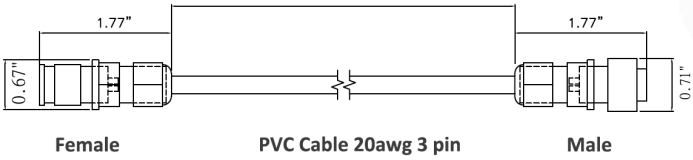


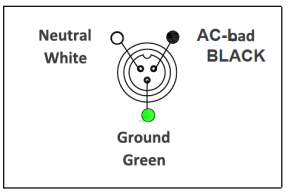


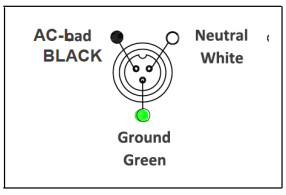


DESCRIPTION
3 pin power jumper

PART NUMBER
AL-HB3P-xx”- J







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HB SERIES

SURGE PROTECTION DEVICE

THE SMART LIGHTING COMPANY

SURGE PROTECTION

DESCRIPTION
Surge Protection Device

PART NUMBER
AL-LSP-UNV

The use of a surge protection device is necessary to maintain your warranty. Specifications are subject to change without notice.

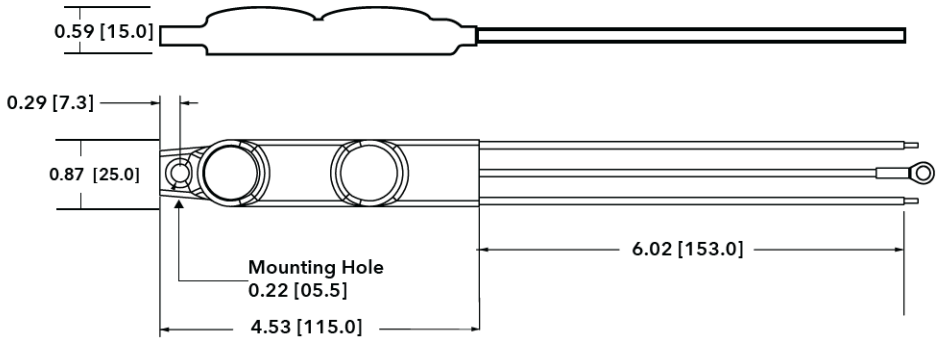
SPECIFICATIONS

Input Voltage	120-277V (+/- 5%)		
Frequency	50Hz-60Hz		
Maximum Continuous Voltage	320V		
Maximum Discharge Current	L-N 20kA; L-G, N-G 10kA (8/20Qs standard wave)		
Nominal Discharge Current	5kA		
Measured Limiting Voltage (VpK)	L-N	L-G	N-G
	1200	1320	1320
Max Case Temperature	85°C		

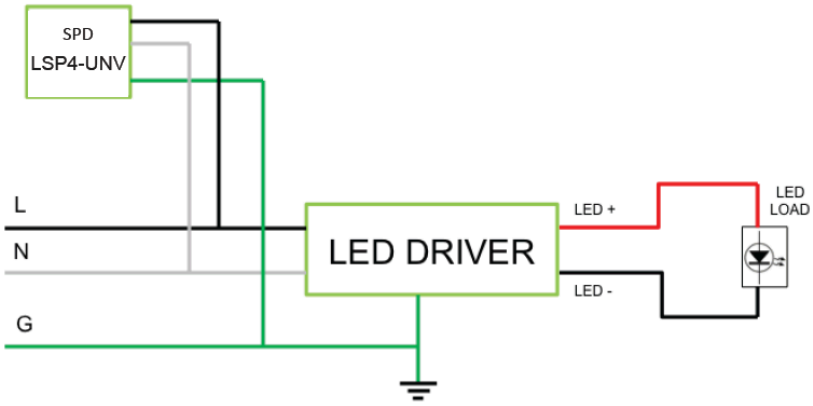
PULSE RATING (8 X 20 SEC)		
Surge Level	# of Strikes	
	L-N	L-G, N-G
10,000A	*2	1
6,500A	4	2
5,000A	30	15
2,000A	200	100
700A	20000	1000

**1 strike at 20,000A*

MECHANICAL DIMENSIONS : IN (MM)



WIRING DIAGRAM



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