



STELLAR **PRO**
HIGH·BAY

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LED LINEAR HIGH BAY PRO SERIES

HBST

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DESCRIPTION

LED Linear High Bay Pro Series/
120-277V Input(347-480V Optional)/ Power Selectable/
Frosted Lens/ 0-10V Dimming/ 65°C Ambient Temp Operation

APPLICATION

Warehouse/ Gym/ Manufacturing/ Retail/
Distribution Center/ Hangars



PRODUCT FEATURES

- Clean, Modern, Compact Design, Precision-Designed Optics
- Die-cast Aluminum Housing and Heat Sink
- First-Class Thermal Management, -40°C~65°C(-40°F~149°F) Ambient Range Operation
- 120-277V Universal Input (347-480V Optional)
- Efficacy Up To 158 LM/W, Lumen Output Up To 49,900 LM
- 0-10V Dimming Comes Standard
- Powe Select Technology: 3-Step Wattage Selectable
- 90°x90° Distribution Comes Standard (40°x90° Aisle Distribution Optional)
- Stand Alone PNP Sensor Available, Sensor Receptacle Pre-installed
- BLE Mesh Control (LLC) and Circuit Level Control (LALC) Options Available*
- Emergency Backup Options Available, Sold Separately
- Industry-leading 10 Years Warranty

* Please contact our sales team for more details

**Step down transformer comes standard for 347-480V, driver optional for factory order

PRODUCT SPECIFICATIONS

Model#	Wattage Selection(W)	4000K			5000K			CRI	Power Factor
		Wattage(W)	Lumens(LM)	Efficacy(LM/W)	Wattage(W)	Lumens(LM)	Efficacy(LM/W)		
HBST-155P-40-S	155	152.9	23,320	152.6	152.9	23,786	155.6	>80	>0.9
	130	130.0	20,427	157.1	130.0	20,836	160.3		
	110	110.0	17,803	161.8	110.0	18,159	165.1		
HBST-215P-40-S	215	212.6	32,946	155.0	212.6	33,605	158.1	>80	>0.9
	180	180.0	28,735	159.6	180.0	29,309	162.8		
	165	165.0	27,130	164.4	165.0	27,673	167.7		
HBST-320P-40-S	320	315.9	48,926	154.9	315.9	49,905	158.0	>80	>0.9
	290	290.0	46,264	159.5	290.0	47,189	162.7		
	255	255.0	41,901	164.3	255.0	42,739	167.6		
HBST-400P-40-S	400	400.0	61,960	154.9	400.0	63,199	158.0	>80	>0.9
	360	360.0	57,437	159.5	360.0	58,586	162.7		
	320	320.0	52,587	164.3	320.0	53,638	167.6		

*The fixture is power selectable. Data is based on max wattage.

*Data for 4000K models based on testing results at 120VAC, data for 5000K extrapolated with 1.02 multiplier.

*Data for low wattage selections are extrapolated with 1.03 multiplier.

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LUMEN MAINTENANCE

Model#	Ambient Test Temp	Reported Hrs	0 Hrs	25,000 Hrs	50,000 Hrs	100,000 Hrs	Calculated L70 Hrs
HBST-155P-40-S 25°C	25°C/77°F	54,000	1	0.9774	0.9491	0.895	309,000
HBST-155P-40-S 45°C	45°C/113°F	54,000	1	0.967	0.9277	0.8537	220,000
HBST-155P-40-S 55°C	55°C/131°F	54,000	1	0.9586	0.9183	0.8348	208,000
HBST-155P-40-S 65°C	65°C/149°F	54,000	1	0.9559	0.913	0.8328	195,000

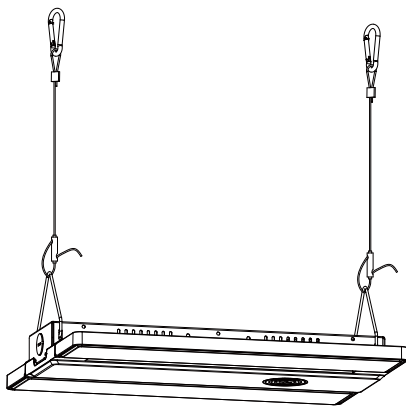
ELECTRICAL DATA

Model Number	Wattage	120V	277V
HBST-155P-XX-S	155W	1.276A	0.578A
HBST-215P-XX-S	215W	1.773A	0.79A
HBST-320P-XX-S	320W	2.635A	1.155A
HBST-400P-XX-S	400W	3.294A	1.444A

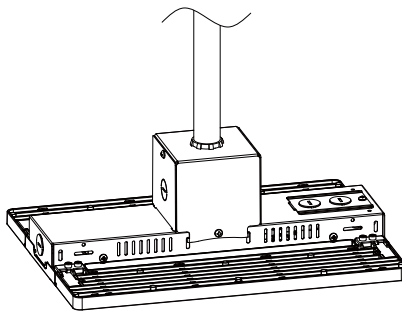
LUMEN OUTPUT SCALING

CCT	Multiplier
4000K	1.00
5000K	1.02
CRI	Multiplier
80	1.00
Ambient	Multiplier
25°C	1.00
45°C	0.98
55°C	0.98
65°C	0.97

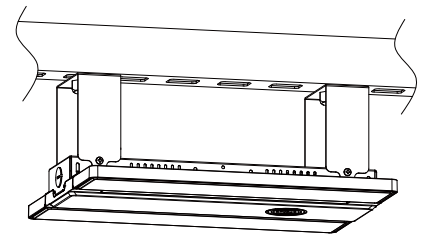
INSTALLATION



Suspension Mount



Pendant Mount

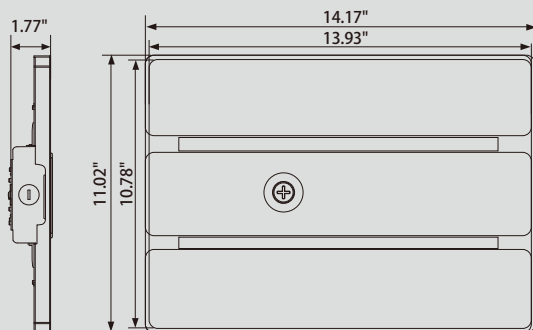


Surface Mount

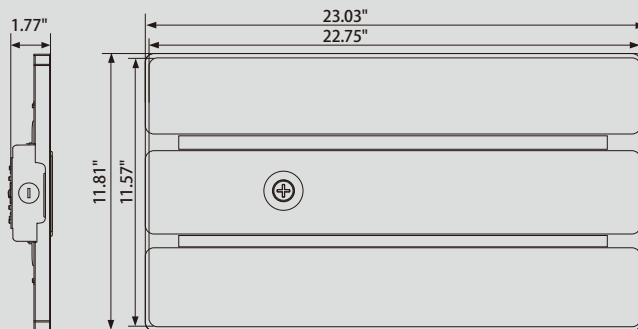
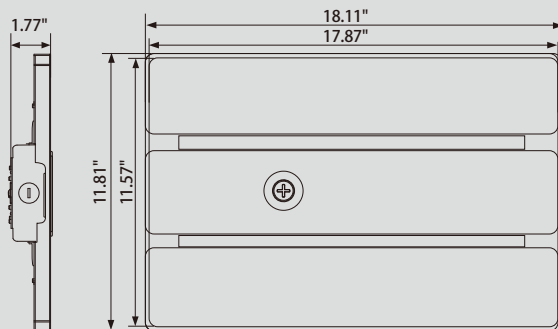
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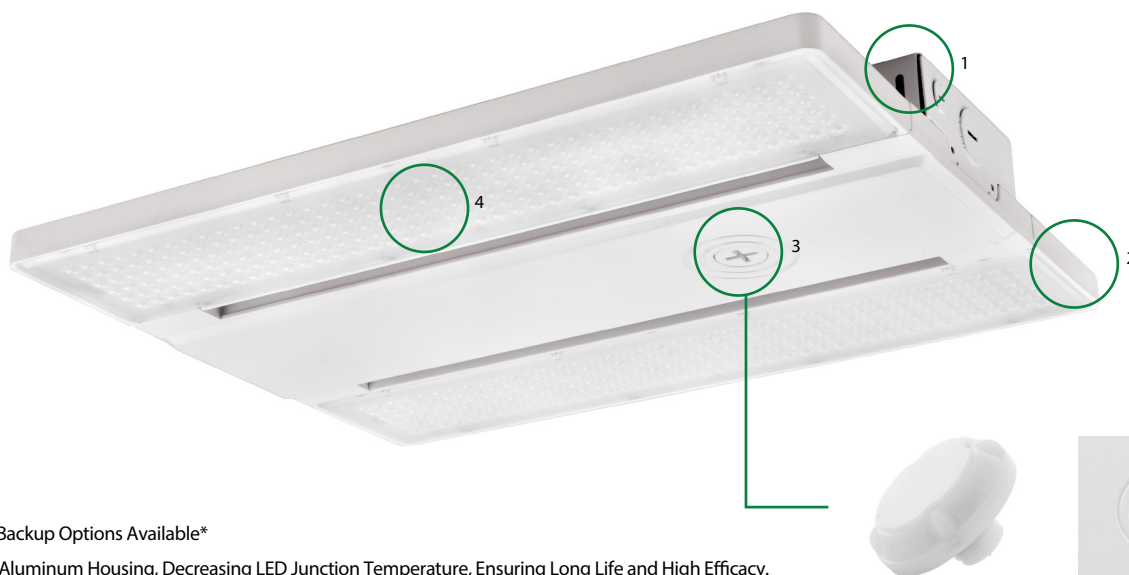
DIMENSIONS



Model Number	Length(in)	Width(in)	Depth(in)	Weight(lbs)
HBST-155P	14.3	11.1	1.8	5.28
HBST-215P	18.1	11.8	1.8	7.92
HBST-290P	23.1	11.8	1.8	7.92
HBST-320P	23.1	11.8	1.8	7.92



PHYSICAL FEATURES



1. Emergency Backup Options Available*
2. Die-Casting Aluminum Housing, Decreasing LED Junction Temperature, Ensuring Long Life and High Efficacy.
3. Sensor Receptacle Pre-Installed, Plug and Play Sensor Available
4. 90°x90° Optics For General Use, 40°x90° Optional For Aisle Distribution

* Need extra driver box for mounting, sold separately.

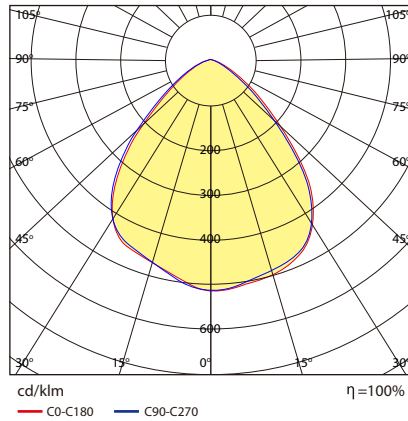
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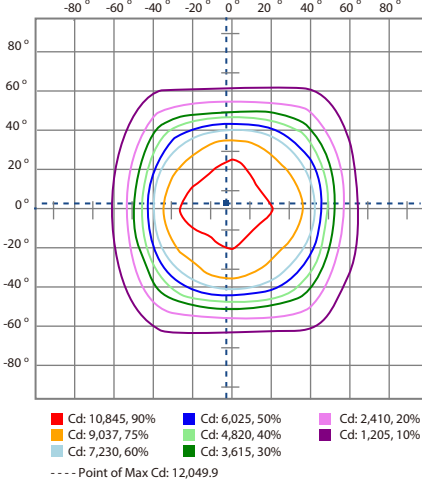
PHOTOMETRIC SPECIFICATIONS

HBST-155P-40-S(90°x90°optics)

POLAR CURVE



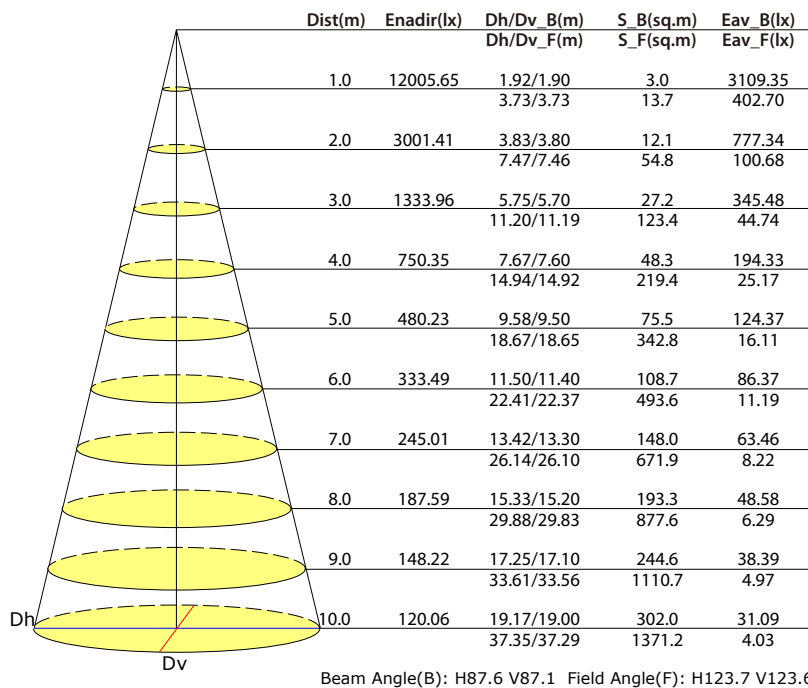
ISOCANDELA PLOT



ZONAL LUMEN

Zone	Lumens	% Lamp	% Luminaire
0-30	9,069.9	38.9%	38.9%
0-40	14,539.3	62.3%	62.4%
0-60	21,494.2	92.2%	92.2%
60-90	1,738.7	7.5%	7.5%
70-100	588.0	2.5%	2.5%
90-120	24.0	0.1%	0.1%
0-90	23,232.9	99.6%	99.6%
90-180	83.1	0.4%	0.4%
0-180	23,316.0	100%	100%

AVERAGE ILLUMINANCE



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ADDITIONAL ACCESSORIES (SOLD SEPARATELY)

ATG CODE	MODEL NUMBER	DESCRIPTION
SQ	HB01DMS	Microwave Motion Sensor
RQ	HB03R	Remote Control
WG1	WG-HBST-01	Wire Guard For Stellar Pro, 85P-155P
WG2	WG-HBST-02	Wire Guard For Stellar Pro, 215P-255P
WG3	WG-HBST-03	Wire Guard For Stellar Pro, 290P-320P
PMK	PMK-HBST-01	Pendant Mount Kit
SMK	SMK-HBST-01	Surface Mount Kit
VK	VK-HBST-01	V-hook and Chain for Suspension Mount
EH	EMA20YY-50	Emergency Battery Backup, 90mins Emergency Operation
EJB	EMJ-HBST-01	Junction Box for Emergency Battery Backup
EMB	EMB-HBST-01	Mounting Bracket for Junction Box



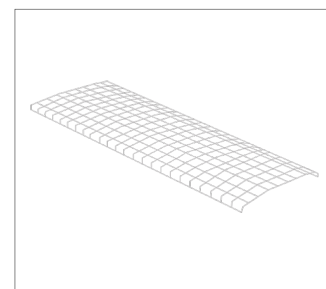
HB01DMS



HB03R



EMA20YY-50



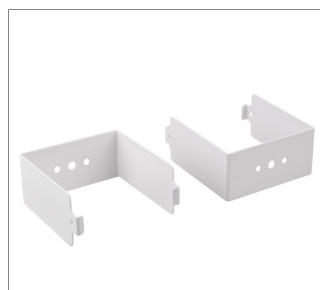
WIRE GUARD



EMB-HBST-01



EMJ-HBST-01



SMK-HBST-01



PMK-HBST-01

ORDER FORMAT

Series	Wattage	CCT	Input**	Diffuser	Finish	Sensor	EM
HBST							
	155P= 155W Power Select	40= 4000K	Blank=120-277V	S= Standard	Blank= White	Blank=w/o sensor	Blank=w/o EM
	215P= 215W Power Select	50= 5000K	V=347-480V	A= Aisle		SQ=HB01DMS	EH=EMA20YY-50
	320P= 320W Power Select						
	400P= 400W Power Select						

*Not all models in stock, check below QUICK ORDERING GUIDE for reference.

**Both 347-480V driver and step down transformer are available.

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QUICK ORDERING GUIDE

✓	Part Number	Description	QUICK SHIPPING*
	HBST-155P-50-S	Stellar Pro LED Linear Highbay, 0-10V dimming, 155W/130W/110W, 5000K, 120-277VAC, 90°X90° beam spread, with 12VDC AUX&receptacle, V-hook&chain included (40°X90° Aisle Lens also available for factory order)	✓
	HBST-215P-50-S	Stellar Pro LED Linear Highbay, 0-10V dimming, 215W/180W/165W, 5000K, 120-277VAC, 90°X90° beam spread, with 12VDC AUX&receptacle, V-hook&chain included (40°X90° Aisle Lens also available for factory order)	✓
	HBST-320P-50-S	Stellar Pro LED Linear Highbay, 0-10V dimming, 320W/290W/255W, 5000K, 120-277VAC, 90°X90° beam spread, with 12VDC AUX&receptacle, V-hook&chain included (40°X90° Aisle Lens also available for factory order)	✓
	HBST-400P-50-S	Stellar Pro LED Linear Highbay, 0-10V dimming, 400W/360W/320W, 5000K, 120-277VAC, 90°X90° beam spread, with 12VDC AUX&receptacle, V-hook&chain included (40°X90° Aisle Lens also available for factory order)	
	WG-HBST-01	Wire Guard for 155P Stellar Pro LED Linear Highbay	
	WG-HBST-02	Wire Guard for 215P Stellar Pro LED Linear Highbay	
	WG-HBST-03	Wire Guard for 320P Stellar Pro LED Linear Highbay	
	PMK-HBST-01	Pendant Mount Kit for Stellar Pro LED Linear Highbay	
	SMK-HBST-01	Surface Mount Kit for Stellar Pro LED Linear Highbay	
	HB01DMS	Microwave Motion Sensor for G4 Helix Highbay, 12VDC	✓
	HB03R	Remote Control for HB01DMS	✓

* QUICK SHIPPING means this is a inventory product, please contact our sales for realtime stock information.

* 40°X90° Aisle Lens also available for factory order

* Step down transformer available for 480V application