

LED Luminaires

ProLED Select Compact Linear High Bay Series

- Compact Design To Reduce Shipping Costs, and Reduce Installation Time
- Lumen Packages Covering 14,600-47,700 Lumens
- Field Selectable Beam angle, Lumen and CCT
- Integrated Z-10 Receptacle for Control Solution
- Operates in Ambient Temperatures up to 55° C

Specifications

Description

The Compact Linear High Bay (CLHB) combines advanced functionality with a compact, installer-friendly design to deliver strong performance across a wide range of commercial and industrial applications. Its die-cast aluminum housing provides excellent heat dissipation and long-term durability, while field-selectable lumen output, CCT, and beam angle give users the flexibility to optimize light levels and distribution directly on site. The fixture also includes a Zhaga Z-10 receptacle for plug-and-play control integration, enabling Bluetooth and other advanced lighting control solutions to support greater energy savings and system efficiency. With its blend of performance, adaptability, and modern control readiness, the CLHB offers a reliable and versatile lighting solution for warehouses, gymnasiums, retail spaces, and other large indoor environments.

Performance

- Selectable Color Temperatures 3500K, 4000K, 5000K
- Selectable Lumens: 14,600/17,100/19,500, 19,700/22,500/24,200, 28,300/30,800/33,300, 38,600/43,300/47,700
- Field Beam Angle Selectable (45°X100°/65°X90°/90°X90°)
- Up to 166 Lumens per watt
- 80+ CRI
- 0-10V Dimming
- 120-277VAC Standard, 277-480VAC Option
- L70 Lumen Maintenance > 100,000 Hours
- 5 Year limited warranty



Certifications

- DLC 6.0 Premium
- cULus, Damp location rating
- ROHS compliant
- FCC
- IP20

Construction

- Die-cast aluminum housing
- Polycarbonate lens
- ½" Knock outs on top, sides and bottom
- Chain and v hook mount (standard)
- Wire guard, pendant mount, surface mount (accessories)
- Optional battery backup

Controls

- 0-10 VDC dimming
- Built in Zhaga Z-10 receptacle for stand-alone or Bluetooth control solutions

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Ordering Logic

Series	Lumen Selectable	CCT	Voltage	Options
CLHB = Compact Linear High Bay	1-LS = 14,600-19,500 2-LS = 19,700-24,200 3-LS = 28,300-33,300 4-LS = 38,600-47,700	CS = Color Selectable 3500K/4000K/5000K	U = 120-277VAC H = 277-480VAC	EM = Battery Backup

Ordering Information

Product SKU	Product Code	Product Description
36160	CLHB-1-LS-CS-U	LED Select Compact Linear High Bay 1, with Controls Ready Z10 Receptacle, Lumen Selectable 14,600-17,100-19,500 LM (90W-110W-130W), Color Selectable 35-40-50K, Adjustable Beam Angle (Narrow, Standard, Wide), Universal Voltage 120-277VAC with Suspended Chain Mount
36161	CLHB-2-LS-CS-U	LED Select Compact Linear High Bay 2, with Controls Ready Z10 Receptacle, Lumen Selectable 19,700-22,500-24,200 LM (125W-150W-165W), Color Selectable 35-40-50K, Adjustable Beam Angle (Narrow, Standard, Wide), Universal Voltage 120-277VAC with Suspended Chain Mount
36162	CLHB-3-LS-CS-U	LED Select Compact Linear High Bay 3, with Controls Ready Z10 Receptacle, Lumen Selectable 28,300-30,800-33,300 LM (180W-200W-220W), Color Selectable 35-40-50K, Adjustable Beam Angle (Narrow, Standard, Wide), Universal Voltage 120-277VAC with Suspended Chain Mount
36163	CLHB-4-LS-CS-U	LED Select Compact Linear High Bay 4, with Controls Ready Z10 Receptacle, Lumen Selectable 38,600-43,300-47,700 LM (240W-280W-320W), Color Selectable 35-40-50K, Adjustable Beam Angle (Narrow, Standard, Wide), Universal Voltage 120-277VAC with Suspended Chain Mount
Accessories		
36170	CLHB-M-PEND	Pendant Mount for Compact Linear High Bay
36171	CLHB-M-SURF	Surface Mount for Compact Linear High Bay (includes 2 pieces to mount 1 Fixtures)
36172	CLHB-A-WG-1-2	Wire Guard for 130W-165W CLHB-1 and CLHB-2
36173	CLHB-A-WG-3	Wire Guard for 220W CLHB-3
36174	CLHB-A-WG-4	Wire Guard for 320W CLHB-4
Battery Backup & HV Drivers		
96110	BBU-D7-20WCP	Battery Backup 20W Output Power 90 min Backup Integral in Enclosure 7in Constant Power for Linear Highbays (works with CLHB)
36175	CLHB-DR-1	High Voltage Driver HV 277-480V for 130W CLHB-1
36176	CLHB-DR-2	High Voltage Driver HV 277-480V for 165W CLHB-2
36177	CLHB-DR-3	High Voltage Driver HV 277-480V for 220W CLHB-3
36178	CLHB-DR-4	High Voltage Driver HV 277-480V for 320W CLHB-4
Sensors		
24982	HSN-SEN-PIR-DAY-010-Z10-WH	Haisen PIR Sensor Indoor/Outdoor Wet Location Rated, White Housing, Z10 base Compatible, Daylight Harvesting, 0-10V Dimming, Remote 90555 and/or Dial Quick Setting Option
90555	HSN-REMCON-HD06R	Haisen Remote Control for Programming the PIR Sensor Above.
25416	PSC-ZKV-I-11H-BLE-SR-WH	TruBlu Mesh Passive Infrared Outdoor Sensor-Controller White (can not be used with 3PR or 7PR Twistlock Sensor)
25417	PSC-ZKV-WCM-100-BLE-SR-WT	TruBlu SIG Mesh Fixture Controller, 12-24VDC, Single Channel 0-10 Volt Dimming, Z10, White
25414	PSC-ZKV-WCM-100-BLE-SR/EXA	TruBlu SIG Mesh Fixture Controller, 12-24VDC, Single Channel 0-10 Volt Dimming, Z10, with Long Range Antenna, Clear



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Non Stock SKUs

Product SKU	Product Code	Product Description
36180	CLHB-1-LS-CS-U-EM	LED Select Compact Linear High Bay 1, with Controls Ready Z10 Receptacle, Lumen Selectable 14,600-17,100-19,500 LM (90W-110W-130W), Color Selectable 35-40-50K, Adjustable Beam Angle (Narrow, Standard, Wide), Universal Voltage 120-277VAC with Suspended Chain Mount with Emergency Battery Backup
36181	CLHB-2-LS-CS-U-EM	LED Select Compact Linear High Bay 2, with Controls Ready Z10 Receptacle, Lumen Selectable 19,700-22,500-24,200 LM (125W-150W-165W), Color Selectable 35-40-50K, Adjustable Beam Angle (Narrow, Standard, Wide), Universal Voltage 120-277VAC with Suspended Chain Mount with Emergency Battery Backup
36182	CLHB-3-LS-CS-U-EM	LED Select Compact Linear High Bay 3, with Controls Ready Z10 Receptacle, Lumen Selectable 28,300-30,800-33,300 LM (180W-200W-220W), Color Selectable 35-40-50K, Adjustable Beam Angle (Narrow, Standard, Wide), Universal Voltage 120-277VAC with Suspended Chain Mount with Emergency Battery Backup
36183	CLHB-4-LS-CS-U-EM	LED Select Compact Linear High Bay 4, with Controls Ready Z10 Receptacle, Lumen Selectable 38,600-43,300-47,700 LM (240W-280W-320W), Color Selectable 35-40-50K, Adjustable Beam Angle (Narrow, Standard, Wide), Universal Voltage 120-277VAC with Suspended Chain Mount with Emergency Battery Backup
36184	CLHB-1-LS-CS-H	LED Select Compact Linear High Bay 1, with Controls Ready Z10 Receptacle, Lumen Selectable 14,600-17,100-19,500 LM (90W-110W-130W), Color Selectable 35-40-50K, Adjustable Beam Angle (Narrow, Standard, Wide), High Voltage 277-480VAC with Suspended Chain Mount
36185	CLHB-2-LS-CS-H	LED Select Compact Linear High Bay 2, with Controls Ready Z10 Receptacle, Lumen Selectable 19,700-22,500-24,200 LM (125W-150W-165W), Color Selectable 35-40-50K, Adjustable Beam Angle (Narrow, Standard, Wide), High Voltage 277-480VAC with Suspended Chain Mount
36186	CLHB-3-LS-CS-H	LED Select Compact Linear High Bay 3, with Controls Ready Z10 Receptacle, Lumen Selectable 28,300-30,800-33,300 LM (180W-200W-220W), Color Selectable 35-40-50K, Adjustable Beam Angle (Narrow, Standard, Wide), High Voltage 277-480VAC with Suspended Chain Mount
36187	CLHB-4-LS-CS-H	LED Select Compact Linear High Bay 4, with Controls Ready Z10 Receptacle, Lumen Selectable 38,600-43,300-47,700 LM (240W-280W-320W), Color Selectable 35-40-50K, Adjustable Beam Angle (Narrow, Standard, Wide), High Voltage 277-480VAC with Suspended Chain Mount

ProLED Select Compact Linear High Bay Series



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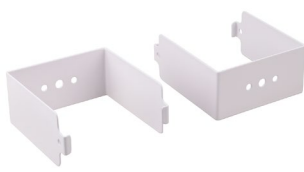
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Product Selector Guide

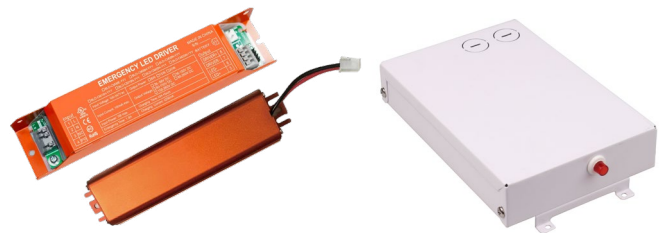
Watts	Color Temp	Base Part # 120-277V	With Emergency Battery Backup	With 480V
1 (90W-110W-130W), 14,600-17,100-19,500 LM	3500K/4000K/5000K	36160	36180	36184
2 (125W-150W-165W) 19,700-22,500-24,200 LM	3500K/4000K/5000K	36161	36181	36185
3 (180W-200W-220W) 28,300-30,800-33,300 LM	3500K/4000K/5000K	36162	36182	36186
4 (240W-280W-320W) 38,600-43,300-47,700 LM	3500K/4000K/5000K	36163	36183	36187



Pendant Mount



Surface Mount



Mount Selector

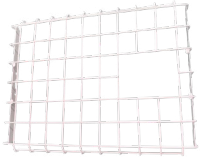
Product SKU	Product Description
36170	Pendant Mount for Compact Linear High Bay
36171	Surface Mount for Compact Linear High Bay (includes 2 pieces to mount 1 Fixtures)

Battery Backup

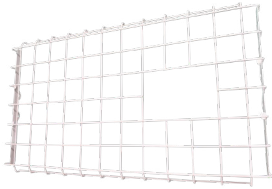
Product SKU	Product Description
96110	Battery Backup 20W Output Power 90 min Backup Integral in Enclosure 7in Constant Power for Linear Highbays (works with CLHB)

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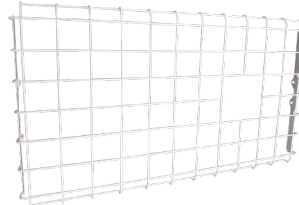
Wire Guards



36172 - CLHB-1,2



36173 - CLHB-3



36174 - CLHB-4

Product SKU	Product Description
36172	Wire Guard for 130W-165W CLHB-1 and CLHB-2
36173	Wire Guard for 220W CLHB-3
36174	Wire Guard for 320W CLHB-4

Product Selector Controls



With 24982 - Z10 PIR Sensor



With 25416 - TruBlu Z10 Sensor

Standalone Sensors			
Image	Color	Part #	Description
	White	24982	Haisen PIR Sensor Indoor/Outdoor Wet Location Rated, White Housing, Z10 base Compatible, Daylight Harvesting, 0-10V Dimming, Remote 90555 and/or Dial Quick Setting Option
	New Model	90555	Haisen Remote Control for Programming the PIR Sensor Above.
Bluetooth MW Connect Sensors & Controllers (Nodes)			
Image	Color	Part #	Description
	White	25416	TruBlu SIG Mesh PIR Highbay/Lowbay 0-10V Dimming Sensor controller, 12-24VDC, Z10 with photocell, White
	White	25417	TruBlu SIG Mesh Fixture Node/Controller, 12-24VDC, Single Channel 0-10 Volt Dimming, Z10, White
	Clear	25414	TruBlu SIG Mesh Fixture Node/Controller, 12-24VDC, Single Channel 0-10 Volt Dimming, Z10, with Long Range Antenna, Clear



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Specifications Table

	CLHB-1-LS-CS-U	CLHB-2-LS-CS-U	CLHB-3-LS-CS-U	CLHB-4-LS-CS-U
Nominal Wattage	Selectable 90W, 110W or 130W	Selectable 125W, 150W or 165W	Selectable 180W, 200W or 220W	Selectable 240W, 280W or 320W
Delivered Lumens at 90°x90°, 4000K	Selectable 14,600/17,100/19,500	Selectable 19,700/22,500/24,200	Selectable 28,300/30,800/33,300	Selectable 38,600/43,300/47,700
Efficacy (lm/W) at 90°x90°, 4000K	154-164	155-163	161-164	157-166
Distribution	Selectable 45°x100°/65°x90°/90°x90°			
CCT	Selectable 3500K/4000K/5000K			
CRI	>80 CRI			
L70 Lifetime (hrs)	>100,000			
Voltage	Universal 120-277VAC & High Voltage 277-480VAC			
Power Factor	>0.9			
Dimming	0-10VDC			
Housing Material	Die-cast Aluminum			
Lens	Polycarbonate lens			
Operating Temperature	-40°C - 55° C (-40°F - 131° F)			
Listings	UL, cUL, DLC 6.0 Premium			
Environment	IP 20, Damp Location, FCC			
Warranty	5 Years Standard			
Weight	7 lbs	7 lbs	9.2 lbs	10.8 lbs

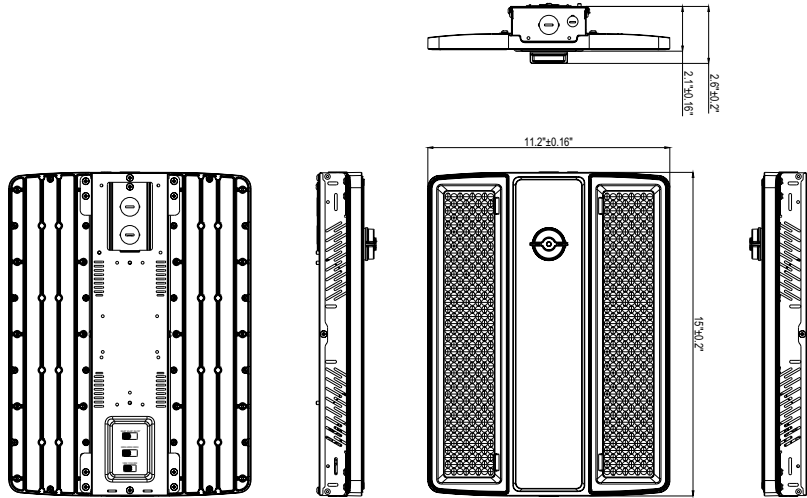
Performance Table

Product Code	Selectable Wattage	Beam Angle(°)	3500K		4000K		5000K	
			Lumen(lm)	Efficacy(lm/W)	Lumen(lm)	Efficacy(lm/W)	Lumen(lm)	Efficacy(lm/W)
CLHB-1-LS-CS-U	90W	90x90	14,332	159	14,597	164	14,326	157
		45x100	13,583	151	13,844	156	13,562	148
		65x90	14,555	166	14,881	172	14,749	167
	110W	90x90	16,778	153	17,084	159	16,610	149
		45x100	15,911	146	16,176	151	15,699	141
		65x90	17,159	162	17,528	169	17,276	163
	130W	90x90	19,398	148	19,539	154	18,801	143
		45x100	18,141	141	18,407	146	17,749	136
		65x90	19,649	159	20,061	165	19,697	158
CLHB-2-LS-CS-U	125W	90x90	18,996	153	19,735	163	19,446	154
		45x100	18,209	147	18,867	156	18,556	147
		65x90	19,430	162	20,160	171	20,094	167
	150W	90x90	21,697	148	22,539	158	22,081	148
		45x100	20,944	141	21,633	151	21,073	141
		65x90	22,253	158	23,120	167	22,963	162
	165W	90x90	23,188	144	24,268	155	23,613	144
		45x100	22,629	137	23,263	149	22,525	137
		65x90	23,998	155	25,081	166	24,858	160
CLHB-3-LS-CS-U	180W	90x90	27,654	159	28,380	166	27,636	156
		45x100	26,580	152	27,236	159	26,525	149
		65x90	28,594	168	29,332	176	29,210	171
	200W	90x90	29,900	155	30,799	164	29,917	153
		45x100	28,735	149	29,597	157	28,700	146
		65x90	30,887	166	31,856	174	31,745	168
	220W	90x90	32,316	152	33,372	161	32,329	149
		45x100	31,198	146	32,377	155	31,851	145
		65x90	33,435	163	34,471	172	34,119	165
CLHB-4-LS-CS-U	240W	90x90	37,244	156	38,664	166	37,489	155
		45x100	36,831	154	37,968	163	36,667	151
		65x90	38,566	168	39,898	177	39,502	171
	280W	90x90	41,543	151	43,308	162	41,582	148
		45x100	39,996	145	41,943	156	39,966	142
		65x90	43,410	164	45,082	174	44,531	167
	320W	90x90	45,755	146	47,696	157	45,283	142
		45x100	44,888	143	46,181	152	43,638	137
		65x90	47,952	160	50,000	171	49,128	163

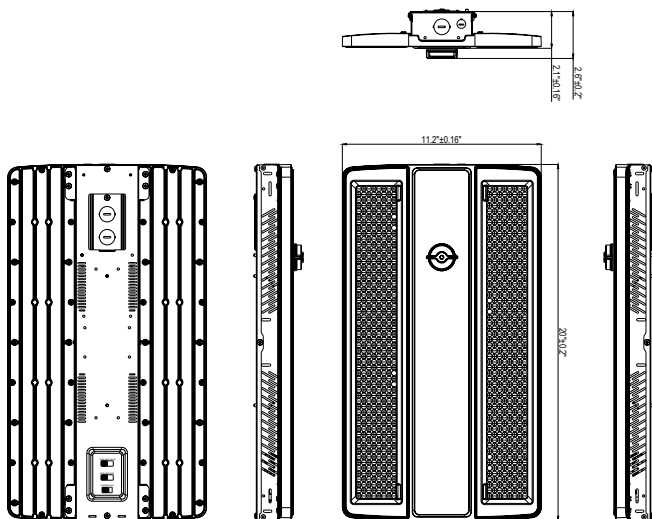
ProLED Select Compact Linear High Bay Series

Dimensions

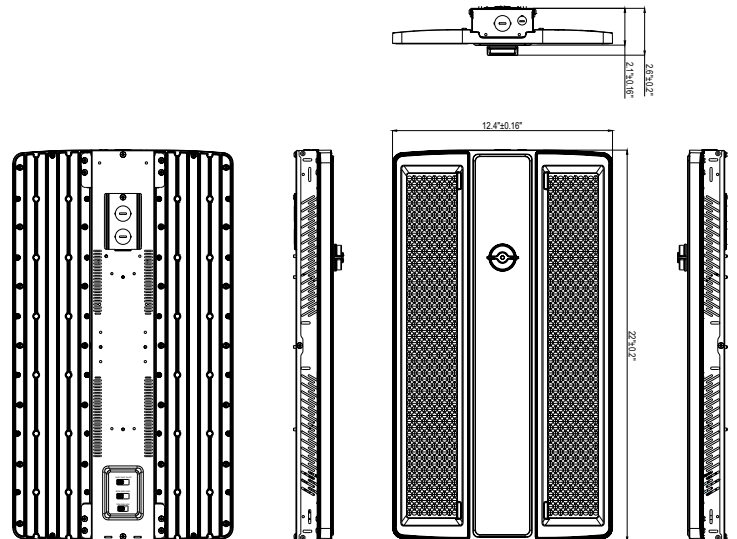
CLHB-1-LS-CS-U & CLHB-2-LS-CS-U



CLHB-3-LS-CS-U



CLHB-4-LS-CS-U

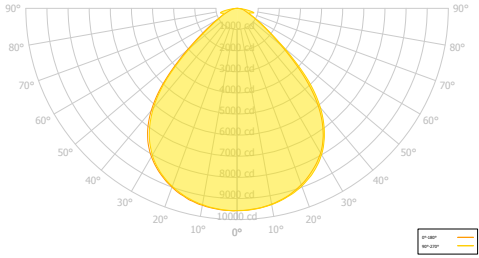


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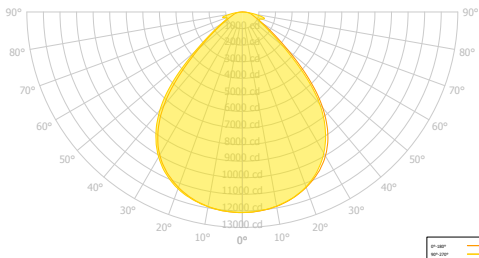
Photometrics

*Photometrics based on each fixture at highest wattage selection at 5000K and 90°. For complete photometry/IES files, please contact the factory.

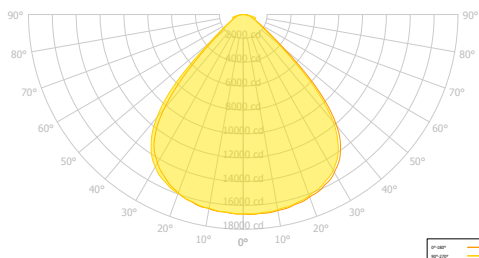
Candela Polar Plot



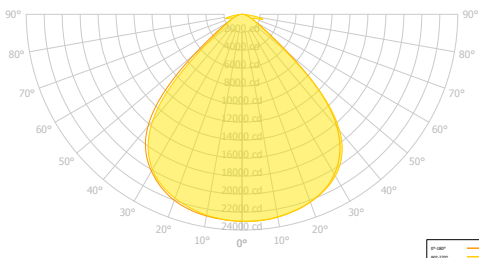
CLHB-1-LS-CS-U 5000K		
ZONE	LUMENS	% LAMP LUMENS
0° - 10°	909	5%
10° - 20°	2606	14%
20° - 30°	3931	21%
30° - 40°	4482	24%
40° - 50°	3588	19%
50° - 60°	1816	10%
60° - 70°	860	5%
70° - 80°	451	2%
80° - 90°	106	1%
0° - 90°	18750	99%
0° - 180°	18798	100%



CLHB-2-LS-CS-U 5000K		
ZONE	LUMENS	% LAMP LUMENS
0° - 10°	1149	5%
10° - 20°	3288	14%
20° - 30°	4932	21%
30° - 40°	5533	24%
40° - 50°	4330	18%
50° - 60°	2266	10%
60° - 70°	1180	5%
70° - 80°	676	3%
80° - 90°	170	1%
0° - 90°	23527	99%
0° - 180°	23611	100%



CLHB-3-LS-CS-U 5000K		
ZONE	LUMENS	% LAMP LUMENS
0° - 10°	1594	5%
10° - 20°	4640	14%
20° - 30°	7197	21%
30° - 40°	8436	24%
40° - 50°	6051	19%
50° - 60°	2354	10%
60° - 70°	1156	5%
70° - 80°	640	2%
80° - 90°	166	1%
0° - 90°	32236	99%
0° - 180°	32326	100%

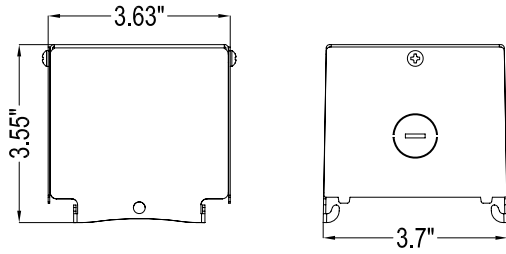


CLHB-4-LS-CS-U 5000K		
ZONE	LUMENS	% LAMP LUMENS
0° - 10°	2193	5%
10° - 20°	6367	14%
20° - 30°	9857	21%
30° - 40°	11667	24%
40° - 50°	9056	19%
50° - 60°	3378	10%
60° - 70°	1495	5%
70° - 80°	891	2%
80° - 90°	235	1%
0° - 90°	45138	99%
0° - 180°	45279	100%

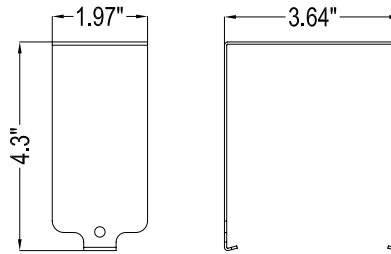
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Accessory Dimensions

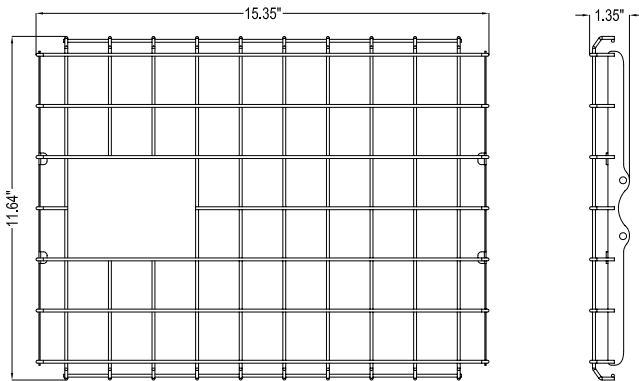
Pendant Mount



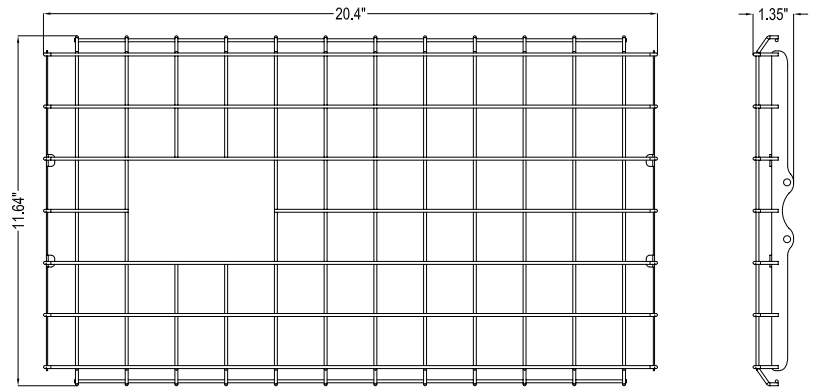
Surface Mount



Wire Guard for CLHB-1 & CLHB-2 (130W/165W)



Wire Guard for CLHB-3 (220W)



Wire Guard for CLHB-4 (320W)

