## **CLH SERIES**





**CLASSIFIED LOCATION HIGH BAY** CAT.# APPROVALS TYPE JOB SPECIFICATIONS Applications -The Hubbell Industrial CLH Series is ideal for hazardous location areas that demand a well-sealed high bay capable of replacing 400W MH high bays on a one-for-one basis. Its cast aluminum, well-sealed construction, smooth exterior and easy installation features make it an ideal choice for those tough locations in a facility. CLASSIFIED LOCATION HIGHBA Construction -• Three piece cast aluminum housing • Mid power LEDs for high LPW and low glare Easy one person installation on threaded conduit (3/4" or 1") • Weight: 38 lbs. Performance -• Up to 24,000 lumens • 113 LPW (lumens/watt) Shielding (Four Lens Options) - High transmissive flat acrylic • Translucent sag polycarbonate • Prismatic drop acrylic lens • Conical drop acrylic lens Electrical -• Total input wattage of 220W • Replacement for 400W PSMH • Mid power LEDs for high LPW and low glare Universal voltage of 120VAC - 277VAC/50/60 Hz Certification -• Class I, Division 2, Gas Groups A, B, C and D · Built to UL 844 standard and certified by CSA • UL Sanitation Certified per NSF Standards IP66 Rated • T Code of T6 **()** Warranty -• Five years warranty (Terms and Conditions apply) **ORDERING INFORMATION** ORDERING EXAMPLE: CLH-4K-P95-U-ND-A-2-WH CLH Α Series CCT Lens Voltage Dimming Mounting Hub Color Options SERIES VOLTAGE MOUNTING OPTIONS CLH Classfied Location LED High Bay Universal Pendant C(y)HLP(x) Cord, Hook, Loop & Plug U А 120 Fusing 1 F(x) ССТ 2 208 HUB Notes: Replace [X] with the voltage, 1=120V, 4000K, 80 CRI 4К 2=208V. 3=240V and 4=277V, F=347V and З 240 2 3/4" NPS 5K 5000K, 80 CRI 5=480V 1" NPS 4 277 З <sup>4</sup>Replace (y) with the length. 4=4ft., 6=6ft., 8=8ft., 10=10ft., 12=12ft. 347V LENS 480V COLOR 5 P95 Acrylic P95 WН White SPC Sag Polycarbonate

#### **ELECTRIAL DATA**

Prismatic Drop Acrylic

Prismatic Conical Drop Acrylic

DLR

CDL

DIMMING

Non-Dimming

Continuous Dimming

ND

CD

PART NUMBER	TOTAL LUMENS	TOTAL WATTAGE	LUMENS/ WATT	SPACING RATIO	DRIVE CURRENT (MA)	120V	208V	AM 240V	IPS 277V	347V	480V	POWER FACTOR (@ 277V)	THD (@ 277V)	AMBIENT TEMP RANGE	DIMMING RANGE													
CLH-5K-P95	24628	218.1	112.9																									
CLH-5K-SPC	21636	217.6	99.4	1.2	0.70	1.85	1.06	0.92	0.81	0.63	0.47	Greater than	less than	-40°C to 40°C	100% to													
CLH-5K-DLR	22484	217.9	103.2		0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	1.65 1.0	1.00	0 0.92	1.92 0.01	0.03	0.47	0.97	10%	-40 C t0 40 C	10%
CLH-5K-CDL	23122	217.9	106.1	1.1																								

ΤN

Tan

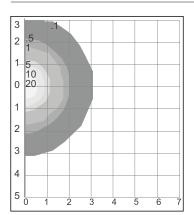
#### PHOTOMETRIC DATA: IES\_CLH\_5K\_CDL\_14 00864 | 1.05.15

### LUMINAIRE DATA

Luminaire-Food processing high bay with prismatic

conical drop						
DRIVER	LEDINTAO	024V41DL0				
Driver Factor		1.00				
Lamp		LED				
Lumens		23,122				
Watts		217.9				
Efficacy		106				
Mounting		Pendant/Hook				
Spacing Crite	rion (0-180)	1.10				
LUMINOUS	OPENING I	N FEET				
Length		1.17 ft. (Diameter)				
Width		1.17 ft. (Diameter)				
ZONE	LUMENS	% <b>FIXT.</b>				
0-20	3,316	14.3				
0-30	6,831	29.5				
0-40	10,939	47.3				
0-60	18,912	81.8				
0-80	22,769	98.5				
0-90	23,106	99.9				
0-180	23,122	100.0				

#### ISOMETRIC FOOT CANDLES



Distance In Units Of Mounting Height Values Based On 20 Foot Mounting Height

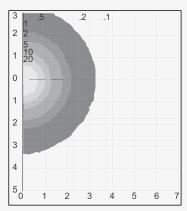
#### PHOTOMETRIC DATA: IES\_CLH\_5K\_P95\_15 00001 | 1.05.15

LUMINAIRE DAT

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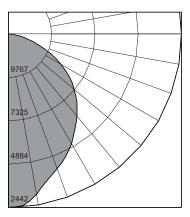
Luminaire-Fo acrylic froste	od processing d flat	high bay with				
DRIVER		024V41DL0				
Driver Factor		1.00				
Lamp		LED				
Lumens		24,627				
Watts		218.1				
Efficacy		113				
Mounting		Pendant/Hook				
Spacing Crite	erion (0-180)	1.24				
LUMINOUS	S OPENING	IN FEET				
Length		1.25 ft (Diameter)				
Width		1.25 ft (Diameter)				
ZONE	LUMENS	% <b>FIXT</b> .				
0-20	3,476	14.1				
0-30	7,342	29.8				
0-40	11,897	48.3				
0-60	20,252	82.2				
0-80	24,356	98.9				
0-90	24,627	100.0				
0-180	24,627	100.0				

ISOMETRIC FOOT CANDLES



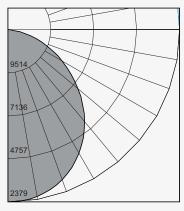
Distance In Units Of Mounting Height Values Based On 20 Foot Mounting Height

#### POLAR GRAPH



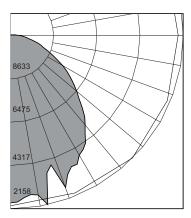
Maximum Candela = 9767 Located At Horizontal Angle = 0, Vertical Angle = 0

#### POLAR GRAPH



Maximum Candela = 9514 Located At Horizontal Angle = 0, Vertical Angle = 0

#### POLAR GRAPH



Maximum Candela = 8633 Located At Horizontal Angle = 45, Vertical Angle = 12.5

#### PHOTOMETRIC DATA: IES\_CLH\_5K\_DLR\_14 00863 | 1.05.15

#### LUMINAIRE DATA

#### CLH-5K-DLR

0-180

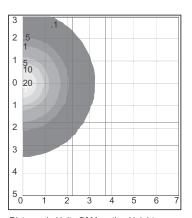
Luminaire-Food processing high bay with prismatic

drop lens						
DRIVER	LEDINTAO	024V41DL0				
Driver Facto	r	1.00				
Lamp		LED				
Lumens		22,484				
Watts		217.9				
Efficacy		103				
Mounting		Pendant/Hook				
Spacing Crit	erion (0-180)	1.24				
LUMINOU	s opening i	N FEET				
Length		1.17 ft (Diameter)				
Width		1.17 ft (Diameter)				
ZONE	LUMENS	% <b>FIXT</b> .				
0-20	2,926	13.0				
0-30	6,281	27.9				
0-40	10,305	45.8				
0-60	17,455	77.6				
0-80	21,279	94.6				
0-90	21,992	97.8				

22,484

100.0

ISOMETRIC FOOT CANDLES



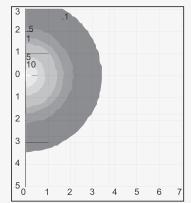
Distance In Units Of Mounting Height Values Based On 20 Foot Mounting Height

## **CLH SERIES - CLASSIFIED LOCATION HIGH BAY**

# PHOTOMETRIC DATA: IES\_CLH\_5K\_SPC\_14 00862 | 1.05.15 LUMINAIRE DATA CLH-5K-SPC

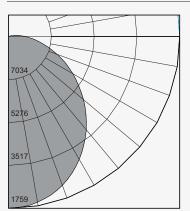
Luminaire-Food processing high bay with "frosted"
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sage lens						
DRIVER	LEDINTAO	024V41DL0				
Driver Factor		1.00				
Lamp		LED				
Lumens		21,636				
Watts		217.6				
Efficacy		99				
Mounting		Pendant/Hook				
Spacing Criter	ion (0-180)	1.24				
LUMINOUS	OPENING I	N FEET				
Length		1.17 ft (Diameter)				
Width		1.17 ft (Diameter)				
ZONE	LUMENS	% <b>FIXT</b> .				
0-20	2,559	11.8				
0-30	5,401	25.0				
0-40	0.700	10.0				
0-40	8,780	40.6				
0-40	8,780 15,417	40.6 71.3				
0-60	15,417	71.3				



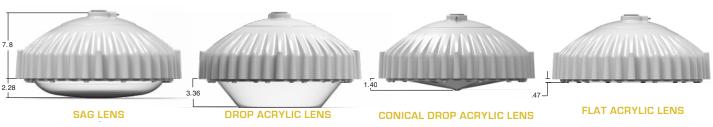
Distance In Units Of Mounting Height Values Based On 20 Foot Mounting Height

#### POLAR GRAPH

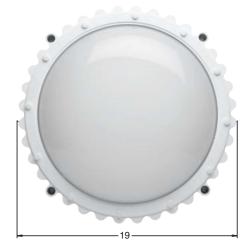


Maximum Candela = 7034 Located At Horizontal Angle = 0, Vertical Angle = 0

#### LENS OPTIONS



DIMENSIONS





#### **PROJECTED LUMEN MAINTENANCE**

	TM21	Estimated Life
L70	>60,000	206,000
L90	57,000	57,000

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