FPH SERIES FOOD PROCESSING HIGH BAY



CAT.#		APPROVALS
JOB	ТҮРЕ	

SPECIFICATIONS

Applications -

The Hubbell Industrial FPH Series is ideal for food processing facilities that demand a well-sealed high bay capable of replacing 400W MH high bays on a one-for-one basis. Its cast aluminum construction and non-glass lens options fit the requirements of most food processing facilities.

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 -

- · Built to UL 1598 standard and certified by CSA
- UL Sanitation Certified per NSF Standards
- Wet Location Listed
- IP66 Rated

Warranty -

Five years warranty (Terms and Conditions apply)









ORDERING INFORMATION ORDERING EXAMPLE: FPH-4K-P95-U-A-2-WH **FPH** ССТ Mounting Series Lens Voltage Dimming Hub Color Options SERIES **VOLTAGE** MOUNTING **OPTIONS** FPH Food Processing LED High Bay U Universal Pendant C(y)HLP(x) Cord, Hook, Loop & Plug Α 120 F(x) Fusing CCT 208 HUB SP Surge Protector 4000K, 80 CRI 4K 3/4" NPS 240 3 Note: 5000K, 80 CRI 5К 4 277 3 1" NPS Notes: Replace (X) with the voltage, 1=120V, 347V 2=208V. 3=240V, 4=277V, F=347V and LENS 5=480V 480V P95 Acrylic P95 ⁴Replace (y) with the length. 4=4ft., 6=6ft., 8=8ft., 10=10ft., 12=12ft. WH White SPC Sag Polycarbonate DIMMING GR Grey DLR Prismatic Drop Acrylic ND Non-Dimmina CDL Prismatic Conical Drop Acrylic CD Continuous Dimming

ELECTRIAL DATA

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
FPH-5K-P95	24628	218.1	112.9												
FPH-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
FPH-5K-DLR	22484	217.9	103.2		0.70	1.85	1.06	0.92	0.81	0.63	0.47	0.97	10%	-40°C to 40°C	10%
FPH-5K-CDL	23122	217.9	106.1	1.1											

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PHOTOMETRIC DATA: IES_FPH_5K_CDL_14 00864 | 1.05.15

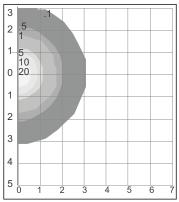
LUMINAIRE DATA

FPH-5K-CDL

Luminaire-Food processing high bay with prismatic

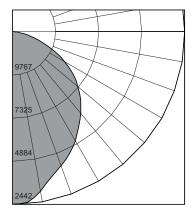
conical dro	ip .	
DRIVER	LEDINTAO	024V41DL0
Driver Fact	tor	1.00
Lamp		LED
Lumens		23,122
Watts		217.9
Efficacy		106
Mounting		Pendant/Hook
Spacing Cr	iterion (0-180)	1.10
LUMINO	US OPENING I	N FEET
Length		1.17 ft. (Diameter)
Width		1.17 ft. (Diameter)
ZONE	LUMENS	% FIXT.
0-20	3,316	14.3
0-30	6,831	29.5

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

PHOTOMETRIC DATA: IES_FPH_5K_P95_15 00001 | 1.05.15

47.3

81.8

98.5

99.9

100.0

LUMINAIRE DATA

FPH-5K-P95

0-40

0-60

0-80

0-90

0-180

Luminaire-Food processing high bay with acrylic frosted flat

10,939

18,912

22,769

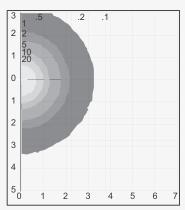
23,106

23,122

aci yiic ii osteu iiat	aci yile ii osteu iiat				
DRIVER LEDINTAC	0024V41DL0				
Driver Factor	1.00				
Lamp	LED				
Lumens	24,627				
Watts	218.1				
Efficacy	113				
Mounting	Pendant/Hook				
Spacing Criterion (0-180)	1.24				
LUMINOUS OPENING IN FEET					
Length	1.25 ft (Diameter)				

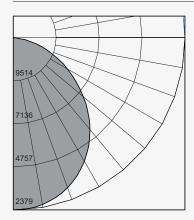
V V ICIOI I		1.E0 10 (Didifficien)		
ZONE	LUMENS	% FIXT.		
0-20	3,476	14.1		
0-30	7,342	29.8		
0-40	11,897	48.3		
0-60	20,252	82.2		
0-80	24,356	98.9		
0-90	24,627	100.0		
0-180	24,627	100.0		

ISOMETRIC FOOT CANDLES



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

POLAR GRAPH



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

PHOTOMETRIC DATA: IES_FPH_5K_DLR_14 00863 | 1.05.15

1.25 ft (Diameter)

LUMINAIRE DATA

FPH-5K-DLR

Width

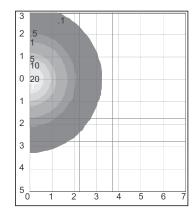
Luminaire-Food processing high bay with prismatic

arop iens	
DRIVER LEDINT	A0024V41DL0
Driver Factor	1.00
Lamp	LED
Lumens	22,484
Watts	217.9
Efficacy	103
Mounting	Pendant/Hook
Spacing Criterion (0-180	0) 1.24

LOIVIII 4000 OI L	TAILAG HATEET
Length	1.17 ft (Diameter)
Width	1.17 ft (Diameter)

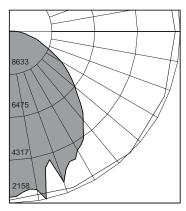
ZONE	LUMENS	% FIXT.
0-20	2,926	13.0
0-30	6,281	27.9
0-40	10,305	45.8
0-60	17,455	77.6
0-80	21,279	94.6
0-90	21,992	97.8
0-180	22,484	100.0

ISOMETRIC FOOT CANDLES



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

POLAR GRAPH



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

FPH SERIES - FOOD PROCESSING HIGH BAY

PHOTOMETRIC DATA: IES_FPH_5K_SPC_14 00862 | 1.05.15

LUMINAIRE DATA

FPH-5K-SPC

Luminaire-Food processing high bay with "frosted"

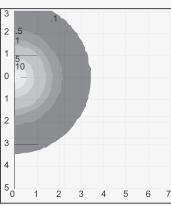
sage	lens

sage lens	
DRIVER LEDINTA	0024V41DL0
Driver Factor	1.00
Lamp	LED
Lumens	21,636
Watts	217.6
Efficacy	99
Mounting	Pendant/Hook
Spacing Criterion (0-180)	1.24

LUMINOUS OP	NING IN FEET
Length	1.17 ft (Diameter)

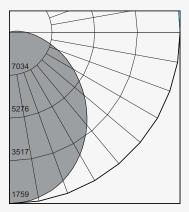
Width		1.17 ft (Diameter)
ZONE	LUMENS	% FIXT.
0-20	2,559	11.8
0-30	5,401	25.0
0-40	8,780	40.6
0-60	15,417	71.3
0-80	19,800	91.5
0-90	20,890	96.6
0-180	21,636	100.0

ISOMETRIC FOOT CANDLES



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

POLAR GRAPH

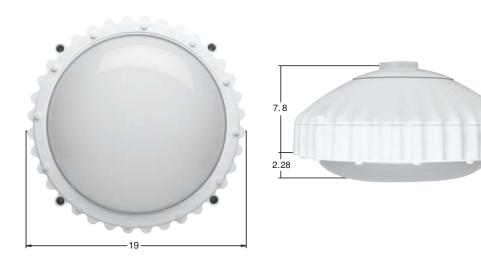


Maximum Candela = 7034 Located At Horizontal Angle = 0, Vertical Angle = 0

LENS OPTIONS



DIMENSIONS



PROJECTED LUMEN MAINTENANCE

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

For more information visit our web site: $\underline{\text{http://www.hubbellindustrial.com/}}$ Phone: 1-864-678-1000

