



NHL-LHBF2-420W-XXK-UNV-DLR/OL

LED HIGH BAY FIXTURE

DESCRIPTION

Complete Compact LED High Bay Fixture

APPLICATION

Used for commercial and industrial high bay lighting applications



5 YEAR
WARRANTY

PRODUCT FEATURES

- Architectural grade compact design
- Designed to accept easy screw-in installation of optional sensors via 1/2" threaded receptacle in driver cover
- Compatible with emergency LED drivers (see accessories section for details)
- Powered by 0–10V dimming LED drivers with 12V Aux
- Frosted lens eliminates glare
- V-hook and chain mounting accessories included UL Listed 1598: Suitable for dry and damp locations
- Ambient operating temperature: –20°C/–4°F to 50°C/122°F
- THD: < 20%
- PF: > 0.90
- LED chip lifetime: L70 >100,000 hrs @ 25°C/77°F ambient fixture temp.

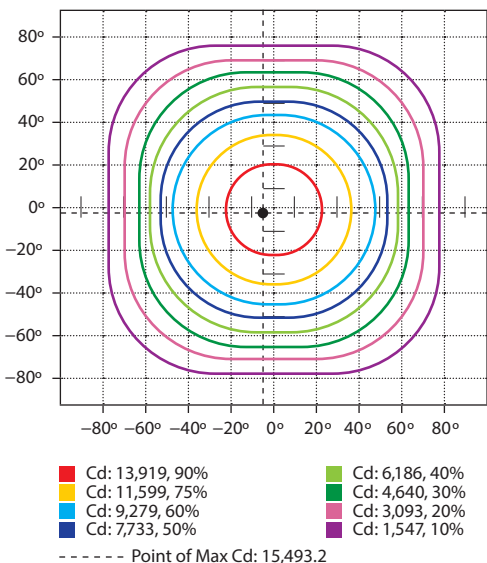
Note: This LED light fixture is not suitable for use in applications where there is presence of caustic or corrosive chemicals in the environment / facility (Including, but not limited to, various sulfuric and hydrochloric acids, sodium hydroxide, chlorine, degreasing solvents like acetone and methyl ethyl ketone, ammonia, and hydrogen peroxide) See disclaimer on warranty statement for more details. Please consult with us for additional information if this may be a concern.

PERFORMANCE SPECIFICATIONS

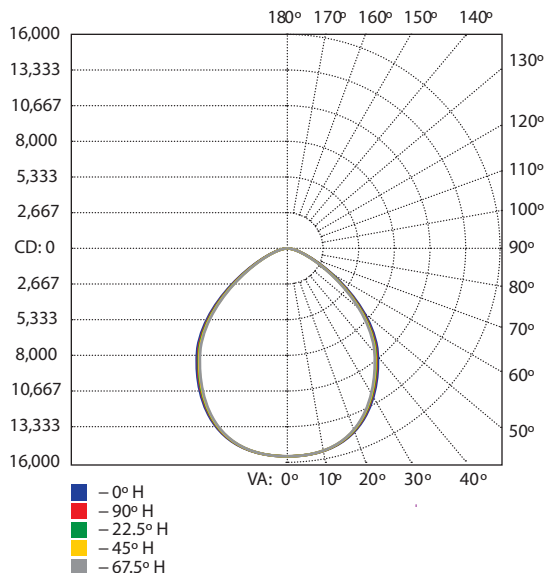
CATALOG NUMBER	NOMINAL LENGTH	INPUT VOLTAGE	CCT	WATTAGE	LUMEN OUTPUT	EFFICACY	CRI	POWER FACTOR	LIFETIME
KT-HBLE420-4F-840-VDIM-P /G2	4 ft.	120-277V	4000K	420W	63,000lm	150lm/W	> 80.0	>0.90	50,000 hrs
KT-HBLE420-4F-850-VDIM-P /G2	4 ft.	120-277V	5000K	420W	63,420lm	151lm/W	> 80.0	>0.90	50,000 hrs

PHOTOMETRIC SPECIFICATIONS

ISOCANDELA PLOT



POLAR CANDELA DISTRIBUTION



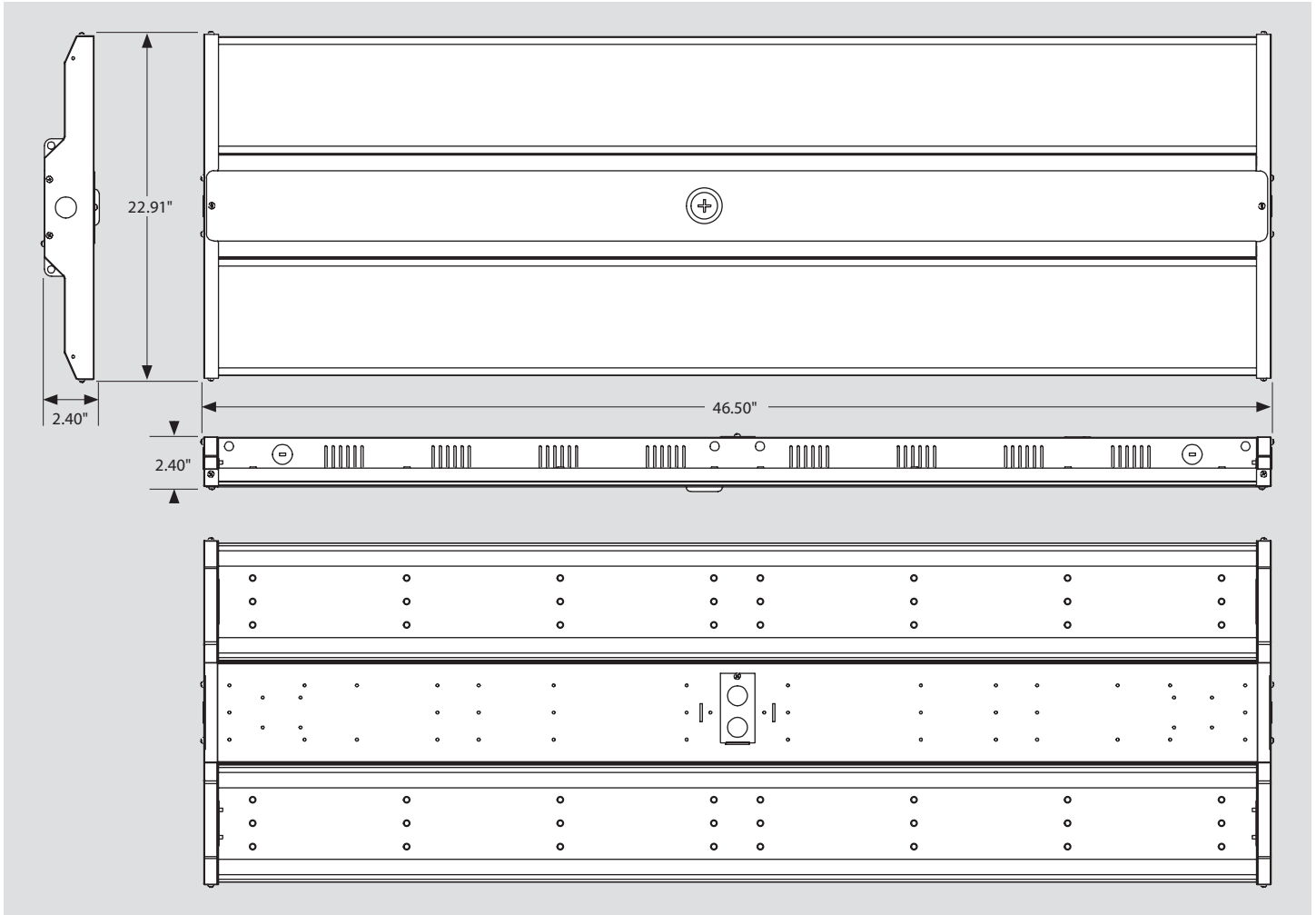
ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
0–30	11,866.4	30.20%
0–40	19,231.1	48.90%
0–60	32,518.5	82.70%
60–90	6,685.2	17.00%
70–100	2,596.9	6.60%
90–120	31.0	0.10%
0–90	39,203.8	99.70%
90–180	110.2	0.30%
0–180	39,313.9	100%

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PHYSICAL SPECIFICATIONS





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ACCESSORIES

SENSORS AND CONTROLLERS

Factory-Installable OR Field-Installable (field-installable purchased separately)

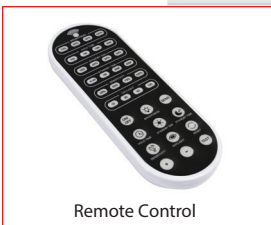
✓	SUFFIX*	CATALOG NUMBER	DESCRIPTION		
	/HBFC1	NHL-HBFC1	Smart Loop Bluetooth mesh PIR occupancy sensor with built-in fixture controller		
	/FC3	NHL-FC3	Smart Loop Bluetooth mesh screw-in PIR occupancy sensor with built-in fixture controller. No wiring required.		
	/FC4	NHL-FC4	Smart Loop Bluetooth mesh screw-in low voltage fixture controller, 12V, 0-10V Dimming		
	/SEND	NHL-SEND	PIR sensor for high bay fixtures; Preset for 5 min hold time, 10 min standby time at 10% dim, daylight disabled		
	/SENA	NHL_SENA	Smart Port PIR sensor for high bay fixtures; Preset for 1 min hold time, 3 min standby time at 30% dim, daylight disabled		
	/SENB	NHL-SENB	Smart Port PIR sensor for high bay fixtures; Preset for 5 min hold time, 10 min standby time at 10% dim, daylight disabled		
	/MW3-A	NHL-MW3-A	Smart Port Microwave Occupancy sensor for high bay fixtures; Preset for 1 min hold time, 3 min standby time at 30% dim, daylight disabled		
	/MW3-B	NHL-MW3-B	Smart Port Microwave Occupancy sensor for high bay fixtures; Preset for 5 min hold time, 10 min standby time at 10% dim, daylight disabled		



* For factory installation of accessory, add suffix to fixture part number (see ordering examples and instructions on last page of spec sheet).

Field-Installable / Field-Use ONLY (purchased separately)

CATALOG NUMBER	DESCRIPTION		
NHL-SEN-RC	Remote control for MW3- /A or /B and SEN/A or /B sensors. Used to set and adjust all sensor settings, including high-end trim brightness, sensitivity, hold time, daylight threshold, stand-by time, and stand-by dimming level.		



(Accessories continued on next page)

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ACCESSORIES (continued)

EMERGENCY BACKUP

Factory-Installable OR Field-Installable (field-installable purchased separately)

<input checked="" type="checkbox"/>	SUFFIX*	CATALOG NUMBER	DESCRIPTION
	/EM80 †	NHL-BLEDEM-CP-800	5W 800 Lumen Constant Power EM backup with flex cable
	/EM12 †	NHL-BLEDEM-CP-1200	8W 1200 Lumen Constant Power EM backup with flex cable
	/EM24 †	NHL-BLEDEM-CP-2400	17W 2400 Lumen Constant Power EM backup with flex cable



* For factory installation of accessory, add suffix to fixture part number (see ordering examples and instructions on last page of spec sheet).

† Factory installation of emergency backup units will automatically include any relevant mounting bracket.

FIXTURE ORDERING INFORMATION

ORDER CODE	PACK QTY.			
NHL-LHBF2-420W-40K-UNV-DLR/OL	1			
NHL-LHBF2-420W-50K-UNV-DLR/OL	1			

FIXTURE CATALOG NUMBER BREAKDOWN

NHL-LHBF2-420W-XXK-UNV-DLR/OL

- 1
- 2
- 3
- 4
- 5
- 6

- 1 New Horizon Lighting
- 2 LED High Bay Fixture
- 3 Wattage
- 4 Color Temperature
- 5 0-10V Dimming
- 6 Frosted Lens

(Accessories continued on next page)

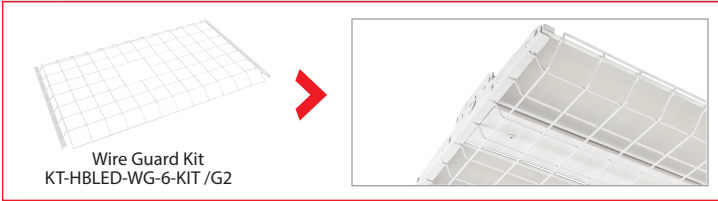
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ACCESSORIES (continued)

MOUNTS AND BRACKETS

Factory-Installable OR Field-Installable (field-installable purchased separately)

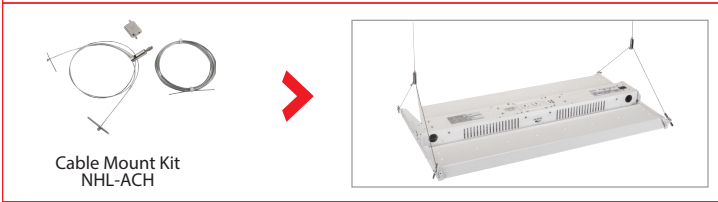
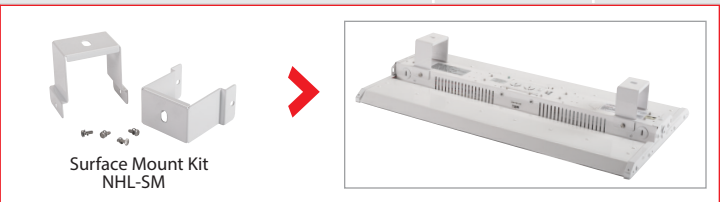
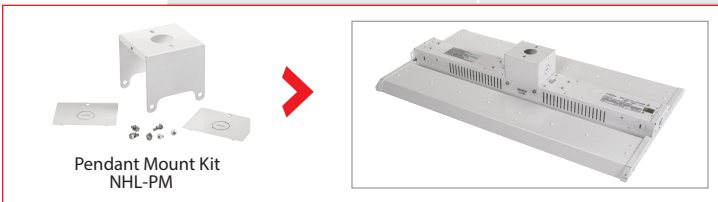
✓	SUFFIX*	CATALOG NUMBER	DESCRIPTION
	/WG	NHL-WG	Wire guard kit for 4.0' /G2 linear LED high bay fixtures (420W)



* For factory installation of accessory, add suffix to fixture part number (see ordering examples and instructions on last page of spec sheet).

Field-Installable / Field-Use ONLY (purchased separately)

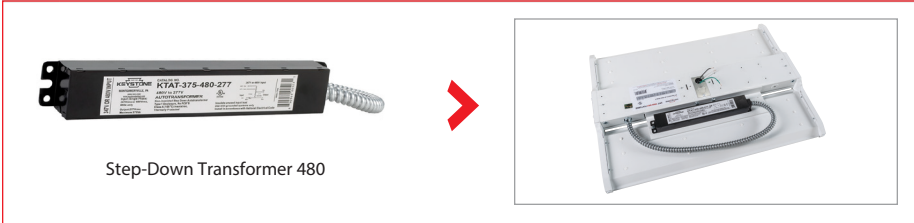
CATALOG NUMBER	DESCRIPTION
NHL-PM	Pendant mount kit for LED high bay fixtures
NHL-SM	Surface mount kit for LED high bay fixtures
NHL-ACH	Aircraft cable hanging kit for LED high bay fixtures



STEP-DOWN TRANSFORMERS

Factory-Installable OR Field-Installable (field-installable purchased separately)

✓	SUFFIX*	CATALOG NUMBER	DESCRIPTION
	/480 †‡ §	480	Fully enclosed, single flex step-down transformer for LED high bay fixtures with wattage lower than 250VA



* For factory installation of accessory, add suffix to fixture part number (see ordering examples and instructions on last page of spec sheet).

† Factory installation of step-down transformer units will automatically include any relevant mounting bracket.

‡ Step-down transformers cannot be ordered in conjunction with standard SJTOW cord set options (contact our sales rep for available custom options if needed).

§ 420W fixture requires two step-down transformers