

CATALOG #: _____

TYPE: _____

PROJECT: _____



FEATURES

- Deliver scalable, data-driven smart buildings with PoE-enabled fixtures and controls
- Aluminum housing for maximum heat dissipation
- Quick-wire access plate in back of fixture housing for easy installation
- Narrow distribution and upright options provide precise illumination
- Shallow fixture depth of less than 4" allows fixture placement near the ceiling for maximum space utilization and reduces damage incurred from material handling equipment
- Maximize energy savings with efficacies as high as 161 lm/W
- Made Right Here® in the USA

SPECIFICATIONS

- **HOUSING** – Die-formed aluminum housing.
- **FINISH** – 92% minimum average reflective white polyester powder coat bonded to phosphate-free, multi-stage pretreated metal. All parts painted after fabrication to facilitate installation, increase efficiency, and inhibit corrosion.
- **ELECTRICAL** – High-quality mid-power LED boards. L70 at 50,000 hours. Low-voltage DC fixture, to be fed by Class 2 power supply.
- **MOUNTING** – Suspended. Indoor applications only.
- **LISTINGS** –
 - cCSAus certified as luminaire suitable for dry or damp locations.
 - Complies with the Buy American Act and other federal regulations. Request certification at hew.com/baa.
- **WARRANTY** – 5-year limited warranty, see www.hew.com/warranty.

SYSTEM REQUIREMENTS

- PoE-ready luminaires are connected to building power systems through network integration and require other components for complete PoE lighting system
- For additional PoE info, see hew.com/poe

ORDERING EXAMPLE: GL - 4 - P220/840 - OPTIONS - POE PR

ORDERING INFO

SERIES	LENGTH	LUMENS ^[1]	CRI	CCT
GL	4 4'	P160 16,000lm	8 80	30 3000K
		P220 22,000lm	9 90 ^[2]	35 3500K
				40 4000K
				50 5000K

OPTIONS ^[3]

- ND** Narrow distribution ^[5]
- WGC11 F&I** 11-gauge wireguard, white powder coated, factory-installed ^[6]
- WGC11** 11-gauge wireguard, white powder coated, field-installed ^[7]
- VBY** (2) Y-hangers
- VBY-2** (2) Y-hangers with 2' chains
- GC2/Y18/5** (2) Cable suspension kits, 5' length
- GC2/Y18/10** (2) Cable suspension kits, 10' length
- 3SB** (2) 3" spacer brackets
- HUB MT 3/4"** Cast iron hub and junction box for single 3/4" pendant mount ^[8]
- HUB/HOOK MT** Cast iron hub with mounting hook ^[9]
- HOOK/CABLE** Hook and cable mounting kit, 10'
- PHSCHA118** Piano hinge steel door frame, clear, high-temperature, non-prismatic acrylic, .118" thick
- PHSAF118** Piano hinge steel door frame, non-prismatic diffuse acrylic, .118" thick
- SCHA118** Steel door frame, clear, high-temperature, non-prismatic acrylic, .118" thick
- SAF118** Steel door frame, non-prismatic diffuse acrylic, .118" thick
- SAF12125** Steel door frame, frosted acrylic #12, .125" thick

CONTROL ^[4]

- POE PR** Power over Ethernet-ready

NOTES

- ¹ Lumen output based on 80 CRI/4000K CCT. Actual performance may vary +/-5%, see page 2 for FIXTURE PERFORMANCE DATA.
- ² Extended lead times may apply. Consult factory for availability.
- ³ See page 3 for MOUNTING DETAILS. See [Technical Info](#) for occupancy sensor options.
- ⁴ For additional PoE connection details, consult factory.
- ⁵ Not available with lens options.
- ⁶ Not for use with door frame accessories.
- ⁷ Shipped separately.
- ⁸ Shipped separately.
- ⁹ Shipped separately.



FIXTURE PERFORMANCE DATA

LED PACKAGE	DELIVERED LUMENS	WATTAGE	EFFICACY (lm/W)	NARROW DISTRIBUTION (ND) OPTION		
				DELIVERED LUMENS	WATTAGE	EFFICACY (lm/W)
P160 ¹	16098	100.0	161	15776	100.0	158
P220 ²	22116	146.3	151	21673	146.3	148

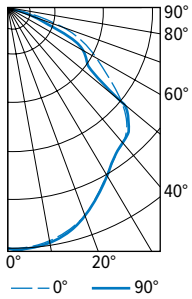
- ¹ Fixture contains two nodes, one power drop per node required.
- ² Fixture contains three nodes, one power drop per node required.
- Photometrics tested in accordance with IESNA LM-79. Results based on 80 CRI/4000K CCT and 25°C ambient temperature. Actual performance may vary +/-5%.
- Use multiplier tables to calculate additional options.

MULTIPLIER TABLE

	COLOR TEMPERATURE	
	CCT	CONVERSION FACTOR
80 CRI	3000K	0.96
	3500K	0.97
	4000K	1.00
	5000K	1.03
90 CRI	3000K	0.79
	3500K	0.80
	4000K	0.83
	5000K	0.86

PHOTOMETRY

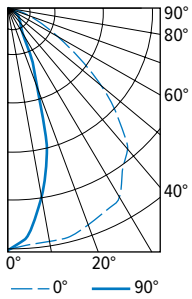
GL-4-P220/840 Total Luminaire Output: 22116 lumens; 146.3 Watts | Efficacy: 151 lm/W | 80 CRI; 4000K CCT



CANDLEPOWER DISTRIBUTION	VERTICAL ANGLE	HORIZONTAL ANGLE			ZONAL LUMENS
		0°	45°	90°	
	0	8083	8083	8083	
	5	8059	8066	8073	768
	15	7883	7919	7943	2215
	25	7148	7205	7158	3302
	35	6277	6287	6311	3974
	45	5686	5706	5790	4367
	55	4268	4455	2977	3626
	65	2950	2112	2146	2490
	75	1391	1131	697	1140
	85	250	170	187	234
	90	0	0	0	

LUMEN SUMMARY	ZONE	LUMENS	% FIXTURE
	0 - 30	6285	28
	0 - 40	10260	46
	0 - 60	18252	83
	0 - 90	22116	100
	0 - 180	22116	100

GL-4-P220/840-ND Total Luminaire Output: 21673 lumens; 146.3 Watts | Efficacy: 148 lm/W | 80 CRI; 4000K CCT

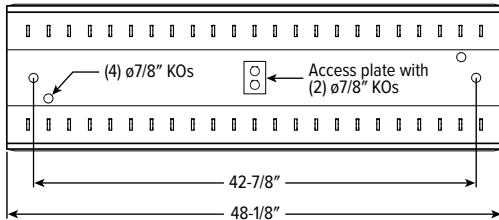


CANDLEPOWER DISTRIBUTION	VERTICAL ANGLE	HORIZONTAL ANGLE			ZONAL LUMENS
		0°	45°	90°	
	0	21858	21858	21858	
	5	21370	20859	20415	1941
	15	20911	16449	13474	4625
	25	20304	9087	5269	4948
	35	18099	3263	1939	3892
	45	14629	1561	1154	2824
	55	8132	940	703	1823
	65	3626	525	533	1023
	75	1087	355	296	489
	85	140	44	44	107
	90	0	0	0	

LUMEN SUMMARY	ZONE	LUMENS	% FIXTURE
	0 - 30	11515	53
	0 - 40	15406	71
	0 - 60	20053	93
	0 - 90	21673	100
	0 - 180	21673	100

FIXTURE DETAILS

BACKVIEW

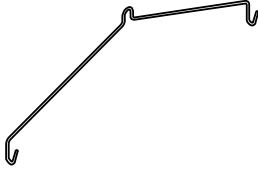


MOUNTING DETAILS

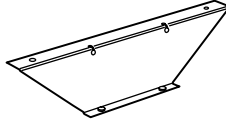
GC2/Y18/_



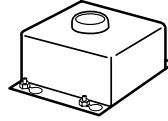
VBY | VBY-2



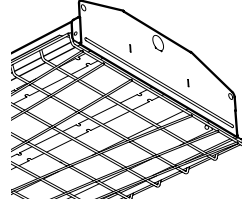
3SB SPACER BRACKET



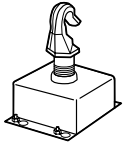
HUB MT 3/4"



WGC11



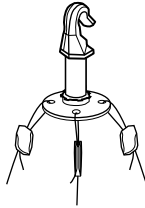
HUB/HOOK MT



Mounting hook with safety screw allows easy replacement of existing HID fixtures. Hook attaches to the fixture with 3/4" cast iron hub and junction box.

A 10' long aircraft cable and Y style hanger with toggle clips are factory furnished for leveling fixture from single support.

HOOK/CABLE



Hook and 10' cable mounting kit. Mounting hook is secured to the structure by eye bolt or loop (furnished by others).

Attached at the base of the hook is a circular mounting plate with four (4) 10' adjustable cables, oriented in 90° intervals, suspended below.

