

LOW-PROFILE INDUSTRIAL

GL

PoE

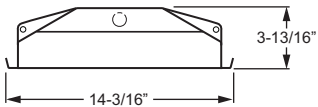
CATALOG #:	TYPE:
PROJECT:	NOTES:

EXAMPLE → **GL - 4 - P220/840 - OPTIONS - POEN**

SERIES NOMINAL LENGTH LUMEN PACKAGE CRI & CCT OPTIONS/ACCESSORIES CONTROL



CROSS SECTIONS



ORDERING INFORMATION

SERIES
GL Low-Profile Industrial – PoE

NOMINAL LENGTH
 4 4'

LED PACKAGE

EXAMPLE: P220/840		
LUMEN PACKAGE	NOMINAL LUMENS	WATTAGE
P160	16,000	100
P220	22,000	146

Nominal lumen output based on 4000K for CCT. Actual lumens may vary +/-5%, see fixture performance data.

CRI & CCT

827	82 CRI, 2700K
830	82 CRI, 3000K
835	82 CRI, 3500K
840	82 CRI, 4000K
850	82 CRI, 5000K

OPTIONS
 For occupancy sensor options, see [Technical Info](#).
ND Narrow distribution
WGC11 F&I Factory-installed wireguard, 11-gauge, white powder coated (not for use with door frame accessories)

OPTIONS
EM/CP12 Remote mount 12-watt Iota emergency LED battery (requires one additional category cable run to switch, see page 2 for details.)

ACCESSORIES
 See [hew.com/poe](#) for compatible sensors & switches. For accessory details, see [Technical Info](#).
WGC11 Field-installed wireguard, 11-gauge, white powder coated (ships separately)
VBV (2) Y-hangers
VBV-2 (2) Y-hangers and (2) 2' chains
GC2/Y18/5 Cable suspension kit, 5' length (1 pair)
GC2/Y18/10 Cable suspension kit, 10' length (1 pair)
3SB 3" spacer bracket (1 pair)
HUB MT 3/4" Cast iron hub and junction box for single 3/4" pendant mount (shipped not attached)
HUB/HOOK MT Cast iron hub with mounting hook (shipped not attached)
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
 For additional PoE info, see [hew.com/poe](#)
POEN Power over Ethernet network node

FEATURES

- ▶ Williams turn-key Power over Ethernet (PoE) solution provides plug-and-play networked lighting and control.
- ▶ Efficacies up to 161 lm/W.
- ▶ Aluminum housing for maximum heat dissipation.
- ▶ Quick-wire access plate in back of fixture housing for easy installation.
- ▶ Narrow distribution option provides tailored performance.
- ▶ 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.
- ▶ This fixture is proudly made in the USA.

SYSTEM REQUIREMENTS

- Lighting system (site software)
- Gateway or alternate server (runs software)
- PoE switches or Ethernet switches and mid-span power injectors
- See [hew.com/poe](#) for details



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 board. L70 > 50,000 hours per IES TM-21. Low-voltage DC fixture, to be fed by Class 2 power supply.

Mounting – Suspended.

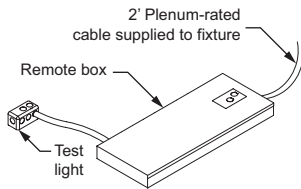
Labels – cCSAus certified as luminaire suitable for dry or damp locations.

Warranty – 5-year limited warranty, see www.hew.com/warranty.

IMPORTANT:

Electrostatic sensitive unit. Observe precautions when handling.

REMOTE MOUNT EM OPTION DETAILS



Includes 2' plenum rated 18ga. solid cable. Remote box can be installed in:

- Above ceiling grid
- Remote closet (within 100ft)
- Surface below ceiling

See [Technical Info](#) for dimension details.

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	161.0	15776	100.0	157.8
P220 ²	22116	146.3	151.1	21673	146.3	148.0

¹ Fixture contains two nodes, one power drop per node required.

² Fixture contains three nodes, one power drop per node required.

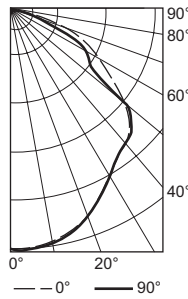
- Photometrics tested in accordance with IESNA LM-79. Results shown are based on 25°C ambient temperature.
- Results based on 4000K, 80 CRI, actual lumens may vary +/-5%
- Use multiplier table to calculate additional options.

MULTIPLIER TABLE

COLOR TEMPERATURE	
CCT	CONVERSION FACTOR
2700K	0.94
3000K	0.96
3500K	0.97
4000K	1.00
5000K	1.03

PHOTOMETRY

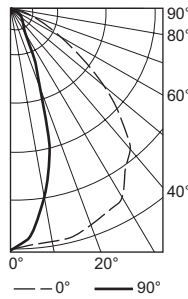
GL-4-P220/840 Total Luminaire Output: 22116 lumens; 146.3 Watts | Efficacy: 151 lm/W | 83 CRI; 4082K CCT



CANDLEPOWER DISTRIBUTION	Vertical Angle	Horizontal Angle			Zonal Lumens
		0°	45°	90°	
0	0	8083	8083	8083	
5	5	8059	8066	8073	768
15	15	7883	7919	7943	2215
25	25	7148	7205	7158	3302
35	35	6277	6287	6311	3974
45	45	5686	5706	5790	4367
55	55	4268	4455	2977	3626
65	65	2950	2112	2146	2490
75	75	1391	1131	697	1140
85	85	250	170	187	234
90	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 | 83 CRI; 4001K CCT



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

BACK VIEW

