

# WORKHORSE

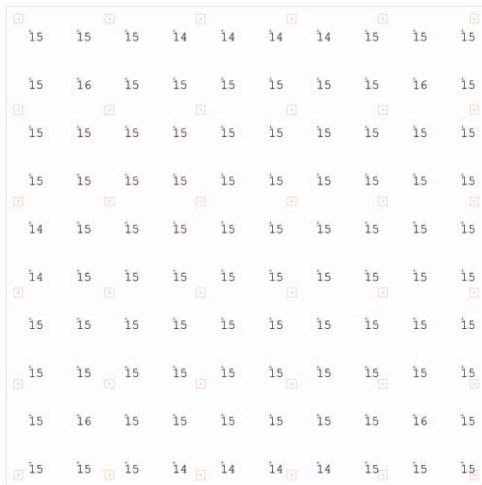
The **WORKHORSE** Luminaire featuring Light Emitting Plasma™



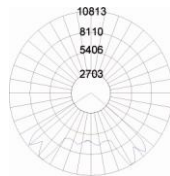
- ✓ 23,000 Source Lumens
- ✓ Energy Efficient: 72 Lumens/Watt
- ✓ Long Life – 50,000 hours
- ✓ Color Rendering of 75 CRI
- ✓ Compact Emitting Area
- ✓ Forward Directional Output
- ✓ Dimmable to 20%
- ✓ Rapid Start
- ✓ Digital or Analog Controllability

An ideal lighting fixture for Manufacturing, Warehouses, and other high illuminance applications. Replaces 400W metal halide and HPS, 1000W mercury vapor, and 1500W incandescent lighting fixtures without the need for new wiring or changed spacing. The head has a tilt adjustable option; the body features a compact design; and the electrical components are IP67 rated.

WORKHORSE HIGHBAY @ 30'

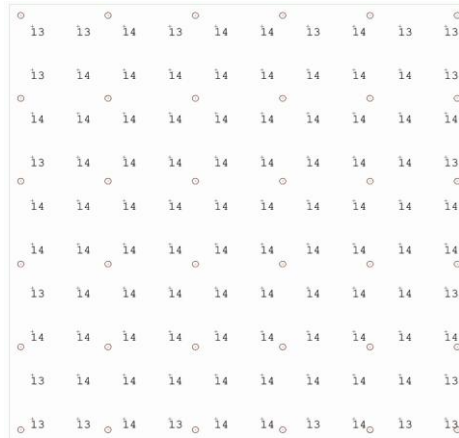


CALC PTS  
Illuminance (Fc)  
Average=14.94  
Maximum=16  
Minimum=14  
Avg/Min=1.07  
Max/Min=1.14

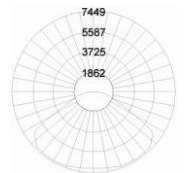


36 LUMINAIRES USED 280W – TOTAL 10,080W

STANDARD 400W METAL HALIDE HIGHBAY @ 30'



CALCPTS  
Illuminance (Fc)  
Average=13.08  
Maximum=14  
Minimum=13  
Avg/Min=1.06  
Max/Min=1.08



36 LUMINAIRES USED 470W – TOTAL 19,920W

## Control Options

Stray Light fixtures can be purchased with multiple control options. We offer integration options for existing systems as well as our own custom solution which allows control through mobile devices such as your phone!





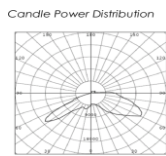
**Part Description**

<b>Workhorse</b>	
Length	408mm/16.1"
Width	286mm/11.3"
Height	172mm/6.8"
Weight	19 lbs
Operating Temperature	-40 to 45°C
Rated Average Life	50,000 hours
Source Lumens	23,000 lumens
Fixture Lumens	20,000 lumens
Voltage	100-277V
	480V Optional
Typical Turn-On Time	45 seconds
CCT	5,500K
CRI	75
Dimming Range <sup>1</sup>	20-100%
Nominal AC Power	295 watts @208V
Current @ 120v	<2.6A
Current @277v	<1.1A
Current @ 480v	<0.65A
Power Factor	0.99

Compliance Testing	
Safety, Lamp (US)	UL1029
Safety, Lamp (EU)	EN61347-1:2008 EN60347-2-9:2009
Safety, Fixture (US)	CSA C22.2 No.250.0-08 UL1598 3 <sup>rd</sup> Ed.
Photometric, Lamp and Fixture	IESNA LM-79
EMC	CISPR22/FCC Part 18 Class A
Materials, Lamp	RoHS

Mounts:	Rod, Stem, Hook 20-50 ft high
Lens:	Tempered Glass
Housing:	Aluminum

Fixture	Source	Reflector	Lens	Voltage	Color	Cord Set	Control	Head Bracket
WRK	411 <sup>1</sup> (23000 Lumens 75 CRI) 280W	C1 (Octagonal)	C <sup>1</sup> (Clear)	1 <sup>1</sup> (100-277 VAC)	BL <sup>1</sup> (Black)	00 <sup>1</sup> (No Cord)	Shipped installed to fixture	Shipped installed to fixture
	412 (17000 lumens 95 CRI) 280W	S1 (60x60)	S (Solite)	2 (277-480 VAC)	BZ (Bronze)	C1 (8', 5-15P Cord Set)	000 <sup>1</sup> (No Controls)	S <sup>1</sup> (Standard)
	321 (14000 lumens 75 CRI) 230W	S2 (90x90)	P (Prismatic)		WH (White)	C2 (12', 5-15P Cord Set)	100 (Power Switch)	H <sup>2</sup> (Hinge)
	251 (10000 lumens 75 CRI) 160W	S3 (120x120)			GY (Gray)	C3 (12', 6-15P Cord Set)	010 (Dimmer)	P <sup>3</sup> (3/4" NPT)
		R1 (90x60)			XX (Custom)	C4 (12', L5-15P Cord Set)	001 (Terminal Block)	Z (Custom)
		R2 (120x60)					110 (Power Switch, Dimmer)	
		R3 (Aisleway)					101 (Power Switch, T-Block)	
							011 (Dimmer, T-Block)	
							111 (Power Switch, Dimmer, T-Block)	
							XXX <sup>4</sup> (Custom)	



Notes:

- Standard Components. If not specified, default option.
- Hinge, Locking. Allows head to adjust independent of body.
- 3/4" NPT. Allows attachment of hook or extension pipe.
- Mobile Devices, Extended Dimming and Power Boxes, Etc.

Product	Source	Reflector	Glass	Voltage	Color	Cord Set	Controls	HB									
W	R	K	4	1	1	S	2	C	1	B	L	C	1	0	0	0	P

Workhorse, 23000 Lumen Source, 90x90 Reflector, Clear Glass, 100-277VAC, Black, 8' Cord w/Nema 5-15P, No Controls, 3/4" NPT Bracket

**Accessories (Order Separately)**

SLOT PN	Description	
1000253	Bracket, Truss. Allows unit to hang from a truss with a 2 inch (50.8 mm) maximum.	
1000265	Bracket, Hanging, Wall Mount, Assembly, Black. Allows unit to mount to a wall or other surface.	
1000283	Bracket, Hook, 3/4" NPT	

