



An Acuity Brands Company

IP67  

8100 SERIES

YOKE MOUNT

150W MAX HID

250W MAX QTZ. HALOGEN

DESCRIPTION

The 8100 Series is a high performance compact precision lighting system that provides consistent styling with a variety of light distributions. Multiple optical systems provide a wide range of precise light control and an array of mounting accessories are available to suit almost any application.

FEATURES & SPECIFICATIONS

MATERIAL: Die cast copper free aluminum (A360) housing & doors.

LAMP: ED-17 medium base to 150W, Elliptical E27 to 150W, T6 G12 base to 150W, T6 Cosmopolis to 140 watts, Quartz T4 Mini-can base to 250W

REFLECTORS: High purity anodized specular, semi-specular, or patterned lighting sheet in various configurations to provide optimum optical performance and uniformity. Reflectors are interchangeable with two screws. Consult factory for details.

LIGHT DISTRIBUTION:

Figure A: Horizontal Spot, Horizontal Flood, Vertical Flood.

Figure B: Narrow Spot, Spot, Narrow Flood, Medium Flood, Flood, and Wide Flood.

LENS: Flat tempered glass for maximum resistance to impact and thermal shock.

MOUNTING: 1 1/2" wide aluminum yoke & stainless steel locking hardware allows fixture head to be easily aimed and fixed in place. Fixtures are provided with a minimum of 10' of 18/3 ST-W cord for power supply.

GLARE CONTROL: Internal elements provide unlimited versatility in beam control. External glare control options include Barn Doors, Full and Half Glare Shields and House Side Shield.

BALLAST: High power factor magnetic core and coil ballast standard. Electronic ballast optional.

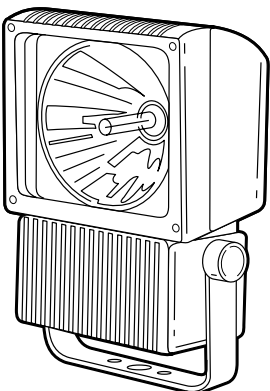
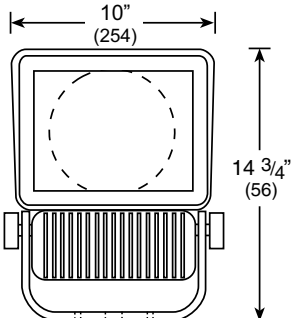
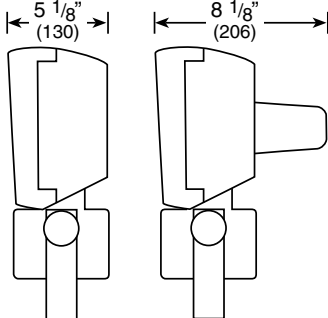
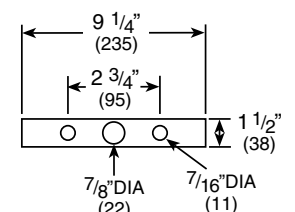
FINISH: Textured TGIC powder coat polyester finish (see ordering guide for available colors)

LISTING: U.L., C.U.L., CE, NEMKO

WEIGHT: 26.5 lbs.

EPA: .56

NOTE: HYDREL RESERVES THE RIGHT TO MODIFY SPECIFICATION WITHOUT NOTICE. Any dimension on this sheet is to be assumed as a reference dimension: "Used for information purposes only. It does not govern manufacturing or inspection requirements." (ANSI Y14.5-1973)

TYPE					JOB NAME				
PART NUMBER									
Model	Lamp Type	Voltage	Distribution	Mounting	Accessories	Options	Lamp	Finish	Listing
									
 									
									
YOKE FOOT PRINT									
APPROVALS									

60 Hz Application

Choose the boldface catalog nomenclature that best suits your needs.

EXAMPLE:

Notes:

¹ Incandescent models available with 120 Volt only.

² MVOLT is standard on all Fluorescent lamps and MH lamps with GEB ballast option except when ELN is chosen.

³ Available for G12 & Mini-can bases only. NSP includes an ISS accessory.

⁴ Two fixtures per mounting.

⁵ Not available with HFL. Standard with NSP

⁶ Each option is mutually exclusive, choose one.

⁷ SE is only available with 120, 277 or 347 volts on HID only.

⁸ DF is only available with 208, 220 or 240 volts on HID only.

⁹ Electronic ballasts are only available with MH and Cosmopolis lamps up to 150 watts.

¹⁰ Only valid with 120 or 277 volts¹¹ Only valid with VWFL distribution and MVOLT.¹² Only valid with 2/42TRT lamps.

¹³ Not valid with 220 Volt.

¹⁴ Requires 120 or 280-277 volts and GEB ballast.

¹⁵ Not valid with NSP distribution¹⁶ Only valid with Cosmopolis lamps.

8100 ORDERING INFORMATION

50 Hz Application

Choose the boldface catalog nomenclature that best suits your needs.

PART NO.

EXAMPLE:

8100	70M	24050HZ	VFL	YM	SMSA18	BD	LPI	BL	IEC
Model		Voltage		Mounting		Accessories	Options	Finish	
☐ 8100		☐ 22050HZ ☐ 23050HZ ☐ 24050HZ ☐ MVOLT ¹⁰ ☐ 208-277 (50 or 60 Hz)		☐ YM Yoke Mt		Internal ☐ ISS ³ Internal Source Shield ☐ CFAMB Color Filter Amber ☐ CFRED Color Filter Red ☐ CFBLU Color Filter Blue ☐ CFGRN Color Filter Green ☐ LSF Linear Spread Filter (Horizontal) ☐ VSF Vertical Spread Filter External⁴ ☐ BD Barn Doors ☐ FGS Full Glare Shield ☐ HGS Half Glare Shield ☐ WRG Wire Rock Guard	Ballast ☐ GEB ⁹ Electronic Ballast	☐ BL Black ☐ BZ Bronze ☐ DDB Dark Bronze ☐ DNA Natural Alum. ☐ GN Green ☐ GR Gray ☐ SND Sand ☐ STG Steel Gray ☐ TVG Terra Verde Green ☐ WH White ☐ CF Custom Finish	
Lamp Type			Distribution		Mounting Acc.		Lamp	Listing	
MH ☐ 70M Elip. E27 ☐ 100M Elip. E27 ☐ 150M Elip. E27 ☐ 70CM Elip. E27 ☐ 100CM Elip. E27 ☐ 70CMT6 T6 G12 ☐ 150CMT6 T6 G12 COSMOPOLIS⁸ ☐ 60CPO T6 PGZ12 ☐ 90CPO T6 PGZ12 ☐ 140CPO T6 PGZ12 HPS ☐ 50S Elip. E27 ☐ 70S Elip. E27			Flood Lights ☐ NSP ¹ Nar. Spot ☐ SP Spot ☐ NFL Nar. Flood ☐ MFL Med. Flood ☐ FL Flood ☐ WFL Wide Flood ☐ HSP Hor. Spot ☐ HFL Hor. Flood ☐ VFL Vert. Flood		☐ ARJB Architectural Junction Box ☐ FJB Flush Mount Junction Box ☐ TRJB Tree Mount Junction Box ☐ PAR___ Pole Arm Round 4", 5", or 6" Pole 12", 18", or 24" length (i.e. PAR5/18) ☐ PAS___ Pole Arm Square 4", 5", or 6" Pole 12", 18", or 24" length (i.e. PAS4/24) ☐ PATR ⁴ ___ Pole Arm Twin Round 4", 5", or 6" Pole 12", 18", or 24" length (i.e. PATR6/12) ☐ PATS ⁴ ___ Pole Arm Twin Square 4", 5", or 6" Pole 12", 18", or 24" length (i.e. PATS6/12) ☐ PMT ⁴ Pole Mt Tee ☐ SMSA___ Stan. Mt Splice Access available 12"-48" in 6" increments ☐ PSSA Ped. Stan. Mt 7" Splice Access ☐ SMT Stanchion Mt Tee ☐ EWM___ Ext. Wall Mt Available 12"-48" in 6" increments ☐ PMSA Pole Mt Splice Access		☐ LPI Lamp Included	☐ IEC International Electrotechnical Commission	

Notes:

- ¹ Available for G12 & Mini-can bases only. NSP includes an ISS accessory.
- ² Two fixtures per mounting.
- ³ Not available with HFL. Standard with NSP.
- ⁴ Each option is mutually exclusive, choose one.
- ⁵ 70CMT6 only.
- ⁶ Only valid with 2/42TRT lamps and 120 or 277 volts
- ⁷ Electronic ballasts are only available with MH lamps to 150 watts and MVOLT voltage.
- ⁸ Cosmopolis lamps require 208-277 volt and GEB.
- ⁹ GEB only available with MH or Cosmopolis lamps.
- ¹⁰ MVOLT not available with HPS lamps.