



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, Qu artz 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.

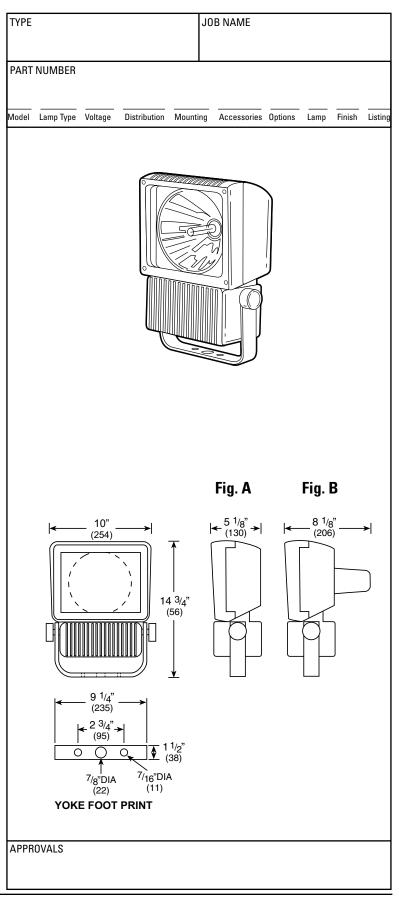
FINISH: Textured TGIC powder coat polyester finish (see ordering guide for available colors)

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)







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8100 ORDERING INFORMATION

60 Hz Application

Choose the polarace catalog nomenciature that best suits your needs.												
ART NO.												

EXAMPLE: SMSA₁₈ LPI 8100 50M 120 **VFL YM** BD SF BL Distribution Mounting Accessories Voltage **Options Finish** Model □ 8100 □ 120 Flood Lights □ YM Yoke Mt BL Black <u>Internal</u> <u>Fusing</u> 208 NSP 3Nar. Spot ISS⁵ Internal ☐ SF⁷ Single ΒZ Bronze Source Fuse Lamp Type 240 SP Spot \square DDB Dark Shield DF⁸ Double Bronze □ 277 NFL Nar. Flood **INCANDESCENT □CFAMB** Color Fuse **□ DNA** Natural □ 347 MFL Med. Flood 100Q T-4 MC. Filter **Ballast** Alum. □ 120/277 FL Flood Amber 1500 T-4 MC П □ GEB⁹ Generic \square GN Green Color \Box TB П WFL Wide Flood □ CFRED MC 2500 T-4 Electronic □ GR Gray Filter ☐ MVOLT² **HSP** Hor. Spot Ballast <u>MH</u> Red \square SND Sand □ 208-277¹⁶ HFL Hor. Flood 50M¹⁰ ED17 Med. П ☐ CFBLU Color □ STG Steel П VFL Vert. Flood **70M**¹³ ED17 Med. Filter Gray □ VWFL¹² Very Wide П 100M FD17 Blue Med. \square TVG Terra Flood ☐ CFGRN Color **150M** ED17 Med Verde Filter Green 70CM¹³ ED17 Med. Green □ WH White **100CM** ED17 Med. **Mounting Accessories** LSF Linear CF Custom **□70CMT6**¹³ T6 G12 Spread ARJB Architectural Junction Box Finish Filter **□ 150CMT6** T6 G12 FJB Flush Mount Junction Box (Horizontal) COSMOPOLIS¹⁴ TRJB Tree Mount Junction Box П VSF Vertical Lamp **60CPO** T6 PGZ12 П Spread PAR Pole Arm Round 4", 5", or 6" **90CPO** T6 PGZ12 Pole 12", 18", or 24" length (i.e. Filter □ LPI Lamp **140CPO** T6 PGZ12 PAR5/18) Included External⁶ Pole Arm Square 4", 5", or 6" BD Barn Doors **HPS** □ PAS__/__ Pole 12", 18", or 24" length (i.e. **FGS Full Glare** 50S10 E17 Med. PAS4/24) Shield 100S E17 Med Pole Arm Twin Round 4", 5", or 6" Pole 12", 18", or 24" length (i.e. □PATR⁴__/_ HGS Half Glare 150S E17 Med. Shield Fluorescent² PATR6/12) WRG Wire Rock 42TRT □PATS⁴__/_ Pole Arm Twin Square 4", 5", or Guard 6" Pole 12", 18", or 24" length (i.e. □ 2/42TRT11 PATS6/12) PMT⁴ Pole Mt Tee Stan. Mt Splice Access available 12"-48" in 6" increments PSSA Ped. Stan. Mt 7"Splice Access П SMT Stanchion Mt Tee EWM_ Ext. Wall Mt Available 12"-48" in 6" increments PMSA Pole Mt Splice Access

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 SF 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 volts
- 11 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 distribution
- Only valid with Cosmopolis lamps.





8100 ORDERING INFORMATION

50 Hz Application

Choose the boldface catalog nomenclature that best suits your needs.

PART N	NO.																		
EXAMP	LE:																		
8100	70	OM 24050HZ		VFL		<u> </u>	Y	М	SM	SA18	BD				LPI		BL	IEC	
	1			7		Г								1	<u> </u>	٦			
Model			/oltage				Mou	nting					essories		otions			nish	
□ 8100			2050HZ				YM	Yoke Mt			<u>Inter</u>			Ballast	9 - 1			Black	
			3050HZ 4050HZ									122,	Internal Source	□ GEB	⁹ Electronic Ballast	;	□ BZ	Bronze Dark	
			4030112 /IVOLT ¹⁰										Shield				ם טטט	Bronze	
			08-277										Color Filter Amber Color Filter Red	•			□DNA		
		(5	50 or 60 Hz))								CFBLU	Color Filter Blue					Alum.	
													Color Filter Green Linear Spread				□ GN		
			7				٦						Filter (Horizontal)					Gray Sand	
	Lamp	Туре		Dis	strib	ution	ı					VSF	Vertical Spread Filter				□ SND □ STG		
<u>MH</u>				Floc	od Ligl						Exte	rnal ⁴	1 1101				_ 0.0	Gray	
		Elip. E27			NSP ¹	Nar. Spot						BD	Barn Doors				□ TVG	Terra	
		Elip. E27 Elip. E27			SP	Spot							Full Glare Shield					Verde	
		Elip. E27				Nar.							Half Glare Shield					Green	
		Elip. E27				Flood						WRG	Wire Rock Guard				□ WH		
□ 7		T6 G12			MFL	Med. Flood											⊔ Ur	Finish	
	OCMT6				FL	Flood				L						\perp			
	MOPOLI				WFL	Wide	_		Мо		ounting Acc.		Lamp)		Listing		
		T6 PGZ12 T6 PGZ12		_	uen	Flood] A l	RJB A	Archited	tural	Juncti	on Box		ımp			Internation Electrotec	
_		T6 PGZ12			HSP	Hor. Spot				lush M					l LPI Lam			Commissio	
HPS		101 0212			HFL	Hor.				ree Mo					Inclu	laea			
	50S	Elip. E27		_		Flood		PAR_					5", or 6" Pole 12", e. PAR5/18)						
	70S	Elip. E27			VFL	Vert. Flood		PAS_					, 5", or 6" Pole 12", e. PAS4/24)						
					PATR4					d 4", 5", or 6" Pole th (i.e. PATR6/12)									
					PATS4_					re 4", 5", or 6" Pol th (i.e. PATS6/12)	Э								
										ole Mt									
								SMS		Stan. M1 2"-48"			ess available ents						
						□ PSSA Ped. Stan. Mt 7" Splice Access □ SMT Stanchion Mt Tee													
] EW	_	xt. Wal n 6" inc			le 12"-48"						

PMSA Pole Mt Splice Access

- 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.