



PentaFlood Series



PHILIPS
KEENE

PentaFlood Versatility

Philips Keene outdoor products have always been at the top of specifiers' lists where performance and reliability are critical to application success.

That heritage of engineering excellence and application know-how has inspired the development and introduction of a new generation of floodlights; products that combine the very best of 30 plus years of floodlighting experience with the vitality of new technology and contemporary architectural design.

Welcome to the new floodlighting standard in performance, style and versatility to enhance almost any outdoor lighting application you can specify... with the scalability that only a full range of luminaires can deliver.

Welcome to the family.

Welcome to PentaFlood.

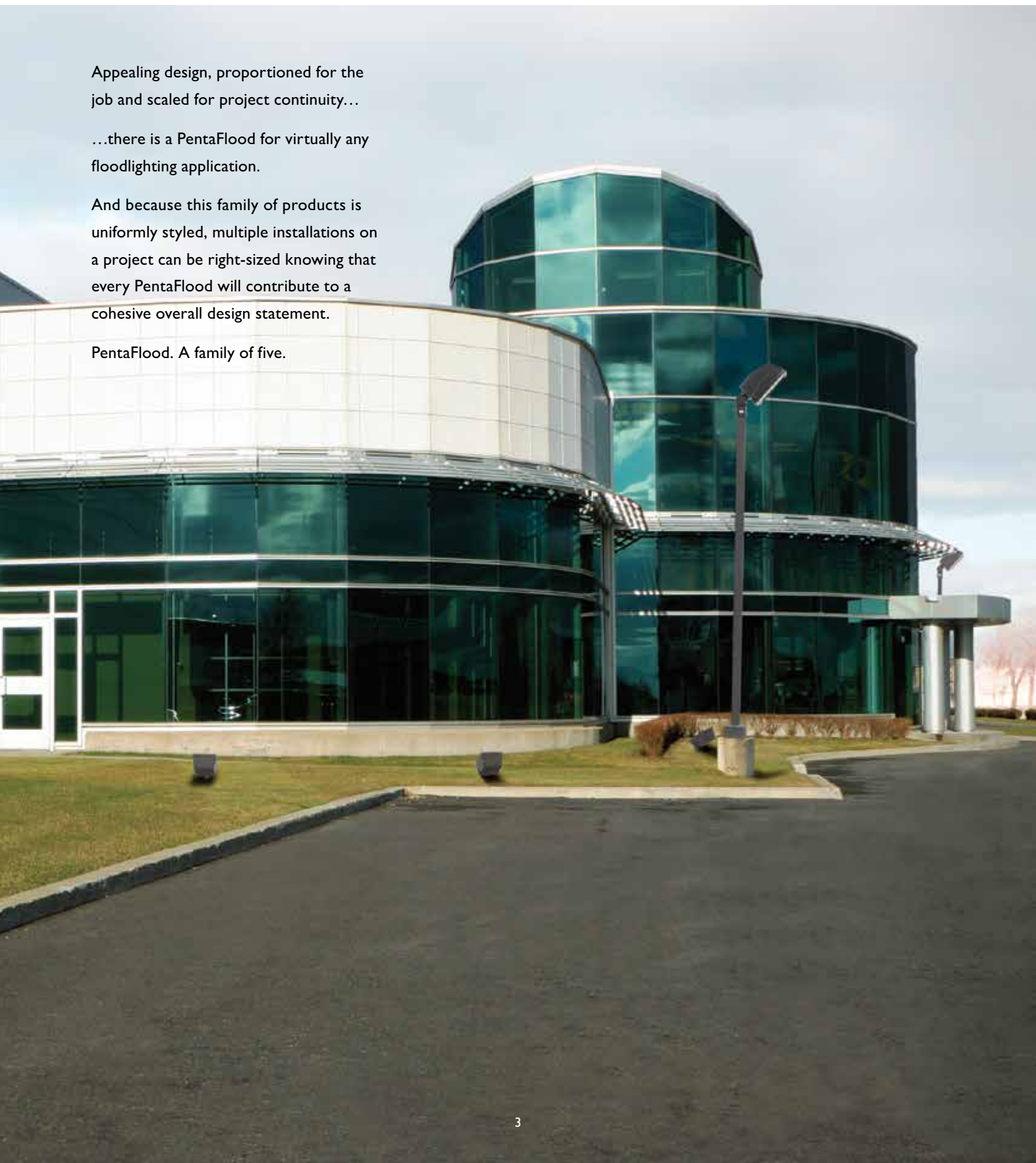


Appealing design, proportioned for the job and scaled for project continuity...

...there is a PentaFlood for virtually any floodlighting application.

And because this family of products is uniformly styled, multiple installations on a project can be right-sized knowing that every PentaFlood will contribute to a cohesive overall design statement.

PentaFlood. A family of five.



PentaFlood Versatility

The continuity that five complementary sizes can bring to a lighting project is an important design benefit. But that's just the beginning of the PentaFlood Family story.

With PentaFlood, Philips Keene engineers

have successfully combined scale with technical features to dramatically improve the versatility that is so important for today's multiple outdoor lighting application needs.

PentaFlood is ideal for these five popular installations: general and façade lighting, area lighting, wall and security lighting, indirect applications plus sign and pole lighting.

PentaFlood Family. Versatility with scale. Times five.



Façade/General



Area





Wall/Security



Indirect



Pole/Sign



PentaFlood Versatility

The concept inspired the name- five complementary, scaled sizes with the versatility to perform over the five most popular floodlight applications.

And the appeal expands with user-friendly features that make installations fast, maintenance simple and straightforward and performance long lasting (PentaFlood's robust construction helps it meet wet location standards).

PentaFlood Family. Versatility, scale and performance to build lasting relationships.



Three Year Guarantee

PentaFlood's reliability and performance is backed by Philips Keene's 30 plus years of outdoor lighting experience and one of the best guarantees in the industry.

PF 1



PF 2



PF 3



PF 4



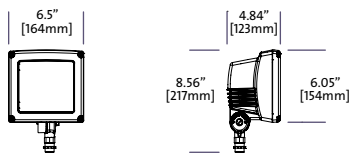
PF 5



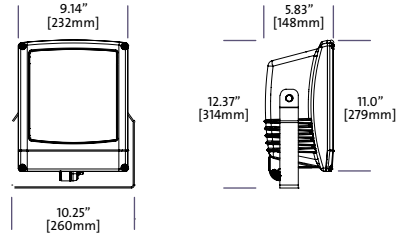


PentaFlood Features

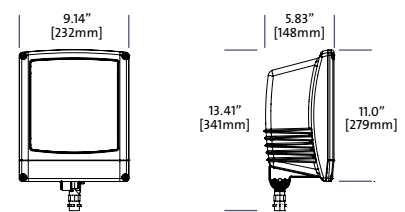
PF1 - Arm Mount



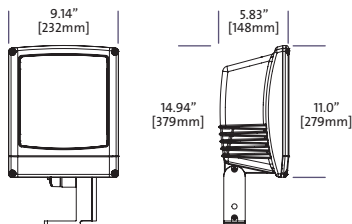
PF2 - Yoke Mount



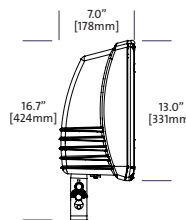
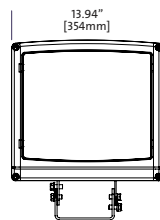
PF2 - Arm Mount



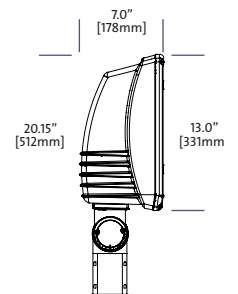
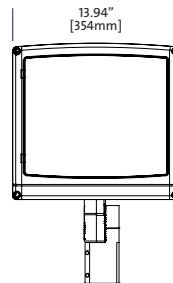
PF2 - Wall Mount



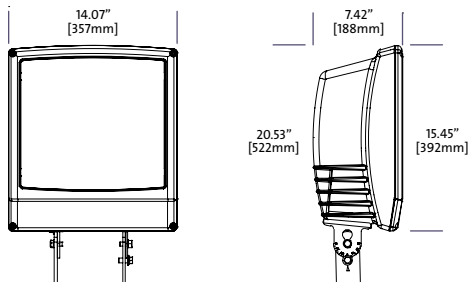
PF3 - Yoke Mount



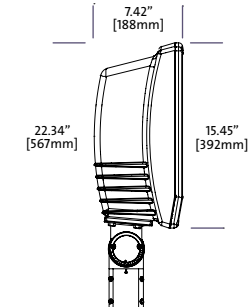
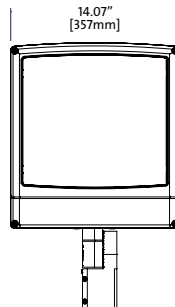
PF3 - Tenon Mount



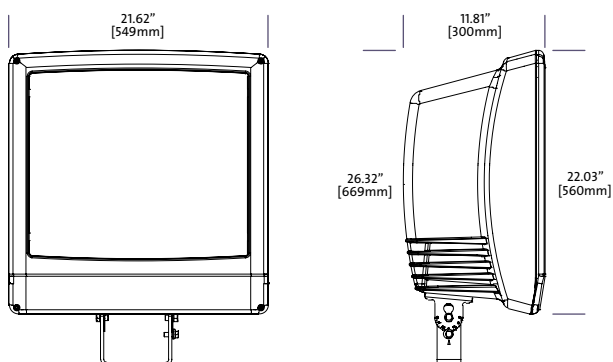
PF4 - Yoke Mount



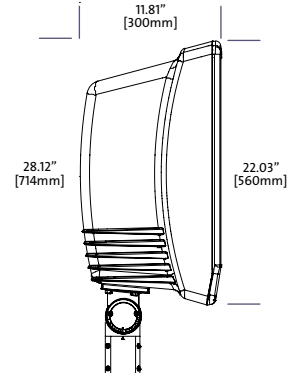
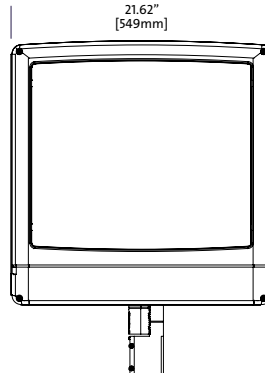
PF4 - Tenon Mount



PF5 - Yoke Mount



PF5 - Tenon Mount

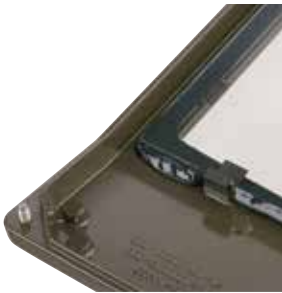


Real World Compatible

Installation is easy with the PentaFlood family. Robust construction and durable components contribute to long life and easy access for regular maintenance when required.



PentaFloods offer a variety of reflector configurations in both Standard Grade and Specification Grade 'PentaLume' optics to precisely control light output.



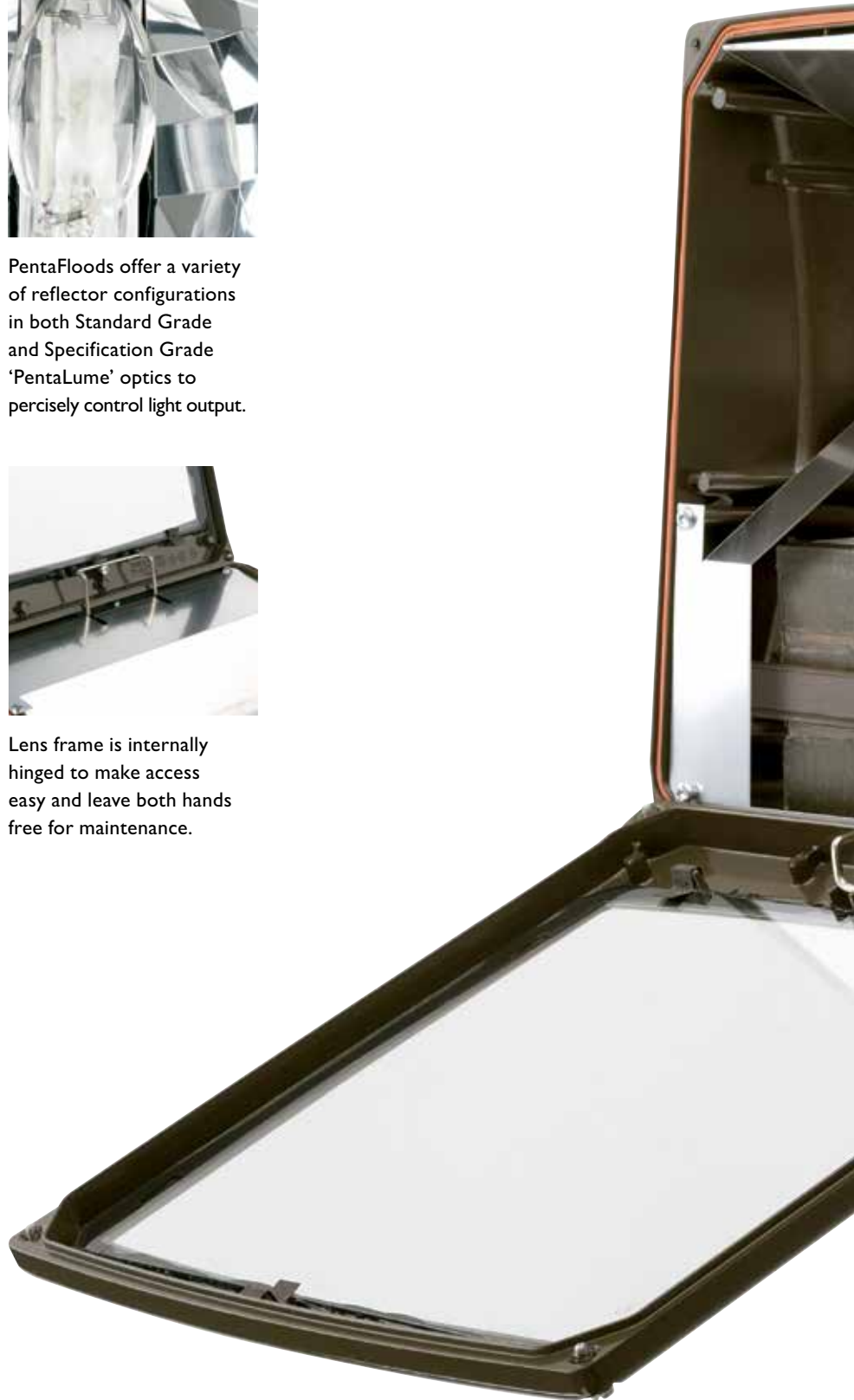
Internal clips and silicone bonding keeps lens in place and creates a durable, water-tight glass and lens frame.



Lens frame is internally hinged to make access easy and leave both hands free for maintenance.



All hardware is stainless to resist corrosion and lens frame screws are captive to prevent loss during maintenance.





Flush mounted lens-to-frame design minimizes water pooling on the luminaire.



Durable silicone gasketing keeps out moisture and dust protecting internal components, while maintaining a high level of performance.



Handy degree scale is integral to the mounting hardware to help with aiming.



Integral cast fins provide a contemporary, unifying PentaFlood look and help dissipate heat for longer component life.

PentaFlood Mounting Options/Accessories

Success Is In The Details

The look is great, the lighting performance is perfectly tailored for the application and finally, that finishing touch, those ideal mounting options and accessories to complete every successful installation.

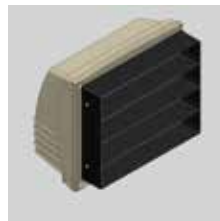
Every option and accessory has been specifically designed to precisely match application needs; visors for sharp cutoff, external louvers to control glare, guards and shields to protect the luminaire from damage due to vandalism.



Top Visor



Full Visor



External Louvers



Wire Guard



Vandal Shield

Reliable, Rugged, Built To Last

Multiple mounting options for quick and simple installation. Easy aiming with the built-in degree scale.

Mounting hardware has been engineered for ease of installation and provides maximum flexibility for various floodlight applications.



Arm Mount



Yoke Mount

EPA Ratings*

* EPA = Effective Projected Area in Ft²

PentaFlood's sleek design contributes to a low EPA.

PF1 - 0.22 sq. ft.

PF2 - 0.55 sq. ft.

PF3 - 1.00 sq. ft.

PF4 - 1.20 sq. ft.

PF5 - 2.63 sq. ft.



Wall Mount



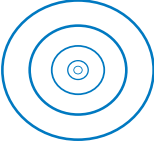



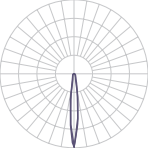
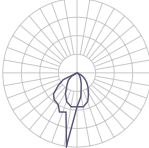
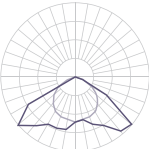

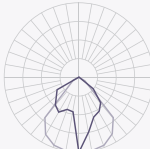
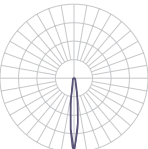
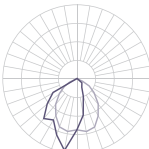
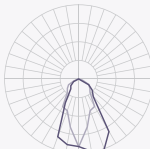
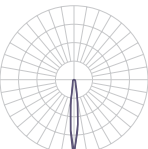
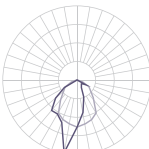
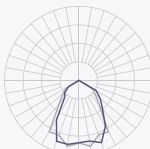


Adjustable Tenon Mount

PentaFlood Optics

Standard Grade Optics

- For general duty floodlighting
- Optic systems consist of formed, specular and semi-specular aluminum reflectors
- Accurate, efficient beam control
- Versatility and variety of options for each size
- Optical performance you have come to appreciate from Philips Keene

					
Size	Narrow X Wide 'NW'	Wide X Narrow 'WN'	Spot 'S'	Cutoff 'C'	Square
PF1					
PF2	 *				
PF3					
PF4					
PF5					

Legend

Shaded photometric diagrams are supplied optics unless otherwise specified

- Also available in Specular and Semi-Specular



Specification Grade 'PentaLume' Optics




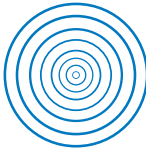

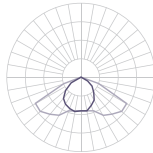
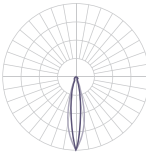
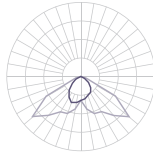

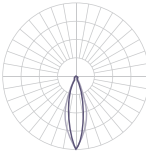
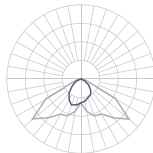
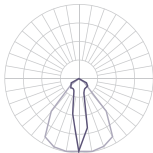
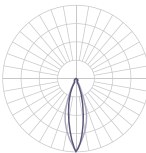
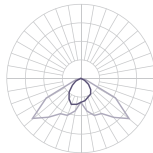
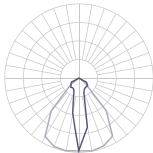
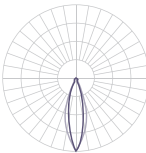
- Multi-faceted / segmented high performance reflector segments
- Multiple reflector options achieve numerous light distribution patterns with a great deal of flexibility
- Precise control that eliminates glare and spill light
- Higher reflectivity and efficiency
- Tighter more accurate beams

Of course, every lighting task must ultimately be evaluated by its ability to control light and be efficient.

Depending on the luminaire size, five standard PentaFlood optics can be selected and additionally, four specification grade, 'PentaLume' optic systems can be specified within the PentaFlood family.

- Unparalleled range of reflector choices
- Added application flexibility with the choice of standard grade or specification grade 'PentaLume' optical packages
- Multiple light patterns for any floodlighting effect imaginable
- Ideal distributions for pinpoint aiming, drenching sculptures or grazing buildings
- Controlled cutoff optics for areas where light trespass is a concern

PentaFlood Family. Right-sized, versatile, friendly, controlled.

				
Size	Asymmetric Rotatable 'PLA'	Wide 'PLW'	Narrow X Wide 'PLNW'	Spot 'PLS'
PF1				
PF2				
PF3				
PF4				
PF5				



ORDERING GUIDE

Series	Size	Mounting	Wattage	Reflector Type	Source	Options	Voltage	Finish ¹
PF : PentaFlood	1	A : Arm	020 : 20W 039 : 39W 070 : 70W	PLW : PentaLume Wide PLS : PentaLume Spot PLA : PentaLume Asymmetric	EMA : Electronic	L : Lamp Included	8 : 120/208/240/277V	

1 For other finishes, consult factory for available colours and custom colour options.



ORDERING GUIDE

Series	Size	Mounting	Wattage ¹	Reflector Type	Source ²	Options	Voltage ^{3, 4}	Finish ⁵
PF : PentaFlood	2	A : Arm Y : Yoke ⁶ W : Wall ⁶	050 : 50W 070 : 70W 100 : 100W 150 : 150W 175 : 175W	Blank: Narrow X Wide (Semi-Specular) S : Spot C : Cutoff NW : Narrow X Wide (Specular) PLW : PentaLume Wide PLNW : PentaLume Narrow X Wide PLS : PentaLume Spot	MA : Metal Halide LX : High Pressure Sodium (HPF Ballast) NLX : High Pressure Sodium (Reactor Ballast)	L : Lamp Included PCB : Button Photocontrol (For 120/277/347V)	1 : 120V 2 : 208V 3 : 240V 4 : 277V 5 : 347V T : Tri-Tap (120/277/347V)	Blank : Bronze W : White B : Black G : Grey

1 MA (175, 250, 400W);

LX (70, 100, 150, 250, 400W);
PS (200, 250, 320, 350, 400W).

2 NLX reactor ballast only available in 120V.

3 MA(50-150W); NLX(50-150W) are not available with 208V or 240V.

4 LX(50W) not available in Tri-Tap.

5 For other finishes, consult factory for available colours and custom colour options.

6 Supplied with 3' SOW cable.



ORDERING GUIDE

Series	Size	Mounting	Wattage ²¹	Reflector Type	Source	Options	Voltage	Finish ²
PF : PentaFlood	3	A : Adjustable Tenon Y : Yoke ³	070 : 70W 100 : 100W 150 : 150W 175 : 175W 200 : 200W 250 : 250W 320 : 320W	Blank : Square WN : Wide X Narrow C : Cutoff	MA : Metal Halide LX : High Pressure Sodium PS : Pulse Start Metal Halide	L : Lamp Included AM : Automatic Quartz Socket and Relay (Lamp Not Supplied) EM : Emergency Auxiliary Quartz Socket Only (150W Max.) FS : Single Line Fusing (120/277/347V Only) TLR : Twist-Lock Photocontrol Receptacle TRP : Twist-Lock Receptacle and Button Photocontrol PCB : Photocontrol (For 120/277/347V)	1 : 120V 2 : 208V 3 : 240V 4 : 277V 5 : 480V ⁴ 6 : 347V 7 : 600V ⁴ T : Tri-Tap (120/277/347V)	Blank : Bronze W : White B : Black G : Grey

1 MA (175, 250W); LX (70, 100, 150, 250W); PS (200, 250, 320, 350W).

2 For other finishes, consult factory for available colours and custom colour options.

3 Supplied with 3' SOW cable.

4 480V & 600V are available up to 250W max.

PentaFlood Family

PF⁴ ORDERING GUIDE

Series	Size	Mounting	Wattage ¹	Reflector Type	Source	Options	Voltage	Finish ²
PF : PentaFlood	4	A : Adjustable Tenon	150 : 150W	Blank : Square	EMA : Electronic	L : Lamp Included	1 : 120V	Blank : Bronze
			175 : 175W	S : Spot	MA : Metal Halide	AM : Automatic Quartz Socket and Relay (Lamp Not Supplied)	2 : 208V	W : White
		Y : Yoke ³	200 : 200W	C : Cutoff	LX : High Pressure Sodium	EM : Emergency Auxiliary Quartz Socket Only (150W Max.)	3 : 240V	B : Black
			250 : 250W	PLW : PentaLume Wide	PS : Pulse Start Metal Halide	FS : Single Line Fusing (120/277/347V Only)	4 : 277V	G : Grey
			320 : 320W	PLNW : PentaLume Narrow X Wide			5 : 480V ⁴	
			350 : 350W	PLS : PentaLume Spot		TLR : Twist-Lock Photocontrol Receptacle	6 : 347V	
			400 : 400W			TRP : Twist-Lock Receptacle and Button Photocontrol	7 : 600V ⁴	
						PCB : Photocontrol (For 120/277/347V)	T : Tri-Tap (120/277/347V)	

1 MA (175, 250, 400W); LX (70, 100, 150, 250, 400W); PS (200, 250, 320, 350, 400W).

2 For other finishes, consult factory for available colours and custom colour options.

3 Supplied with 3' SOW cable.

PF⁵ ORDERING GUIDE

Series	Size	Mounting	Wattage ¹	Reflector Type	Source	Options	Voltage	Finish ²
PF : PentaFlood	5	A : Adjustable Tenon	1000 : 1000W	Blank : Square	EMA : Electronic	L : Lamp Included	1 : 120V	Blank : Bronze
			1500 : 1500W	S : Spot	MA : Metal Halide	AM : Automatic Quartz Socket and Relay (Lamp Not Supplied)	2 : 208V	W : White
		Y : Yoke ³		C : Cutoff	LX : High Pressure Sodium	EM : Emergency Auxiliary Quartz Socket Only (150W Max.)	3 : 240V	B : Black
				PLW : PentaLume Wide	PS : Pulse Start Metal Halide	FS : Single Line Fusing (120/277/347V Only)	4 : 277V	G : Grey
				PLNW : PentaLume Narrow X Wide			5 : 480V ⁴	
				PLS : PentaLume Spot		TLR : Twist-Lock Photocontrol Receptacle	6 : 347V	
						TRP : Twist-Lock Receptacle and Button Photocontrol	7 : 600V ⁴	
						PCB : Photocontrol (For 120/277/347V)	T : Tri-Tap (120/277/347V)	

1 MA (175, 250, 400W); LX (70, 100, 150, 250, 400W); PS (200, 250, 320, 350, 400W).

2 For other finishes, consult factory for available colours and custom colour options.

3 Supplied with 3' SOW cable.

SPEC BAR	PERFORMANCE	APPLICATION	SOURCE			DISTRIBUTION PATTERN	INSTALL TIME	MAINTENANCE	FAMILY FIXTURE	CLASSIFICATION
	★★★★★	COMM.	MH 20-1500 HPS 50-1000 PS 200-400	I II III IV V	⌚ ⌚ ⌚	⚡ ⚡ ⚡	■ ■ ■ ■ ■	Wet		



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