PMF
Flashing Lights

SIL / PL

X
xenon

M
monitored

Powerful 360° omnidirectional signalling
for large distances (indoor and outdoor).

Robust, solid-state design
Xenon flash tubes are secured by a mechanical clamp and unlike rotating lights with motorised elements there is no risk of failure due to moving parts.

Up to 30 Joule flash energy
High energy impulse creates an intense light flash for effective signal coverage in large areas.

Highly effective light beam
Fresnel lens optics provide a brilliant horizontal light stream for long distance signal transmission.

Exceptional performance
withstands extreme temperatures and is safeguarded against potential voltage fluctuations.

Very good perceptibility
over great distances; low power consumption.

Versatile mounting
choose direct mount for flat surface installation or bracket mount for attaching to walls or pipes.

Several versions to serve specific needs

PMF 2015	PMF 2030	PMF 2015-SIL	PMF 2015-M bracket mounting
High visibility, low power flashing light.	Extreme high visibility, low power flashing light.	High visibility, low power flashing light, conforming to **SIL 2 / PLd** safety integrity level. Includes self-monitoring function.	High visibility, low power flashing light with self-monitoring function. Additional contact closure included to alert operators of potential failure in the ability to generate a flashing light output. The light carries type approval from the Swiss Ministry of Transport. An independent technical safety report within the definitions of EN 50129 exists.

FLASHING LIGHTS

IP 55
protection system

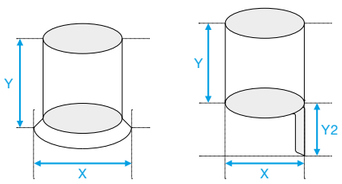
+55 °C
–40 °C
operating temperature

PRODUCT		PMF 2015		PMF 2030	
		direct mounting	bracket mounting	direct mounting	bracket mounting
ARTICLE NO.	230 V	21007104000	21007104010	21010104000	21010104010
ARTICLE NO.	24 V	21007804000	21007804010		
ARTICLE NO.	230 V	21007105000	21007105010	21010105000	21010105010
ARTICLE NO.	24 V	21007805000	21007805010		
DATA					
Light source		xenon flash tube: quad, double flash		xenon flash tube	
Operating range		195–253 V	18–30 V	195–253 V	
		AC 50 I 60 Hz	DC	AC 50 I 60 Hz	
Nominal current consumption				450 mA @ 230 V	
	2 flashes	0.08 A	0.65 A		
Flash energy and flash rate		7 J @ 1 Hz = 60 flashes/min		max. 30 J @ 1 Hz = 60 flashes/min switchable to 20 J	
Light intensity (DIN 5037) [1]		250 cd		1,500 cd	
Max. viewing distance		366 m		898 m	
Operating temperature		–40 … +55 °C			
Protection system according to EN 60529		IP 55 (vertical mounting)			
Service life of light source		light emission still 70 % after 8,000,000 flashes			
Material	lens	polycarbonate (PC), fresnel characteristic			
	housing	acrylonitrile butadiene styrene (ABS)	polycarbonate (PC)	acrylonitrile butadiene styrene (ABS)	polycarbonate (PC)
Dimensions (X x Y + Y2)		177 x 185 + 0 mm	130 x 170.5 + 90 mm	177 x 185 + 0 mm	130 x 170.5 + 90 mm

[1] with a clear lens

EAC

Webcode
#3113



FLASHING LIGHTS

IP 55
protection system

+55 °C
–30 °C
operating temperature

PRODUCT		PMF 2015-SIL		PMF 2015-M
		direct mounting	bracket mounting	bracket mounting
ARTICLE NO.	230 V	21007104601	21007104611	
ARTICLE NO.	24 V	21007804601	21007804611	21007804012
ARTICLE NO.	230 V	21007105601	21007105611	
ARTICLE NO.	24 V	21007805601	21007805611	21007805012
DATA				
Light source		xenon flash tube		xenon flash tube: double flash
Operating range		195–253 V	18–30 V	
		AC 50 I 60 Hz	DC	
Nominal current consumption	flashing light	250 mA	700 mA	0.65 A
	diagnostic channel	0.08 A	0.65 A	
	monitoring unit			0.05 A
Alarm contact	version	positively driven contact (1x NC, 1x NO)		
	max. switching power	1,500 VA AC		
Flash energy and flash rate		10 J @ 1 Hz = 60 flashes/min		7 J @ 1 Hz = 60 flashes/min
Light intensity (DIN 5037) [1]		225 cd		250 cd
Max. viewing distance		348 m		366 m
Operating temperature		–30 … +55 °C		
Protection system according to EN 60529		IP 55 (vertical mounting)		
Service life of light source		light emission still 70 % after 8,000,000 flashes		
Material	lens	polycarbonate (PC), fresnel characteristic		
	housing	acrylonitrile butadiene styrene (ABS)	polycarbonate (PC)	polycarbonate (PC)
Dimensions (X x Y + Y2)		177 x 185 + 0 mm	130 x 170.5 + 90 mm	130 x 170.5 + 90 mm

For additional models, options and voltages visit www.pfannenberg.com or contact us directly.

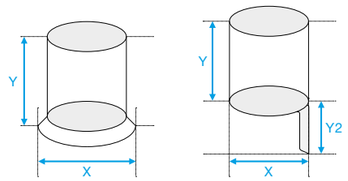
[1] with a clear lens

EAC

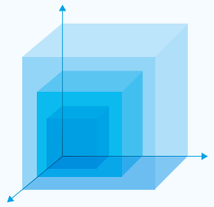
Webcode
#3114

Comprehensive technical documentation such as
- **operating instructions, technical data, approvals**
- **support for planning, 3D models, CAD data**

can be retrieved by entering this webcode in the search window on www.pfannenberg.com



3D-Coverage performance data, A x B x C



PMF 2015

Indicate	54 x 171.9 x 171.9 m
Warn	24 x 76.4 x 76.4 m
Alarm	12 x 38.2 x 38.2 m

PMF 2015-SIL

Indicate	52.2 x 173.7 x 173.7 m
Warn	23.2 x 77.2 x 77.2 m
Alarm	11.6 x 38.6 x 38.6 m

PMF 2015-M

Indicate	54 x 171.9 x 171.9 m
Warn	24 x 76.4 x 76.4 m
Alarm	12 x 38.2 x 38.2 m

PMF 2030

Indicate	144 x 450 x 450 m
Warn	64 x 200 x 200 m
Alarm	32 x 100 x 100 m

Coverage area according to the applications „Indicate“, „Warn“ and „Alarm“ (EN 54-23) with clear lens. To determine the exact signaling area for your needs, please use the online available Pfannenberg Sizing Software PSS.

Models with alternative features available upon request

PMF	PMF 2020	PMF-LED Flex
Alternate operating voltages, such as 115 V AC. Choice of lens colours: clear I amber I red I green I blue.	Shock and vibration tolerant designs with GL approval. Also suitable for cranes and floor conveyor applications.	The brightest LED technology with multi-function capability. Externally controllable operation with continuous, blinking, flashing and rotating beacon modes. No moving parts for utmost reliability. See page 50.