

## POLARION SEARCHLIGHTS COMPARISON MATRIX



COMPONENT / SPECS	MODEL PH40	MODEL PF40	MODEL X1	MODEL P2
Ballast	40W	40W	35W	35W
Lamp Type	Xenon-Metal (MPXL)	Xenon-Metal (MPXL)	Xenon-Metal (MPXL)	Xenon-Metal (MPXL)
Max, Luminous Flux	4000 lm	4000 lm	3400 lm	3400 lm
Lamp Life	Up to 2500 hours	Up to 2500 hours	Up to 3000 hours	Up to 3000 hours
Beam Divergence 1	Collimated Light - 3 Degrees	Collimated Light - 3 Degrees	Collimated Light - 3 Degrees	Collimated Light - 3 Degrees
Beam Divergence 2	Uncollimated Light - 20 Degrees	Uncollimated Light - 20 Degrees	Uncollimated Light - 20 Degrees	Uncollimated Light - 20 Degrees
Illumination Distance	Up to 1.5Km / 1 Mile	Up to 1.5Km / 1 Mile	Up to 1.5Km / 1 Mile	Up to 1.5Km / 1 Mile
Input Voltage	DC 10V-18V	DC 10V-18V	DC 10V-18V	DC 10V-18V
Operational Current	3.5A	3.5A	3.5A	3.5A
Main Body/Bezel	Aerospace-Grade Aluminum (6061 T6)	Aerospace-Grade Aluminum (6061 T6)	Aerospace-Grade Aluminum (6061 T6)	6061 T6 Bezel / Composite Body/Handle
Finish	Type III Hard Ano - Black	Type III Hard Ano - Black	Type II Ano - Black or Silver	Bezel- Type III Hard Ano - Black
Weight w/o Battery	1.350 kg / 2.98 lbs	1.160 kg / 2.56 lbs	1.230 kg / 2.71 lbs	1.490 kg / 3.28 lbs
Weight with Battery	1.822 kg / 4.10 lbs	1.632 kg / 3.59 lbs	1.692 kg / 3.73 lbs	1.962 kg / 4.32 lbs
Overall Length	30 cm / 12"	30 cm / 12"	25 cm / 10"	29 cm / 11.5"
Bezel Diameter	8.57 cm / 3 3/8"	8.57 cm / 3 3/8"	8.57 cm / 3 3/8"	8.57 cm / 3 3/8"
Tailcap Diameter	7.3 cm / 2 7/8"	7.3 cm / 2 7/8"	7.3 cm / 2 7/8"	7.3 cm / 2 7/8"
Body Circumference	20.3 cm / 8"	19.0 cm / 7.5"	24.1 cm / 9.5"	N/A
Integrated Carrying Handle	YES	NO	YES	YES
Lanyard Attachment Point	YES	NO	YES	YES
Battery Type	Li-Ion Rechargeable Battery	Li-Ion Rechargeable Battery	Li-Ion Rechargeable Battery	Li-Ion Rechargeable Battery
Battery Capacity	CD 14.4V 4,400mAh	CD 14.4V 4,400mAh	CD 14.4V 4,400mAh	CD 14.4V 4,400mAh
Battery Fuel Gauge	YES	YES	YES	YES
Battery Change	Quick Swap	Quick Swap	Quick Swap	Quick Swap
Battery Weight	0.472kg / 1.04 lbs	0.472kg / 1.04 lbs	0.462kg / 1.01 lbs	0.472kg / 1.04 lbs
Charger Input Voltage	90V-240V / 50-60Hz	90V-240V / 50-60Hz	90V-240V / 50-60Hz	90V-240V / 50-60Hz
Charging Voltage	16.8V	16.8V	16.8V	16.8V
Charging Time	4 hours +/- 30 min	4 hours +/- 30 min	4 hours +/- 30 min	4 hours +/- 30 min
Charging Cycles	500+	500+	500+	500+
Universal Charger	A/C Standard 110/220V	A/C Standard 110/220V	A/C Standard 110/220V	A/C Standard 110/220V
D/C Charger	Available Option	Available Option	Available Option	Available Option
Waterproof	60 Meters / 200'	60 Meters / 200'	50 Meters / 165'	30 Meters / 100'
Carrying Case	YES	YES	YES	YES
Weapon Mountable	NO	YES	NO	NO
<b>MSRP</b>	\$2,195	\$2,195	\$1,795	\$1,495