



6 NM PRECISION PEL

PEL-6

Up to 6 Nm by Day & 24.8 Nm by night at 0.74T
Between 3.5° to 20° Horizontal Divergence

The PEL-6 is part of Vega's flagship precision sector light offering. It combines modern optical design techniques with decades of experience to provide very sharp sector boundaries and impressive range day or night.



SPECIFICATIONS

OPTICAL SPECIFICATION

Light Source	250 Watt tungsten-halogen lamp
Colours Available	Red, White and Green
Night Intensity Reduction	Night Filter + Lamp Voltage Reduction combined
Flash Characters	265 Fixed boundary only
Vertical Divergence	See figure 1.0
Peak Intensity	See figure 1.0

1.0 Peak Intensity per Subtense

	3.5°	5°	7°	10°
White (cd)	726,532	356,116	158,273	89,199
Red (cd)	196,164	96,151	42,733	24,084
Green (cd)	174,368	85,468	37,985	21,408
VD	2.1°	3°	3.9°	4.3°

For vertical divergence options of 15° and 20° please contact Vega's Solution Engineers.

Primary Reflector	First-surface spherical aluminium coated
Condenser Type	Two element (spherical+aspheric), 120° pickup
Anti-Reflection Coatings	Standard on all PEL-6 Sector Lights
Sector Angles	Individual sectors custom-made for each light
Oscillating Boundary	Factory-fitted option for PEL-6 Sector Lights

ENVIRONMENTAL

Temperature	-40° to 90°
Intrusion Protection	IP 66
Cooling	Fan forced

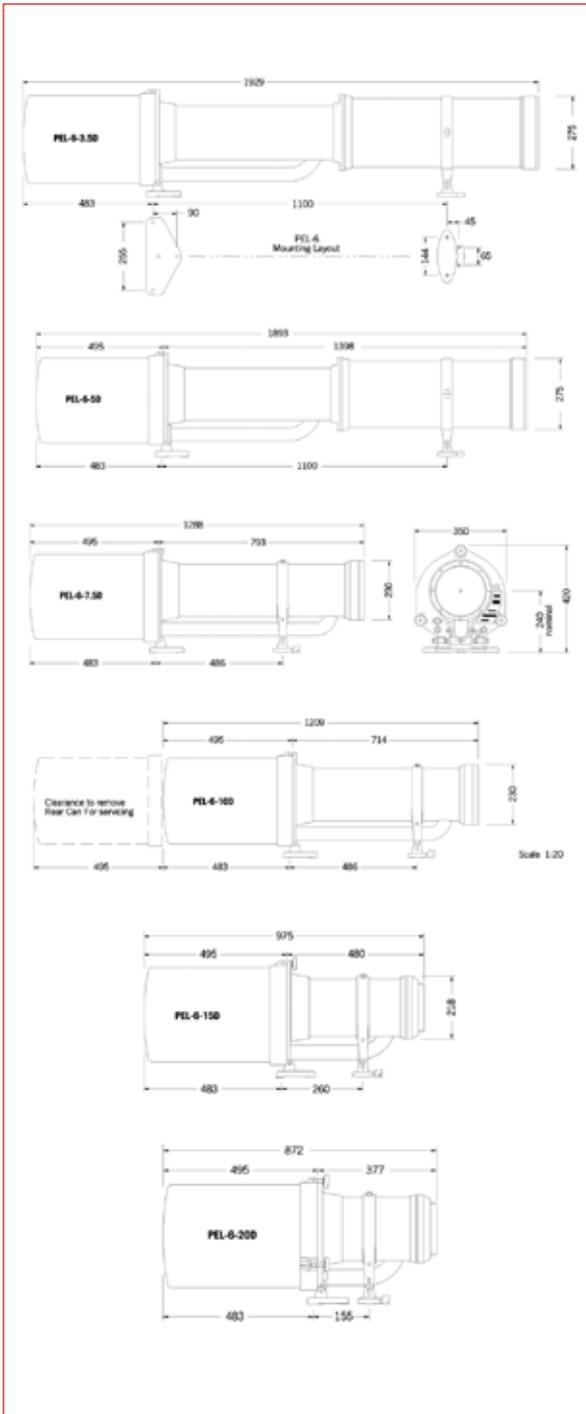
MATERIALS

Lens	Precision ground glass
Body	Gunmetal, stainless steel, copper tube
Mounting	See dimension page
Exterior finish	Epoxy primer surfacer, 2-pot polyurethane gloss

ELECTRICAL PERFORMANCE

Voltage	24-28VDC, battery float (mains or solar)
Battery Protection	Over voltage protection
Day/Night Transition	Automatic
Lamp Power Regulation	Pulse-width-modulation regulates power to lamp
Flasher/controller	CALC-2001 computer-assisted light controller
Lamp changer	Vega 6-position, VLC-152A (bi-pin mounting)

DIMENSIONS & WEIGHTS



PARTS FOR ORDERING

DESCRIPTION

PEL-6 Precision Sector Light

PRODUCT CODE FORMAT

PEL-6-D-S-TH100

Where D (Horizontal subtense) is
= 3.5°, 5°, 7°, 10°, 15°, 20°

Where S (Sector) is
= OB - Oscillating boundary
= FX - Fixed boundary

Example - PEL-6-15-OB-TH100

OPTIONAL EXTRAS

GPS Synchronization	GS
Extra Infrared Remote	Remote -02
Extra Filter Set Fixed	FA 600
Extra Filter Set Oscillating	OB 600

Vega prides itself on a long history of leading edge optical innovation. To enquire about customised options please email the sales team at sales@vega.co.nz.

For other factory options check out our website, www.vega.co.nz.



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