



Professional Series

► High Efficiency Range

Data Sheet

Maximum performance, cost saving efficiency. More lumens for your watt at approximately 160 lumens per watt on average. This results in a bright high output tape with less power requirements, making our high efficiency range an emission saving economical professional grade LED light source.

Professional High Efficiency, 24V, 90 LEDs per metre	pg.	1-3
Professional High Efficiency, 24V, 144 LEDs per metre	pg.	4-6

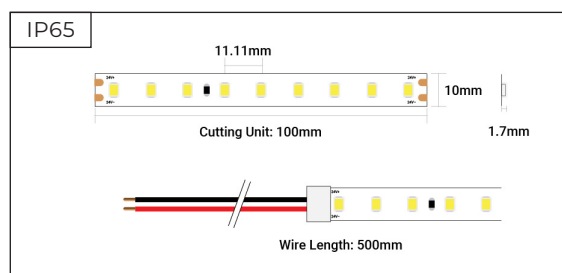
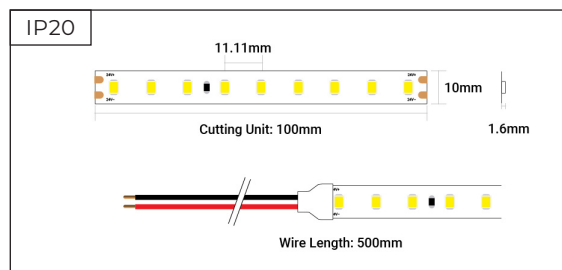


Professional High Efficiency
- 24V - 90 LEDs per metre

Available in:



Dimensions



Electrical Data

SKU	Voltage	Current Consumption			Power Consumption		
		Max.	Typ.	5m	Max.	Typ.	5m
PH24-27K-90-5M-80	24V	0.20A/m	0.18A/m	0.72A	4.8W/m	4.3W/m	17.3W
PH24-27K-90-5M-80-IP	24V	0.20A/m	0.18A/m	0.72A	4.8W/m	4.3W/m	17.3W
PH24-3K-90-5M-80	24V	0.20A/m	0.18A/m	0.72A	4.8W/m	4.3W/m	17.3W
PH24-3K-90-5M-80-IP	24V	0.20A/m	0.18A/m	0.72A	4.8W/m	4.3W/m	17.3W
PH24-4K-90-5M-80	24V	0.20A/m	0.18A/m	0.72A	4.8W/m	4.3W/m	17.3W
PH24-4K-90-5M-80-IP	24V	0.20A/m	0.18A/m	0.72A	4.8W/m	4.3W/m	17.3W
PH24-6K-90-5M-80	24V	0.20A/m	0.18A/m	0.72A	4.8W/m	4.3W/m	17.3W
PH24-6K-90-5M-80-IP	24V	0.20A/m	0.18A/m	0.72A	4.8W/m	4.3W/m	17.3W

Photometric & Light Data

SKU	Colour Temp	Dimmable	SDCM	Beam Angle
PH24-27K-90-5M-80	2700K	Yes	< 2	120°
PH24-27K-90-5M-80-IP	2700K	Yes	< 2	120°
PH24-3K-90-5M-80	3000K	Yes	< 2	120°
PH24-3K-90-5M-80-IP	3000K	Yes	< 2	120°
PH24-4K-90-5M-80	4000K	Yes	< 2	120°
PH24-4K-90-5M-80-IP	4000K	Yes	< 2	120°
PH24-6K-90-5M-80	6000K	Yes	< 2	120°
PH24-6K-90-5M-80-IP	6000K	Yes	< 2	120°

Photometric & Light Data (continued)

Colour	CCT / Wavelength	Lumens / m	Lumens / W	CRI
2700K	2700K	845	197	>80
3000K	3000K	890	207	>80
4000K	4000K	925	215	>80
6000K	6000K	890	207	>80

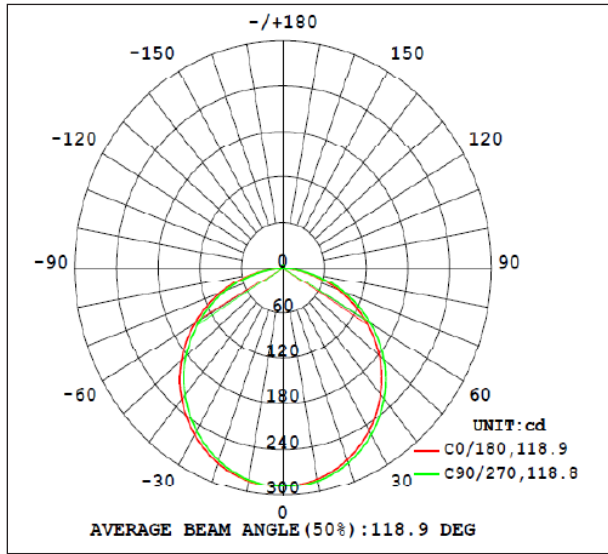
Mechanical Data

SKU	IP Rating	Cut Points	Cable Length	Cable End	LEDs / m
PH24-27K-90-5M-80	IP20	100mm	500mm	Dual End	90 LEDs
PH24-27K-90-5M-80-IP	IP65	100mm	500mm	Dual End	90 LEDs
PH24-3K-90-5M-80	IP20	100mm	500mm	Dual End	90 LEDs
PH24-3K-90-5M-80-IP	IP65	100mm	500mm	Dual End	90 LEDs
PH24-4K-90-5M-80	IP20	100mm	500mm	Dual End	90 LEDs
PH24-4K-90-5M-80-IP	IP65	100mm	500mm	Dual End	90 LEDs
PH24-6K-90-5M-80	IP20	100mm	500mm	Dual End	90 LEDs
PH24-6K-90-5M-80-IP	IP65	100mm	500mm	Dual End	90 LEDs

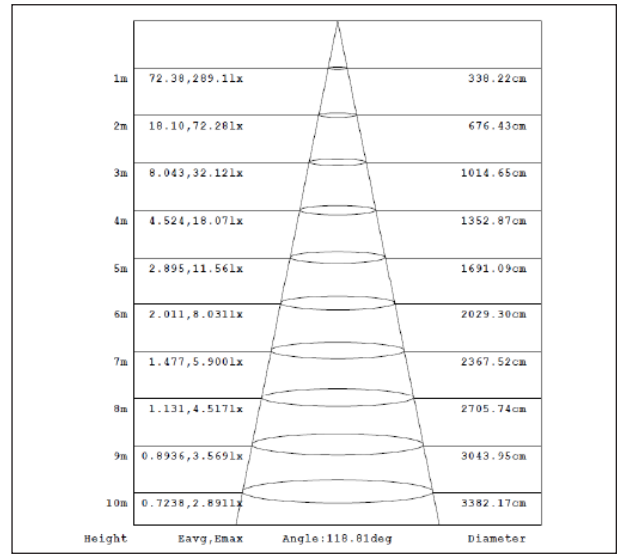
SKU	Adhesive Type	Bend Diameter	Operating Temp	Warranty
PH24-27K-90-5M-80	3M	∅ 60mm	-25°C ~ +40°C	3 Years
PH24-27K-90-5M-80-IP	3M	∅ 60mm	-25°C ~ +40°C	3 Years
PH24-3K-90-5M-80	3M	∅ 60mm	-25°C ~ +40°C	3 Years
PH24-3K-90-5M-80-IP	3M	∅ 60mm	-25°C ~ +40°C	3 Years
PH24-4K-90-5M-80	3M	∅ 60mm	-25°C ~ +40°C	3 Years
PH24-4K-90-5M-80-IP	3M	∅ 60mm	-25°C ~ +40°C	3 Years
PH24-6K-90-5M-80	3M	∅ 60mm	-25°C ~ +40°C	3 Years
PH24-6K-90-5M-80-IP	3M	∅ 60mm	-25°C ~ +40°C	3 Years

SKU	Length	Width	Height
PH24-27K-90-5M-80	5000mm	10mm	1.6mm
PH24-27K-90-5M-80-IP	5000mm	10mm	1.7mm
PH24-3K-90-5M-80	5000mm	10mm	1.6mm
PH24-3K-90-5M-80-IP	5000mm	10mm	1.7mm
PH24-4K-90-5M-80	5000mm	10mm	1.6mm
PH24-4K-90-5M-80-IP	5000mm	10mm	1.7mm
PH24-6K-90-5M-80	5000mm	10mm	1.6mm
PH24-6K-90-5M-80-IP	5000mm	10mm	1.7mm

Photometric Data (1000mm)



AAI Figure

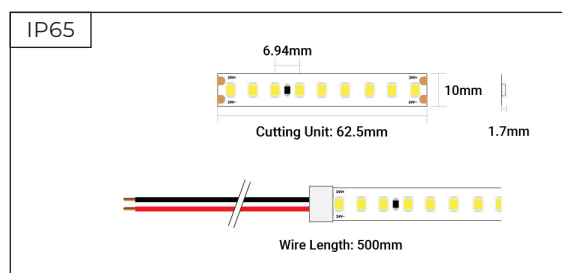
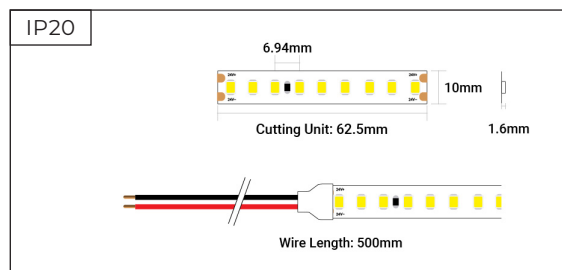


Professional High Efficiency
- 24V - 144 LEDs per metre

Available in:



Dimensions



Electrical Data

SKU	Voltage	Current Consumption			Power Consumption		
		Max.	Typ.	5m	Max.	Typ.	5m
PH24-27K-144-5M-80	24V	0.32A/m	0.29A/m	1.2A	7.7W/m	7.0W/m	28.8W
PH24-27K-144-5M-80-IP	24V	0.32A/m	0.29A/m	1.2A	7.7W/m	7.0W/m	28.8W
PH24-3K-144-5M-80	24V	0.32A/m	0.29A/m	1.2A	7.7W/m	7.0W/m	28.8W
PH24-3K-144-5M-80-IP	24V	0.32A/m	0.29A/m	1.2A	7.7W/m	7.0W/m	28.8W
PH24-4K-144-5M-80	24V	0.32A/m	0.29A/m	1.2A	7.7W/m	7.0W/m	28.8W
PH24-4K-144-5M-80-IP	24V	0.32A/m	0.29A/m	1.2A	7.7W/m	7.0W/m	28.8W
PH24-6K-144-5M-80	24V	0.32A/m	0.29A/m	1.2A	7.7W/m	7.0W/m	28.8W
PH24-6K-144-5M-80-IP	24V	0.32A/m	0.29A/m	1.2A	7.7W/m	7.0W/m	28.8W

Photometric & Light Data

SKU	Colour Temp	Dimmable	SDCM	Beam Angle
PH24-27K-144-5M-80	2700K	Yes	< 2	120°
PH24-27K-144-5M-80-IP	2700K	Yes	< 2	120°
PH24-3K-144-5M-80	3000K	Yes	< 2	120°
PH24-3K-144-5M-80-IP	3000K	Yes	< 2	120°
PH24-4K-144-5M-80	4000K	Yes	< 2	120°
PH24-4K-144-5M-80-IP	4000K	Yes	< 2	120°
PH24-6K-144-5M-80	6000K	Yes	< 2	120°
PH24-6K-144-5M-80-IP	6000K	Yes	< 2	120°

Photometric & Light Data (continued)

Colour	CCT / Wavelength	Lumens / m	Lumens / W	CRI
2700K	2700K	1370	196	>80
3000K	3000K	1445	206	>80
4000K	4000K	1505	215	>80
6000K	6000K	1445	206	>80

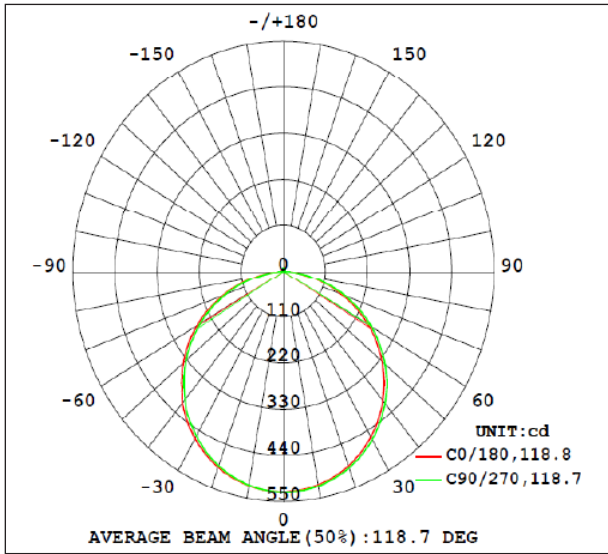
Mechanical Data

SKU	IP Rating	Cut Points	Cable Length	Cable End	LEDs / m
PH24-27K-144-5M-80	IP20	62.5mm	500mm	Dual End	144 LEDs
PH24-27K-144-5M-80-IP	IP65	62.5mm	500mm	Dual End	144 LEDs
PH24-3K-144-5M-80	IP20	62.5mm	500mm	Dual End	144 LEDs
PH24-3K-144-5M-80-IP	IP65	62.5mm	500mm	Dual End	144 LEDs
PH24-4K-144-5M-80	IP20	62.5mm	500mm	Dual End	144 LEDs
PH24-4K-144-5M-80-IP	IP65	62.5mm	500mm	Dual End	144 LEDs
PH24-6K-144-5M-80	IP20	62.5mm	500mm	Dual End	144 LEDs
PH24-6K-144-5M-80-IP	IP65	62.5mm	500mm	Dual End	144 LEDs

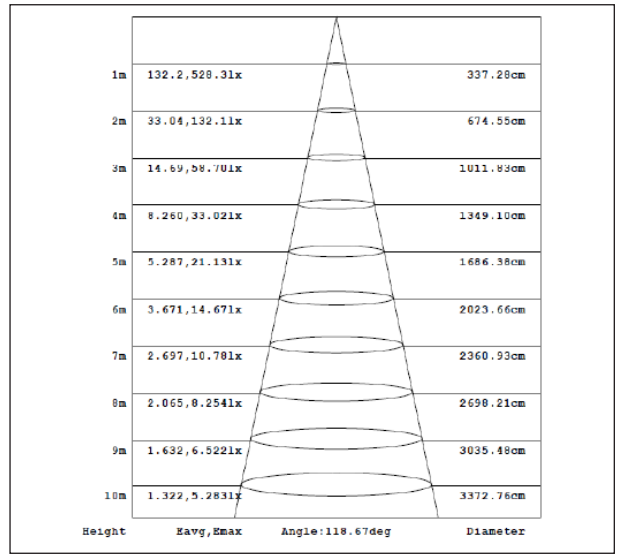
SKU	Adhesive Type	Bend Diameter	Operating Temp	Warranty
PH24-27K-144-5M-80	3M	ø 60mm	-25°C ~ +40°C	3 Years
PH24-27K-144-5M-80-IP	3M	ø 60mm	-25°C ~ +40°C	3 Years
PH24-3K-144-5M-80	3M	ø 60mm	-25°C ~ +40°C	3 Years
PH24-3K-144-5M-80-IP	3M	ø 60mm	-25°C ~ +40°C	3 Years
PH24-4K-144-5M-80	3M	ø 60mm	-25°C ~ +40°C	3 Years
PH24-4K-144-5M-80-IP	3M	ø 60mm	-25°C ~ +40°C	3 Years
PH24-6K-144-5M-80	3M	ø 60mm	-25°C ~ +40°C	3 Years
PH24-6K-144-5M-80-IP	3M	ø 60mm	-25°C ~ +40°C	3 Years

SKU	Length	Width	Height
PH24-27K-144-5M-80	5000mm	10mm	1.6mm
PH24-27K-144-5M-80-IP	5000mm	10mm	1.7mm
PH24-3K-144-5M-80	5000mm	10mm	1.6mm
PH24-3K-144-5M-80-IP	5000mm	10mm	1.7mm
PH24-4K-144-5M-80	5000mm	10mm	1.6mm
PH24-4K-144-5M-80-IP	5000mm	10mm	1.7mm
PH24-6K-144-5M-80	5000mm	10mm	1.6mm
PH24-6K-144-5M-80-IP	5000mm	10mm	1.7mm

Photometric Data (1000mm)



AAI Figure






tagra[®]

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