

PULSE

—SPOTLIGHT—

PULSE PRO DUAL

AI Powered Spotlight System

Pulse AI Pro Dual is an AI-powered spotlight designed for precision and adaptability. Equipped with dual smart sensors, it is able intelligently assess and respond to its environment, enhancing colours, setting scenes responding to movement and mapping activity within its range. With 360° horizontal rotation, 90° vertical adjustment, and interchangeable lenses, Pulse AI Pro delivers customizable, intelligent illumination—perfect for spaces that demand both performance and control. Retail, Galleries, Exhibition

Physical

Dimensions

20W Ø 70mm x 162mm H
35W Ø 80mm x 181mm H

Weight

1.0 kg

Finish Option

Powdercoat Black RAL 7021
Powdercoat White RAL9016

Adjustment

Tilt 90°
Rotation 360°

Mounting Options

mLight 4 Wire 3 Circuit Track @Standard
2 Wire 1 Circuit Track @Available upon request

Ambient Operating Temperature

T_a -10° to 30 °C

Environmental

IP20
IK06

Accessories

Honeycomb

Warranty

5 Years

Electrical

Control Gear

Integrated
Flicker Free
Switches Cycle >100,000

Power Consumption Range

20W
35W

Luminous Efficacy

Up to 77.14 Lm/W @ 2700lm, 35 W

Lumen Maintenance

72,000 hours (L80/B10 at T_a 25°C)

Features

AIColour
AICCT
AIBBS
AISpace

Dimming Options

Dimmable via App
Manual / Programming

Control Options

Hybrid
(Bluetooth via Apps)

Photometrics

Flux Range

20W 1600 Lm @mLight 3-Circuit Track
35W 2700 Lm @mLight 1-Circuit Track

Beam Angle

Optics
Medium 24°
Wide 36°
Extra Wide 50°

Light Source

LED COB (RGB+W)

Correlated Colour Temperature

3000K and RGB
(2700K-6500K with Colour Enhancement)

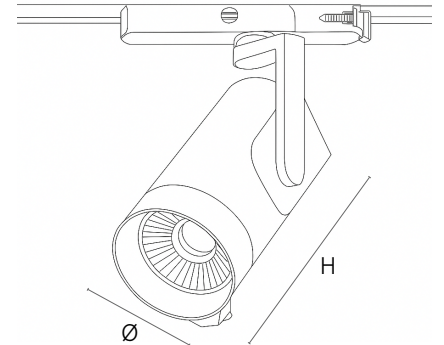
Tunable 2700K-6500K (W)

Colour Rendering Index

CRI90+ (95+)

SDCM

<3



App Download



User Manual Video



User Manual PDF



Optical and Electrical values are subject to a tolerance of +/- 10%.

Lumen Output values are "delivered" lumens, which take into consideration losses in the diffuser. These values are more relevant than source lumens, as luminaire efficiency is accounted for. Values given above are based on 4000K and T_p of 65°C

All product specifications are correct at time of printing, and subject to change without notice.

Rev 1.3
Date 09.2025
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PULSE PRO

AI Powered Spotlight System

Pulse AI Pro is an AI-powered spotlight designed for precision and adaptability. Equipped with dual smart sensors, it is able intelligently assess and respond to its environment, enhancing colours, setting scenes responding to movement. With 360° horizontal rotation, 90° vertical adjustment, and interchangeable lenses, Pulse AI Pro delivers customizable, intelligent illumination—perfect for spaces that demand both performance and control.

Physical

Dimensions

20W Ø 70mm x 162mm H
35W Ø 80mm x 181mm H

Weight

1.0 kg

Finish Option

Powdercoat Black RAL 7021
Powdercoat White RAL 9016

Adjustment

Tilt 90°
Rotation 360°

Mounting Options

mLight 4 Wire 3 Circuit Track @Standard
2 Wire 1 Circuit Track @Available upon request

Ambient Operating Temperature

T_a -10° to 30 °C

Environmental

IP20
IK06

Accessories

Honeycomb

Warranty

5 Years

Electrical

Control Gear

Integrated
Flicker Free
Switches Cycle >100,000

Power Consumption Range

20W
35W

Luminous Efficacy

Up to 77.14 Lm/W @ 2700lm, 35 W

Lumen Maintenance

72,000 hours (L80/B10 at T_a 25°C)

Features

AI Colour
AICCT
AISpace

Dimming Options

Dimmable via App
Manual / Programming

Control Options

Hybrid
(Bluetooth via Apps)

Photometrics

Flux Range

20W 1600 Lm @mLight 3-Circuit Track
35W 2700 Lm @mLight 1-Circuit Track

Beam Angle

Optics
Medium 24°
Wide 36°
Extra Wide 50°

Light Source

LED COB (RGB+W)

Correlated Colour Temperature

3000K and RGB
(2700K-6500K with Colour Enhancement)

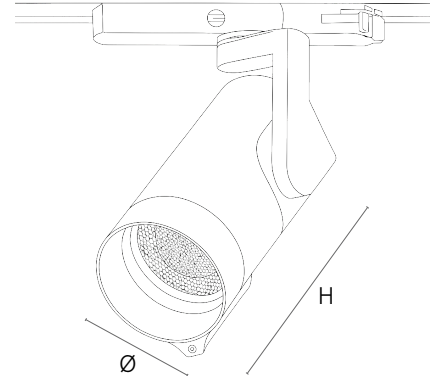
Tunable 2700K-6500K (W)

Colour Rendering Index

CRI90+ (95+)

SDCM

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PULSE

Spotlight System

Pulse is a high-performance spotlight designed for ultimate flexibility. Featuring interchangeable lenses, it allows precise beam control to suit different lighting needs—from narrow accent beams to wide area coverage. With 360° horizontal rotation and 90° vertical adjustability, Pulse ensures you can direct light exactly where it's needed. The Pulse can also act as a slave to the Pro and Pro Dual devices.

Physical

Dimensions

20W Ø 70mm x 162mm H
35W Ø 80mm x 181mm H

Weight

1.0 kg

Finish Option

Powdercoat Black RAL 7021
Powdercoat White RAL 9016

Adjustment

Tilt 90°
Rotation 360°

Mounting Options

mLight 4 Wire 3 Circuit Track @Standard
2 Wire 1 Circuit Track @Available upon request

Ambient Operating Temperature

T_a -10° to 30 °C

Environmental

IP20
IK06

Accessories

Honeycomb

Warranty

5 Years

Electrical

Control Gear

Integrated
Flicker Free
Switches Cycle >100,000

Power Consumption Range

20W
35W

Luminous Efficacy

Up to 77.14 Lm/W @ 2700lm, 35 W

Lumen Maintenance

72,000 hours (L80/B10 at T_a 25°C)

Features

Slave device
AiColour

Dimming Options

Dimmable via App
Manual / Programming

Control Options

Hybrid
(Bluetooth via Apps)

Photometrics

Flux Range

20W 1600 Lm @mLight 3-Circuit Track
35W 2700 Lm @mLight 1-Circuit Track

Beam Angle

Optics
Medium 24°
Wide 36°
Extra Wide 50°

Light Source

LED COB (RGB+W)

Correlated Colour Temperature

3000K and RGB
(2700K-6500K with Colour Enhancement)

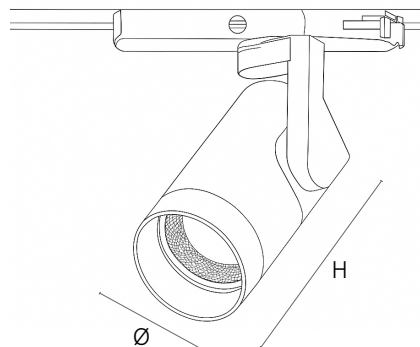
Tunable 2700K-6500K (W)

Colour Rendering Index

CRI90+ (95+)

SDCM

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User Manual PDF



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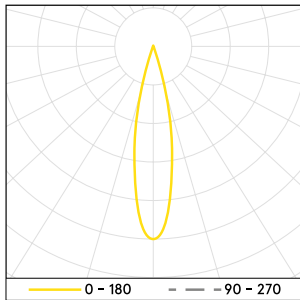
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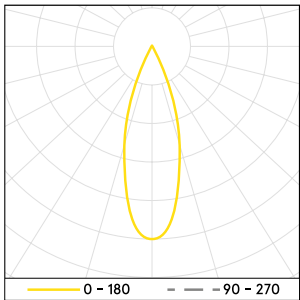
Photometric Curve

24° Beam Angle



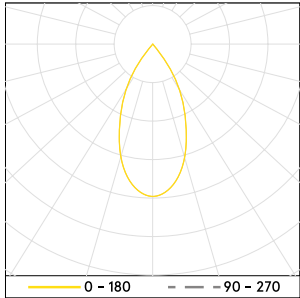
Flux Range
1600lm @20 W
2700lm @35 W

36° Beam Angle



Flux Range
1600lm @20 W
2700lm @35 W

50° Beam Angle



Flux Range
1600lm @20 W
2700lm @35 W

Specification Statement

Use the below statement for your schedules, specifications, or quotes.

Guide: Copy and paste into your document.
Remove unwanted options in **Green**.
Add custom data points where noted in **Blue**.

Pulse with **(5 Year)** Product Warranty, as manufactured by mLight Pty Ltd. Product complete with LED Tape, remote **(Fixed Output/Bluetooth/TRIAC)** control gear, supports for track mounted. Dimensions **(xxxx)** mm long, with **(Black/White)** powdercoat finish. **(xxxx)** Lm/m, **(xxxx)** W/m, L80 B10 54,000 hrs at Ta 25°C. Installation as per MLight recommendations.

Coding System

Use the below to code your solution for ease of quoting and discussing with our team.
Start with **PULSE** and then follow on with additional codes.

EG: PULSE-AIP-30W-TR-95-24-AIA-BL-HY

Type	Code	Power	Code	Mounting	Code	CRI	Code	Beam Angle	Code	CCT / Light	Code	Colour	Code	Dimming Option	Code
Pulse AI Pro Dual	AIPD	20 W	20W	Track Mounted	TR	95+	95	24°	24	AI Adaptive	AIA	Black	BL	Hybrid	HY
Pulse AI Pro	AIP	35 W	35W					36°	36			White	WH		
Pulse	P							50°	50						

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INTEGRATE LIGHT WITH LIFE, BEAUTIFULLY
