

SPECTA*i*

—SPOTLIGHT—

SPECTA

AI Powered Spotlight System

The Specta AI Dual combines two sensors and AI technology to deliver a smart customizable lighting solution. Combined with a variation of mounting options and a Master / Slave mode the Specta system will cover a range of project expectations.

Physical

Dimensions

30W
15W Ø 70mm x 135mm H

Weight

1.0 kg
0.7 kg

Finish Option

Powdercoat Black / White

Adjustment

Tilt 90°
Rotation 360°

Electrical

Control Gear

Integrated

Power Consumption Range

15W
30W

Luminous Efficacy

Up to 76.6 Lm/W @ 2300lm, 30.0 W, 3000K
Up to 76.6 Lm/W @ 1150, 15.0 W, 3000K

Lumen Maintenance

50,000 hours (L70/B10 at T_a 25°C)

Dimming Options

Dimmable via App

Control Options

AICOLOUR
(Auto, Snap & Tune, Custom)
AISPAC
AIBBS
Master / Slave

Mounting Options

Track Mounted *mLight 3-Circuit Track*
Surface Mounted
Wire Suspended
Recessed

Ambient Operating Temperature

T_a -10° to 30 °C

Environmental

IP20

Warranty

5 Years

Photometrics

Flux Range

15W 1150 Lm
30W 2300 Lm

Beam Angle

Optics
Narrow 15°
Medium 24°
Wide 36°

Light Source

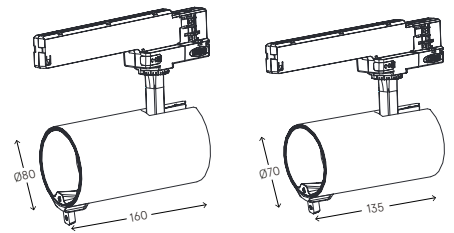
LED COB (RGB+W)

Correlated Colour Temperature

2700K-6500K with Colour Enhancement

Colour Rendering Index

95+



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 4.3
Date 09.2025
Page 2 of 5

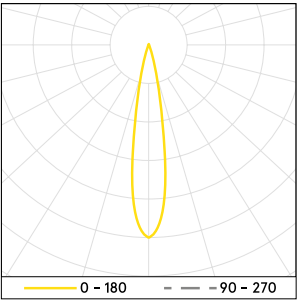
SPECTA

AI Powered Spotlight System



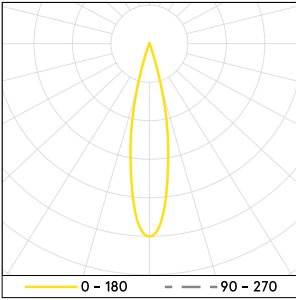
Photometric Curve - 30W

15° Beam Angle



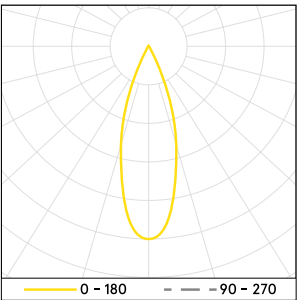
Flux Range	
15W	1100lm @3000K 1150lm @4000K
30W	2140lm @3000K 1900lm @4000K

24° Beam Angle



Flux Range	
15W	1150lm @3000K 1150lm @4000K
30W	2190lm @3000K 1890lm @4000K

36° Beam Angle



Flux Range	
15W	1150lm @3000K 1150lm @4000K
30W	2330lm @3000K 2010lm @4000K

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.

SPECTA

AI Powered Spotlight System

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**.

Specta AI with **(5 Year)** Product Warranty, as manufactured by mLight Pty Ltd. Product complete with Tunable CCT, remote **(Dim via Apps)** control gear, supports for track mounted. Dimensions **(Ø 80/Ø 70)** mm diameter, with **(Black/White)** powdercoat finish. **(xxxx)** Lm, **(xxxx)** W, L70 B10 50,000 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 **SPECTA-AI** and then follow on with additional codes.

EG: SPECTA-AI-Ø80-15W-TR-95-24-TUN-BL-APP

Dimension	Code	Power	Code	Mounting	Code	CRI	Code	Beam Angle	Code	CCT / Light	Code	Colour	Code	Dimming Option	Code
Ø 80 x 160H	Ø80	15 W	15W	Track Mounted	TR	95+	95	15°	15	Tunable (2700K-6500K)	TUN	Black	BL	Apps	App
Ø 70 x 135H	Ø70	30 W	30W	Surface Mounted	SM			24°	24			White	WH		
				Wire Suspended	WS			36°	36						
				Recessed	REC										

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.

INTEGRATE LIGHT WITH LIFE, BEAUTIFULLY
