2021
PRODUCT
CATALOGUE
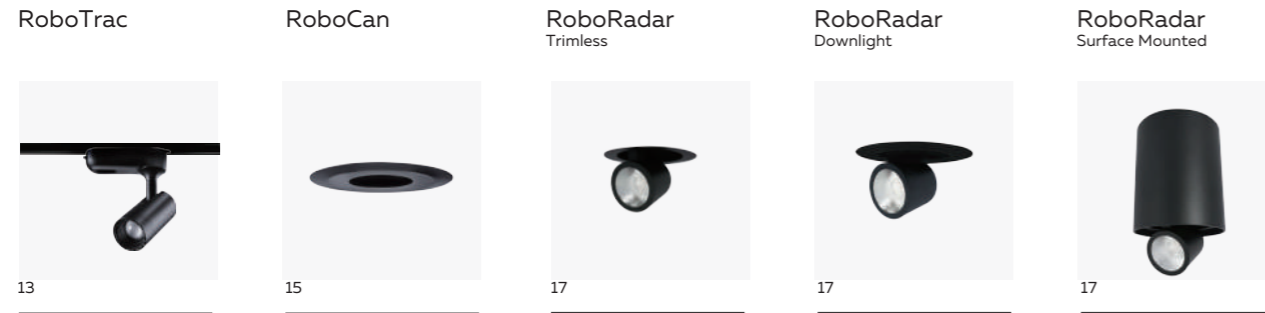
LIGHTING
FOR ARCHITECTURAL,
HOSPITALITY &
RETAIL APPLICATIONS

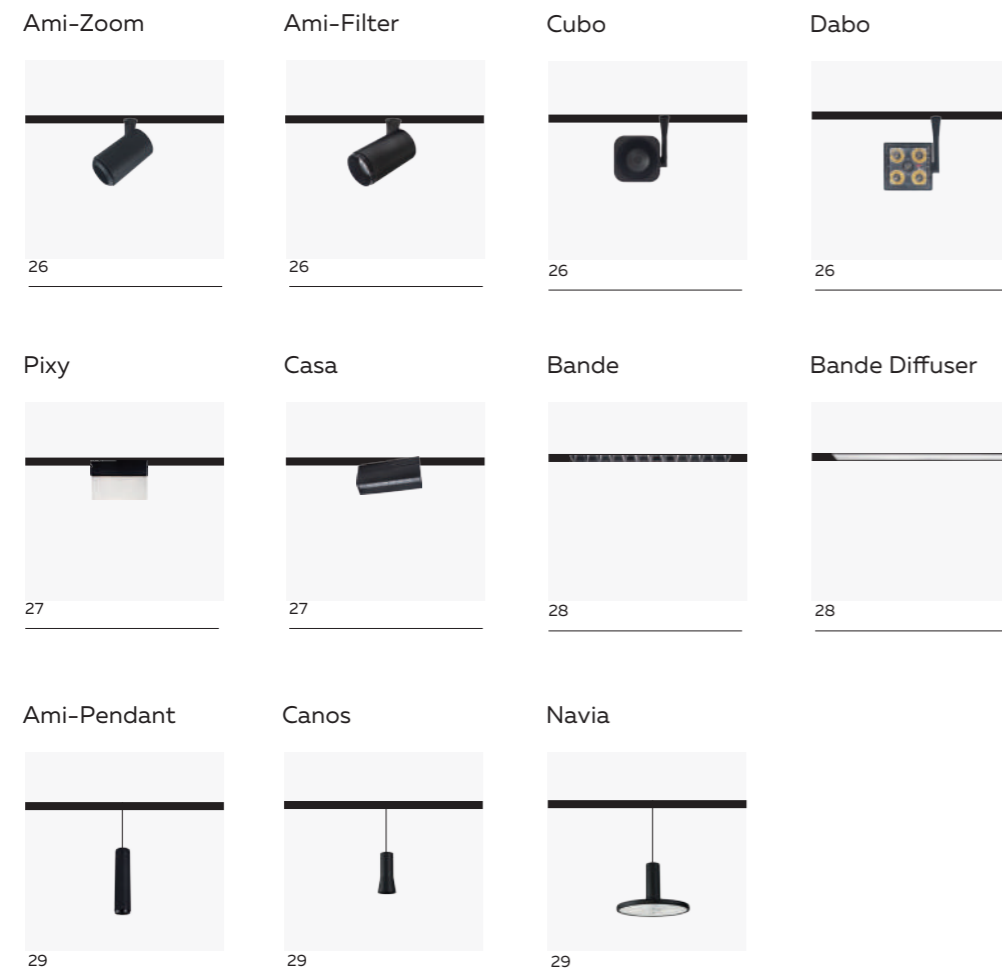# IT IS ON YOU

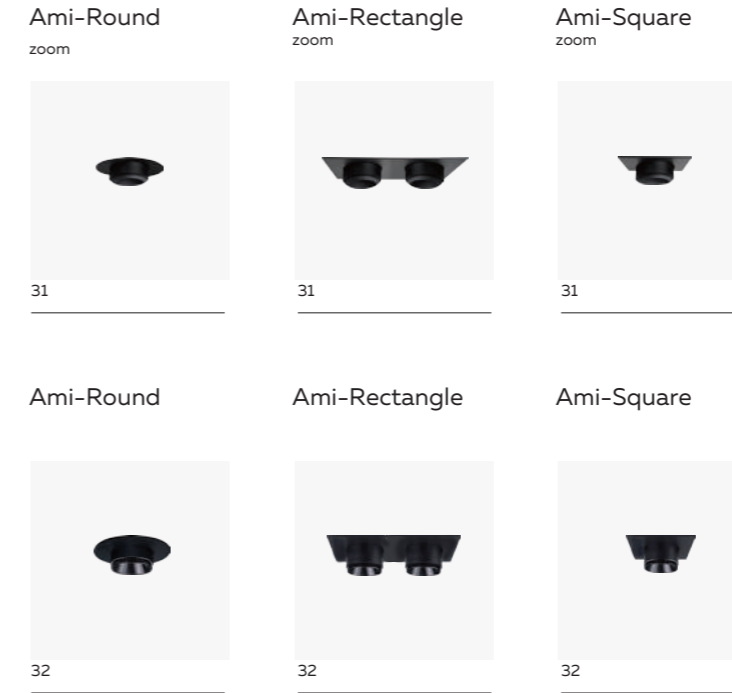# Robo | Motorized Lighting

RoboTrac

13

RoboCan

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RoboRadar
Trimless

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RoboRadar
Downlight

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RoboRadar
Surface Mounted

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Maga | Low-Voltage Track

Ami-Zoom

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Cubo

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Dabo

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Key Features
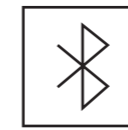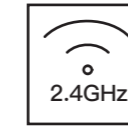
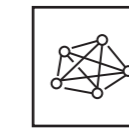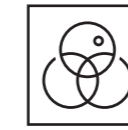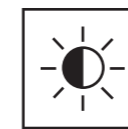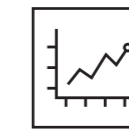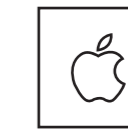|					
ZigBee	Bluetooth	2.4G	Mesh	Remote control	Zoomable
Pan & Tilt	Unit	Group	Scene	Schedule	Floormap
Tunable	Brightness	Sensor	Report	Android*	IOS*
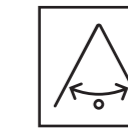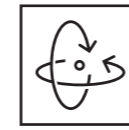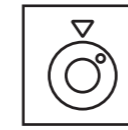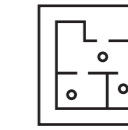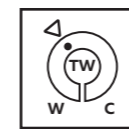
Note

*...the application with the certain series

Robo

Motorized Remote Control Lighting

ON

The Robo series is a motorized lighting system that uses wireless control technology. In high ceilings and those applications requiring dynamic lighting scenarios, labor costs and other maintenance fees can be reduced.

In order to provide a better lighting experience and simpler control methods in these areas, we chose wireless control technology to design the Robo series. In addition, they are able to pan and tilt to adjust the illumination angle, the light can also be zoom-in and zoom-out to change the beam angle, creating more possibilities for lighting.

ON uses a stepping motor to power the Robo series. Reducing the deceleration noise when a servo motor stops, it also controls the stroke of the lamp more accurately, allowing users to operate the APP interface more easily and know the precise rotation angle and illumination angle of the fixtures.

For a better understanding of Robo series' application. ON distinguishes between environments that require different motorized lighting and provides various appropriate wireless control solutions accordingly to different lighting needs.

Robo series' application

|	Big site	Medium site	Small site
	Ceiling height 6-8m	Ceiling height 4 -6 m	Ceiling height 3 -4 m
	100 or more fixtures	30-100 fixtures	1-30 fixtures
Frequently dynamic lighting (eg. car show room)	LynxusPro**	LynxusPro** LynxLite* 2.4G	LynxusPro** LynxLite* 2.4G
Repeated lighting scene (eg. ballroom, lobby, international conference room)	LynxusPro**	LynxusPro** LynxLite*	LynxusPro** LynxLite*
Occasional lighting adjustment (eg. museum, gallery, retail window)	LynxusPro** 2.4G	LynxusPro** LynxLite* 2.4G	LynxusPro** LynxLite* 2.4G

Notes:
*... LynxusLite (Bluetooth)
**... LynxusPro (ZigBee)

Create your own lighting scenarios

Use RoboTrac and RoboCan to create your own lighting scenarios. This series allow you to create, save and retrieve the right lighting ambience for every situation. On business premises or in hotels, for employees, clients or visitors - the intelligent technical features and timeless design of ON lighting technology guarantee a pleasant atmosphere. It's all ON you!
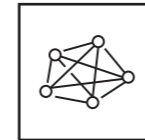
Mesh Network

Easy mesh network set-up and self-healing features help users to focus on lighting applications for scenes, scheduling, daylight harvesting etc. Flexible options available to meet all user needs: with gateways for large-scale deployment or via 2.4 GHz remote control for small applications.

Motor Control

The motorized recessed light is controlled by two motors. The light head can be tilted by 30° in both directions and rotated horizontally by 355°. All the movements of the fixture can be remotely controlled via the app.
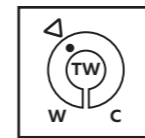
Light Control

For fixtures of this type, press the individual device icon to display the "Light Control" panel. For dimmable light, the panel only contains a level bar and on/off switch, while for colored dimmable light, it contains a color wheel and color temperature bar. Select "Switch to Color Temperature mode" to change to a different control panel.

2.4G Remote Control — **LynxLite (Bluetooth) IOS** — **LynxusPro (ZigBee) Android** — **Gateway**
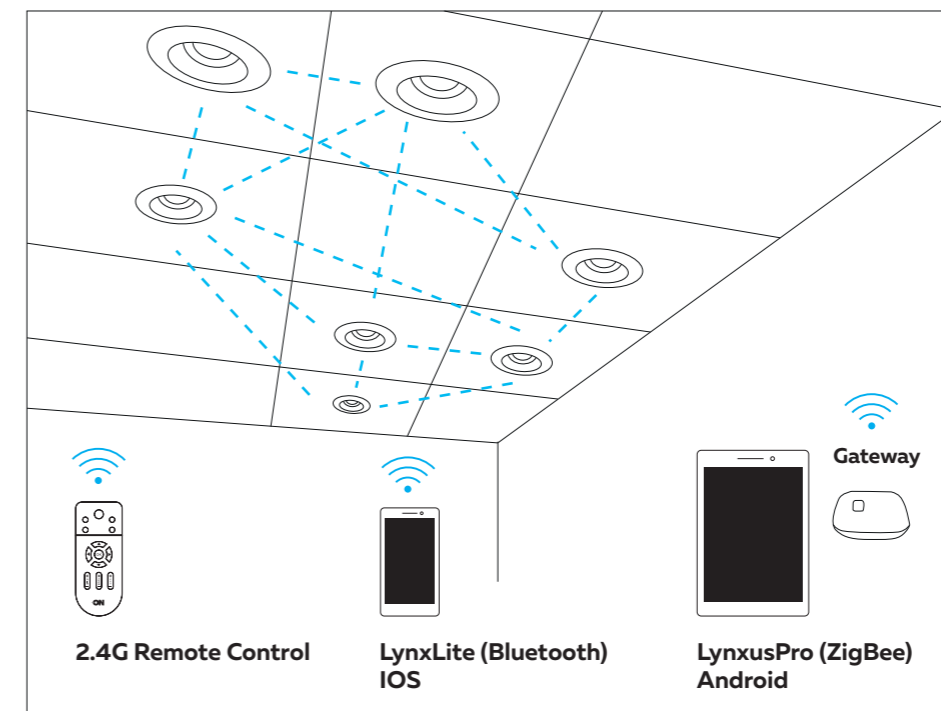
LynxLite

Bluetooth, IOS

▌ Add device
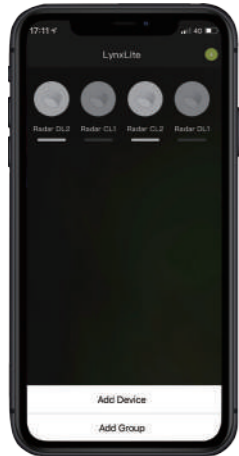
▌ Binding device

▌ Adjust the light status

▌ Set scene
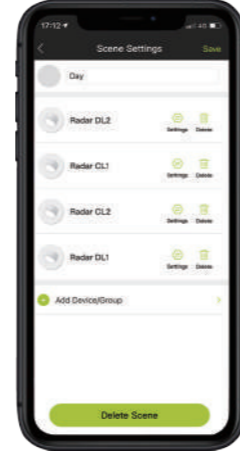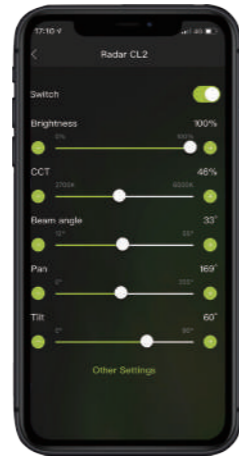
▌ Scene select
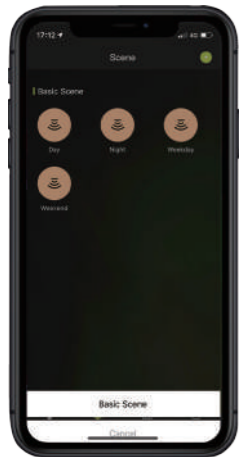
LynxusPro

ZigBee, Android

▌ Main Page
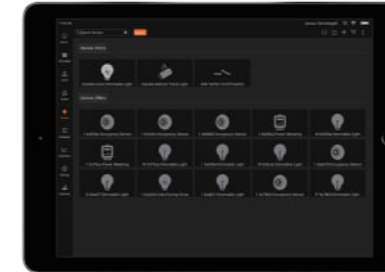
▌ Light Control

▌ Motor Control

▌ Pairing
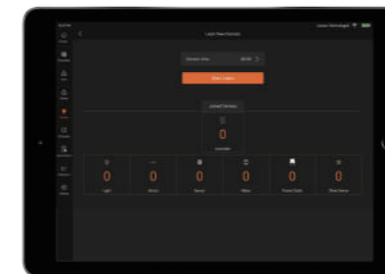
▌ Configuration
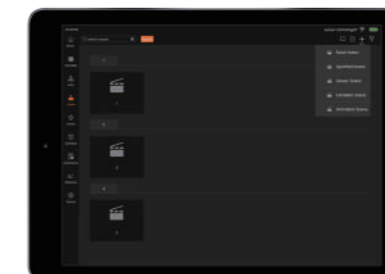
▌ Calibration
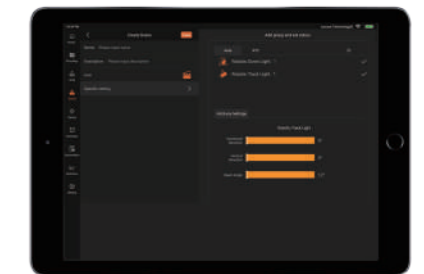
Robo Series

Wireless protocol

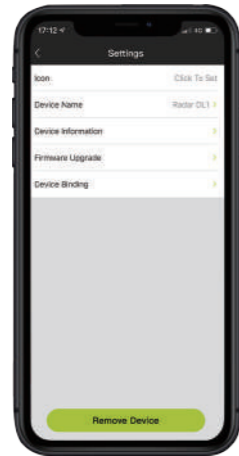|	ZigBee	Bluetooth	2.4G
	LynxusPro	LynusLite	Remote control
Radio	DSSS	FHSS	FHSS
Range (node to node)	15-100M	15-30M	15 M
Network Topology	Mesh	Mesh	Mesh
Extendability	YES	YES (add Gateway / cloud)	NO
Gateway	YES	NO (depending on conditions)	NO
APP System	Android	IOS	N/A
Wifi Environment	NO	NO (cloud pending)	NO

Note

*ON's ZigBee system can connect another brand's ZigBee fixtures (standard ZigBee protocol), not all fixtures must be from ON.

RoboTrac

LED SOURCE
CRI>90
CCT: 2700K,3000K, 4000K, Tunable

OPTIC
LENS: Small angle.medium angle zoomable.

DRIVER
Driver: Integrated in the gearbox.
Control: Lynxuspro, 2.4G Remote control.

ACCESSORIES
See page 42 for optical accessories.

FINISH
Black or white

DESIGN PLUS
powered by: **light+building**

Vertical	●———————	39°
Horizontal	———————●———	169°
Beam	——————●———	27°
Brightness	—————————●—	77%
CCT	————●——————	4360K

Description

RoboTrac is available in 3 optics: 7°narrow angle, 24°medium angle and zoomable (12°-55°) , with its lamp body diameter in 90mm.

Die casting lamp body offers a better heat-dissipation capability. Poly carbon gearbox gives the wireless module a better transiting condition if it is not to be shielded by a metal case. Three DC stepping motors drive 3 axis movement of the fixture. Tilting 90°, rotating 355° and zoom optics from 12° to 55° which allow users to adjust the light beam easily.

Stepping motors, meanwhile, provide a tranquil control experience by the ZigBee control method. Users can control every step by the app, which allows professional users to adjust the luminaire precisely. Moreover, the ZigBee version is capable of creating and memorizing multiple zones and scenes. By connecting a gateway allows a wifi-free environment. Users can recall the scene with just one click. All the movements of the fixture, beam-shaping, brightness and the color tuning will change just-in-time.

Universal joint

Enables 90° vertical tilt and 355°horizontal rotation. Available with three-circuit track adapter.
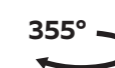
Optical

The beam spread can be adjusted smoothly and seamlessly from 12° to 55°with ample light output. Fixed angle 7 °and 24 °lenses are also available.

Body

Motorized track spotlight with die-cast body and aluminum joint for structural sturdiness and better heat dissipation.
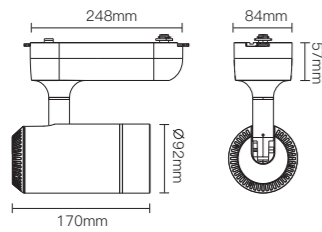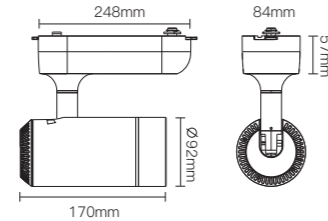
90° Swiveling   **355°** Rotating
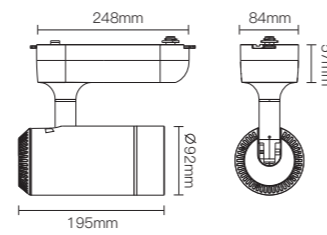
RoboTrac

IP20 · zigbee · 2.4GHz · 90° · 355° · CE · CCC

RoboTrac
7°

RoboTrac
24°

RoboTrac
zoom 12°–55°

248mm · 84mm · 57mm · Ø92mm · 170mm

248mm · 84mm · 57mm · Ø92mm · 170mm

248mm · 84mm · 57mm · Ø92mm · 195mm

Ordering Code eg.: **T L R T 2 8 2 7 9 0 0 7 4 0 1**

	Product Code	System Power	CCT		>CRI	Beam Angle		Tpycal Lumen	Driver Control		Finsh Color	
RoboTrac	**TLRT**	**28** 28W	**27**	2700K	**90**	**07**	7°	2000lm	**4**	Zigbee	**01**	Black
			30	3000K				2260lm	**6**	2.4G	**02**	White
			40	4000K				2600lm				
			27	2700K	**90**	**24**	24°	1800lm				
			30	3000K				2000lm				
			40	4000K				2300lm				
			27	2700K	**90**	**Z1**	12°–55°	1550lm				
			30	3000K				1600lm				
			40	4000K				1600lm				
			TW	Tunable	**90**	**24**	24°	1900lm				
						Z1	12°–55°	1550lm				

Notes:
❶ For other CCT and CRI options, please contact us.
❷ Driver: 220-240Vca, 50/60Hz
❸ Honeycomb louvre is available for zoomable version, see page 42

RoboCan

LED SOURCE

CRI>90
CCT: 2700K,3000K, 4000K, Tunable

OPTIC

LENS: small angle, medium angle.
For other requests, please contact us.

DRIVER
Driver: Integrated 220V ac input driver.
Control: Lynxuspro, 2.4G Remote control.

ACCESSORIES

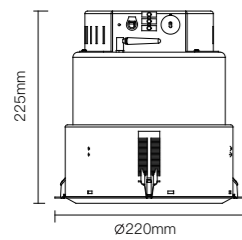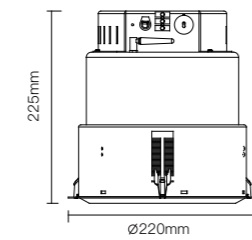No accessories available

FINISH

Black or white

2021 Catalogue

RoboCan

**RoboCan
7°**

**RoboCan
24°**

Ø200mm

Ø200mm

225mm

225mm

Ø220mm

Ø220mm

Ordering Code eg.: D L R C 2 8 2 7 9 0 0 7 4 0 1

	Product Code	System Power	CCT		>CRI	Beam Angle		Typical Lumen	Driver Control		Finish Color	
RoboCan	**DLRC**	**28** 28W	**27**	2700K	**90**	**07**	7°	1735lm	**4**	Zigbee	**01**	Black
			30	3000K				1830lm	**6**	2.4G	**02**	White
			40	4000K				1960lm				
			57	5700K				1960lm				
			27	2700K	**90**	**24**	24°	1735lm				
			30	3000K				1830lm				
			40	4000K				1960lm				
			57	5700K				1960lm				
			TW	Tunable	**90**	**24**	24°	1300lm–1700lm				

Notes:
❶ For other CCT and CRI options, please contact us.
❷ Driver: 220-240 Vac, 50/60Hz
❸ For other beam angles, please contact us.

RoboRadar

LED SOURCE

CRI>90
CCT: 2700K,3000K, 4000K,Tunable

OPTIC

Reflector, Lens: small, midium, wide angle.
For other requests, please contact us.

DRIVER

Integrated 220Vac input driver.
Control: LynxLite.

ACCESSORIES

No accessories available
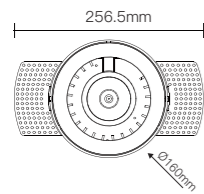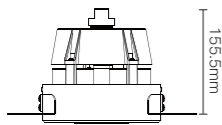
FINISH

Black or white

RoboRadar

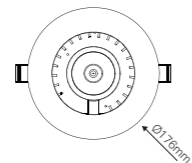IP20 | Bluetooth | 2.4GHz | 90° | 365° | CE | CCC

RoboRadar Trimless

Ø175mm

155.5mm

256.5mm

Ø160mm

RoboRadar Downlight

Ø165mm

155.5mm

Ø175mm

RoboRadar Surface Mounted

198mm / 190mm

Ø160mm
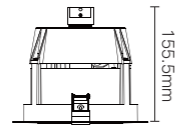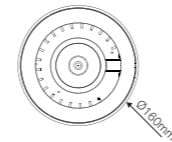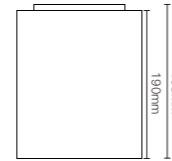
Ordering Code eg.: R10120279015501

	Product Code	System Power	CCT		>CRI	Beam Angle		Typical Lumen	Driver Control		Finish Color	
RoboRadar Trimless	**R101**	**20** 20W	**27**	2700K	**90**	**15**	15°	1500lm	**5**	Bluetooth	**01**	Black
			30	3000K		**24**	24°	1500lm	**6**	2.4G	**02**	White
			40	4000K		**36**	36°	1500lm				
RoboRadar Downlight	**R102**		**TW**	Tunable	**90**	**24**	24°	1500lm				
						36	36°	1500lm				
RoboRadar Surface Mounted	**R201**											

Notes:
❶ For other CCT and CRI options, please contact us.
❷ Driver: 220-240 Vac, 50/60Hz
❸ For other beam angles, please contact us.

Maga

Low-Voltage Magnet Tracking System

MST1

MST6

MST5

MST7

Casa   Dabo   Cubo   Pixy

Ami-zoom   Ami-filter

Canos   Ami-pendant   Navia

Bande diffuser

Bande

48Vdc

The range of possibilities for creating smaller and compact luminaires is now much wider.
The 48V magnet track system allows the track to blend into the interior design and brings a soothing and superior lighting experience .

Round spot

Ami-Zoom   Ami-Filter

Square spot

Cubo   Dabo

Wallwash

Pixy   Casa

Linear

Bande   Bande diffuser

Suspension

Ami-pendant   Canos   Navia
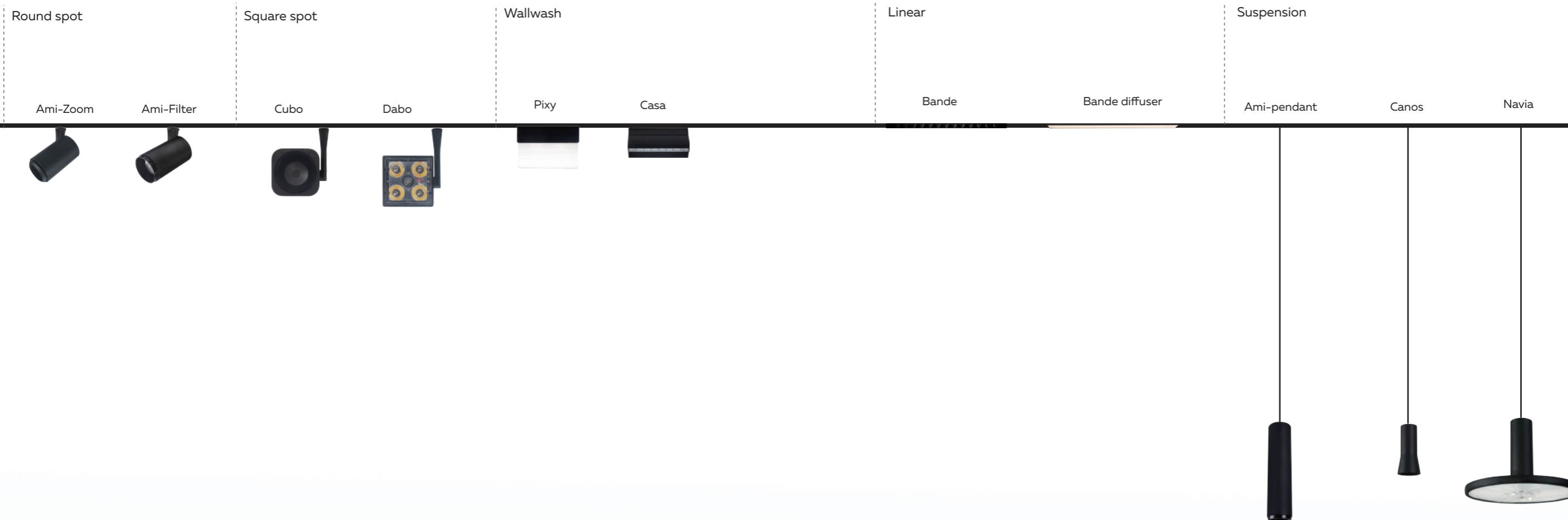
Magnet Low-Voltage Tracking System

A comprehensive collection for retail and residential lighting applications. The innovative design allows the fixtures to be secured anywhere and powered along the track with magnets. This superior lighting system allows full mobility and flexibility, providing different beam spread accessories to change the beam angle and light pattern without tools. A sophisticated tracking system to fulfill your imagination of lighting.
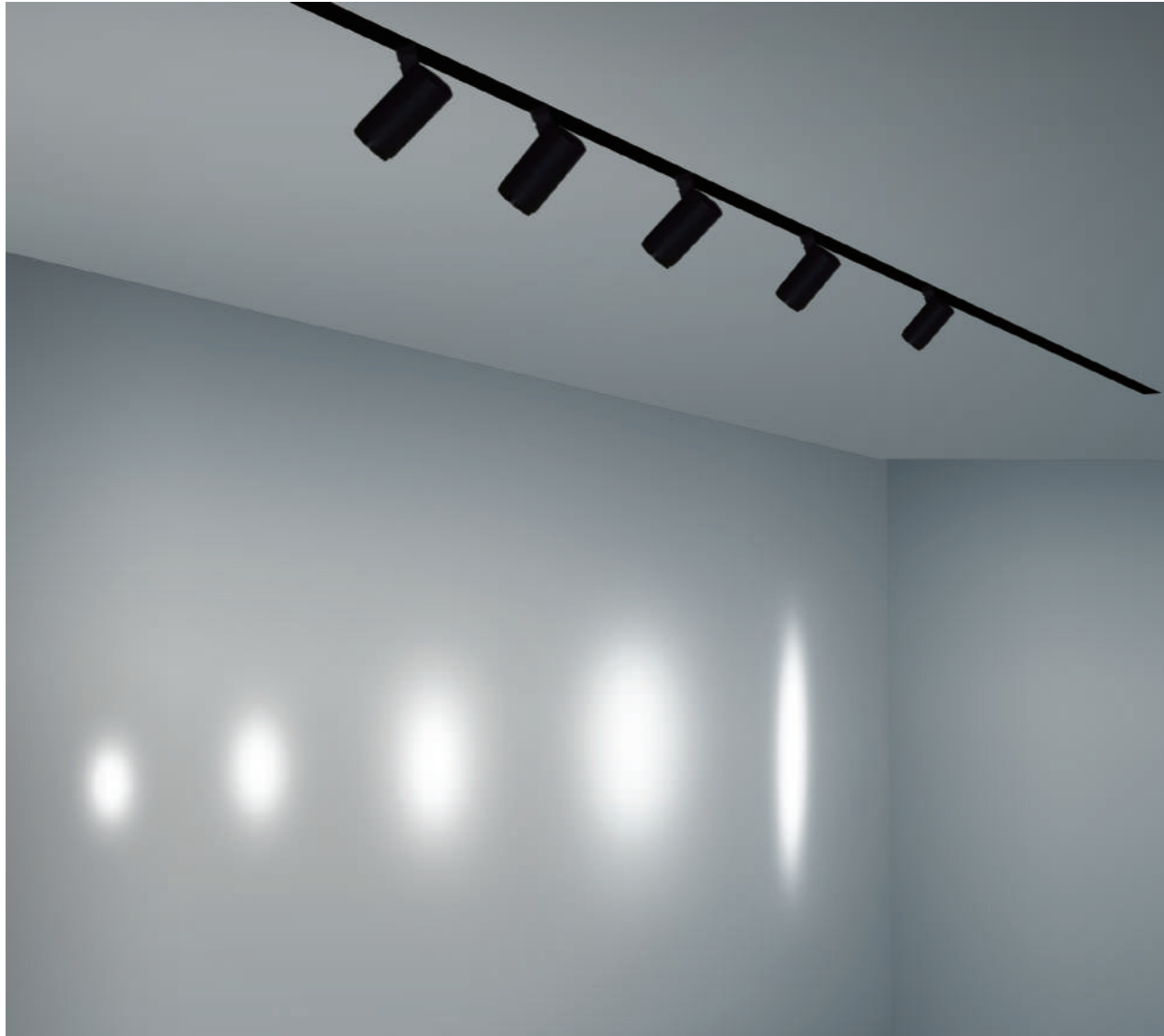
Ami-Filter

Create diversified lighting effects with magnetic accessories. Change the beam spread without tools.

| 15° | 24° | 38° | 10°X35° |
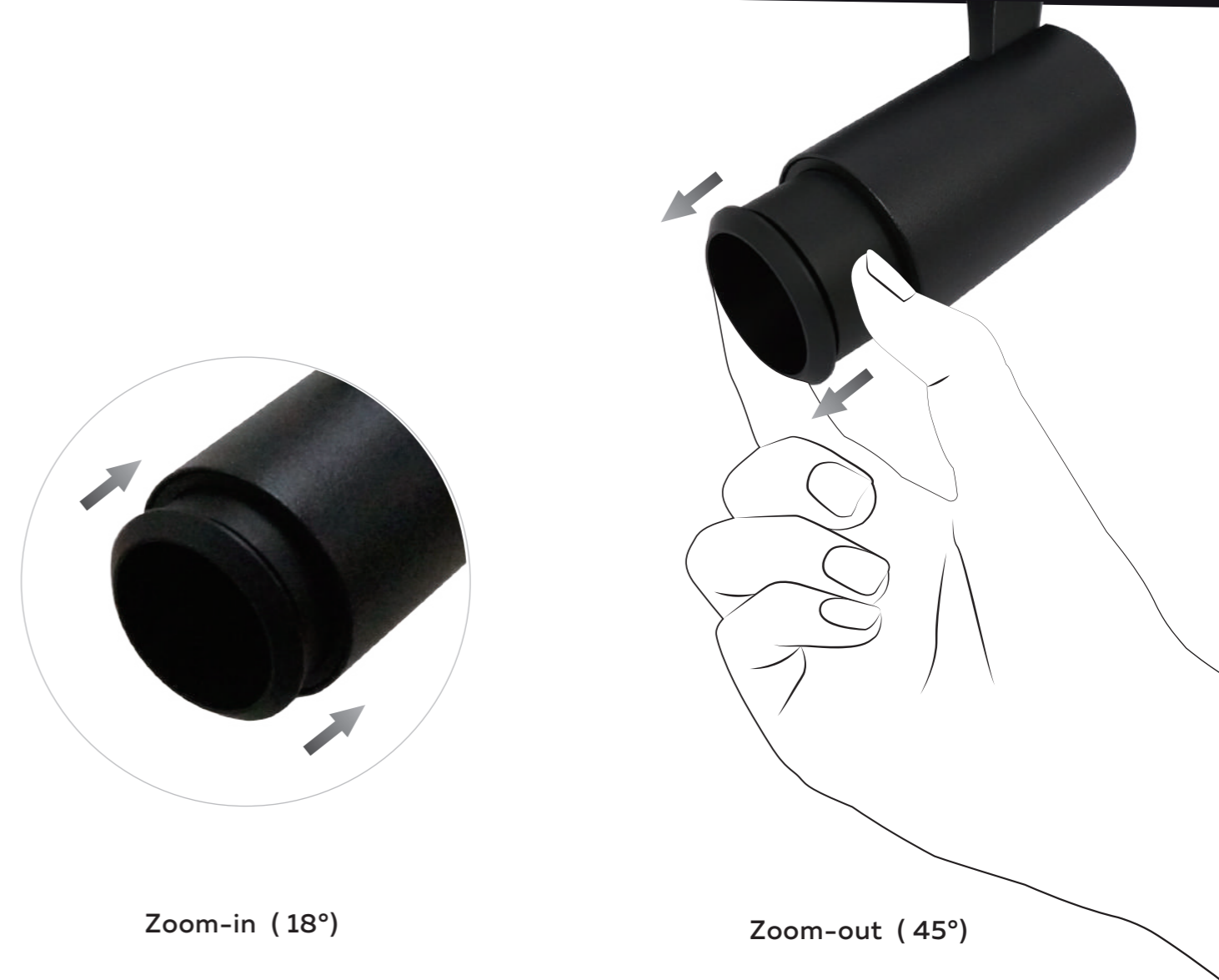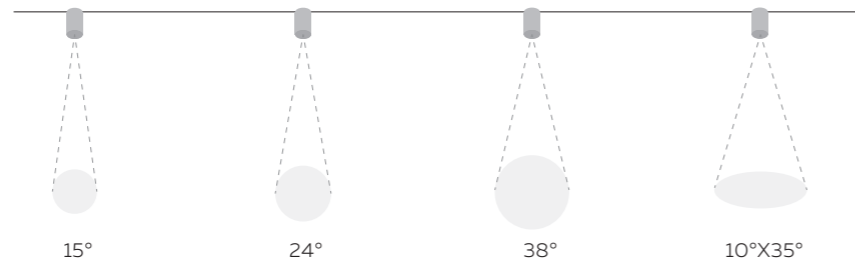
Zoom-in（18°）

Zoom-out（45°）

Ami-Zoom

The possibility of creating limitless angles and magical mobility.
It is easy to change the beam spread at any time, allowing you to create a unified impression in retail premises, museums and art galleries.

18°-45°

Low-Voltage Track

LED SOURCE

CRI>90
CCT: 2700K,3000K, 4000K

OPTIC

LENS: small angle, medium beam angle,
wide angle, wallwash, zoomable.
For other requests, please contact us.

DRIVER

Integrated 48Vdc driver.

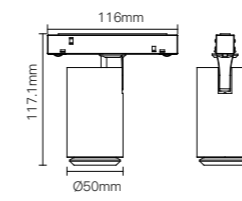## ACCESSORIES

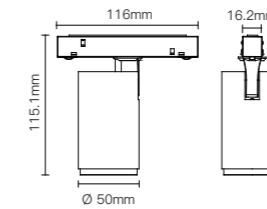See page 42 for optical accessories.

FINISH

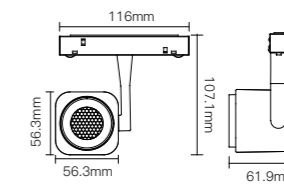Black or white

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Maga

Low-Voltage Track

| 360° | 90° | IP20 | CE | ⬦ |

Ami-Zoom

Ami-Filter

Cubo

Dabo

116mm
117.1mm
Ø50mm

116mm   16.2mm
115.1mm
Ø 50mm

116mm
56.3mm
56.3mm   107.1mm
61.9mm

116mm   16.2mm
55.9mm
55.9mm   107.1mm
50.5mm
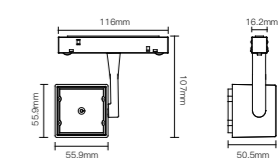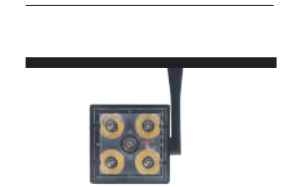
Ordering Code eg.: **M 4 0 3 1 0 3 0 9 0 Z 2 N 0 1**

	Product Code	System Power	CCT	>CRI	Beam Angle	Typical Lumen	Driver Control	Finish Color
Maga-Ami-Zoom	**M403**	**10** 10W	**30** 3000K **40** 4000K	**90**	**Z2** 18°–45°	320m 350lm	**N** Non-Dim	**01** Black **02** White
Maga-Ami-Filter	**M404**	**09** 9W	**30** 3000K **40** 4000K	**90**	**07** 7° **15 / 24 / 38** **X1** 10°x35 ° **HC** Honry comb	500lm 550lm		
Maga-Cubo	**M405**	**10** 10W	**30** 3000K **40** 4000K	**90**	**07** 7° **15 / 24 / 38** **X1** 10°x35 ° **HC** Honry comb	450lm 500lm		
Maga-Dabo	**M406**	**10** 10W	**30** 3000K **40** 4000K	**90**	**07** 7°	560lm 616lm		

Notes:
❶ For other CCT and CRI options, please contact us.
❷ Lumen specs are measured by the original optics.
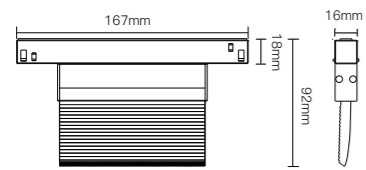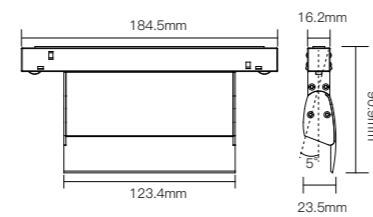
Maga

Low-Voltage Track

IP20 CE ◇

Pixy

Casa

Ordering Code eg.: M401073090WWN01

	Product Code	System Power	CCT	>CRI	Beam Angle	Typical Lumen	Driver Control	Finish Color
Maga-Pixy	**M401**	**07** 07W	**30** 3000K **40** 4000K	**90**	**WW** Wall wash	560lm 610lm	**N** Non-Dim	**01** Black **02** White
Maga-Casa	**M402**	**13** 13W	**30** 3000K **40** 4000K	**90**	**30** 30°	520lm 570lm		

Notes:
❶ For other CCT and CRI options, please contact us.

Maga

Low-Voltage Track

IP20 CE ◇
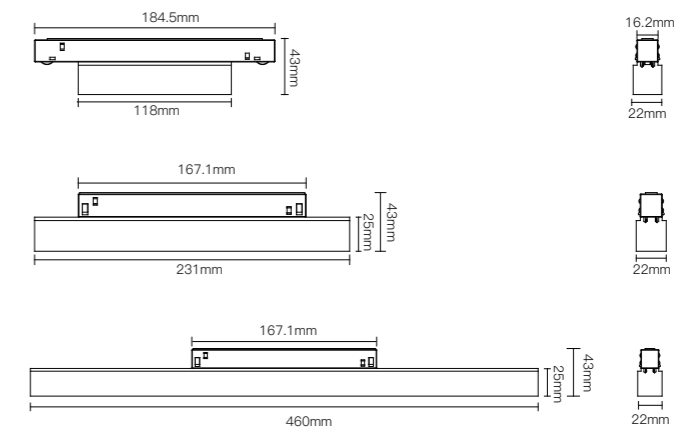
Bande

Bande Diffuser
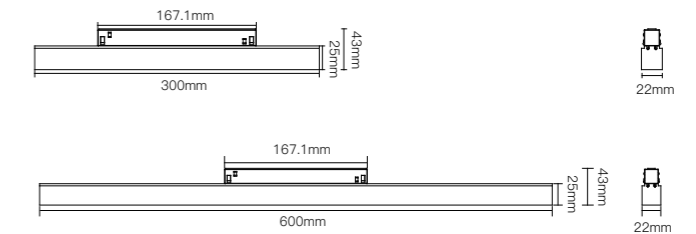
Ordering Code eg.: M41006309038N01

	Product Code	System Power	CCT	>CRI	Beam Angle	Typical Lumen	Driver Control	Finish Color
Maga-Bande	**M410**	**06** 06W	**30** 3000K **40** 4000K	**90**	**38** 38°	350m 385m	**N** Non-Dim	**01** Black **02** White
		10 10W	**30** 3000K **40** 4000K	**90**	**38** 38°	500m 550lm		
		20 20W	**30** 3000K **40** 4000K	**90**	**38** 38°	1100m 1210lm		
Maga- Bande Diffuser	**M411**	**11** 11W	**30** 3000K **40** 4000K	**90**	**FD** Flood	510lm 560lm		
		24 24W	**30** 3000K **40** 4000K	**90**	**FD** Flood	1050lm 1155lm		

Notes:
❶ For other CCT and CRI options, please contact us.

Maga

Low–Voltage Track

IP20 CE ⬙

Ami pendant

116mm

H

205mm

5mm

50mm

Canos

116mm

H

100mm

Ø44.3mm

Navia

116mm

H

144.8mm

Ø194mm
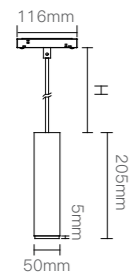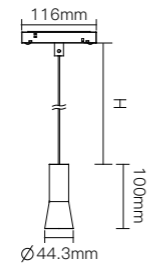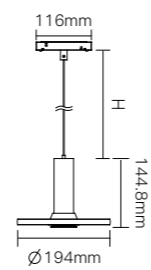
Ordering Code eg.: M40713309007N01

	Product Code	System Power		CCT		>CRI	Beam Angle		Typical Lumen	Driver Control		Finish Color	
Maga-Ami-Pendant	**M407**	**13**	13W	**30**	3000K	**90**	**07**	7°	410lm	**N**	Non-Dim	**01**	Black
				40	4000K		**15 / 24 / 38**		450lm			**02**	White
							X1	10°x35 °					
							HC	Honeycomb					
Maga-Canos	**M408**	**07**	7W	**30**	3000K	**90**	**15**	15°	360lm				
							24	24°	400lm				
							36	36°	380lm				
		07	7W	**40**	4000K	**90**	**15**	15°	396lm				
							24	24°	440lm				
							36	36°	420lm				
Maga-Navia	**M409**	**07**	7W	**30**	3000K	**90**	**24**	24°	400lm				
				40	4000K				440lm				

Notes:

❶ For other CCT and CRI options, please contact us.

❷ Lumen specs are measured by the original optics.

Mains Voltage Recessed

LED SOURCE

CRI>90
CCT: 2700K,3000K, 4000K

OPTIC

LENS: small angle, medium beam angle, wide angle, wallwash, zoomable.
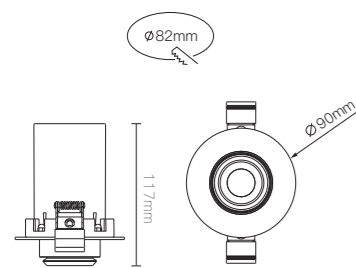For other requests, please contact us.

DRIVER

External 220Vac driver.

ACCESSORIES

See page 42 for optical accessories

FINISH

Black or white

Maga-Ami

Mains Voltage Recessed

Ami-Round
zoom

Ami-Rectangle
zoom

Ami-Square
zoom

ø82mm

80x170mm

ø82mm

ø90mm

117mm

117mm

180mm

117mm

90mm

90mm

90mm
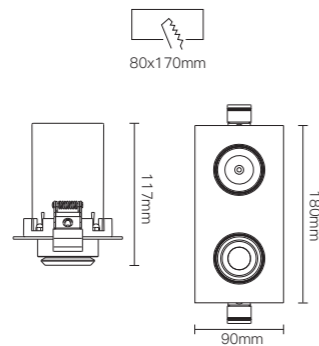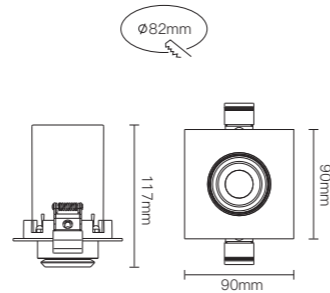
Ordering Code eg.: M201103090Z2N01

	Product Code	System Power	CCT	>CRI	Beam Angle	Typical Lumen	Driver Control	Finish Color
Maga-Ami-Round	**M201**	**10** 10W	**30** 3000K **40** 4000K	**90**	**Z2** 18°-45°	320lm 350lm	**N** Non-Dim	**01** Black **02** White
Maga-Ami-Rectangle	**M202**	**20** 10W*2	**30** 3000K **40** 4000K	**90**	**Z2** 18°-45°	320lm*2 350lm*2		
Maga-Ami-Square	**M203**	**10** 10W	**30** 3000K **40** 4000K	**90**	**Z2** 18°-45°	320lm 350lm		

Notes:
❶ For other CCT and CRI options, please contact us.
❷ Lumen specs are measured by the original optics.
❸ There are also different optical accessories please refer to page 42.

Maga-Ami

Mains Voltage Recessed

Ami-Round

Ami-Rectangle

Ami-Square

ø82mm

80x170mm

ø82mm

ø90mm

114.5mm

114.5mm

180mm

114.5mm

90mm

90mm

90mm
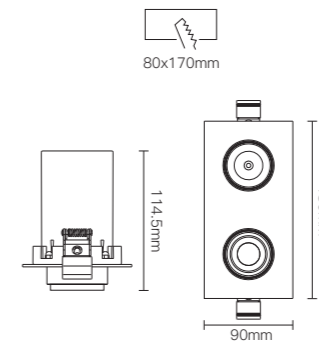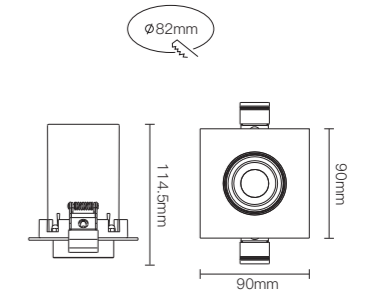
Ordering Code eg.: M204103090007N01

	Product Code	System Power	CCT	>CRI	Beam Angle	Typical Lumen	Driver Control	Finish Color
Maga-Ami-Round	**M204**	**10** 10W	**30** 3000K **40** 4000K	**90**	**07** 7° **15 / 24 / 38** **X1** 10°x35 ° **HC** Honeycomb	410lm 450lm	**N** Non-Dim	**01** Black **02** White
Maga-Ami-Rectangle	**M205**	**20** 10W*2	**30** 3000K **40** 4000K	**90**	**07** 7° **15 / 24 / 38** **X1** 10°x35 ° **HC** Honeycomb	410lm*2 450lm*2		
Maga-Ami-Square	**M206**	**10** 10W	**30** 3000K **40** 4000K	**90**	**07** 7° **15 / 24 / 38** **X1** 10°x35 ° **HC** Honeycomb	410lm 450lm		

Notes:
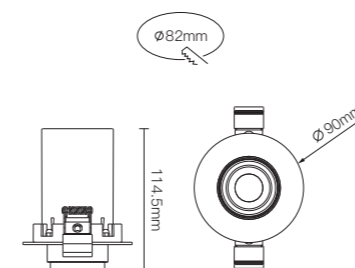❶ For other CCT and CRI options, please contact us.
❷ Lumen specs are measured by the original optics.
❸ There are also different optical accessories please refer to page 42.

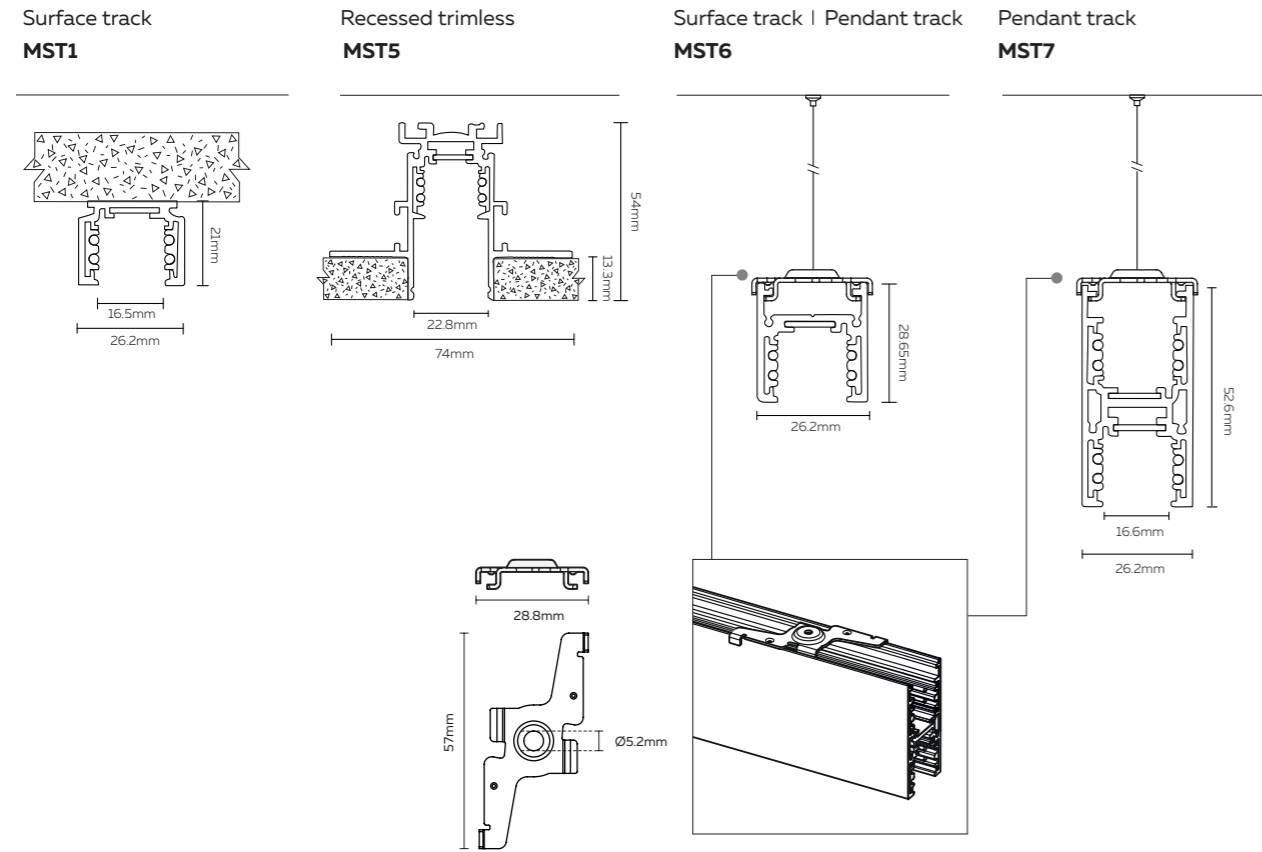# Track / Optical Accessories

M9511
L Joint connector

Metal
Sheet
End Cap

M9518
Adjuastable corner

M9503
I Joint connector

Metal
Sheet
End Cap

M9518
Adjuastable corner

M9503
I Joint connector

M9511
L Joint connector

Low-Voltage Track

Surface track
MST1

16.5mm
26.2mm
21mm

Recessed trimless
MST5

22.8mm
74mm
54mm
13.3mm

Surface track | Pendant track
MST6

26.2mm
28.65mm

28.8mm
57mm
Ø5.2mm

Pendant track
MST7

16.6mm
26.2mm
52.6mm

Ordering Code: M S T 1 1 W 1

Type Cope		Size		Color	
MST1	Surface track	**1**	1m	**W1**	Matt white
MST5	Recessed trimless	**2**	2m	**B1**	Matt black
MST6	Surface track/Pendant track	**3**	3m		
MST7	Pendant track				

Low-Voltage Track Accessories

M9503 I Joint connector

105mm

M9511 L Joint connector

105mm
18.7mm
105mm
18mm

M9518 Adjuastable corner

311mm

MD9501 Short end feed

111.7mm

ME9500 Surface / Pendant clamp

28.8mm
Ø5.2mm
57mm

ME9501 Metal sheet end cap for MST1

20.5mm
Ø2.2mm
21mm
2.4mm
26.2mm
1.2mm

ME9505 Metal sheet end cap for MST5 & MST7

18.3mm
21mm
Ø3mm
52.6mm
26.2mm
2mm

ME9506 Metal sheet end cap for MST6

27.25mm
8.05mm
19.95mm
26.2mm
3mm
2mm

M9000 Suspension kit for MST6 & MST7

55mm
70mm
52.5mm

Compatibility

	MST1	MST5	MST6	MST7
	Surface track	Recessed trimless	Surface track Pendant track	Pendant track Up & Down
Pixy	X		X	
				X
Casa	X		X	
				X
Ami-Zoom	X		X	
				X
Ami-Filter	X		X	
				X
Cubo	X	X	X	X
				X
Dabo	X	X	X	X
				X
Bande	X	X	X	X
				X
Bande Diffuser	X	X	X	X
				X
Ami-Pendant	X	X	X	X
				X
Canos	X	X	X	
				X
Navia	X	X	X	
				X

Drop Voltage Table

Power supply (W)	Distance power supply/ feed unit (2 x 1.5mm^2)			
	5m	10m	20m	30m
	Track length with △V ≤ 5.5% (m)			
60	50m	50m	50m	50m
100	50m	50m	40m	25m
150	50m	40m	20m	Not admitted
200	40m	30m	Not admitted	Not admitted
250	35m	20m	Not admitted	Not admitted

The indications refer to a load equivalent to the power supplied and equally distributed on the relevant length in the table.
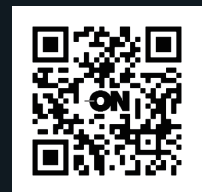
Supply power

48Vdc

End feed header

DV≤5.5%

Track

Lighting fixture
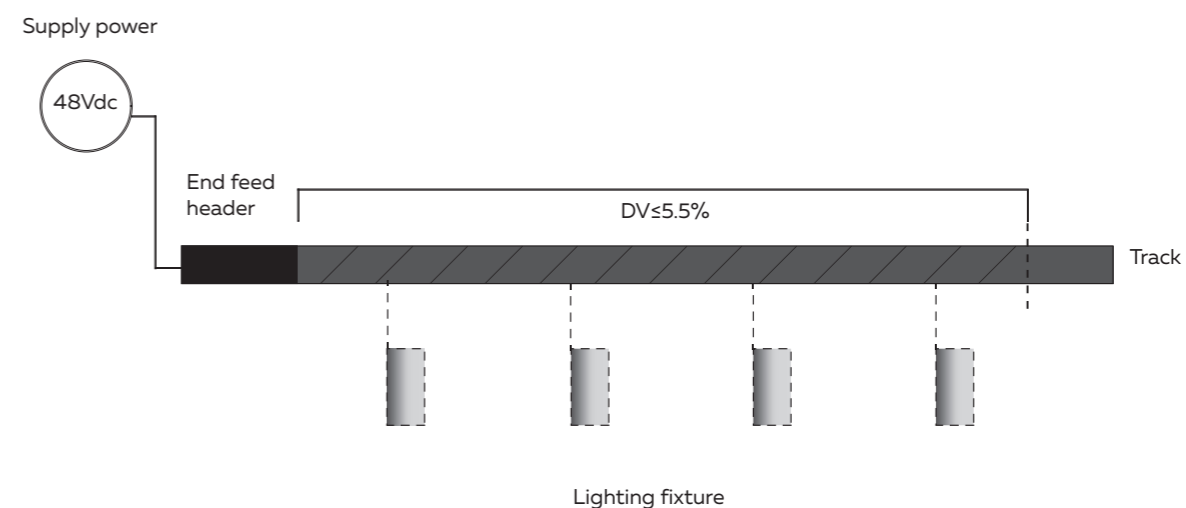
Optical Accessories

Product / Optical Accessories		Honeycomb	Honeycomb	15°	24°	38°	10°x35°
Robo	Robotrac Zoomable	2A11		–	–	–	–
Maga	Ami-filter	–	2A12	2A21	2A23	2A24	2A25
	Ami-pendant	–	2A12	2A21	2A23	2A24	2A25
	Cubo	–	2A12	2A21	2A23	2A24	2A25
	Mains Voltage Downlight	–	2A12	2A21	2A23	2A24	2A25

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IT IS ON YOU