





SHUTTLE

An unique mini track connecting system designed to perform multiple tasks in professional shelf display.

Allowing mini spot, linear, undercabinet fixtures to be freely and easily combined in any location to get your ideal light distribute effect.

Plug and play for easy installation and maintenance, a great method to save labor cost.

Slim and light weight design fixtures showing elegant temperament.

SHUTTLE

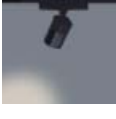
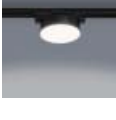
SHUTTLE TRACK

	RW-610	Track	P.67
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SHUTTLE PROFILE

	U-S Extrusion line	Aluminum profile (screw)	P.67
	U Extrusion line	Aluminum profile (screw)	P.67
	L Extrusion corner	Aluminum profile L (screw)	P.67
	U-S-M Extrusion line	Aluminum profile (magnet)	P.67
	U-M-V Extrusion line	Aluminum profile (magnet)	P.67
	U-M-H Extrusion line	Aluminum profile (magnet)	P.67

SHUTTLE MODULES

		Series name	LED Consumption	Lumen	
		SHUTTLE-L	1W/4W/8W	110/330/660 (lm)	P.68
		SHUTTLE-L-S	1W/4W/8W	110/330/660 (lm)	P.69
		SHUTTLE-S	1W/2.2W	50-70 (lm)	P.70
		SHUTTLE-S-F	2.2W	210 (lm)	P.71
		SHUTTLE-N	2.2W	50-70 (lm)	P.72
		SHUTTLE-B	4W	200 (lm)	P.73

SHUTTLE Track mounting

Smooth surface like glass, marble, etc., can be secured by adhesive tape

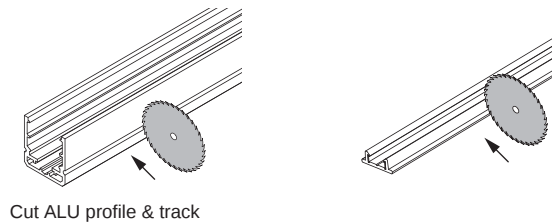


Rough surface like wood, aluminum, steel etc., can be secured by screws

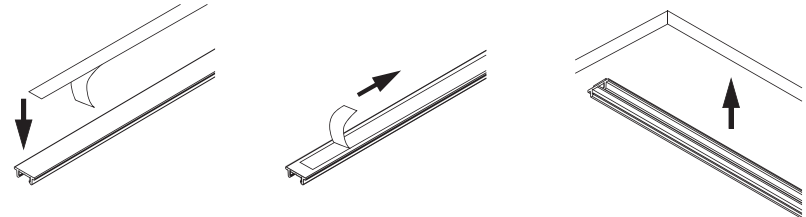
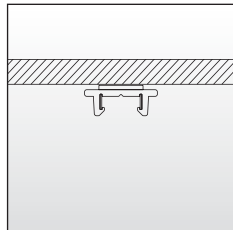


Steel (Magent)

Steel (Magent)

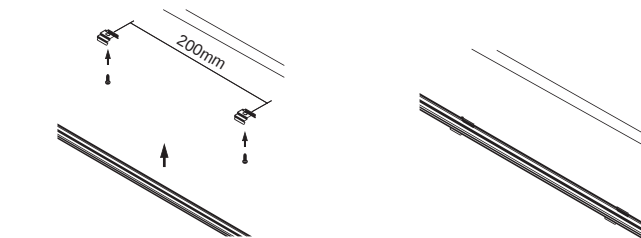
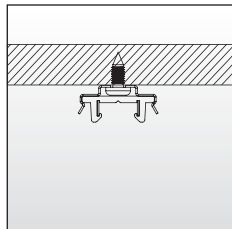
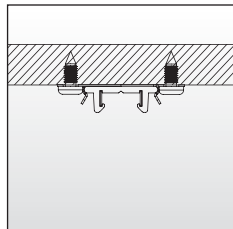


Track (Adhesive tape)



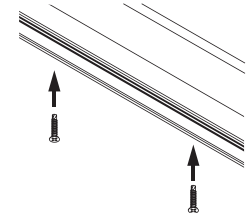
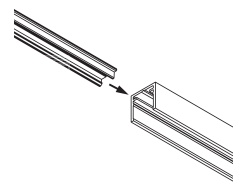
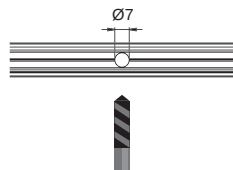
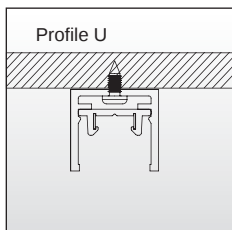
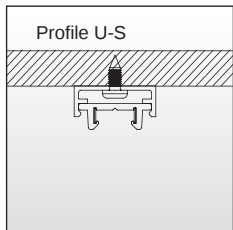
Apply adhesive tape on the back of the track, then stick onto the smooth surface.

Track (Mounting clip)

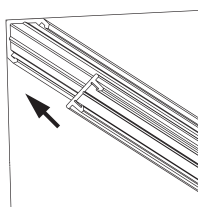
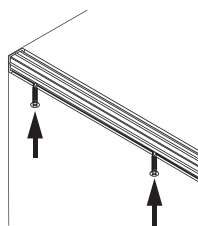
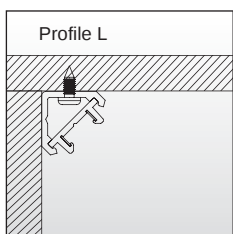


Distance between clips is 200mm, secure the clips with screw then click the track on the clips.

Aluminum profile (screw)

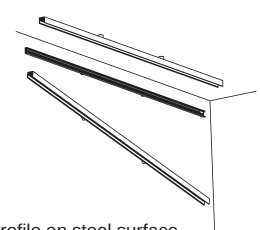
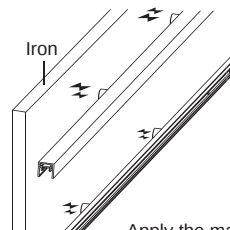
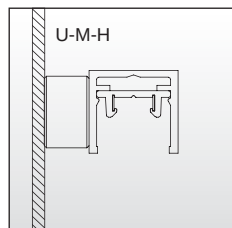
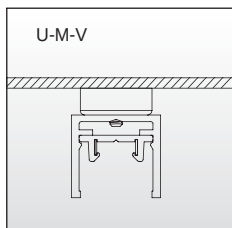
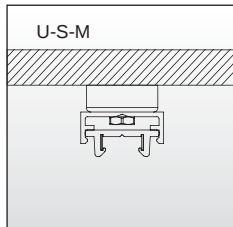


Pre-drill 7mm holes on the aluminum profile, secure the profile with screws on the surface, the height of the screw head shall not exceed 2mm.



Secure the profile with screw, the height of the screw head shall not exceed 2mm.

Aluminum profile (magnet)



Apply the magnet profile on steel surface.

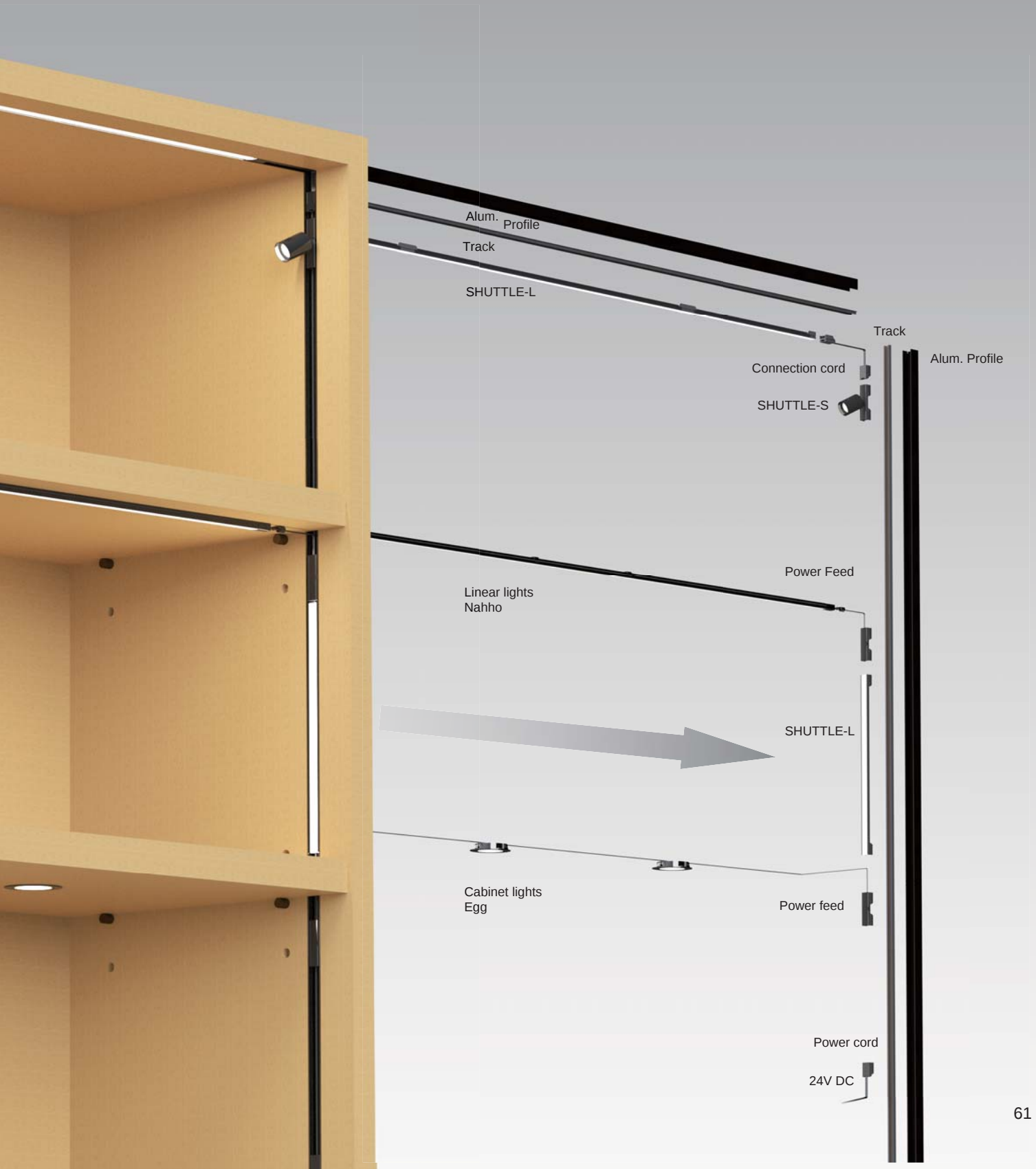
SHUTTLE

Suitable for display shelves, and / or with movable laminates, or small area lighting. Tracks can be connected inside the extruded profile, making installation easy. Power feed can be added for other 24V DC fixtures not installed on the track. Making SHUTTLE a connecting system.



SHUTTLE

Below is a exploded illustration, tracks can be linked via connection cord,
Power feed can also be used for fixtures installed away from the track.
To build up the lighting environment needed.



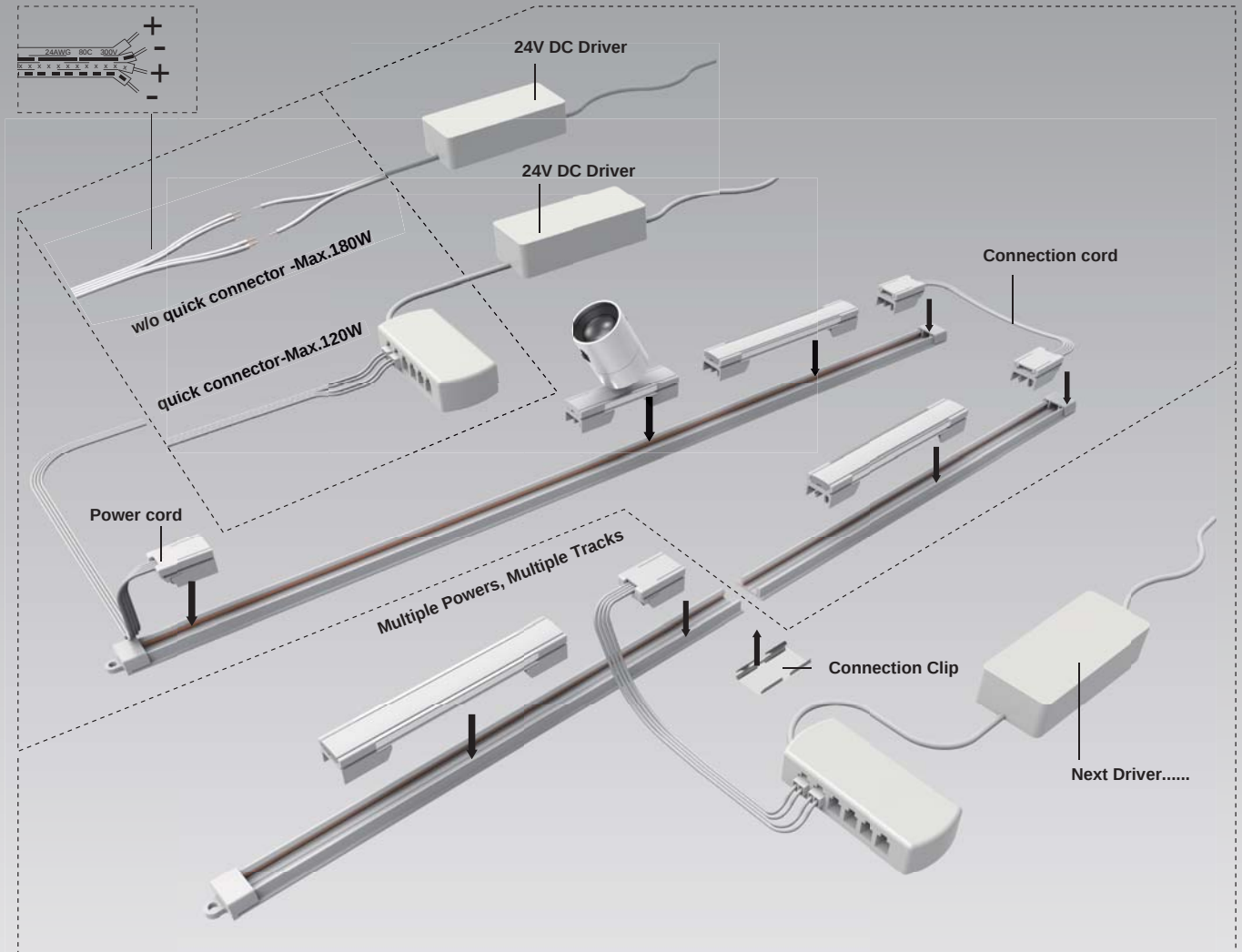
SHUTTLE assemble system

Max wattage connection is suggested to be 80% of the driver's max. output wattage

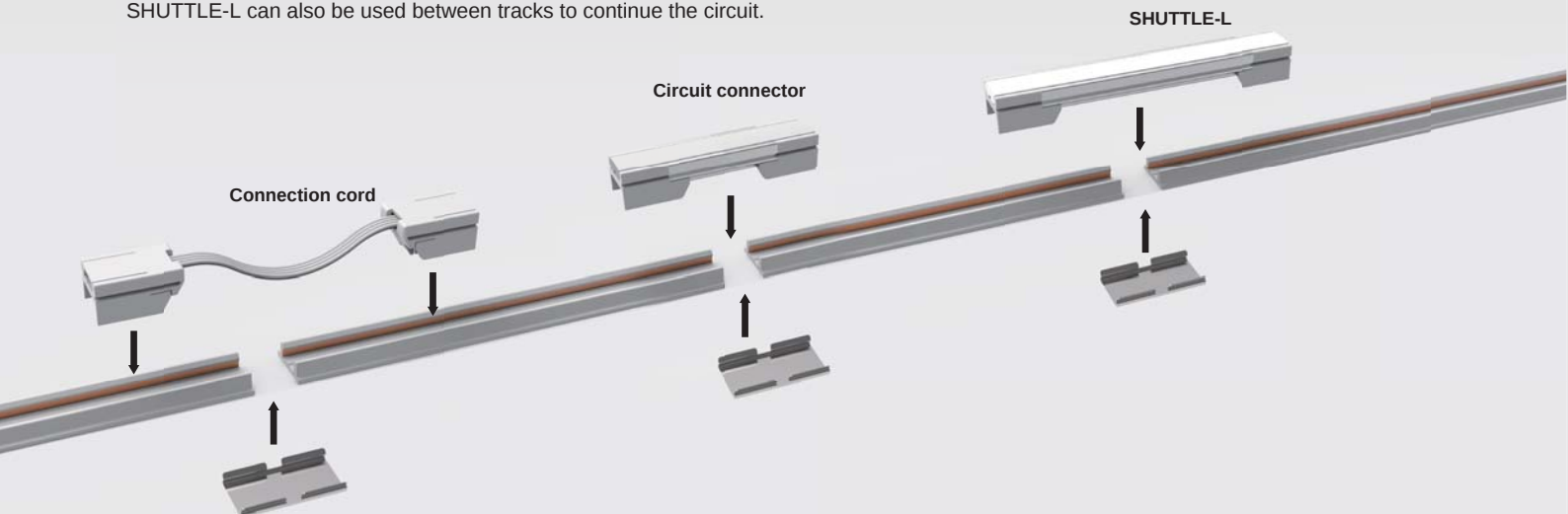
When the max. wattage exceeds the driver's output wattage, new driver and track is needed.

w/o quick connector – Max. 180W

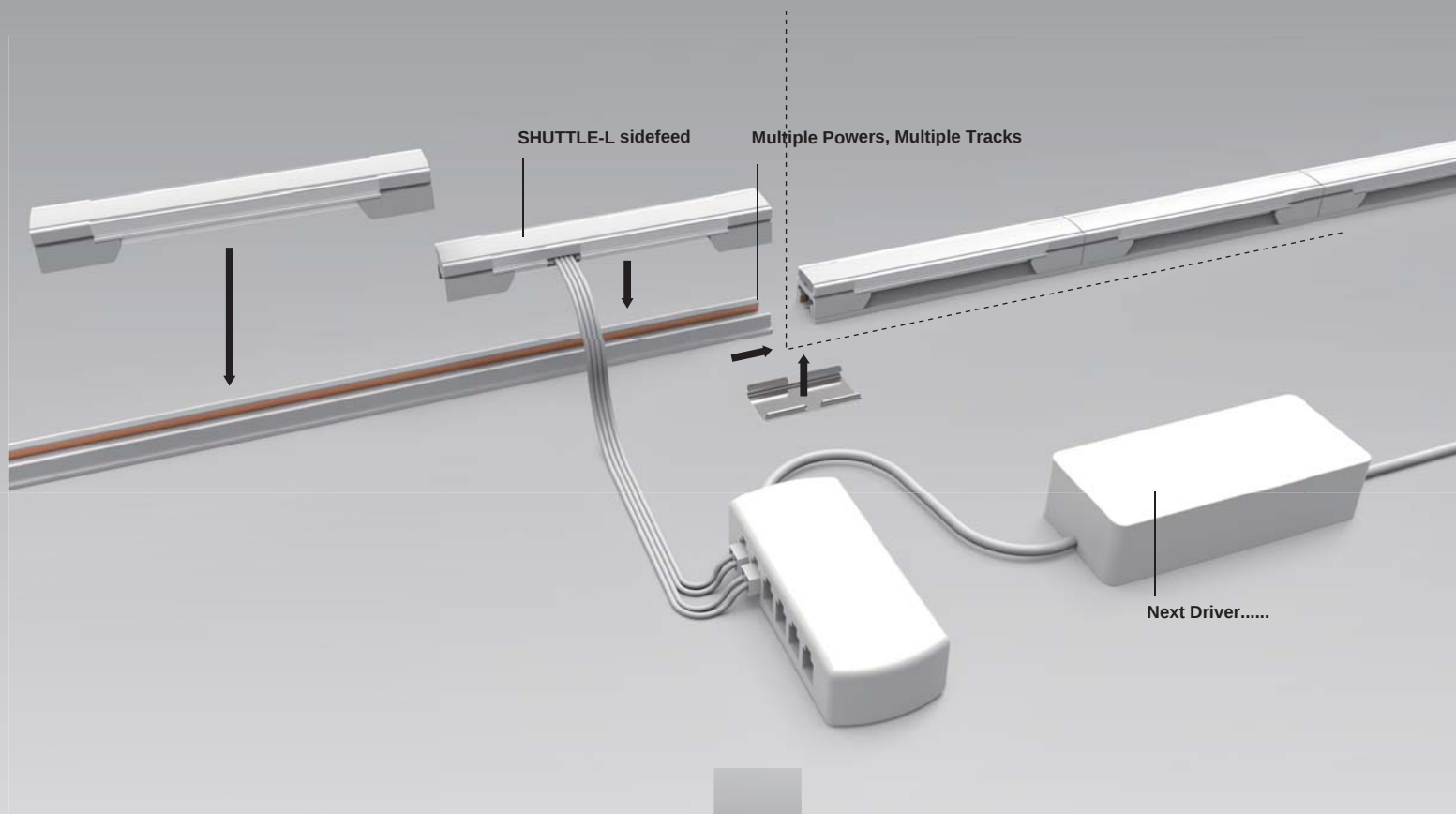
quick connector – Max. 120W



SHUTTLE-L can also be used between tracks to continue the circuit.



When maximum wattage has been reached, a sidefeed, new track and driver is needed to supply more power for continuous connection. SHUTTLE-L sidefeed can be used on one end of the new track for continuous linear light.

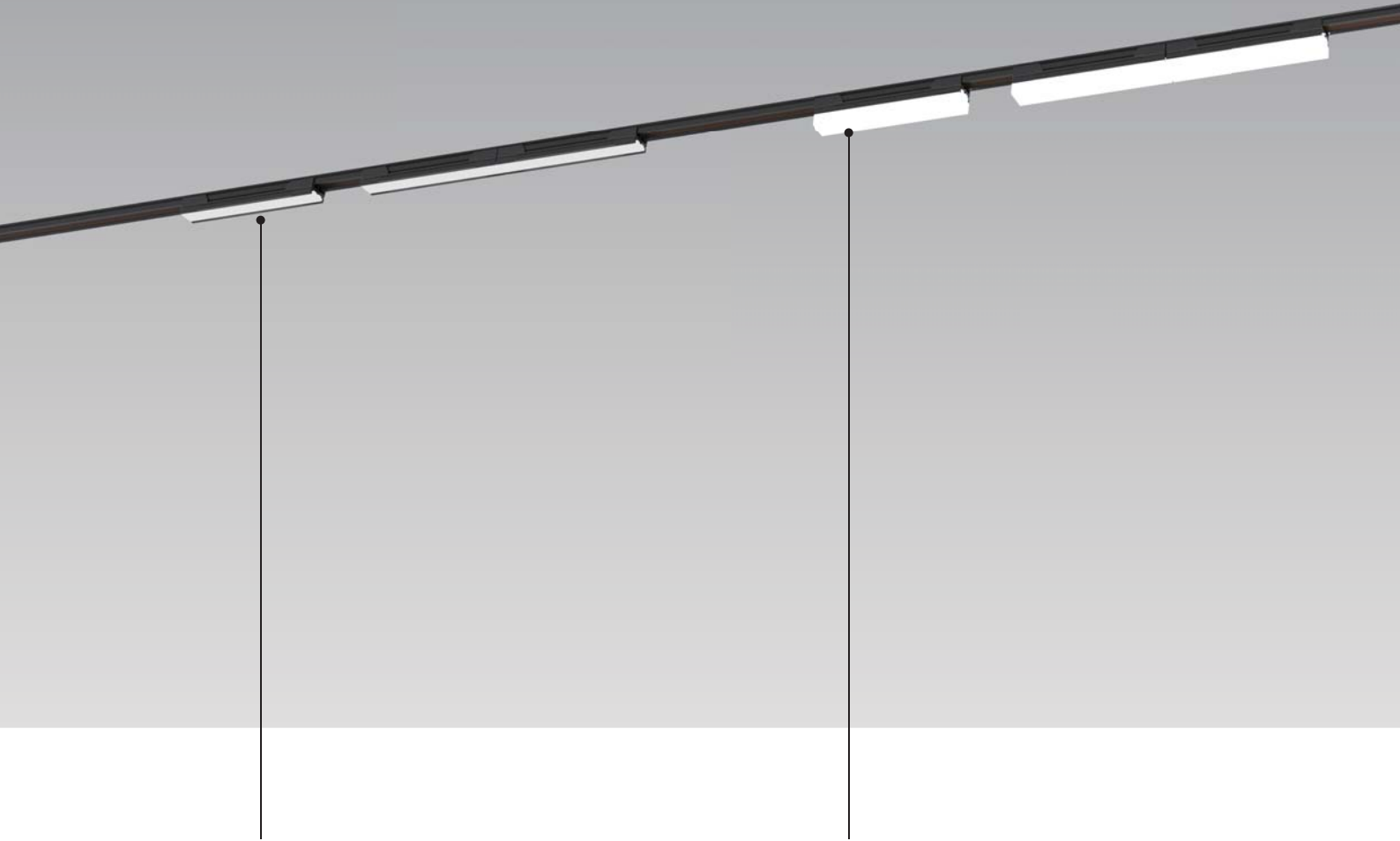


Continuous linear illustration.



SHUTTLE

SHUTTLE fixtures can be clipped onto the track, tools-free, easy installation & maintenance.



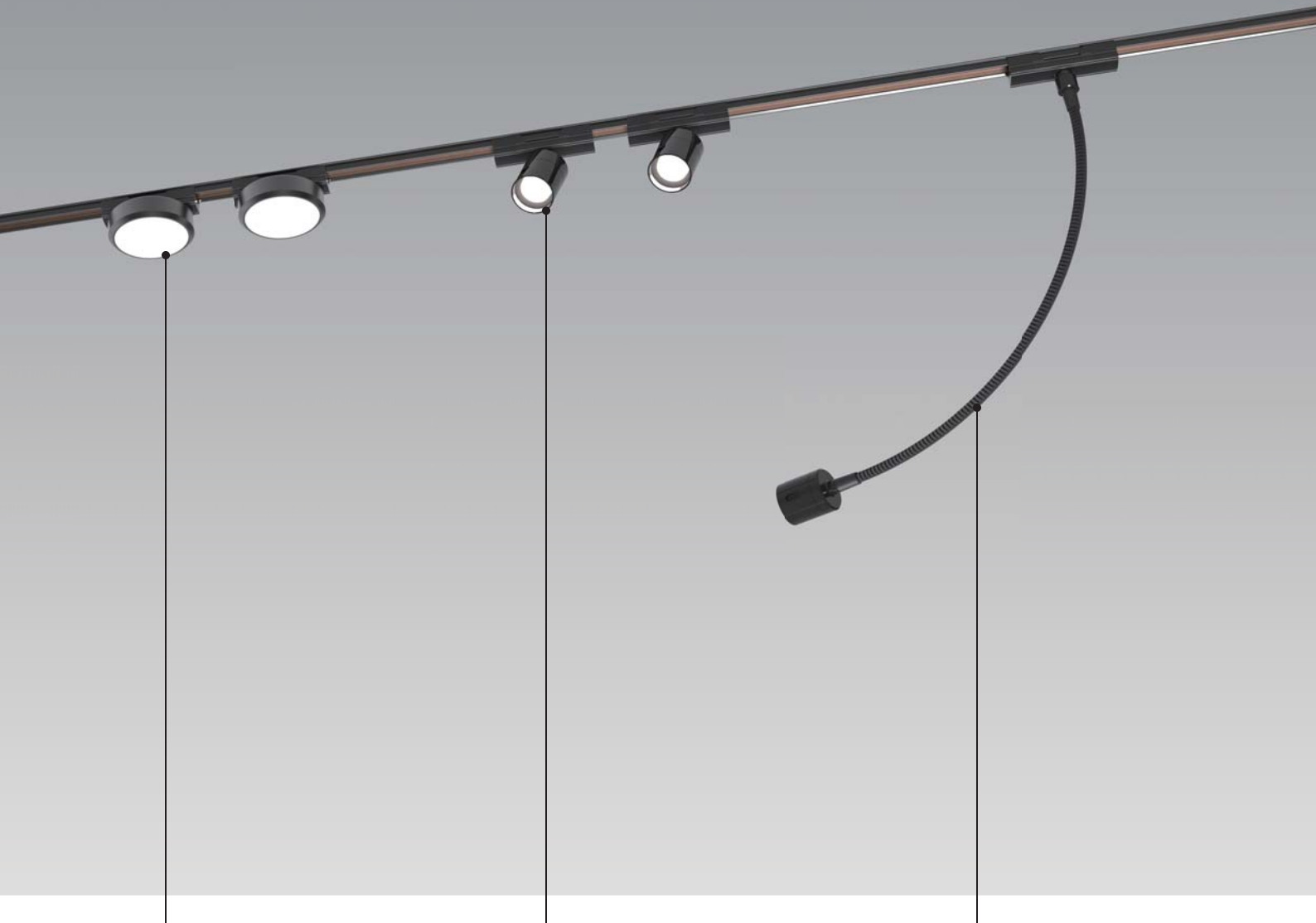
SHUTTLE-L

Seamless design to make continuous lighting.
Plug and play feature to repositioning the fixtures
anywhere along the track.



SHUTTLE-L-S

Seamless design with square diffuser

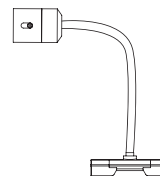


SHUTTLE-B
Round module with dots-free effect



SHUTTLE-S
Available in 1W and 2.2W, changing beam angle by adjusting the lever.

SHUTTLE-S-F
2.2W spot light with higher output.

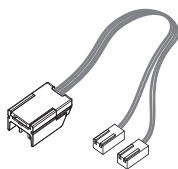


SHUTTLE-N
Bendable tube provides more precision spot location. changing beam angle by adjusting the lever.

SHUTTLE

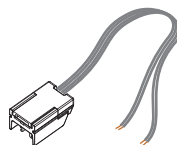
Accessories specifications

Power cord



CP-MOL-27-200
Power cord MOLEX male plug
Length: 200cm

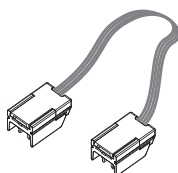
120W in one row



CP-27-200
Power cord
Length: 200cm

180W in one row

Connection cord



CS-27-15
Connection cord Length:15cm

CS-27-30
Connection cord Length:30cm

CS-27-60
Connection cord Length:60cm

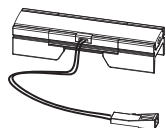
120W in one row

Circuit connector



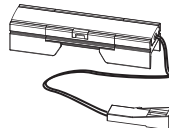
CSC-27
120W in one row

Power feed



CSP-27-60 (Sidefeed)
I/P: 24V DC, O/P: 24V DC
Connection cord with top female plug
Length:60cm

50W Max. Connection



CSP-A-27-60 (Endfeed)
I/P: 24V DC, O/P: 24V DC
Connection cord with top female plug
Length:60cm

50W Max. Connection

Driver

	Article number	I/P Voltage/Hz (V/Hz)	O/P Voltage (VDC)	O/P Current (A)	O/P Power (W)	Dimension (mm)	Junction box	Plug
	GME12A-240050FDS	100-240 / 50-60	24	0.5	12 max.	79 x 38 x 29 (H)	4pin	Yes
	GME36A-240150FDS	100-240 / 50-60	24	1.5	36 max.	97 x 45 x 29 (H)	4pin	Yes
	GME72C-240250FDR	100-240 / 50-60	24	2.5	60 max.	129 x 51 x 35 (H)	6pin	Yes
	AED15-700ILS	100-240 / 50-60	24	0.625	15 max.	112 x 39 x 18 (H)	4pin	No
	AED36-1400ILS	100-240 / 50-60	24	1.25	30 max.	135 x 47 x 26 (H)	4pin	No
	AED60-24VLS	100-240 / 50-60	24	2.5	60 max.	164 x 48 x 29 (H)	6pin	No
	HLG-150H-24	90-305 / 50-60	24	6.3	150 max.	228 x 68 x 39 (H)	No	No
	HLG-240H-24	90-305 / 50-60	24	10	240 max.	244 x 68 x 39 (H)	No	No

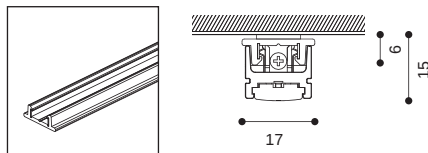


SHUTTLE

Accessories specifications

Colours  Black  Grey

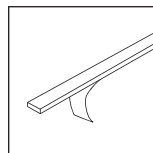
Track



Article number	L
RW-610	1000mm
RW-620	2000mm
RW-630	3000mm

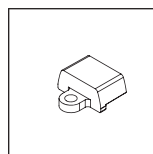
Track with adhesive tape

Adhesive tape



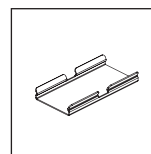
Article number	L
BR-0011	1000mm
3M tape	

End cap



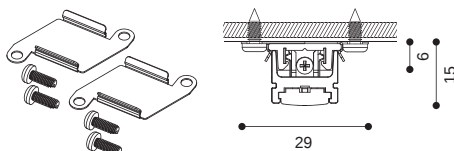
PC-0190

Connection Clip

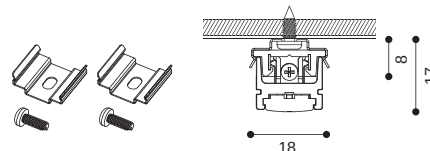


NS-0590

Clips



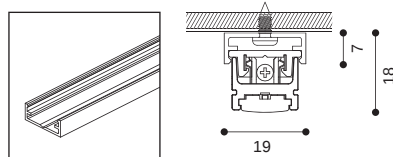
NS-0588
Fixed clip (standard)



NS-0589
Fixed clip (optional)

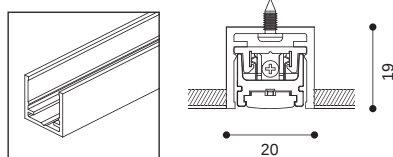
Alum. profile

Colours  Black  Anodized Alum.



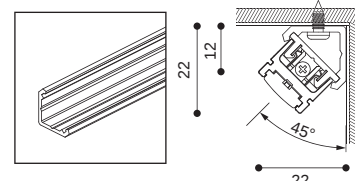
Article number	L
MJ-0192D	1000mm
MJ-0192E	2000mm
MJ-0192F	3000mm

U-S Extrusion line



Article number	L
MJ-0190D	1000mm
MJ-0190E	2000mm
MJ-0190F	3000mm

U Extrusion line

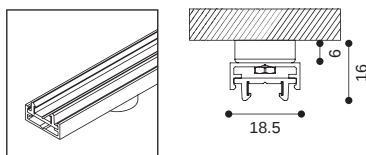


Article number	L
MJ-0191D	1000mm
MJ-0191E	2000mm
MJ-0191F	3000mm

L Extrusion corner

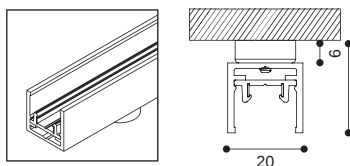
Alum. Profile with magnet

Colours  Black  Anodized Alum.



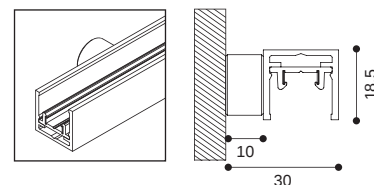
Article number	L
MJ-0192G	1000mm
MJ-0192H	2000mm
MJ-0192I	3000mm

U-S-M Extrusion line



Article number	L
MJ-0190G	1000mm
MJ-0190H	2000mm
MJ-0190I	3000mm

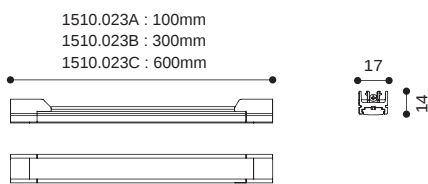
U-M-V Extrusion line



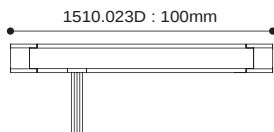
Article number	L
MJ-0190J	1000mm
MJ-0190K	2000mm
MJ-0190L	3000mm

U-M-H Extrusion line

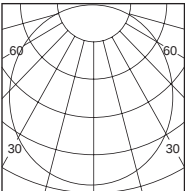
SHUTTLE-L



Sidefeed

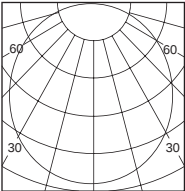


1510.023A.3BTA



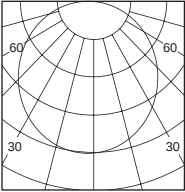
h (m)	D (m)	E (lx)
120°		
0.5	1.55	70
1.0	3.11	17
1.5	4.67	7
2.0	6.23	4
2.5	7.78	2

1510.023B.3BTA



h (m)	D (m)	E (lx)
120°		
0.5	1.56	578
1.0	3.12	144
1.5	4.68	64
2.0	6.24	36
2.5	7.80	23

1510.023C.3BTA



h (m)	D (m)	E (lx)
120°		
0.5	1.49	807
1.0	2.99	201
1.5	4.48	89
2.0	5.98	50
2.5	7.47	32

Colours  
Black Anodized Alum.

Product performance

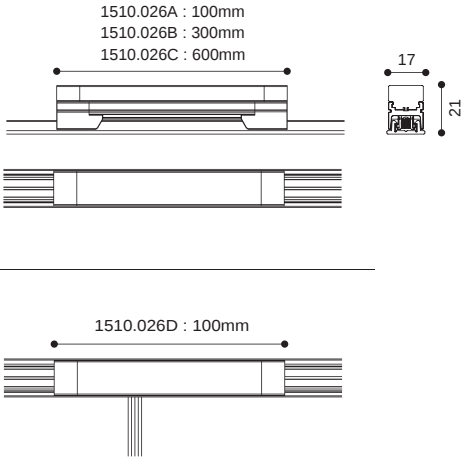
Article number	LED Consumption	Voltage	System Lumen	Beam Angle	LED Type	LED q'ty	CCT/CRI
1510.023A	1 W	24V DC	110 (lm)	120°	SMD	14	30/80+
1510.023B	4 W	24V DC	330 (lm)	120°	SMD	42	30/80+
1510.023C	8 W	24V DC	660 (lm)	120°	SMD	84	30/80+

Sidefeed

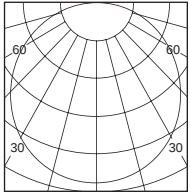
1510.023D	1 W	24V DC	110 (lm)	120°	SMD	14	30/80+
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SHUTTLE-L-S

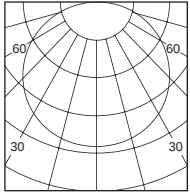


1510.026A.3BTA



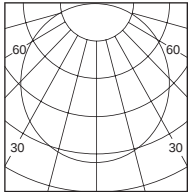
h (m)	D (m)	E (lx)
130°		
0.5	1.62	91
1.0	3.25	22
1.5	4.88	10
2.0	6.51	5
2.5	8.13	3

1510.026B.3BTA



h (m)	D (m)	E (lx)
130°		
0.5	1.51	463
1.0	3.02	115
1.5	4.53	51
2.0	6.05	28
2.5	7.56	18

1510.026C.3BTA



h (m)	D (m)	E (lx)
130°		
0.5	1.50	666
1.0	3.00	166
1.5	4.51	74
2.0	6.01	41
2.5	7.51	26

Colours Black Anodized Alum.

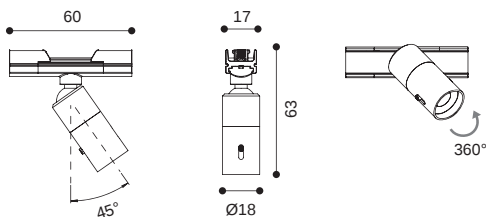
Product performance

Article number	LED Consumption	Voltage	System Lumen	Beam Angle	LED Type	LED q'ty	CCT/CRI
1510.026A	1 W	24V DC	110 (lm)	130°	SMD	14	30/80+
1510.026B	4 W	24V DC	330 (lm)	130°	SMD	42	30/80+
1510.026C	8 W	24V DC	660 (lm)	130°	SMD	84	30/80+
Sidefeed							
1510.026D	1 W	24V DC	110 (lm)	130°	SMD	14	30/80+

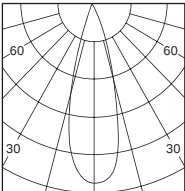


SHUTTLE-S

1619.200

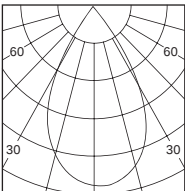


Zoom in 30°

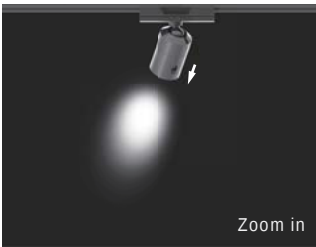


h (m)	D (m)	E (lx)
30°		
0.5	0.24	761
1.0	0.49	190
1.5	0.74	84
2.0	0.98	47
2.5	1.23	30

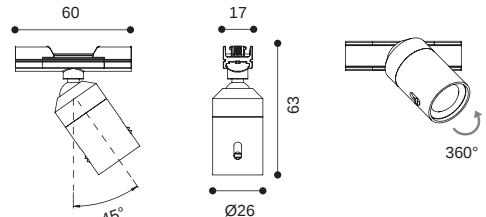
Zoom out 55°



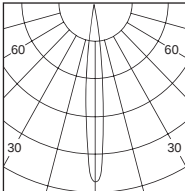
h (m)	D (m)	E (lx)
55°		
0.5	0.51	370
1.0	1.02	92
1.5	1.53	41
2.0	2.04	23
2.5	2.55	14



1619.205

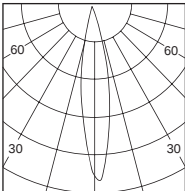


Zoom in 8°



h (m)	D (m)	E (lx)
8°		
0.5	0.07	7254
1.0	0.14	1814
1.5	0.21	806
2.0	0.28	453
2.5	0.36	290

Zoom out 20°



h (m)	D (m)	E (lx)
20°		
0.5	0.16	2351
1.0	0.33	587
1.5	0.50	261
2.0	0.67	146
2.5	0.83	94

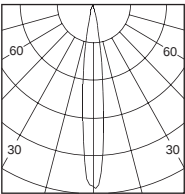
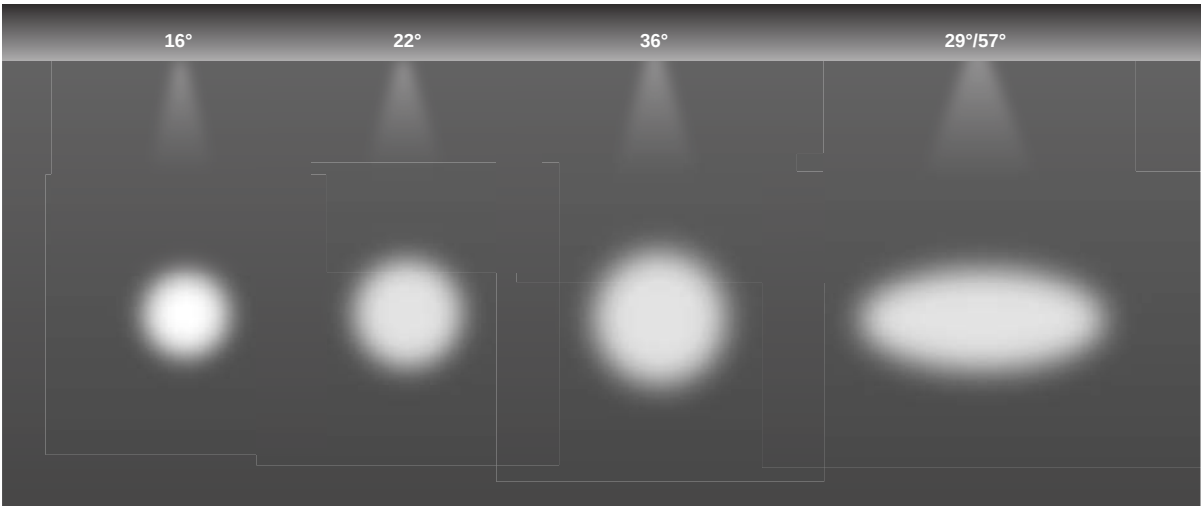
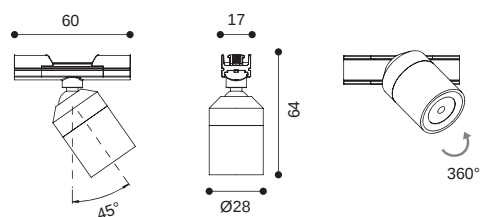
Colours  Black  Anodized Alum.

Product performance

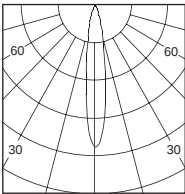
Article Number	LED Consumption	Voltage	System Lumen	Beam Angle	LED Type	LED q'ty	CCT/CRI
1619.200	1 W	24V DC	50-70 (lm)	30°-55°	High Power	1	30/80+
1619.205	2.2 W	24V DC	50-70 (lm)	8°-20°	High Power	1	30/80+



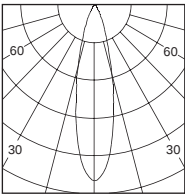
SHUTTLE-S-F



h(m)	D(m)	E(lx)
16°		
0.5	0.11	9874
1.0	0.22	2468
1.5	0.34	1097
2.0	0.45	617
2.5	0.57	395



h(m)	D(m)	E(lx)
22°		
0.5	0.13	4310
1.0	0.27	1078
1.5	0.41	478
2.0	0.55	269
2.5	0.69	172



h(m)	D(m)	E(lx)
36°		
0.5	0.21	2488
1.0	0.43	622
1.5	0.65	276
2.0	0.87	155
2.5	1.09	99

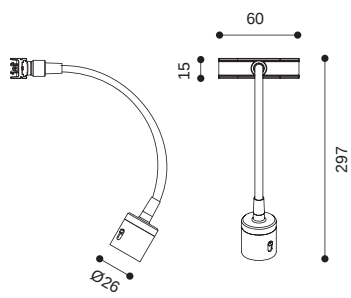
Colours  Black  Anodized Alum.

Product performance

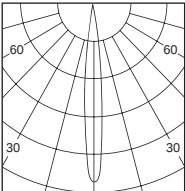
Article Number	LED Consumption	Voltage	System Lumen	Beam Angle	LED Type	LED q'ty	CCT/CRI
1719.209	2.2W	24V DC	210 (lm)	16°/ 22°/ 36°/ 29°x57°	High Power	1	30/80+



SHUTTLE-N

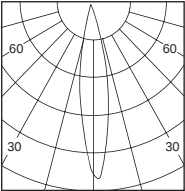


Zoom in 8°



h (m)	D (m)	E (lx)
8°		
0.5	0.07	7254
1.0	0.14	1814
1.5	0.21	806
2.0	0.28	453
2.5	0.36	290

Zoom out 20°



h (m)	D (m)	E (lx)
20°		
0.5	0.16	2351
1.0	0.33	587
1.5	0.50	261
2.0	0.67	146
2.5	0.83	94



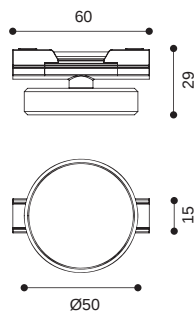
Colours  Black

Product performance

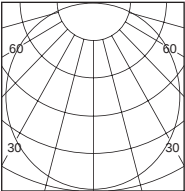
Article Number	LED Consumption	Voltage	System Lumen	Beam Angle	LED Type	LED q'ty	CCT/CRI
1617.502	2.2W	24V DC	50-70 (lm)	8°-20°	High Power	1	30/80+



SHUTTLE-B



1768.100.3BTA



h(m)	D(m)	E(lx)
113°		
0.5	1.53	259
1.0	3.07	64
1.5	4.61	28
2.0	6.15	16
2.5	7.69	10

Colours  Black  Anodized Alum.

Product performance

Article Number	LED Consumption	Voltage	System Lumen	Beam Angle	LED Type	LED q'ty	CCT/CRI
1768.100	4W	24V DC	200 (lm)	113°	SMD	48	30/80+



SHUTTLE

Can be used as track to power up other 24V DC fixtures





Tobey
Smooth plastic with
black or white finish.



Nahho
Multiple length available,
also come with different
diffusers.

LINEAR LIGHTS

Colours  Anodized Alum.

NAHHO-SS



Series name	Article number	LED Consumption	Voltage	Length
NAHHO-SS	1510.008F	1 W (X14PCS)	24V DC	100mm
	1510.008H	4 W (X42PCS)	24V DC	285mm
	1510.008I	8 W (X84PCS)	24V DC	565mm
	1510.008J	12 W (X126PCS)	24V DC	845mm
	1510.008K	16 W (X168PCS)	24V DC	1123mm
	1510.008L	4 W (X42PCS)	24V DC	285mm

NAHHO-SS-S



NAHHO-SS-S	1510.022F	1 W (X14PCS)	24V DC	100mm
	1510.022H	4 W (X42PCS)	24V DC	285mm
	1510.022I	8 W (X84PCS)	24V DC	565mm
	1510.022J	12 W (X126PCS)	24V DC	845mm
	1510.022K	16 W (X168PCS)	24V DC	1123mm
	1510.022L	4 W (X42PCS)	24V DC	285mm

NAHHO-SS-R



NAHHO-SS-R	1510.021F	1 W (X14PCS)	24V DC	100mm
	1510.021H	4 W (X42PCS)	24V DC	285mm
	1510.021I	8 W (X84PCS)	24V DC	565mm
	1510.021J	12 W (X126PCS)	24V DC	845mm
	1510.021K	16 W (X168PCS)	24V DC	1123mm
	1510.021L	4 W (X42PCS)	24V DC	285mm

CABINET LIGHTS

Colours  Black  White

TOBEY-8D6+



TOBEY-8D6-S+



Series name	Article number	LED Consumption	Voltage
TOBEY-8D6+	1263.119B	2.4 W	24V DC
TOBEY-8D6-S+	1263.119C	2.4 W	24V DC

TOBEY-C8D6+



TOBEY-C8D6-S+



Series name	Article number	LED Consumption	Voltage
TOBEY-C8D6+	1363.119B	2.4 W	24V DC
TOBEY-C8D6-S+	1363.119C	2.4 W	24V DC

AKIS-R-II



BANIO-R-II



Colours  Black  White  Chrome  Matt chrome  Satin Nickel

Series name	Article number	LED Consumption	Voltage
AKIS-R-II	1468.106A	1.7 W	24V DC
BANIO-R-II	1468.113A	1.7 W	24V DC

EGG 4W



Colours  Black  White  Silver  Satin Nickel

Series name	Article number	LED Consumption	Voltage
EGG 4W	1468.107A	4 W	24V DC

