

# DRX1 - TUNABLE WHITE

FOR TRACK & MONOPOINT

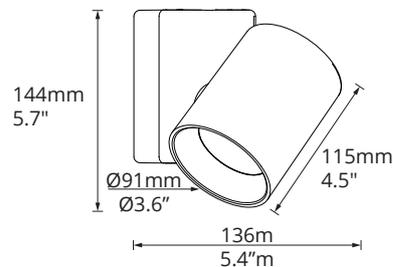


DRX1 is a lightweight and powerful motorized remote controlled spotlight. Its minimalist compact design and tiny footprint offer a solution for restricted spaces without compromising on output and quality. The DRX1 is available with two tunable CCT light engines, delivering up to 1,305 lumens from a selection of fixed beam options as well as zoom powered by Lensvector.

DRX1 is also available with Static White and RGBW - visit their specsheets to learn more.

## KEY FEATURES

- $\pm 165^\circ$  Pan,  $\pm 110^\circ$  Tilt Motorised Movement
- Wired or Wireless control
- Position and light level scene recall
- Compact minimalist design
- Tunable White
- 230V 3-Circuit Track or Monopoint
- 120V & 277V 2-Circuit Track or Monopoint



## PERFORMANCE DATA

OUTPUT OPTIONS	1300LM			
BEAM OPTIONS	15°	22°	32°	15-50° Zoom <sup>1</sup>
DELIVERED OUTPUT	1,305 lm	1,226 lm	1,062 lm	1,061 lm <sup>1</sup>
PEAK INTENSITY	13,796 cd	7,177 cd	3,095 cd	11,258 cd <sup>1</sup>
LED ARRANGEMENT	Single source			
LED WATTAGE	13W			
EFFICACY	100 lm/W			
DYNAMIC WATTAGE	20.3 W <sup>2</sup>			
CCT OPTIONS	1800K-4000K (3000K) <sup>3</sup>   2700K-6500K (5500K) <sup>3</sup>			

Notes

<sup>1</sup> Value at narrowest zoom setting

<sup>2</sup> Dynamic Wattage is the total power draw momentarily possible when both motors are running simultaneously.

<sup>3</sup> Tunable white when paired with Lensvector beam control has a narrower CCT tuning range of 1800-3000K or 2700-5500K

## MECHANICAL & MOUNTING

LOCATION	IP20	LIFETIME	L90 50,000 hrs min
ADJUSTABILITY	$\pm 165^\circ$ Pan, $\pm 110^\circ$ Tilt	WARRANTY	5 Years
WEIGHT	Track 1.20kg / 2.65lb   Monopoint 1.86kg / 4.10lb	TM65	63.37kgCO <sub>2</sub> e
MATERIAL	Machined AL 6063-T6	TM66	2.4
DRIVER	Integral	ACCESSORIES	Separate holder - Louver   Lenses
MOUNTING	Track   Monopoint		

## ORDER CODE

MODEL	MOUNTING	CCT	OUTPUT	BEAM ANGLE	VOLTAGE	CONTROL	FINISH
DRX1 DRX1	TM Track	TW1 1800-4000K <sup>4</sup>	13 1300LM	NA Narrow 15°	230 230V 50/60Hz	HAND Controller Only <sup>1</sup>	WH White
	MP Monopoint	TW2 2700-6500K <sup>4</sup>		ME Medium 22°	120 120V 50/60Hz	010V 0-10V <sup>2</sup>	BK Black
				WD Wide 32°	277 277V 50/60Hz	DALI DALI <sup>3</sup>	
				ZO Zoom 15-50°		DMX DMX	
						RCLC RCL Control	

Notes

<sup>1</sup> Handheld controller only, no additional control option enabled

<sup>2</sup> 0-10V controls light level only, handheld remote used for movement, CCT and scene control

<sup>3</sup> DALI controls light level, groups and scenes, handheld remote used for movement

<sup>4</sup> Tunable white when paired with Lensvector beam control has a narrower CCT tuning range of 1800-3000K or 2700-5500K

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## DRX1 ON ONETRACK



White



Black

## DRX1 MONOPOINT



White

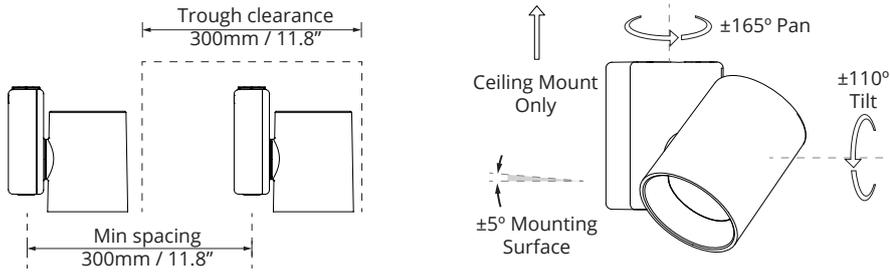


Black

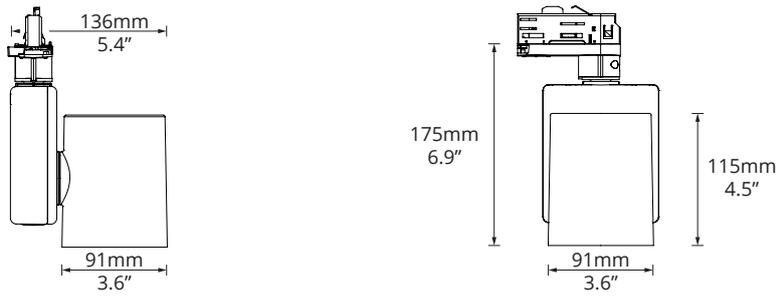
# DRX1 - TUNABLE WHITE

FOR TRACK & MONOPOINT

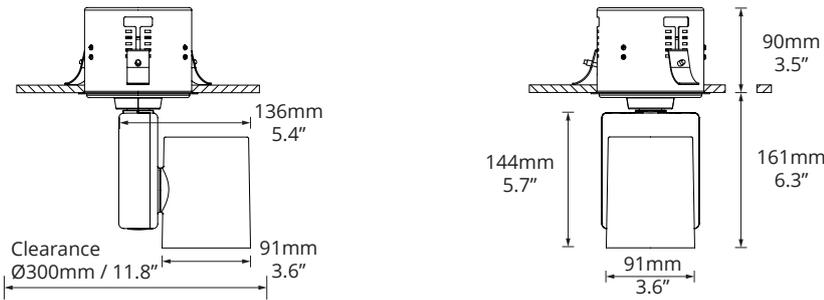
## INSTALLATION CLEARANCE AND ARTICULATION



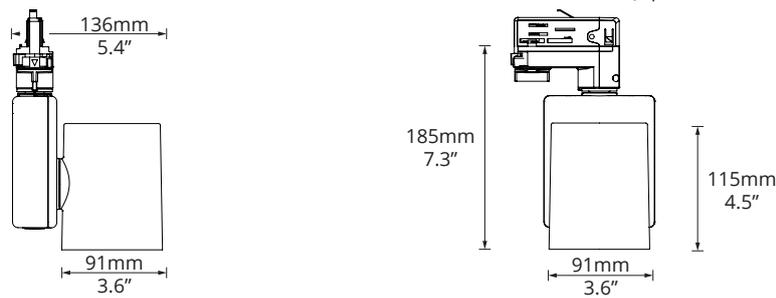
## 230V 3-CIRCUIT TRACK



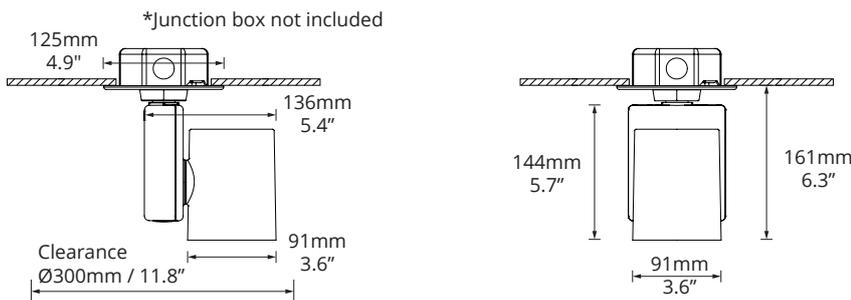
## 230V MONOPOINT



## 120V / 277V 2-CIRCUIT TRACK - NORTH AMERICA



## 120V / 277V MONOPOINT - NORTH AMERICA



## DIMMING & CONTROL TABLE

	Core Control Option In all products	Additional Control Option 1 can be used in addition to the handheld remote Remote required for commissioning			
	Handheld Remote	RCL Control	DALI	DMX	0-10V
BRIGHTNESS	✓	✓	✓	✓	✓
MOVEMENT	✓	✓	1	✓	
COLOUR TEMPERATURE	✓	✓	✓	✓	
RGBW	✓	✓	1	✓2	
ZOOM	✓	✓	1	✓	
SCENES	✓	✓	1	✓	

1. Zoom, RGBW and position programmed by handheld remote, recalled by DALI scenes command. 10 scenes available, not available with all DALI systems.  
2. Hue and Saturation control.

## DIMMING & CONTROL DETAILS

### Handheld Remote

The RCL handheld remote controller affords control of all aspects of the luminaire. Our products are available both as solely controlled by the remote or with another protocol. Regardless of if another protocol is specified on the product, it will always have the ability to be controlled by our handheld remote controller. The luminaire will always power up with its last configuration.

### RCL Control

The RCL Control iPad app offers an intuitive, user-friendly interface capable of managing multiple rooms and floors. RCL control requires a mediator device that acts as the wired to wireless interface on the project, this device acts as the hub, receiving then distributing wireless commands to up to 200 luminaires. The mediator can receive DALI or DMX wired inputs to allow control of groups of luminaires and recalling scenes requested from external building management systems. RCL Control utilises a dynamic wireless mesh network for robust, scalable and low-latency performance, ensuring reliable and secure operation without internet dependence. Luminaires can be organised into zones, groups and scenes, all controlled through our award-winning reflected ceiling plan interface.

### DALI

DALI offers brightness, CCT, group and scene control of our luminaires, the handheld remote is needed for movement. The first 10 scenes can be programmed by handheld controller and recalled by DALI, in this case all configured features can be set and recalled (i.e. zoom, position, etc). Not all DALI controllers use the DALI scene command, so testing is recommended.

### DMX

All configured features of our luminaires are available for control by DMX, by default the fixture will have a footprint of 4, allowing for pan, tilt and dim control. The handheld remote allows the user to select one of six possible profiles allowing for dim only, dim and movement or movement and control of all fitted light engine features with different resolutions available. Please note that RGBW is controlled with a hue and saturation channel.

When installing DMX to track mounted fixtures it is important to ensure that appropriate electrical isolation is provided between the DMX circuits on the track and any DMX connections. The DMX and electrical grounds will need to be connected, typically by a mains-powered splitter on the same circuit.

### 0-10V

0-10V has a single control group as all luminaires connected to the databus will dim in unison. 0-10V will only control the brightness, the handheld remote is needed for movement, CCT and zoom if available.

### Phase

Phase dimming is not available on RCL products.

Control method not listed here? We have a wealth of experience integrating with 3rd party control systems so get in touch.

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## 1300LM LIGHT ENGINE - OUTPUT SCALING

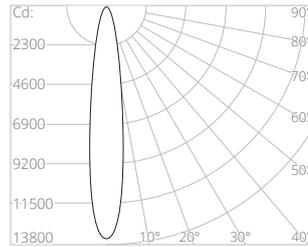
CCT	Multiplier	CRI	R9	Rf	Rg	Max Delivered lm
1800K	0.70	92	68	90	99	914lm
2400K	0.90	92	80	90	99	1175lm
<b>3000K</b>	<b>1.00</b>	<b>92</b>	<b>75</b>	<b>90</b>	<b>99</b>	<b>1305lm</b>
4000K	1.06	91	70	89	99	1383lm
6500K	1.20	91	65	89	98	1566lm

All diagrams and data measured at 3000K

## 1300LM LIGHT ENGINE - PHOTOMETRY

### 15° BEAM

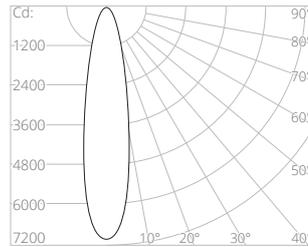
BEAM ANGLE 15°  
 DELIVERED LM 1305lm  
 PEAK INTENSITY 13796cd



Height	Beam Diameter	Illuminance (lx)	Footcandle (fc)	Height (ft)	Beam Diameter (ft)
1m	0.28m	13796lx	1533fc	0.8ft	3ft
2m	0.56m	3449lx	383fc	1.7ft	6ft
3m	0.84m	1533lx	170fc	2.5ft	9ft
4m	1.12m	862lx	96fc	3.4ft	12ft
5m	1.41m	552lx	61fc	4.2ft	15ft
			43fc	5.1ft	18ft

### 22° BEAM

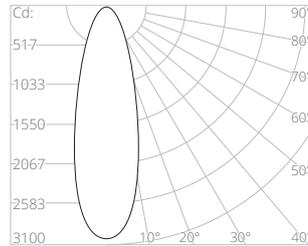
BEAM ANGLE 22°  
 DELIVERED LM 1226lm  
 PEAK INTENSITY 7177cd



Height	Beam Diameter	Illuminance (lx)	Footcandle (fc)	Height (ft)	Beam Diameter (ft)
1m	0.39m	7177lx	797fc	1.2ft	3ft
2m	0.78m	1794lx	199fc	2.3ft	6ft
3m	1.17m	797lx	89fc	3.5ft	9ft
4m	1.56m	449lx	50fc	4.7ft	12ft
5m	1.94m	287lx	32fc	5.8ft	15ft
			22fc	7.0ft	18ft

### 32° BEAM

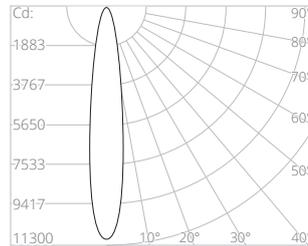
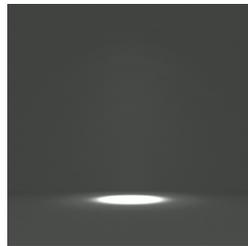
BEAM ANGLE 32°  
 DELIVERED LM 1062lm  
 PEAK INTENSITY 3095cd



Height	Beam Diameter	Illuminance (lx)	Footcandle (fc)	Height (ft)	Beam Diameter (ft)
1m	0.57m	3095lx	344fc	1.7ft	3ft
2m	1.15m	774lx	86fc	3.4ft	6ft
3m	1.72m	344lx	38fc	5.2ft	9ft
4m	2.29m	193lx	21fc	6.9ft	12ft
5m	2.87m	124lx	14fc	8.6ft	15ft
			10fc	10.3ft	18ft

### ZOOM 15° NARROWEST BEAM

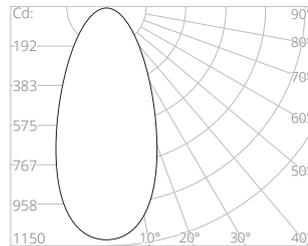
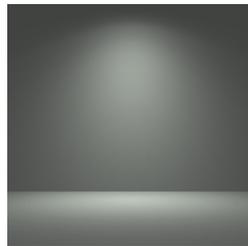
BEAM ANGLE 15°  
 DELIVERED LM 1061lm  
 PEAK INTENSITY 11258cd



Height	Beam Diameter	Illuminance (lx)	Footcandle (fc)	Height (ft)	Beam Diameter (ft)
1m	0.28m	11258lx	1251fc	0.8ft	3ft
2m	0.56m	2815lx	313fc	1.7ft	6ft
3m	0.84m	1251lx	139fc	2.5ft	9ft
4m	1.12m	704lx	78fc	3.4ft	12ft
5m	1.41m	450lx	50fc	4.2ft	15ft
			35fc	5.1ft	18ft

### ZOOM 50° WIDEST BEAM

BEAM ANGLE 50°  
 DELIVERED LM 943lm  
 PEAK INTENSITY 1129cd



Height	Beam Diameter	Illuminance (lx)	Footcandle (fc)	Height (ft)	Beam Diameter (ft)
1m	0.93m	1129lx	125fc	2.8ft	3ft
2m	1.87m	282lx	31fc	5.6ft	6ft
3m	2.80m	125lx	14fc	8.4ft	9ft
4m	3.73m	71lx	8fc	11.2ft	12ft
5m	4.66m	45lx	5fc	14.0ft	15ft
			3fc	16.8ft	18ft

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## ACCESSORIES

### Accessories for 1300lm fixed beam angle

A separate accessory holder is required that is field swappable. This can accommodate a louver plus 1 lens.

### Accessories for 1300lm zoom

No additional holder is required, accessories are factory fitted installed, not field swappable

## ACCESSORIES ORDER CODE

ORDER CODES	1300lm Fixed beam angle	1300lm Zoom	Use
	ACCESSORY HOLDER	12439	-
HONEYCOMB LOUVER	12438	12438	Reduces field beam and glare
NARROW MICROLENS	18251	18251	Light beam softening
MEDIUM MICROLENS	18252	18252	Medium beam softening
WIDE MICROLENS	18253	18253	Heavy beam softening

## FEATURE MAP

