

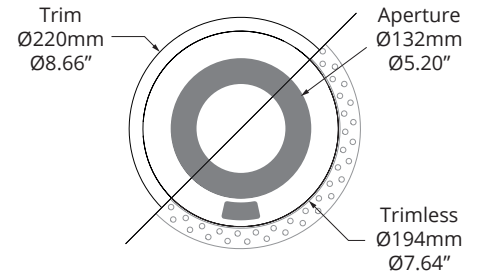
RECESSED TRIMMED & TRIMLESS



DRX7 is a recessed luminaire that masters the art of pin spotting and accent lighting while combining excellent beam quality with all the benefits of RCL technology. DRX7 is RCL's most powerful recessed product and is ideal for high-ceiling applications such as ballroom spaces, atriums, large hospitality venues, banqueting halls, and exhibition spaces. DRX7 offers a wide selection of beam options including zoom powered by Lensvector. DRX7 is also available with Tunable White and RGBW - visit their specsheets to learn more.

KEY FEATURES

- 360° pan with 35° tilt Motorised Movement
- Wired or Wireless control
- Position and light level scene recall
- Fully recessed and does not break the ceiling line
- Premium componentry
- Available with IC rated housing for North America



PERFORMANCE DATA

OUTPUT OPTIONS	1900LM		2800LM			
	7°	10°-55° Zoom ¹	10°	17°	28°	15-50° Zoom ¹
BEAM OPTIONS						
DELIVERED OUTPUT	1904 lm	1958 lm ¹	2799 lm	2794 lm	2601 lm	2625 lm ¹
PEAK INTENSITY	82,063 cd	48,045 cd ¹	66,035 cd	23,948 cd	8,124 cd	31,421 cd ¹
LED ARRANGEMENT	Single source		Single source			
LED WATTAGE	25 W		35 W			
EFFICACY	78 lm/W		80 lm/W			
DYNAMIC WATTAGE	34.4 W ²		46.3 W ²			
CCT OPTIONS	2700K 3000K 4000K		2700K 3000K 4000K			

Notes

¹ Value at narrowest zoom setting

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

MECHANICAL & MOUNTING

LOCATION	IP20	LIFETIME	L90 50,000 hrs min
ADJUSTABILITY	360° Pan, 35° Tilt	WARRANTY	5 Years
WEIGHT	3.00kg / 6.61lb IC housing +5.7kg / 12.57lb	TM65	130.03kgCO2e
MATERIAL	Machined AL 6063-T6	TM66	2.4
POWER SUPPLY	Remote	ACCESSORIES	Separate holder - Louver Lenses
MOUNTING	Recessed		

ORDER CODE

MODEL	MOUNTING	CCT	OUTPUT	BEAM ANGLE	TYPE	CONTROL	FINISH
DRX7 DRX7	TR Trimmed	27K 2700K	19 1900LM	UN Ultra Narrow 7°	230 230V 50/60Hz UNICP 120-277V Chicago Plenum IC Housing	HAND Controller Only ¹	WH White
	TL Trimless	30K 3000K 40K 4000K		ZO Zoom 10-55°		010V 0-10V ² DALI DALI ³ DMX DMX RCLC RCL Control	BK Black
			28 2800LM	NA Narrow 10° ME Medium 17° WD Wide 28° ZO Zoom 15-50°			

Notes

¹ Handheld controller only, no additional control option enabled

² 0-10V controls light level only, handheld remote used for movement and scene control

³ DALI controls light level, groups and scenes, handheld remote used for movement

DRX7

RECESSED TRIMMED & TRIMLESS

DRX7 TRIMMED



White



Black

DRX7 TRIMLESS



White

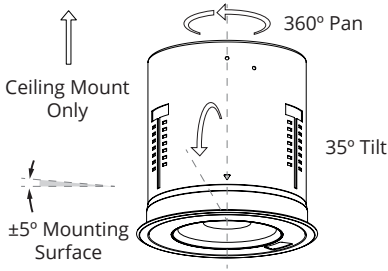


Black

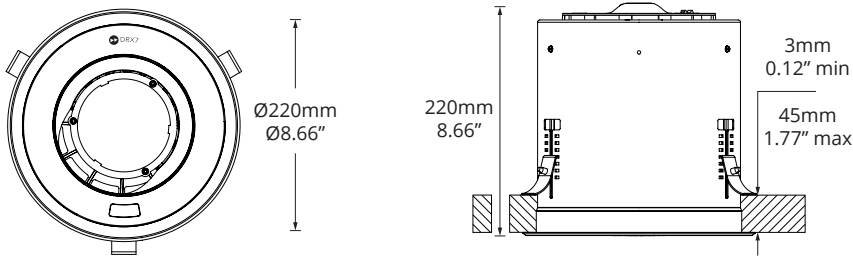
DRX7

RECESSED TRIMMED & TRIMLESS

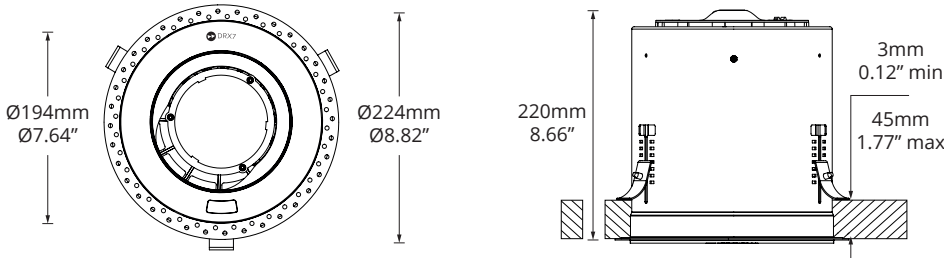
INSTALLATION CLEARANCE AND ARTICULATION



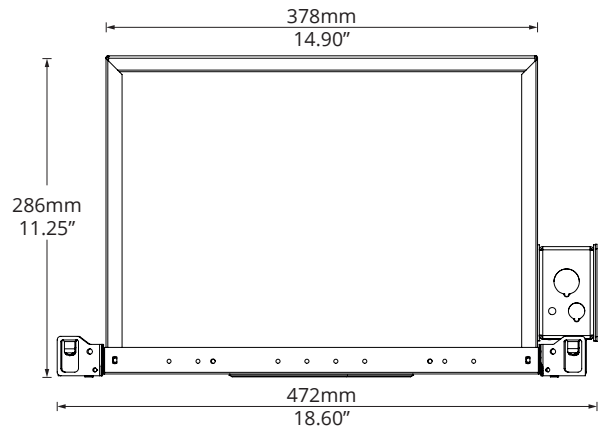
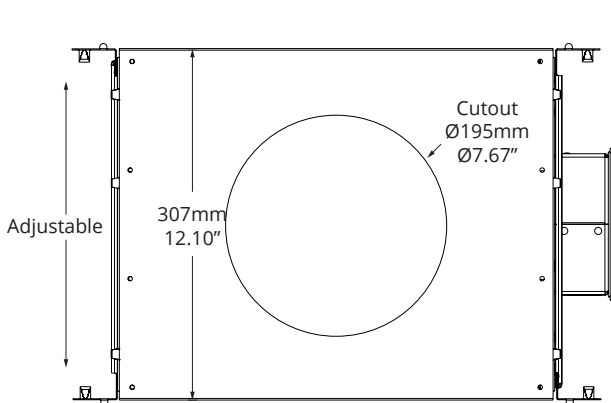
DRX7 TRIMMED



DRX7 TRIMLESS



120V / 277V IC HOUSING FOR NORTH AMERICA



Adjustable bar hanger 16" min. - 24" max.

Chicago Plenum rated by default.

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.

1900LM LIGHT ENGINE - OUTPUT SCALING

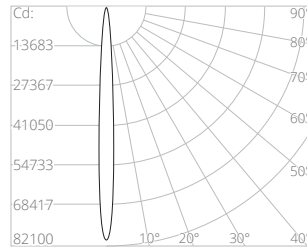
CCT	Multiplier	CRI	R9	Rf	Rg	Max Delivered lm
2400K	-	-	-	-	-	N/A
2700K	1.00	92	50	90	99	1958lm
3000K	1.00	92	50	90	99	1958lm
3500K	-	-	-	-	-	N/A
4000K	1.15	92	50	90	98	2252lm

All diagrams and data measured at 3000K

1900LM LIGHT ENGINE - PHOTOMETRY

7° BEAM

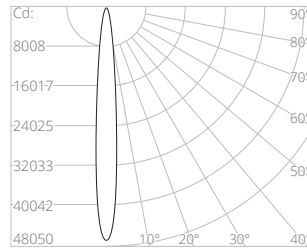
BEAM ANGLE 7°
 DELIVERED LM 1904lm
 PEAK INTENSITY 82063cd



Height	Beam Diameter	Peak Intensity (lx)	Footcandle (fc)	Height (ft)	Beam Diameter (ft)
1m	0.12m	82063lx	9118fc	0.4ft	3ft
2m	0.24m	20516lx	2280fc	0.7ft	6ft
3m	0.37m	9118lx	1013fc	1.1ft	9ft
4m	0.49m	5129lx	570fc	1.5ft	12ft
5m	0.61m	3283lx	365fc	1.8ft	15ft
			253fc	2.2ft	18ft

ZOOM 10° NARROWEST BEAM

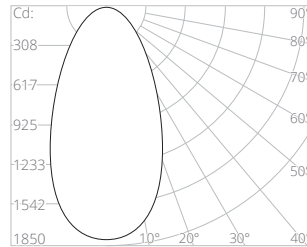
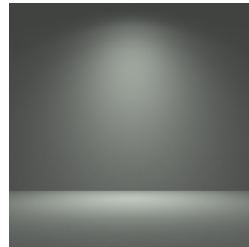
BEAM ANGLE 10°
 DELIVERED LM 1958lm
 PEAK INTENSITY 48045cd



Height	Beam Diameter	Peak Intensity (lx)	Footcandle (fc)	Height (ft)	Beam Diameter (ft)
1m	0.17m	48045lx	5338fc	0.5ft	3ft
2m	0.35m	12011lx	1335fc	1.0ft	6ft
3m	0.52m	5338lx	593fc	1.6ft	9ft
4m	0.70m	3003lx	334fc	2.1ft	12ft
5m	0.87m	1922lx	214fc	2.6ft	15ft
			148fc	3.1ft	18ft

ZOOM 55° WIDEST BEAM

BEAM ANGLE 55°
 DELIVERED LM 1719lm
 PEAK INTENSITY 1814cd



Height	Beam Diameter	Peak Intensity (lx)	Footcandle (fc)	Height (ft)	Beam Diameter (ft)
1m	1.04m	1814lx	202fc	3.1ft	3ft
2m	2.08m	454lx	50fc	6.2ft	6ft
3m	3.12m	202lx	22fc	9.4ft	9ft
4m	4.16m	113lx	13fc	12.5ft	12ft
5m	5.21m	73lx	8fc	15.6ft	15ft
			6fc	18.7ft	18ft

2800LM LIGHT ENGINE - OUTPUT SCALING

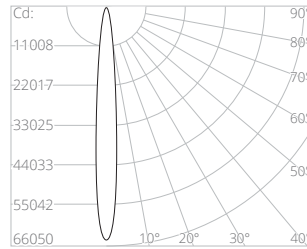
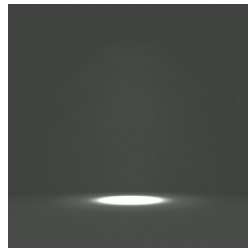
CCT	Multiplier	CRI	R9	Rf	Rg	Max Delivered lm
2400K	-	-	-	-	-	N/A
2700K	0.93	92	50	90	99	2603lm
3000K	1.00	92	50	90	99	2799lm
3500K	-	-	-	-	-	N/A
4000K	1.07	92	50	90	98	2995lm

All diagrams and data measured at 3000K

2800LM LIGHT ENGINE - PHOTOMETRY

10° BEAM

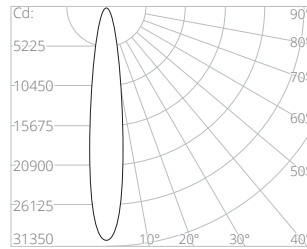
BEAM ANGLE 10°
 DELIVERED LM 2799lm
 PEAK INTENSITY 66035cd



Distance	Beam Diameter	Peak Illuminance (lx)	Footcandle (fc)	Height (ft)
1m	0.17m	66035lx	7337fc	0.5ft
2m	0.35m	16509lx	1834fc	1.0ft
3m	0.52m	7337lx	815fc	1.6ft
4m	0.70m	4127lx	459fc	2.1ft
5m	0.87m	2641lx	293fc	2.6ft
6m	1.04m	1651lx	183fc	3.1ft

17° BEAM

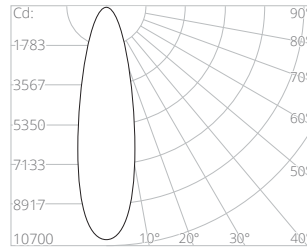
BEAM ANGLE 17°
 DELIVERED LM 2794lm
 PEAK INTENSITY 23948cd



Distance	Beam Diameter	Peak Illuminance (lx)	Footcandle (fc)	Height (ft)
1m	0.30m	31317lx	3480fc	0.9ft
2m	0.60m	7829lx	870fc	1.8ft
3m	0.90m	3480lx	387fc	2.7ft
4m	1.20m	1957lx	217fc	3.6ft
5m	1.49m	1253lx	139fc	4.5ft
6m	1.78m	812lx	97fc	5.4ft

28° BEAM

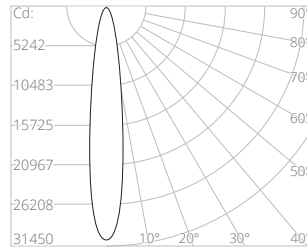
BEAM ANGLE 28°
 DELIVERED LM 2601lm
 PEAK INTENSITY 8124cd



Distance	Beam Diameter	Peak Illuminance (lx)	Footcandle (fc)	Height (ft)
1m	0.50m	10698lx	1189fc	1.5ft
2m	1.00m	2675lx	297fc	3.0ft
3m	1.50m	1189lx	132fc	4.5ft
4m	1.99m	669lx	74fc	6.0ft
5m	2.49m	428lx	48fc	7.5ft
6m	2.98m	285lx	33fc	9.0ft

ZOOM 15° NARROWEST BEAM

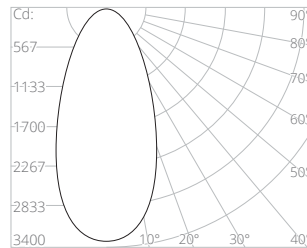
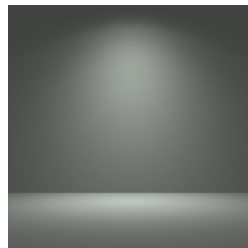
BEAM ANGLE 15°
 DELIVERED LM 2625lm
 PEAK INTENSITY 31421cd



Distance	Beam Diameter	Peak Illuminance (lx)	Footcandle (fc)	Height (ft)
1m	0.26m	31421lx	3491fc	0.8ft
2m	0.53m	7855lx	873fc	1.6ft
3m	0.79m	3491lx	388fc	2.4ft
4m	1.05m	1964lx	218fc	3.2ft
5m	1.32m	1257lx	140fc	3.9ft
6m	1.59m	811lx	97fc	4.7ft

ZOOM 50° WIDEST BEAM

BEAM ANGLE 50°
 DELIVERED LM 2310lm
 PEAK INTENSITY 2460cd



Distance	Beam Diameter	Peak Illuminance (lx)	Footcandle (fc)	Height (ft)
1m	0.93m	3386lx	376fc	2.8ft
2m	1.87m	847lx	94fc	5.6ft
3m	2.80m	376lx	42fc	8.4ft
4m	3.73m	212lx	24fc	11.2ft
5m	4.66m	135lx	15fc	14.0ft
6m	5.59m	83lx	10fc	16.8ft

ACCESSORIES

Accessories for 1800lm & 3800lm all beam options

A separate accessory holder is required that is field swappable for the honeycomb louver. The softening microlens options are factory fitted without an additional holder.

ACCESSORIES ORDER CODE

	1900lm	2800lm	Use
ACCESSORY HOLDER	19094	19094	Accommodates 1 louver plus 1 lens
HONEYCOMB LOUVER	10079	10079	Reduces field beam and glare
NARROW MICROLENS	19095	19095	Light beam softening
MEDIUM MICROLENS	19096	19096	Medium beam softening
WIDE MICROLENS	19097	19097	Heavy beam softening

FEATURE MAP

