DRX5

RECESSED TRIMMED & TRIMLESS

rcl by luminii

DRX5 is a compact recessed luminaire that masters the art of pin spotting and accent lighting while combining excellent beam quality with all the benefits of RCL technology. The DRX5 is available with three fixed CCT light engines, delivering up to 1,474 lumens from a wide selection of fixed beam options as well as zoom powered by Lensvector. DRX5 is also available with Tunable White and RGBW - visit their specsheets to learn more.

KEY FEATURES

- 360º pan with 35º 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

Trim Ø162mm Ø6.38"
Aperture Ø97mm Ø3.82"
Trimless Ø142mm Ø5.59"

ETL c-us | RoHS | CE | UKCA
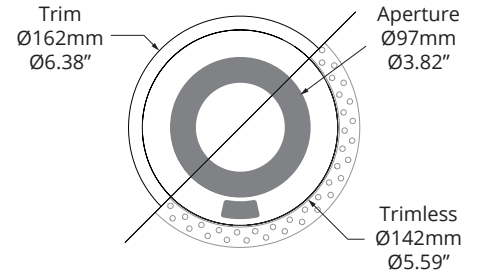
PERFORMANCE DATA

OUTPUT OPTIONS	500LM	600LM		1400LM			
BEAM OPTIONS	4º	6º	5-55º Zoom[1]	10º	22º	34º	10-55º Zoom[1]
DELIVERED OUTPUT	540 lm	628 lm	478 lm[1]	1,474 lm	1,399 lm	1,304 lm	1,309 lm[1]
PEAK INTENSITY	56,646 cd	41,409 cd	39,527 cd[1]	41,654 cd	8,931 cd	3,739 cd	33,214 cd[1]
LED ARRANGEMENT	Multi source	Single source		Single source			
LED WATTAGE	10 W	11 W		17 W			
EFFICACY	54 lm/W	57 lm/W		87 lm/W			
DYNAMIC WATTAGE	16.5 W [2]	17.8 W [2]		25.3 W [2]			
CCT OPTIONS	2700K | 3000K | 4000K	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	360º Pan, 35º Tilt	**WARRANTY**	5 Years
WEIGHT	1.55kg / 3.42lb | IC housing +5.3kg / 11.68lb	**TM65**	67.90kgCO2e
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
DRX5 DRX5	**TR** Trimmed **TL** Trimless	**27K** 2700K **30K** 3000K **40K** 4000K	**05** 500LM	**PN** Pinspot 4º	**230** 230V 50/60Hz **UNICP** 120-277V Chicago Plenum IC Housing	**HAND** Controller Only [1] **010V** 0-10V [2] **DALI** DALI [3] **DMX** DMX **RCLC** RCL Control	**WH** White **BK** Black
			06 600LM	**UN** Ultra Narrow 6º **ZO** Zoom 5-55º			
			14 1400LM	**NA** Narrow 10º **ME** Medium 22º **WD** Wide 34º **ZO** Zoom 10-55º			

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

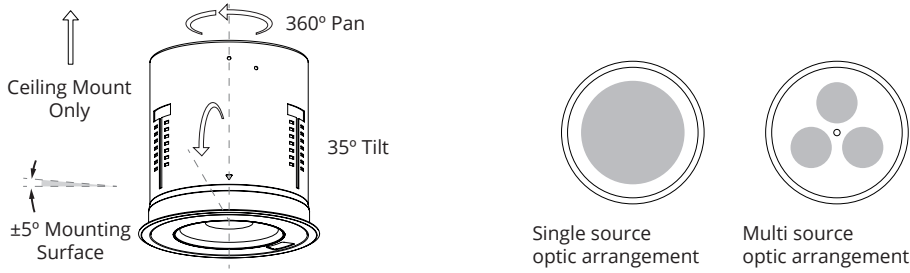## DRX5 TRIMMED

White

Black

DRX5 TRIMLESS

White

Black

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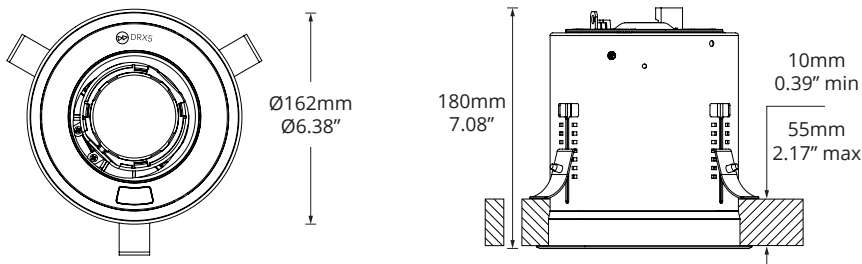RCLPLLSALES@LUMINII.COM
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INSTALLATION CLEARANCE AND ARTICULATION

360º Pan

Ceiling Mount
Only

35º Tilt

±5º Mounting
Surface

Single source
optic arrangement

Multi source
optic arrangement

DRX5 TRIMMED

Ø162mm
Ø6.38"

180mm
7.08"

10mm
0.39" min

55mm
2.17" max

DRX5 TRIMLESS

Ø142mm
Ø5.59"

Ø173mm
Ø6.81"

184mm
7.24"

10mm
0.39" min

55mm
2.17" max
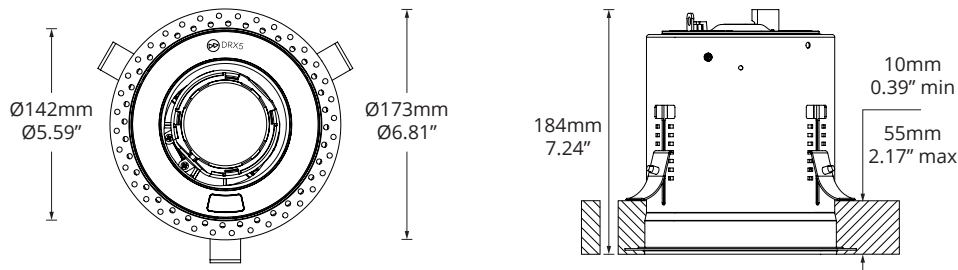
120V / 277V IC HOUSING FOR NORTH AMERICA

Cutout
Ø140mm
Ø5.51"

Adjustable

307mm
12.10"

378mm
14.90"

218mm
8.60"

472mm
18.60"

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

Chicago Plenum rated by default.

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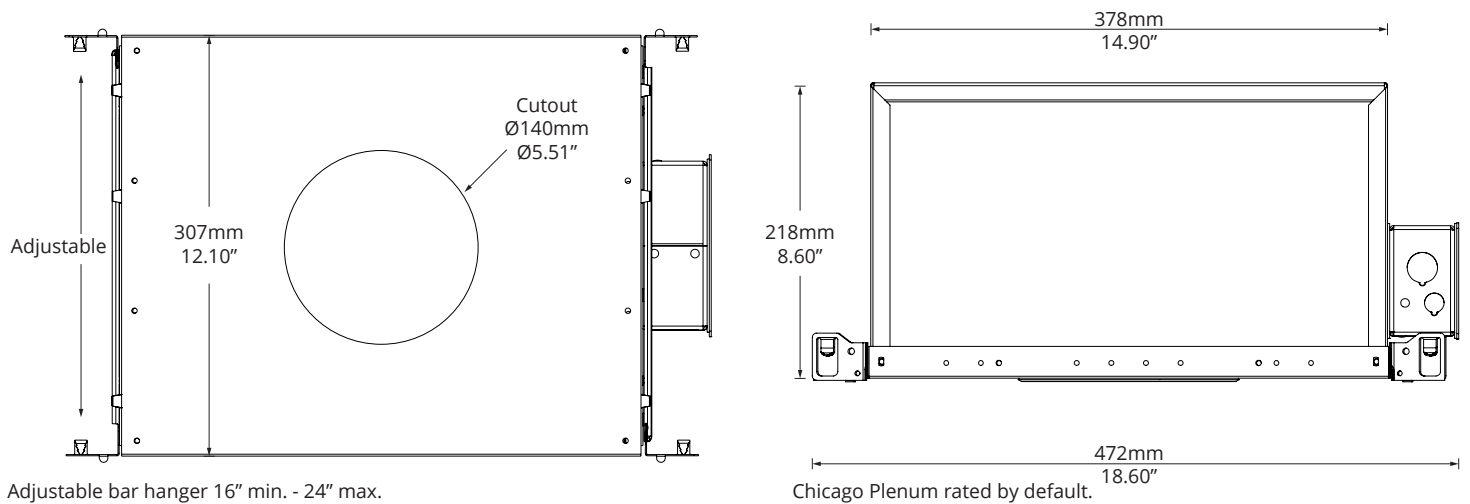
DIMMING & CONTROL TABLE

	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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500LM LIGHT ENGINE - OUTPUT SCALING

CCT	Multiplier	CRI	R9	Rf	Rg		Max Delivered lm
2400K	-	-	-	-	-		N/A
2700K	0.92	90	53	89	99		497lm
3000K	**1.00**	**90**	**53**	**89**	**99**		**540lm**
3500K	-	-	-	-	-		N/A
4000K	1.30	80	50	79	98		702lm

All diagrams and data measured at 3000K

500LM LIGHT ENGINE - PHOTOMETRY

4° BEAM

BEAM ANGLE	4°
DELIVERED LM	540lm
PEAK INTENSITY	56656cd

Cd:
9442
18883
28325
37767
47208
56650
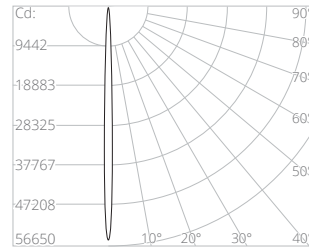
1m	0.07m	56646lx		6294fc	0.2ft	3ft
2m	0.14m	14162lx		1574fc	0.4ft	6ft
3m	0.21m	6294lx		699fc	0.6ft	9ft
4m	0.28m	3540lx		393fc	0.8ft	12ft
5m	0.35m	2266lx		252fc	1.0ft	15ft
				175fc	1.3ft	18ft

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600LM LIGHT ENGINE - OUTPUT SCALING

CCT	Multiplier	CRI	R9	Rf	Rg	Max Delivered lm
2400K	-	-	-	-	-	N/A
2700K	0.93	90	54	90	99	584lm
3000K	**1.00**	**90**	**54**	**90**	**99**	**628lm**
3500K	-	-	-	-	-	N/A
4000K	1.00	90	53	90	98	628lm

All diagrams and data measured at 3000K

600LM LIGHT ENGINE - PHOTOMETRY

6° BEAM

BEAM ANGLE	6°
DELIVERED LM	628lm
PEAK INTENSITY	41409cd

Cd:
6908
13817
20725
27633
34542
41450

1m	0.10m	41409lx	4601fc	0.3ft	3ft
2m	0.21m	10352lx	1150fc	0.6ft	6ft
3m	0.31m	4601lx	511fc	0.9ft	9ft
4m	0.42m	2588lx	288fc	1.3ft	12ft
5m	0.52m	1656lx	184fc	1.6ft	15ft
			128fc	1.9ft	18ft

ZOOM 5° NARROWEST BEAM

BEAM ANGLE	5°
DELIVERED LM	473lm
PEAK INTENSITY	39527cd

Cd:
6592
13183
19775
26367
32958
39550

1m	0.09m	39527lx	4392fc	0.3ft	3ft
2m	0.17m	9882lx	1098fc	0.5ft	6ft
3m	0.26m	4392lx	488fc	0.8ft	9ft
4m	0.35m	2470lx	274fc	1.0ft	12ft
5m	0.44m	1581lx	176fc	1.3ft	15ft
			122fc	1.6ft	18ft

ZOOM 55° NARROWEST BEAM

BEAM ANGLE	55°
DELIVERED LM	478lm
PEAK INTENSITY	481cd

Cd:
83
167
250
333
417
500

1m	1.04m	481lx	53fc	3.1ft	3ft
2m	2.08m	120lx	13fc	6.2ft	6ft
3m	3.12m	53lx	6fc	9.4ft	9ft
4m	4.16m	30lx	3fc	12.5ft	12ft
5m	5.21m	19lx	2fc	15.6ft	15ft
			1fc	18.7ft	18ft

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1400LM LIGHT ENGINE - OUTPUT SCALING

CCT	Multiplier	CRI	R9	Rf	Rg	Max Delivered lm
2400K	-	-	-	-	-	N/A
2700K	1.00	92	50	90	99	1474lm
3000K	**1.00**	**92**	**50**	**90**	**99**	**1474lm**
3500K	-	-	-	-	-	N/A
4000K	1.15	92	50	90	98	1695lm

All diagrams and data measured at 3000K

1400LM LIGHT ENGINE - PHOTOMETRY

10° BEAM

BEAM ANGLE	10°
DELIVERED LM	1474lm
PEAK INTENSITY	41654cd

Cd:
6950
13900
20850
27800
34750
41700
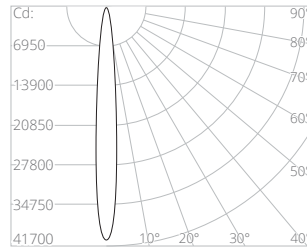
1m	0.17m	41654lx	4628fc	0.5ft	3ft
2m	0.35m	10414lx	1157fc	1.0ft	6ft
3m	0.52m	4628lx	514fc	1.6ft	9ft
4m	0.70m	2603lx	289fc	2.1ft	12ft
5m	0.87m	1666lx	185fc	2.6ft	15ft
			129fc	3.1ft	18ft

22° BEAM

BEAM ANGLE	22°
DELIVERED LM	1399lm
PEAK INTENSITY	8931cd

Cd:
1492
2983
4475
5967
7458
8950
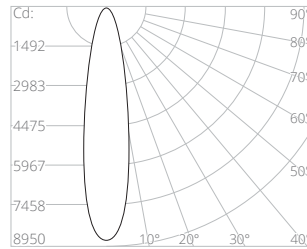
1m	0.39m	8931lx	992fc	1.2ft	3ft
2m	0.78m	2233lx	248fc	2.3ft	6ft
3m	1.17m	992lx	110fc	3.5ft	9ft
4m	1.56m	558lx	62fc	4.7ft	12ft
5m	1.94m	357lx	40fc	5.8ft	15ft
			28fc	7.0ft	18ft

34° BEAM

BEAM ANGLE	34°
DELIVERED LM	1304lm
PEAK INTENSITY	3739cd

Cd:
625
1250
1875
2500
3125
3750
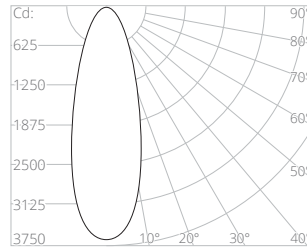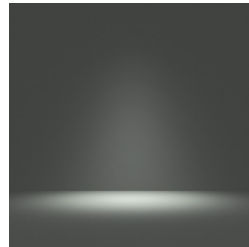
1m	0.61m	3739lx	415fc	1.8ft	3ft
2m	1.22m	935lx	104fc	3.7ft	6ft
3m	1.83m	415lx	46fc	5.5ft	9ft
4m	2.45m	234lx	26fc	7.3ft	12ft
5m	3.06m	150lx	17fc	9.2ft	15ft
			12fc	11.0ft	18ft

ZOOM 10° NARROWEST BEAM

BEAM ANGLE	10°
DELIVERED LM	1309lm
PEAK INTENSITY	33214cd

Cd:
5542
11083
16625
22167
27708
33250
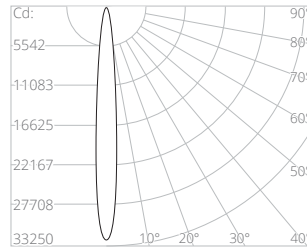
1m	0.17m	33214lx	3690fc	0.5ft	3ft
2m	0.35m	8304lx	923fc	1.0ft	6ft
3m	0.52m	3690lx	410fc	1.6ft	9ft
4m	0.70m	2076lx	231fc	2.1ft	12ft
5m	0.87m	1329lx	148fc	2.6ft	15ft
			103fc	3.1ft	18ft

ZOOM 55° WIDEST BEAM

BEAM ANGLE	55°
DELIVERED LM	986lm
PEAK INTENSITY	991cd

Cd:
167
333
500
667
833
1000
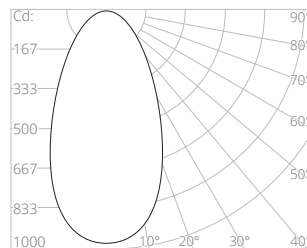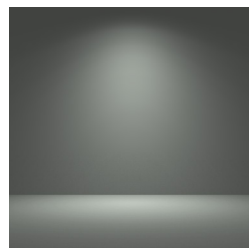
1m	1.04m	991lx	110fc	3.1ft	3ft
2m	2.08m	248lx	28fc	6.2ft	6ft
3m	3.12m	110lx	12fc	9.4ft	9ft
4m	4.16m	62lx	7fc	12.5ft	12ft
5m	5.21m	40lx	4fc	15.6ft	15ft
			3fc	18.7ft	18ft

DRX5

RECESSED TRIMMED & TRIMLESS

ACCESSORIES

Accessories for 600lm / 1400lm fixed beam angle
A separate accessory holder is required that is field swappable. This can accomodate a louver plus 1 lens.

Accessories for 600lm / 1400lm zoom
No additional holder is required, accessories are factory fitted if ordered.

ACCESSORIES ORDER CODE

		500lm 4°	600lm / 1400lm Fixed beam angle	600lm / 1400lm Zoom	Use
ORDER CODES	ACCESSORY HOLDER	-	18259	No holder required	Accommodates 1 louver plus 1 lens
	HONEYCOMB LOUVER	-	18241	18882	Reduces field beam and glare
	NARROW MICROLENS	-	18302	18302	Light beam softening
	MEDIUM MICROLENS	-	18303	18303	Medium beam softening
	WIDE MICROLENS	-	18304	18304	Heavy beam softening

FEATURE MAP

MOTORISED PAN AND TILT MOVEMENT

HIGH POWER SINGLE SOURCE LED

SINGLE SOURCE LIGHT ENGINE

OPTIONAL MICROLENS ACCESSORY

OPTIONAL FACTORY INSTALLED LENSVECTOR ZOOMABLE BEAM

OPTIONAL LOUVER ACCESSORY

LIGHT ENGINE RETENTION RING

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