RXS is the all new high performance specification downlight to complement the ground breaking RXD LED range and highly successful Solstar CFL family.

Integrating the latest multi-die LED chip technology and offered in three sizes with a range of control gear options, this exceptional new product caters for a diverse range of output requirements with the ability to truely replace 50W halogen through to 2x42W CFL and beyond with a highly efficient LED solution.

RXS1 Large offers luminaire output in excess of 4,000 lumens, comparable with 70W metal halide luminaire lumen output, though with lower energy consumption from RXS.

The family look and feel across the range allows the correct performance variants to be selected across different areas of a building whilst maintaining a consistent appearance throughout.

- 3 low profile housing sizes with a range of lumen packages from a choice of drive currents
- Efficient thermal management maximises LED output, efficacy and life
- IP65 bezel option with easy to clean profile
- Plug and play connection for rapid installation (Large)
- Decorative 'drop cylinder' attachment option
- Available with fixed output, 1-10V or DALI dimmable control gear to maximise energy saving
- 3000K, 4000K, 5000K colour temperature options, all >80 CRI
- Emergency options with self test capability
- New RXS Adjustable variant adds the gimble head feature for added functionality, ideal for retail, display and hospitality areas
- RXS Mini is 90 min fire rated to BS EN 1365-2:2000

Lamp and Control Gear Options

- Multi-die LED technology

- 3000K warm white, 4000K neutral white, 5000K cool white >80 CRI

- Close colour tolerance: MacAdam 3 SDCM

- Range of driver options with choice of drive currents, all >0.9pf

- Dimming options including 1-10V and DALI

Materials

- Housing/Heatsink - die cast aluminium with polycarbonate cable clamp

- First Fix Bezel - die cast aluminium with polycarbonate inserts (large version only)

- Bezel - injection moulded polycarbonate RAL9016 finish

- IP65 Bezel - injection moulded polycarbonate RAL9016 finish with clear centre lens

- Reflector - high grade anodised aluminium

- Gear Boxes - injection moulded fire retardant ABS (large version only) steel construction, powder coated RAL9016 white finish (small version)

- Drop Cylinder Attachment - injection moulded polycarbonate

Installation Notes

- Shallow profile to suit low ceiling voids, allow 25mm clearance above housing. Do not cover with insulation

- Allow 100mm clearance around the luminaire's sides free of any insulation to allow for suitable air flow

- Pre-wired driver/gearbox to luminaire head minimising instal time

- Control gear fits through ceiling cut out to suit solid ceilings

- Luminaire retained securely with tool less spring clips

- Large variant has first fix bezel into which the housing twist and locks for simple installation

- First fix bezel retaining clips accommodate up to 30mm ceiling thickness

- RXS Small ceiling spring clips accommodate up to 30mm ceiling thickness

- RXS Mini ceiling spring clips accommodate up to 27mm ceiling thickness

- Drop cylinder has simple snap fit into the IP20 trim bezel of the large and small versions

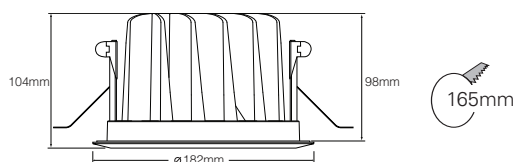- RXS Mini is 90 min fire rated to BS EN 1365-2:2000

Options

- Fully integral LED emergency conversion, 3 hour duration (Large and Small versions only)

- EasiCheck and Intellem self-test emergency versions available (Large and Small versions only)

- Drop cylinder decorative attachment option for IP20 versions (Large and Small versions only)

- IP65 option available, order as complete luminaire (IP65 is standard on RXS Mini)
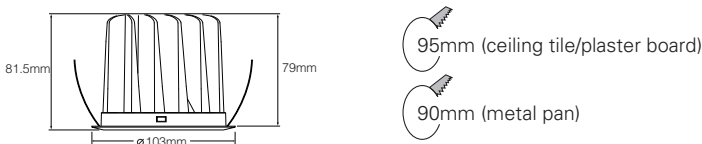
Specification

To specify state: Multi-die LED downlight with high performance passive thermal management, 81.0/81.5/104mm overall height, round 81.5/103/182mm diameter IP20/IP65 bezel in white RAL9016 finish, retro fit drop cylinder attachment facility as Eaton's RXS range part no _____
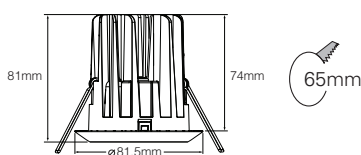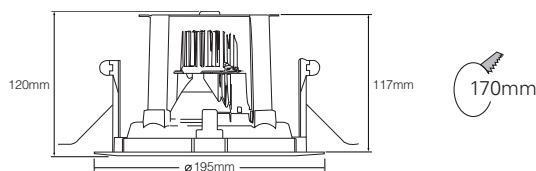
Dimensions

RXS Large

104mm 98mm 165mm ⌀182mm

RXS Small
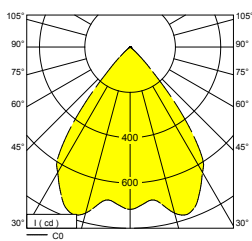
81.5mm 79mm 95mm (ceiling tile/plaster board) 90mm (metal pan) ⌀103mm

RXS Mini

81mm 74mm 65mm ⌀81.5mm

RXS Adjustable

120mm 117mm 170mm ⌀195mm

Performance Data

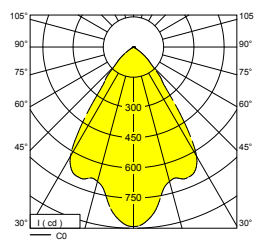| Data		RXS1 Mini			RXS1 Small			RXS1 Large				
Drive Current		350mA			350mA	500mA	700mA	350mA	500mA	700mA	1A	1.2A
Drive Current Cat No		1			1	2	3	1	2	3	4	5
Total Circuit Watts (W)		16			14	20	28	16	23	33	49	60
Beam Angle		W 61°	M 54°	N 31°	69°	69°	69°	75°	75°	75°	75°	75°
Warm White 3000K	Luminaire output (lm)	983	877	939	887	1168	1496	1279	1763	2330	3023	3365
	Efficacy (L lm/cW)	61	55	59	63	58	53	80	77	71	62	56
Neutral White 4000K	Luminaire output (lm)	1081	948	1014	963	1268	1611	1426	1960	2579	3395	3787
	Efficacy (L lm/cW)	67	59	63	69	63	58	89	85	78	69	63
Cool White 5000K	Luminaire output (lm)	n/a	n/a	n/a	979	1312	1682	1532	2075	2762	3626	4022
	Efficacy (L lm/cW)	n/a	n/a	n/a	70	66	60	96	90	84	74	67

Energy Consumption (25 luminaires running for 50,000 hours)

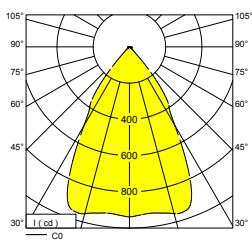| Data	RXS Mini 350mA	50W Tungsten Halogen	RXS Small 700mA	2x18W CFL	RXS Large 1.0A	2x42W CFL	RXS Large 1.2A	70W HIT Metalhalide
Total circuit Watts (W)	16	49	28	38	49	89	60	73
Luminaire Lumens (WW)	983	1000	1496	1560	3395	3648	3787 (NW) 4022 (CW)	4180
Luminaire Efficacy	61.4	20.4	53.4	41.1	69.3	41.0	63.1 (WW) 67.0 (CW)	57.3
Total KWh	20000	61250	35000	47500	61250	111250	77500	91250
LED Energy Saving (%)	67%		26%		45%		15%	
Typical lamp changes	0	25	0	5	0	5	0	6

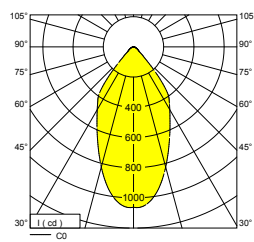## Photometric Data

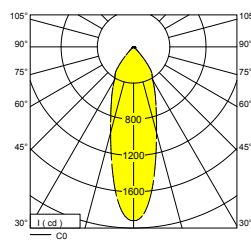Cat. No. RXS1L-1CWZ
RXS Large

Cat. No. RXS1S-1CWZ
RXS Small

SHR nom: 1:1
SHR max: 1:1.04
RXS Mini - WW Wide

SHR nom: 1.1
SHR max: 1:1.02
RXS Mini - WW Medium

SHR nom: 0.5:1
SHR max: 1:0.6
RXS Mini - WW Narrow

Downlights & Spotlights
RXS Family

Catalogue Numbers

RXS1 Mini

Drive Current	Cat No WW	Cat No NW	Weight (kg)	Reflector Option
350mA	RXS1M-1WWWZ	RXS1M-1NWWZ	0.31	Wide
350mA	RXS1M-1WWMZ	RXS1M-1NWMZ	0.31	Medium
350mA	RXS1M-1WWNZ	RXS1M-1NWNZ	0.31	Narrow

RXS1 Small

Drive Current	Cat No WW	Cat No NW	Cat No CW	Weight (kg)
350mA	RXS1S-1WWZ	RXS1S-1NWZ	RXS1S-1CWZ	0.5
500mA	RXS1S-2WWZ	RXS1S-2NWZ	RXS1S-2CWZ	0.5
700mA	RXS1S-3WWZ	RXS1S-3NWZ	RXS1S-3CWZ	0.5

RXS1 Small c/w Emergency

Drive Current	Cat No WW	Cat No NW	Cat No CW	Weight (kg)
350mA	ERRXS1S-1WWZ	ERRXS1S-1NWZ	ERRXS1S-1CWZ	1.1
500mA	ERRXS1S-2WWZ	ERRXS1S-2NWZ	ERRXS1S-2CWZ	1.1
700mA	ERRXS1S-3WWZ	ERRXS1S-3NWZ	ERRXS1S-3CWZ	1.1

RXS1 Large

Drive Current	Cat No WW	Cat No NW	Cat No CW	Weight (kg)
350mA	RXS1L-1WWZ	RXS1L-1NWZ	RXS1L-1CWZ	1.8
500mA	RXS1L-2WWZ	RXS1L-2NWZ	RXS1L-2CWZ	1.8
700mA	RXS1L-3WWZ	RXS1L-3NWZ	RXS1L-3CWZ	1.8
1000mA	RXS1L-4WWZ	RXS1L-4NWZ	RXS1L-4CWZ	2.0
1200mA	RXS1L-5WWZ	RXS1L-5NWZ	RXS1L-5CWZ	2.0

RXS1 Large c/w Emergency

Drive Current	Cat No WW	Cat No NW	Cat No CW	Weight (kg)
350mA	ERRXS1L-1WWZ	ERRXS1L-1NWZ	ERRXS1L-1CWZ	2.5
500mA	ERRXS1L-2WWZ	ERRXS1L-2NWZ	ERRXS1L-2CWZ	2.5
700mA	ERRXS1L-3WWZ	ERRXS1L-3NWZ	ERRXS1L-3CWZ	2.5
1000mA	ERRXS1L-4WWZ	ERRXS1L-4NWZ	ERRXS1L-4CWZ	2.5
1200mA	ERRXS1L-5WWZ	ERRXS1L-5NWZ	ERRXS1L-5CWZ	2.5

For DALI Dimming option replace character Z with DD, e.g. RXS1S-1WWZ becomes RXS1S-1WWDD

For 1-10V Dimming option replace character Z with R, e.g. RXS1S-1WWZ becomes RXS1S-1WWR

For IP65 bezel options add the 65 after the colour temperature, e.g. RXS1S-1WWZ becomes RXS1S-1WW65Z

Emergency versions available with automatic test functionality, e.g. EasiCheck

RXS1 Accessories

Description	Cat No	Weight (kg)
Decorative Drop Cylinder - Large	RXS1L-DC	0.4
Decorative Drop Cylinder - Small	RXS1S-DC	0.2

Note: The decorative drop cylinders are for use with the IP20 bezel options only

RXS Adjustable

LED Variants - Single Head

Beam Angle	Cat No WW	Cat No NW	Cat No CW	Weight (kg)
16°	RXSA-RS1L-WW16	RXSA-RS1L-NW16	RXSA-RS1L-CW16	0.9
24°	RXSA-RS1L-WW24	RXSA-RS1L-NW24	RXSA-RS1L-CW24	0.9
40°	RXSA-RS1L-WW40	RXSA-RS1L-NW40	RXSA-RS1L-CW40	0.9

For DALI Dimming option replace character Z with DD,
e.g. RXSA-RS1L-NW24 becomes RXSA-RS1L-NW24-DD

For 1-10V Dimming option replace character Z with R,
e.g. RXSA-RS1L-NW24 becomes RXSA-RS1L-NW24-R

NOTE: Remember to order the relevant bezel trim (white or silver)

CDM-R Metal Halide Variants - Single Head

Cat No 20W	Cat No 35W	Weight (kg)
RXSA-RS1M20	RXSA-RS1M35	0.9

RXS Adjustable - Bezel Trims - Single Head

Cat No White	Cat No Silver	Weight (kg)
RXSA-RSR1W	RXSA-RSR1S	0.2

RXS

RXS with Drop Cone