CeilingStar

Compact IP & Fire Rated Downlight

v5_5_01a

Diffuse "non LED" appearance*

Available in standard fixed white colours

Single plane 200 tilt adjustment option

IP65 for use in wet areas

30 & 60 minute fire rated versions

From 55mm ultra low void depth

Excellent efficacy of up to 120 luminaire lumens per circuit Watt

Up to 1400 delivered lumens

Build heritage with >65,000 hours test data

- ● Starling 650
- ● Ozled 800
- ● Starling 900
- ● Ozled 1100
- ● Ozled 1300

SEREN
LIGHTING

CeilingStar TL

Trimless Diffuse

Flush setting

Recessed setting

Plaster-in trimless fixture

Height adjustable to allow flush or recessed installation

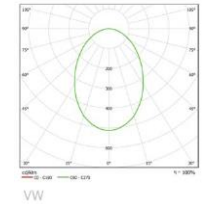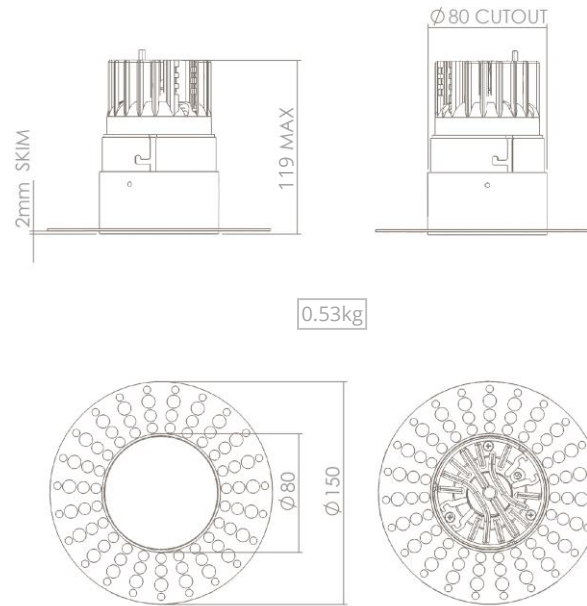Efficacy of up to 104 luminaire lumens per circuit Watt

Up to 996 delivered lumens

Finish(es): Matt White (MW)

Options: Non-Self Test Emergency (-E), Self Test & DALI Addressable Emergency (-D)

Beam Angle(s): 77°/(VW), 79°/(VW), 81°/(VW)

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www.serenlighting.com

Ø 80 CUTOUT

119 MAX

2mm SKIM

0.53kg

Ø 80

Ø 150

VW

The minimum ceiling void for the HalcyonTM controller, based on a 18mm ceiling thickness is 110mm from the top of the ceiling board.

The minimum ceiling void for the Lutron EcoSystem driver, based on a 18mm ceiling thickness is 85mm from the top of the ceiling board.

Order Codes:

e.g. CSTLMW/MC2-740-830/FL/AND-E

Product	Finish	Light Engine-Lumens	Photometric Code	Beam	Drivers	Options
CSTL	MW	/SL1-650	-827 -927 -830 -930 -840	/WF	/UNI /AND /A10 /ADL /0DV	-E -D
		/OZ1-800	-827 -927 -830 -930 -840	/S /NF /FL /WF	/UNI /AND /A10 /ADL /0DV	-E -D
		/SL1-900	-827 -927 -830 -930 -840	/WF	/UNI /AND /A10 /ADL /0DV	-E -D
		/OZ1-1100	-827 -927 -830 -930 -840	/S /NF /FL /WF	/UNI /AND /A10 /ADL /0DV	-E -D
		/OZ1-1300	-827 -927 -830 -930 -840	/S /NF /FL /WF	/UNI /AND /A10 /ADL /0DV	-E -D

CeilingStar TL
Trimless Diffuse

SEREN LIGHTING

Performance Data	Starling 650 🟣	Ozled 800 🔵				Starling 900 🟢	Ozled 1100 🟢				Ozled 1300 🟣			
Engine Name	Starling 650	Ozled 800				Starling 900	Ozled 1100				Ozled 1300			
Order Code	SL1-650	OZ1-800				SL1-900	OZ1-1100				OZ1-1300			
Light Engine Power	4.2W	6.25W				6.1W	6.94W				10.39W			
LED (Source) Lumens (L100)	628 lm	896 lm				883 lm	741 lm				1015 lm			
Luminaire / System Power ***	5.8W	7.2W				7.8W	8.3W				13.4W			
For Drivers: I / Vmax	350 mA / 24V	350 mA / 24V				500 mA / 24V	350 mA / 24V				500 mA / 24V			
Visual Lens	Diffuse	clear	Diffuse	Diffuse	Diffuse	Diffuse	clear	Diffuse	Diffuse	Diffuse	clear	Diffuse	Diffuse	Diffuse
Beam Angle(s) (Measured)**	70/(WF)	(S)	27/(NF)	44/(FL)	57/(WF)	70/(WF)	(S)	27/(NF)	40/(FL)	57/(WF)	(S)	27/(NF)	44/(FL)	57/(WF)

Delivered Lumens (L100) @

	Starling 650	Ozled 800				Starling 900	Ozled 1100				Ozled 1300			
> 80 Ra 2700K	549 lm	TBC	767 lm	719 lm	694 lm	773 lm	TBC	894 lm	834 lm	805 lm	TBC	1297 lm	1184 lm	1143 lm
	-			-		-			-				-	
> 80 Ra 3000K	565 lm	TBC	818 lm	762 lm	737 lm	795 lm	TBC	945 lm	884 lm	855 lm	TBC	1363 lm	1255 lm	1214 lm
	-			-		-			-				-	
> 80 Ra 4000K	613 lm	TBC	875 lm	819 lm	792 lm	863 lm	TBC	1020 lm	950 lm	919 lm	TBC	1457 lm	1349 lm	1304 lm
	-			-		-			-				-	

Luminaire Efficacy (Llm/cW)

	Starling 650	Ozled 800			Starling 900	Ozled 1100			Ozled 1300		
> 80 Ra 2700K	95	107	100	96	99	108	100	97	95	88	85
	-		-		-		-			-	
> 80 Ra 3000K	97	114	106	102	102	114	107	103	102	94	91
	-		-		-		-			-	
> 80 Ra 4000K	106	122	114	110	111	122	114	111	109	101	97
	-		-		-		-			-	

Performance Data	Starling 650	Ozled 800	Starling 900	Ozled 1100	Ozled 1300
Initial / Maintained SDCM	<3 / <3	<3 / <3	<3 / <3	<3 / <3	<3 / <3
Rated Life (L70F10)	50,000 hours	50,000 hours	50,000 hours	50,000 hours	50,000 hours
Lumen Maintenance Category	Cat 1 / Code 9	Cat 1 / Code 9	Cat 1 / Code 9	Cat 1 / Code 9	Cat 1 / Code 9

Drivers & Control***

Drivers		Starling 650	Ozled 800	Starling 900	Ozled 1100	Ozled 1300
	Mains universal dimming and non dimming	/UNI	/UNI	/UNI	/UNI	/UNI
	Non diming only	/AND	/AND	/AND	/AND	/AND
	1-10V dimming	/A1O	/A1O	/A1O	/A1O	/A1O
	Dali dimming	/ADL	/ADL	/ADL	/ADL	/ADL
	Without LED driver	/0DV	/0DV	/0DV	/0DV	/0DV

NB: All figures +/- 10% and specified at 25°C ambient unless stated. Data in grey is indicative.
CRI shift at 6000 hours remains within 3 points of the rated CRI.
Power factor > 0.9, see driver data sheet for full data. For BLF see light engine tables.

* @ 3000K Ra80   ** Measured, half value angle (/code)   *** with recommended driver
# Only use shielded DMX cable. ChromaWhite2.0 light engine controllers require low voltage PSU.

Relocated And Rejuvenated Innovative Library

PhotonStar LED luminaires were installed in Southsea library to improve the light quality of the working and learning environment. The PhotonStar solution provides high light quality and outputs to improve visibility, whilst offering the appropriate lux levels. The energy and maintenance costs are reduced by 80% compared to Halogens despite the 16 hour/day usage and the payback is rapid at just 24 months. In addition, the LED fittings are modern in appearance, suiting the contemporary interior of the library.

PhotonStarTM products used: CeilingStar TTs, Lorem Micro Adjustable, TrackSpot Aero
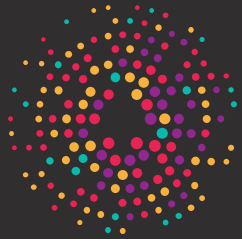
Product benefits:
- ✓ Vibrant communal area
- ✓ Modern and fashionable appearance
- ✓ Energy and maintenance costs reduced by 80%
- ✓ 24 months payback compared to halogen
- ✓ Relaxing warm light
- ✓ High light quality and output
- ✓ Suitable for 16 hours a day usage

"The advancement in LED technology has had a big jump in recent years, (lumen output comparable to 50W dichroic) and that LED's added low maintenance compared to dichroic (longevity in a public building was also crucial)."

- RHB Partnership LLP.

SEREN

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Contact Us

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