

Series Spec Sheet

STELLAR

SMALL APERTURE 2" DOWNLIGHT

5 CCT Selectable and Single CCT warm-dim

The STELLAR 2" LED downlight combines a sleek, versatile design with effortless installation. Its compact aperture enhances the ambiance of any space, while offering a warm-dim feature with color temperature options ranging from 3 000 to 2 200 K, or selectable temperatures of 2 700/3 000/3 500/4 000/5 000 K. With customizable beam angles and an optional interchangeable black trim (sold separately), you have the creative freedom to illuminate your space exactly as you envision!

FEATURES AND SPECIFICATIONS

• Construction

Physical Characteristics

- Available in 2" round
- White aluminum finish
- Interchangeable Black trim (sold separately)
- 38° beam angle and additional 24° lens included
- Clear polycarbonate lens
- CCT selectable switch is placed on the back of LED module
- FT6 cable rating

Mounting

- LED module with LED driver easily installs with included quick connect wire
- Torsion spring mounting clips

• Performance Data

- Available in 3 000-2 200 warm-dim or 2 700/3 000/3 500/4 000/5 000 K selectable color temperature
- 90+ CRI for true color accuracy
- Electrical ratings: 120 V
- Estimated life of over 50 000 hours to L70
- Phase cut (ELV / Triac) dimming standard
- Operating temperature: -30 °C to 45 °C (-22 °F to 113 °F)

• Compliances

- cETLus listed for wet locations
- Energy Star
- Meets requirements of ICES-005 issue 5 class B for use in residential applications
- IC rated for direct contact with insulation
- Airtight as per ASTM E283 standard



OVERVIEW

Light source	LED
Watts (W)	12
Lumen output (lm)	840 - 975
Efficacy (lm/W)	70 - 81
Color temperature (K)	2 700/3 000/3 500/4 000/5 000 3 000 - 2 200
CRI	90+

QUICK SHIP AND TECHNICAL SPECIFICATION TABLE 🕒

Order code	Model number	Watts (W)	Volts (VAC)	Color temp. (K) ¹	Lumen output (lm) ²	Efficiency (lm/W)	CRI	Life L70 (hrs) ³	Beam Angle (°)	Shape	Finish	Cable rating	Power factor	THD (%)	Master case qty
2"															
70178	DLSL2R-12A-5CWH	12	120	2 700/3 000/3 500/4 000/5 000	1 000	83	90+	50 000	38 (24)	Round	White	FT6	>0.9	<20	24
70180	DLSL2R-12A-30-22KWH	12	120	3 000 - 2 200	850	71	90+	50 000	38 (24)	Round	White	FT6	>0.9	<20	24

¹ Typical color temperature range: +/- 5 %.

² Lumen values are derived from Energy Star reported data. Initial lumens range: +/- 10 %.

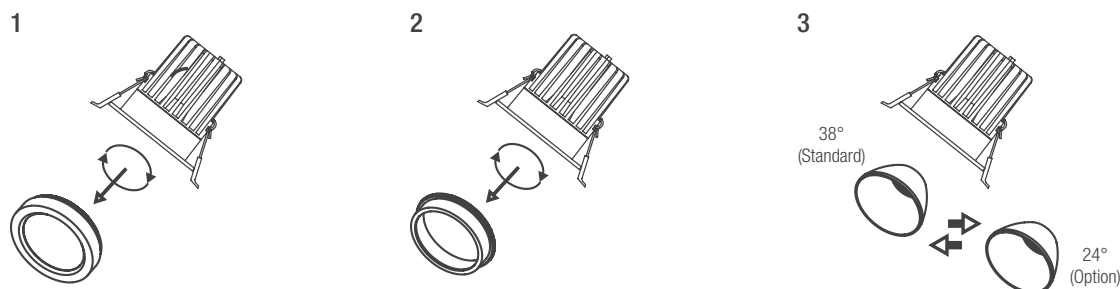
³ Life hours are derived from IESNA LM-80 testing report and projected per IESNA TM-21 extrapolations.

LUMEN SPECIFICATION TABLE

Order code	Model number	Watts (W)	2 700 K		3 000 K		3 500 K		4 000 K		5 000 K	
			Lumen output (lm)	Efficacy (lm/W)	Lumen output (lm)	Efficacy (lm/W)	Lumen output (lm)	Efficacy (lm/W)	Lumen output (lm)	Efficacy (lm/W)	Lumen output (lm)	Efficacy (lm/W)
70178	DLSL2R-12A-5CWH	12	840	70	894	74	938	78	975	81	974	81
70180	DLSL2R-12A-30-22KWH	12			894	74						

DEFAULT PROGRAMMING

70178: 2 700K

INCLUDED IN THE BOX
Interchangeable Beams

ACCESSORIES (order separately)

Order code	Model Number	Type	Finish	Compatible with		Case qty (master)
70221	DLSL2R-TRIMBK	Trim	Black	70178	DLSL2R-12A-5CWH	24
				70180	DLSL2R-12A-30-22KWH	24

COMPATIBLE DIMMERS¹

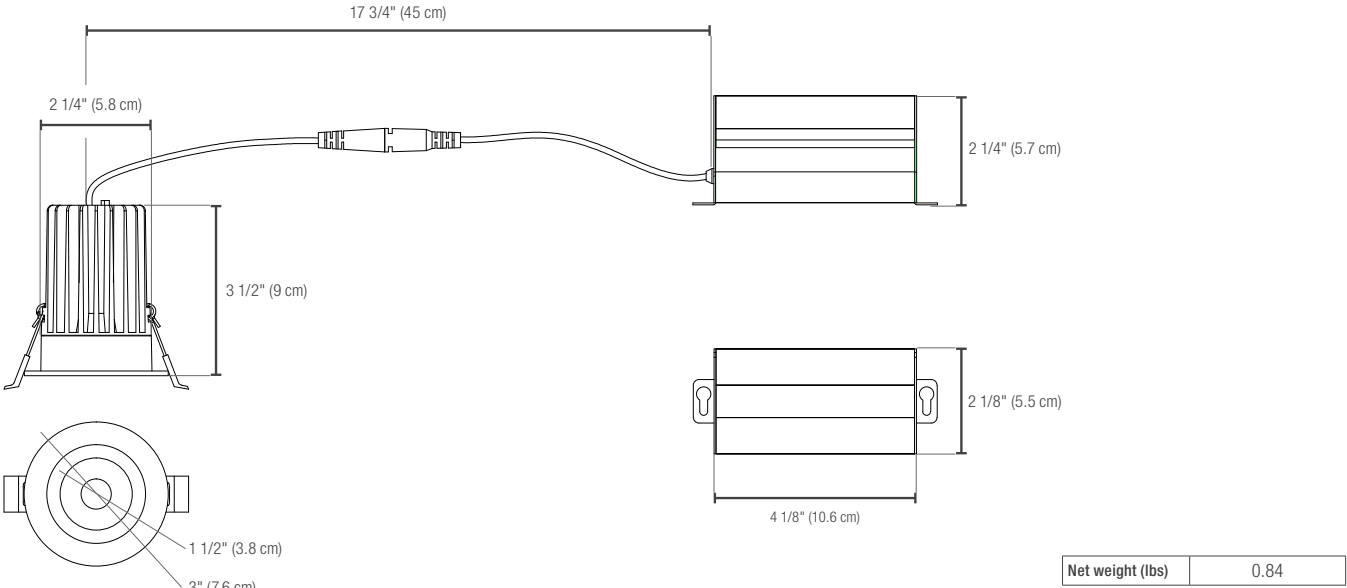
Brand	Model	
	70178	70180
Legrand	RH730PTUTC	RH730PTUTC
Cooper	AAL06, DAL06P, SAL06P3	AAL06, DAL06P, SAL06P3
Leviton	6674, DDMX1, DSL06-1LZ, DSM10-1LZ, IPE04-1LZ, IPL06	6674, DDMX1, DSL06-1LZ, DSM10-1LZ, IPE04-1LZ, IPL06
Lutron	AYCL-253P, DVCL-153P, DVCL-253P, DVELV-300P, HCL453P, MACL-153P, PD-6WCL, SELV-300P	AYCL-253P, CTCL-153P, DVCL-153P, DVCL-253P, DVELV-300P, HCL453P, MACL-153P, PD-6WCL, SELV-300P

Dimming range 10%-100%

¹ This table shows dimmers that have been tested and have demonstrated proper operation under normal conditions. Each installation being unique, various factors such as load, common neutrals or other electrical products on the circuit can, in certain instances, cause variance in system performance. Read and comply to the dimmer installation instructions. Consult dimming system manufacturer for additional support in operation. Some dimmers may require more than one product for stable operation. Stanpro recommends to use dimmers designed to work with LED products. Older dimmers designed for incandescent products may cause erratic operation.

Data is based upon tests performed in a controlled environment. Actual performance can vary depending on operating conditions.
All products are subject to change or may be discontinued any time without notice.

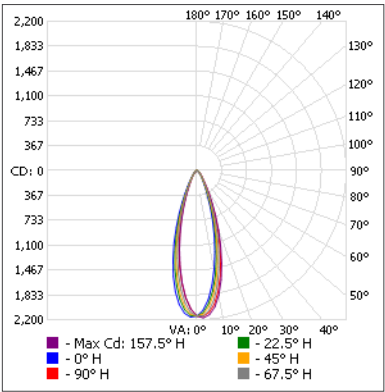
DIMENSIONS AND WEIGHTS



PHOTOMETRIC DATA¹

70178 • DLSL2R-12A-5CWH • 3 000 K • 38° • 893.7 lm

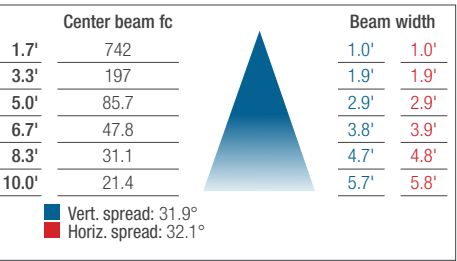
Polar candela distribution



Zonal lumen summary

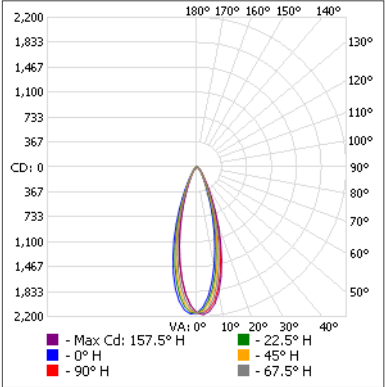
Zone	Lumens	% Fixture
0-30	696.6	78
0-40	790.8	88.5
0-60	872.4	97.6
60-90	21.3	2.4
0-90	893.7	100

Illuminance at a distance



70180 • DLSL2R-12A-30-22KWH • 3 000 K • 38° • 893.7 lm

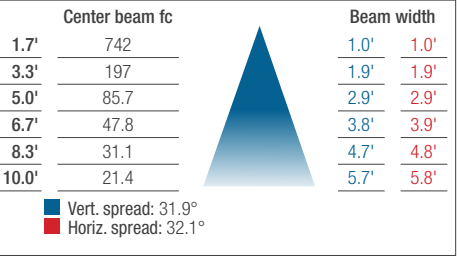
Polar candela distribution



Zonal lumen summary

Zone	Lumens	% Fixture
0-30	696.6	78
0-40	790.8	88.5
0-60	872.4	97.6
60-90	21.3	2.4
0-90	893.7	100

Illuminance at a distance



¹ Complete IES files available on our website.

Data is based upon tests performed in a controlled environment. Actual performance can vary depending on operating conditions. All products are subject to change or may be discontinued any time without notice.