

SOLAIR MOD/1

Recessed Round/Square Downlight



Applications: Offices, retail, education, healthcare, corridors, lobbies, hotels, residential, car dealerships, restaurants and convenience stores

PERFORMANCE SUMMARY

Offering innovation in downlighting, the Solair Mod/1 Series is a fully interchangeable system of modules and trims that provide endless versatility in commercial and residential applications.

An integral junction box eliminates the need for traditional recessed housings and mounts directly into the ceiling enabling easy below plenum installation for new construction or retrofit projects

Construction

- Twist-lock modular design for endless configurations of light engines and trims
- New construction frame available in 4-8"
- Snaps into place for easy installation
- Semi specular aluminum reflector with white trim
- IC rated design suitable for direct contact with insulation, eliminating the need for housing and recessed cans
- Robust high tension ceiling clips for under plenum installation in ceiling thicknesses of up to 1-5/8"
- Suitable for damp locations

Optical

- CCT options include 3000K, 3500K, 4000K, or multi selectable
- Deep embedded frosted lens at 50° cutoff conceals light source from direct view
- Wide beam or asymmetric wall wash distributions available in 4-8" square or round trims
- LEDs are binned to a 3-step SDCM; 80 CRI minimum

Electrical

- 0-10V isolated class 2 flicker free dimming drivers mounted to junction box with additional low voltage wires
- Integrated junction enabling direct wire installation
- Includes driver switch for on site lumen adjustment
- Dimmable with most Lutron and Leviton 0-10V dimmers
- Remote emergency battery backup option

PRODUCT CODE

Example Solair Mod/1 cat. 11L.40K.R.6.F/PS.W.0

Model No	Lumen Packages	CCT (°K)	Trim	Diameter	Accessories	Finish	Emergency
Solair Mod/1	07L - 750Lm	30K - 3,000K	R - Round	4 - 4"	F1 - New Construction Frame-in Kit PS - Power Selectable 0 - None	W - White Flange Semi Specular Reflector	EM - 8W/90min Emergency Backup 0 - None
	11L - 1,125Lm	35K - 3,500K		6 - 6"			
	15L - 1,500Lm	40K - 4,000K		8 - 8"			
	21L - 2,160Lm	C1 - Selectable 30/35/4000K	10 - 10"				
	27L - 2,720Lm		RW - Round Wash	4 - 4"			
32L - 3,200Lm		6 - 6"					

NOTES

¹Frame in kit available for 4, 6, 8" round trims

S - Square
SW - Square Wash



Specification

Lumen Package	750 - 3,200
Wattage Range	10 - 40
Efficacy	75 - 80
Weight lbs (kg)	5.7 (2.6) - 7.0 (3.2)

Trim



R
Round



RW
Round Wash



S
Square



SW
Square Wash



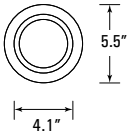
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DIMENSIONS

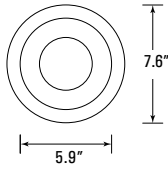
4" Round Trim

Mounting Diameter 4.7-5.2"



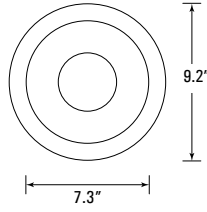
6" Round Trim

Mounting Diameter 6-7.3"



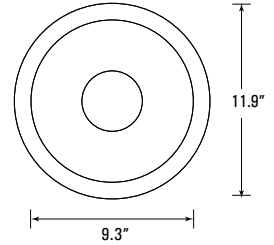
8" Round Trim

Mounting Diameter 7.4-8.9"



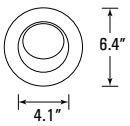
10" Round Trim

Mounting Diameter 9.5-10.8"



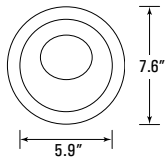
4" Round Wash Trim

Mounting Diameter 4.7-5.2"
Tilt 15-20°



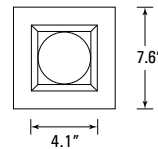
6" Round Wash Trim

Mounting Diameter 6-7.3"
Tilt 15-20°



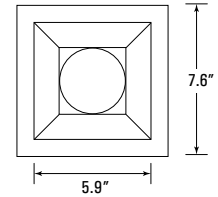
4" Square Trim

Mounting Diameter 5.3-6"



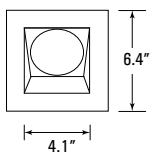
6" Square Trim

Mounting Diameter 6-7.3"



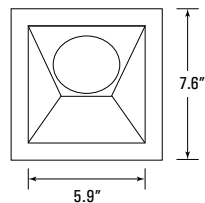
4" Square Wash Trim

Mounting Diameter 5.3-6"
Tilt 15-20°

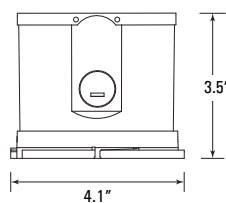


6" Square Wash Trim

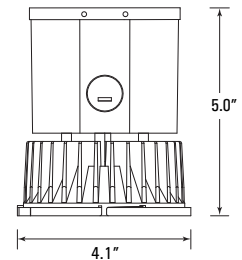
Mounting Diameter 6-7.3"
Tilt 15-20°



07L, 11L, 15L Engine



21L, 27L, 32L Engine



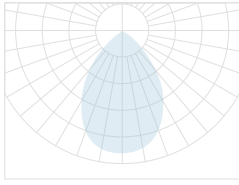
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PHOTOMETRICS

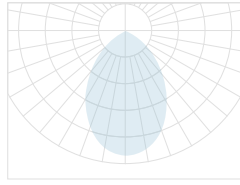
4" (40W) Round

Average Beam Angle (50%): 73.6°



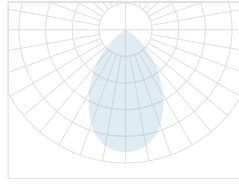
6" (40W) Round

Average Beam Angle (50%): 57.4°



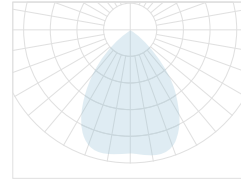
8" (40W) Round

Average Beam Angle (50%): 69.3°



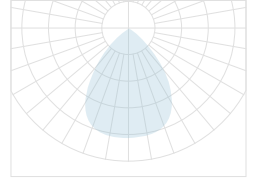
10" (40W) Round

Average Beam Angle (50%): 79.7°



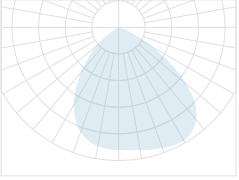
4" (40W) Square

Average Beam Angle (50%): 78.4°



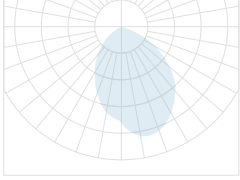
4" (40W) Round Wash

Average Beam Angle (50%): 88.1°



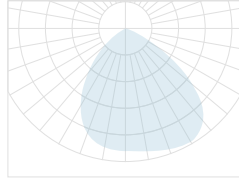
6" (40W) Round Wash

Average Beam Angle (50%): 71.0°



4" (20W) Square Wash

Average Beam Angle (50%): 80.5°



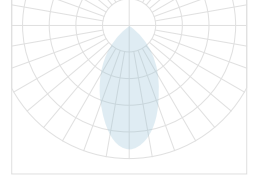
6" (20W) Square Wash

Average Beam Angle (50%): 71.0°



6" (40W) Square

Average Beam Angle (50%): 75.5°



PERFORMANCE

Nominal Lumens	07LM	11LM	15LM	21LM	27LM	32LM
Delivered Lumens	750	1,125	1,500	2,160	2,720	3,200
Wattage	10	15	20	27	34	40
Lumens per Watt	75	75	75	80	80	80

¹Initial delivered lumens at 25°C (77°F) based on 3000K, round trim. Actual production yield may vary between -10 and +10% of initial delivered

MOUNTING PLATE

