TECHLIGHT
INNOVATION IN ILLUMINATION

LRSS SERIES

LED Recessed Soffit Light

Catalog Number	
Project	Type

SERIES	HOUSING HEIGHT	LENGTH & WIDTH
LRSS	6.38”	20.18” x 20.18”

FEATURES & SPECIFICATIONS

APPLICATION — The high performance luminaire is designed for recessed applications where long life, low maintenance, and consistent color rendering is required. Areas with limited accessibility due to fixture location or where heavy pedestrian traffic makes maintenance difficult are ideal applications such as retail canopies.

CONSTRUCTION — The heavy duty housing is constructed of extruded aluminum. The optical assemblies are sealed in place using a silicone gasket for weather tight protection and prevent dust, debris or insects from infiltrating the LED module. Spring locks securely hold the LED brick in place. ETL listed for damp locations. LED Module IP65 rated.

FINISH — A Super Durable Polyester powder coat finish is electrostatically applied in our state of the art paint facility. Standard colors available: White. Custom colors available upon request.

OPTICAL SYSTEM — Made with a state of the art UV stabilized acrylic high performance refractive optical assemblies that use high transmissivity materials to achieve precise photometric distributions. Available in Type V Medium beam configuration. The recessed optics eliminate glare.

ELECTRICAL SYSTEM — Available in 5000K-70 CRI Cool White (+/- 500K) or 4100K-70 CRI Neutral White color temperatures propagated with Philips Lumileds Luxeon MX LED’s. Consult factory for high CRI (90+) model availability. Available with 100-300V 50/60 Hz 90°C rated power supply. LED’s rated for over 50,000 hours at 25°C ambient temperature. 347V~480V input option available. 0-10V dimming. 10 kV surge protection provided. Built-in Active PFC Function >95%/Full load. LED Power Supply conforms to UL8750 standards and is IP67 rated for wet locations.

MOUNTING — The fixture is recess mounted using the fascia plate provided for rough-in. Door/LED assembly utilizes quick release hinges to allow the fascia plate to be mounted first. Door/LED assembly may then be attached to the fascia plate and wiring connections made. Two (2) quarter-turn latches

holds the assembly firmly in place. Available for New Construction or Retrofit applications.

LISTINGS — ETL listed for damp locations. Meets US and Canadian safety standards. -40°C to 40°C ambient operation. RoHS Compliant.

ORDERING INFORMATION

Choose the bold face options for the appropriate luminaire configuration for your application and enter on the line above each fixture attribute. Accessories may be factory installed, depending on the particular accessory chosen, but still be ordered as a separate line item.

EXAMPLE:
LRSS 1 C Y T5M J 1 RSM NC

LRSS								
SERIES	# OF BRICKS	COLOR TEMP	# LED’S PER BRICK	OPTICS	DRIVE CURRENT	VOLTAGE	MOUNTING	INSTALLATIONS
	1 = 1 Brick	**C** = Cool White (5000K) **N** = Neutral White (4000K) **W** = Warm White (3000K)	**Y** = 45 Seoul Y22 LEDs	**T5M** = Type V Medium **T5W** = Type V Wide	**J** = 1200 mA	**1** = Multi-Volt[1] **2** = 347 - 480V	**RSM** = Recessed Soffit Mount **FM** = Flush Mount	**NC** = New Constructions **RETRO[2]** = Retrofit

NOTES

1 = Multi-Volt is an auto ranging power supply from 100V to 300V input.

2 = LED Modules are provided with quick connects that allow them to be easily changed out at the jobsite.

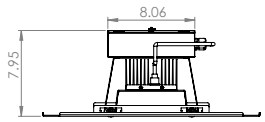
Buy American Act & the American Recovery and Reinvestment Act

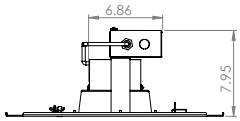
www.techlight.com

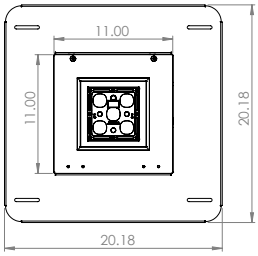
LRSS LED Recessed Soffit Light

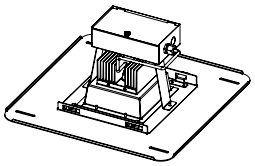
DIMENSIONS

New Construction Model (NC)

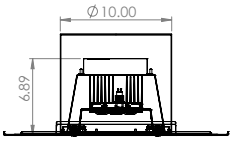


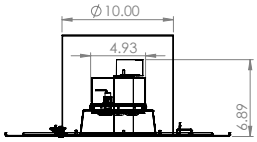


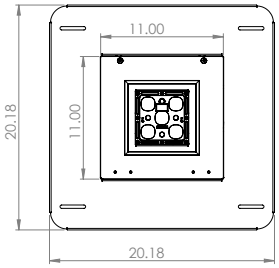




Retrofit Model (RETRO)





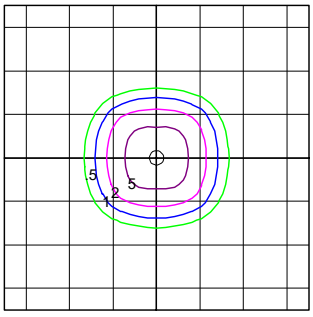


LUMINAIRE CHARACTERISTICS

Drive Current	Color Temp	Delivered Lumens TYPE 5M	System Wattage	L80 @ 25°C	Amperage Draw 120V	208V	240V	277V	347V	480V
1200 mA	CW	7312	55.44W	> 54K	0.46 A	0.27 A	0.23 A	0.20 A	0.16 A	0.12 A
1200 mA	NW	7312	55.44W	> 54K	0.46 A	0.27 A	0.23 A	0.20 A	0.16 A	0.12 A
1200 mA	WW	6859	55.44W	> 54K	0.46 A	0.27 A	0.23 A	0.20 A	0.16 A	0.12 A

Drive Current	Color Temp	Delivered Lumens TYPE 5W	System Wattage	L80 @ 25°C	Amperage Draw 120V	208V	240V	277V	347V	480V
1200 mA	CW	7298	55.44W	> 54K	0.46 A	0.27 A	0.23 A	0.20 A	0.16 A	0.12 A
1200 mA	NW	7298	55.44W	> 54K	0.46 A	0.27 A	0.23 A	0.20 A	0.16 A	0.12 A
1200 mA	WW	6846	55.44W	> 54K	0.46 A	0.27 A	0.23 A	0.20 A	0.16 A	0.12 A

PHOTOMETRICS

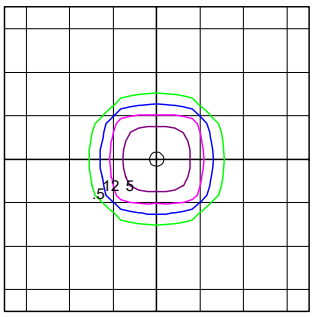


IES INDOOR REPORT
PHOTOMETRIC FILE NAME:
LRSS 1 N Y T5M J 1 RSM

1200 mA, Neutral White, T5M Lens

55W LRSS Soffit
Color Temperature: 4,000 K
Horizontal Footcandles
Scale: 1 Inch = 15 Ft.
Light Loss Factor = 1.00
Lumens Per Lamp = N.A. (absolute photometry)
Luminaire Lumens = 7312
Mounting Height = 15.00 Ft
Maximum Calculated Value = 7.39 Fc
Arrangement: Single

LRSS 1 N Y T5M J(1200mA) 1 RSM Recessed Soffit Light
45 Seoul Y22 LEDs



IES INDOOR REPORT
PHOTOMETRIC FILE NAME:
LRSS 1 N Y T5W J 1 RSM

1200 mA, Neutral White, T5M Lens

55W LRSS Soffit
Color Temperature: 4,000 K
Horizontal Footcandles
Scale: 1 Inch = 15 Ft.
Light Loss Factor = 1.00
Lumens Per Lamp = N.A. (absolute photometry)
Luminaire Lumens = 7298
Mounting Height = 15.00 Ft
Maximum Calculated Value = 7.90 Fc
Arrangement: Single

LRSS 1 N Y T5W J(1200mA) 1 RSM Recessed Soffit Light
45 Seoul Y22 LEDs

WARNING: Maintenance performed including the replacement of LED bricks while power is still supplied to the lumenaire may result in system failures and will void the warranty.

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All dimensions and specifications are subject to change without notice.