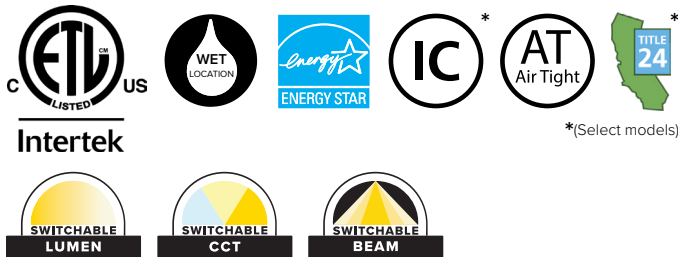


## FEATURES

- 4", 6" and 8" apertures
- Spun aluminum anodized or white trim, 55° cutoff
- Switchable Lumen, CCT, and Adjustable Beam Angle
- New construction housing accessories available
- Universal voltage with 0–10V Dim to Off
- Dim To Warm capability on select configurations



## SERVICE PROGRAMS

**STOCK**

## SPECIFICATIONS

### CONSTRUCTION

- Canless New Construction or Remodel, Non-IC. Select IC models available
- Integral wiring compartment (standard) can eliminate the need for an additional J-Box
- Retention tether provided to secure to building structure if needed
- Fixture modules can be used with interchangeable trims in 3 apertures

### OPTICS

- High quality spun aluminum reflector with 55° source cutoff provides balance of optical performance and visual comfort
- Diffuse anodized cone with white or matching flange or white cone and flange trims available
- Optical assembly standard with dial-in beam angle from 55°–75° with indicators
- Optimized for general illumination applications with up to 1.0 spacing criterion typical
- Polycarbonate lensed optic, suitable for wet location, covered ceiling applications

### ELECTRICAL

- 90 CRI LED array with 3 SDCM color consistency
- Maintains 70% of lumen output at >54,000 hours of operation (L70 at >54,000hr TM-21)
- Switchable Lumen settings::  
SL (700/1050 lm);  
ML (1900/2300/2700 lm);  
HL (4000/4500/5500 lm)

### ELECTRICAL (CONTINUED)

- Integrated Dim to Warm functionality can be enabled after installation (default setting is OFF)
- Integral universal voltage (120–277V) driver, 50/60Hz 0–10V Dim to Off
- Meets Class A (<24dba) noise rating
- FCC CFR 47 Part 15 Class B
- ≥ 0.9 Power Factor, <20% THD
- Optional 7W 90-minute Emergency Battery Backup with remote test switch
- 120–347V driver available. See ordering guide for compatible options
- For more details and recommended dimmer list, see Dimming Compatibility Information on [currentlighting.com/prescolite](http://currentlighting.com/prescolite)

### INSTALLATION

- Robust trim mounting springs hold fixture firmly against ceiling surface
- Accommodates ceiling thicknesses up to 2"
- Fixture installs below the ceiling without a housing
- Optional new construction mounting pans with bar hangers available
- Switchable CCT: Field select one of five CCTs at installation with an integral switch on back of fixture module. (SL and ML only)
- Switchable Lumen: Field select one lumen output at installation with an integral switch on back of fixture module
- Optional Switch Lock Accessory kit available to field preset lumen output.

### INSTALLATION (CONTINUED)

- Switchable Beam: Field adjust beam angle using optical dial and indicator on module
- To enable or disable Dim To Warm Function, cycle power on and off 3 times in a 10 second period at the wall switch after final installation. See installation instructions for complete details.

### CERTIFICATIONS

- cETLus listed to UL1598
- SL modules can be used in direct contact with insulation (IC)
- Certified Air Tight per ASTM E283
- Suitable for wet locations, covered ceilings
- EMR: Certified under UL 924 standard for emergency lighting and power equipment
- Emergency battery pack is California Energy Commission (CEC) Title 20 Compliant
- ENERGY STAR® Certified
- SL modules meet CA Title 24 High Efficacy (JA8) requirements

### WARRANTY

- 5 year warranty

KEY DATA	
Lumen Range	785–5876
Wattage Range	9.3–56.9
Efficacy Range (LPW)	82–103
Lumen Maintenance	L70 >54,000
Input Current (mA)	78–474

Based on Diffuse Anodized 3000K, 90 CRI

DATE:

LOCATION:

TYPE:

PROJECT:

CATALOG #:

ORDERING GUIDE



Example: LBRP-M-LSSLCS9-WD / LBRP-4RD-T-D

CATALOG #

FIXTURE MODULE

LBRP-M-LS						WD
Model/Type	Lumen Output	CCT/CRI	Voltage	Options		Distribution
LBRP-M-LS	SL 700/ <b>1050</b> lumens ML 1900/ <b>2300</b> /2700 lumens HL 4000/ <b>4500</b> /5500 lumens <sup>1,2</sup>	CS9 Switchable CCT (2700/3000/ <b>3500</b> /4000/5000K), 90 CRI <sup>2</sup> 27K9 2700K, 90 CRI 30K9 3000K, 90 CRI 35K9 3500K, 90 CRI 40K9 4000K, 90 CRI 50K9 5000K, 90 CRI	Standard with 120–277V, 0–10V Dim to Off 34 120–347V, 0–10V Dimming to 5% <sup>3,4</sup>	Standard without EMR capability EMR Emergency Battery Backup Ready <sup>3,4</sup>		WD 55–75° (1.0–1.06 SC)

Switchable Lumen and CCT settings in **BOLD** indicate the default setting.

TRIM (ORDER SEPARATELY)

LBRP		T	
Model	Aperture/Shape/Function	Trim	Reflector Finish/Color
LBRP LiteBox Pro Trim	4RD 4" Round Downlight 6RD 6" Round Downlight 8RD 8" Round Downlight	T Trim	D Diffuse Clear Anodized WC White Cone and Flange DWT Diffuse Clear Anodized with White Flange

Accessories (Order separately)

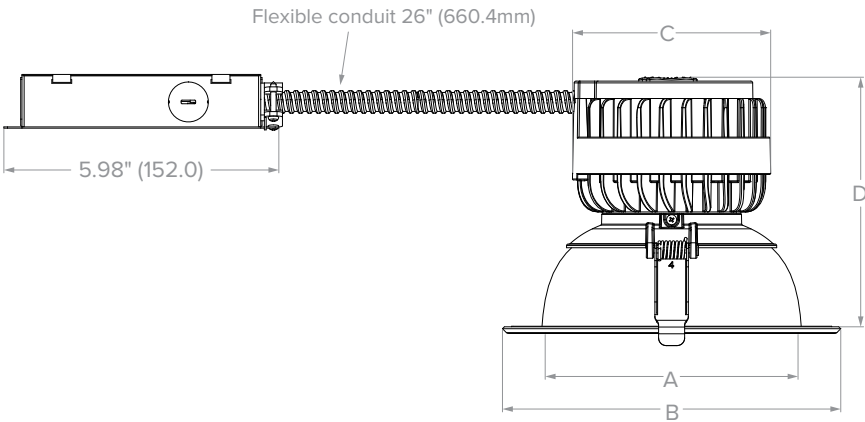
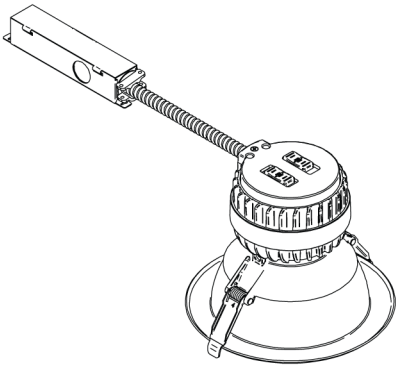
- ☐ FRAME4R-HB 4" Round new construction housing
- ☐ FRAME6R-HB 6" Round new construction housing
- ☐ FRAME8-HB 8" Round & square combination new construction housing <sup>5</sup>
- ☐ J-BOX New construction housing compatible junction box <sup>6</sup>
- ☐ LDEMBBKIT07 7 Watt (CEC T20 compliant) emergency battery, remote test switch <sup>3,4</sup>
- ☐ LBRP-LLOCK 16PK Accessory, Lumen Switch Lock, 16 Pack

- Notes:
- 1 HL Compatible with 6RD or 8RD only.
- 2 CS9 not available with HL.
- 3 347V option dims to 5%, is not compatible with emergency battery kit, and cannot dim to warm.
- 4 EMR Ready module option must be ordered with LDEMBBKIT07.
- 5 Housing comes ready for round trims as shown.
- 6 Junction box is not required but available as needed to meet local electrical codes.

DATE:	LOCATION:
TYPE:	PROJECT:
CATALOG #:	

DIMENSIONS

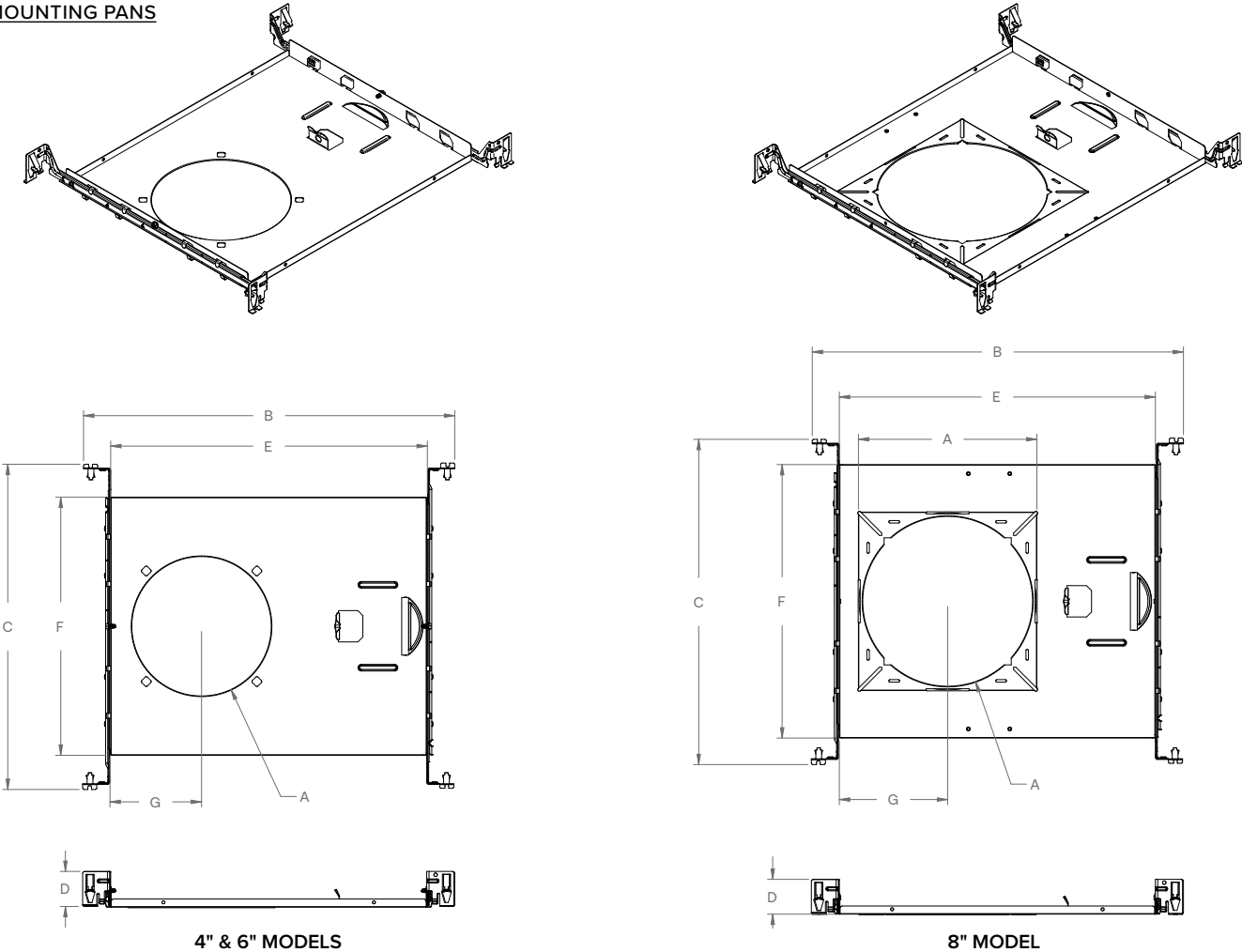
FIXTURE MODULE



Nominal Aperture	Ceiling Cutout Min.-Max.	Module Lumen Package	A Aperture Diameter	B Overall Trim Diameter	C Overall Module Heatsink	D Overall Height (Assembly)
4"	4.72"–5.46" (119.9–138.7mm)	SL-ML	4.15" (105.4mm)	6.00" (152.4mm)	4.35" (110.5mm)	5.35" (135.9mm)
6"	6.30"–7.10" (160.0–180.3mm)	SL-ML	5.65" (143.6mm)	7.36" (187.0mm)	4.35" (110.5mm)	5.54" (140.6mm)
		HL	5.65" (143.6mm)	7.36" (187.0mm)	5.55" (140.9mm)	5.54" (140.6mm)
8"	7.87"–8.74" (199.9–222.0mm)	SL-ML	7.60" (193.0mm)	9.25" (235.0mm)	4.35" (110.5mm)	6.05" (153.7mm)
		HL	7.60" (193.0mm)	9.25" (235.0mm)	5.55" (140.9mm)	6.05" (153.7mm)

DIMENSIONS (CONTINUED)

MOUNTING PANS



For 4" & 6" Models:

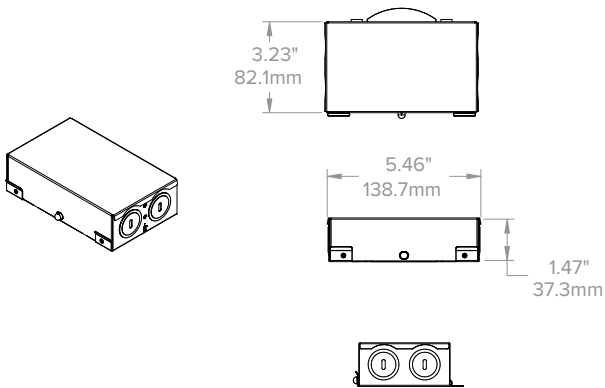
Catalog Number	"A" Aperture Opening	"B" Overall Length	"C" Overall Width	"D" Height	"E" Pan Length	"F" Pan Width	"G" Aperture Center
FRAME4R-HB	Ø 4.94" (125.5mm)	17.65" (448.3mm)	14.57" (370.1mm)	1.68" (42.7mm)	15.03" (381.8mm)	12.28" (311.9mm)	4.32" (109.7mm)
FRAME6R-HB	Ø 6.64" (168.7mm)						

For 8" Model:

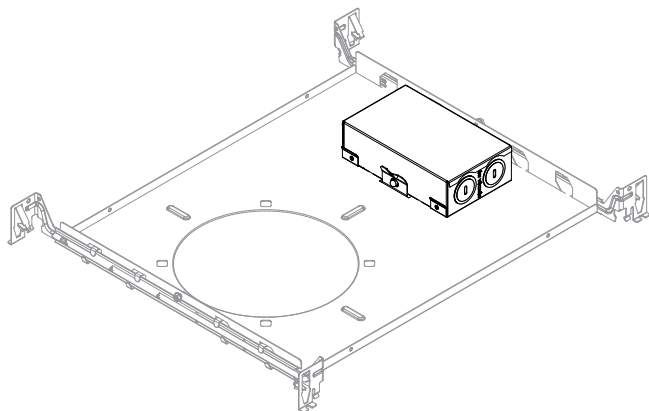
Catalog Number	"A" Aperture Opening	"B" Overall Length	"C" Overall Width	"D" Height	"E" Pan Length	"F" Pan Width	"G" Aperture Center
FRAME8-HB	Ø 8.07" (205mm)	17.65" (448.3mm)	14.57" (370.1mm)	1.68" (42.7mm)	15.03" (381.8mm)	12.99" (329.9mm)	5.14" (130.6mm)

**DIMENSIONS CONTINUED**

**SNAP-IN JUNCTION BOX ACCESSORY**

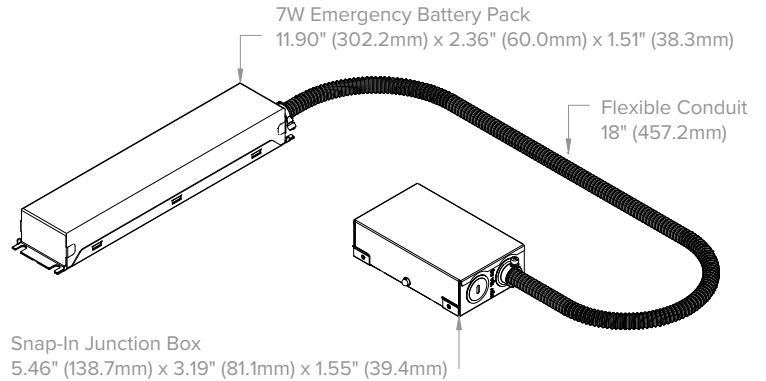


**Snap-In Junction Box Accessory (J-BOX)**  
Optional if needed or required per local code

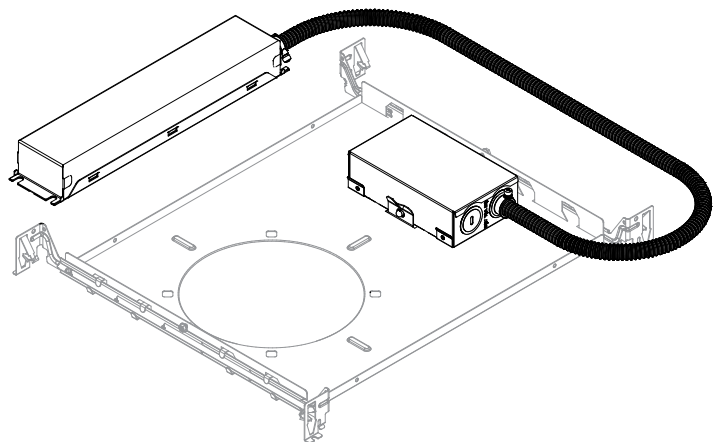


**Frame and Junction Box Example**  
FRAME6R-HB and J-BOX  
(ordered separately)

**EMERGENCY BATTERY BACKUP KIT ACCESSORY**



**Emergency Battery Backup Accessory Kit (LDEMBBKIT07)**



**Emergency Battery Backup and Frame Example**  
FRAME6R-HB and LDEMBBKIT07  
(ordered separately)

PERFORMANCE DATA TABLE

Based on 3000K, 90 CRI, Diffuse reflector finish at "W" Wide (75° nominal) Beam Angle setting

Model	Beam Angle (Sc) Setting		Module	Lumen Setting	Lumen	Watt	Eff (Lm/W)
	"N"	"W"					
4" Round Downlight	58° (0.9)	71° (1.1)	SL	Low	792	9.3 W	85
				Med	1184	13.9 W	85
			ML	Low	1987	23.5 W	85
				Med	2621	31.0 W	85
				High	3060	36.2 W	85
6" Round Downlight	56° (0.8)	74° (1.0)	SL	Low	785	9.3 W	84
				Med	1174	13.9 W	84
			ML	Low	2014	23.5 W	86
				Med	2657	31.0 W	86
				High	3103	36.2 W	86
			HL	Low	3666	35.6 W	103
				Med	4603	44.7 W	103
				High	5860	56.9 W	103
8" Round Downlight	54° (0.8)	66° (0.9)	SL	Low	785	9.3 W	84
				Med	1174	13.9 W	84
			ML	Low	1937	23.5 W	82
				Med	2555	31.0 W	82
				High	2983	36.2 W	82
			HL	Low	3676	35.6 W	103
				Med	4616	44.7 W	103
				High	5876	56.9 W	103

LUMEN MULTIPLIER

Module	2700K	3000K	3500K	4000K	5000K
SL/ML	0.96	1.00	1.04	1.09	1.14
HL	0.94	1.00	1.06	1.04	1.07

Photometrics are published at nominal 3000K, 90 CRI. This table may be used to approximate the lumen values at different Kelvin temperature settings. Power consumption remains the same.

## PHOTOMETRY

### LBRP-M-LSMLCS9-WD / LBRP-4RD-T-D

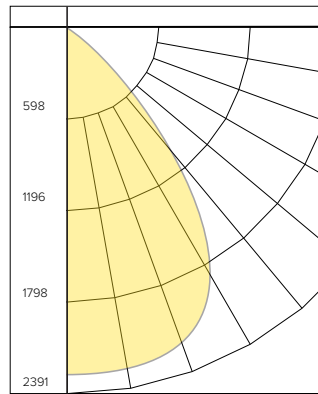
#### LUMINAIRE DATA

Test No.	
Description	4" Round, Diffuse Reflector High Lumen, 3000K, 75° Beam "W"
Delivered Lumens	2813
Watts	35.9W
Efficacy	78 lm/W
Beam Angle	71°
Mounting	Recessed
Spacing Criterion	1.10
UGR	14.2

#### ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
0-40	2523	89.7
0-60	2781	98.9
0-90	2813	100.0
0-180	2813	100.0

#### POLAR GRAPH



#### CANDELA DISTRIBUTION

Degree	Candela
0	2388
5	2370
15	2283
25	1944
35	1236
45	215
55	59
65	22
75	8
85	1

#### LUMINANCE DATA\*

Vertical Angle	Average
45°	35027
55°	11935
65°	6052
75°	3483
85°	1909

\*Candela/Square Meter

### LBRP-M-LSMLCS9-WD / LBRP-6RD-T-D

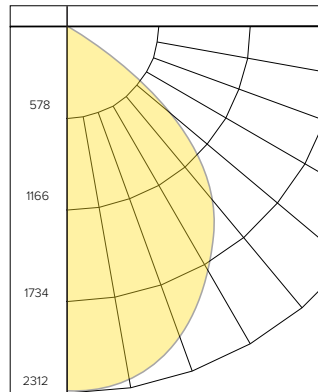
#### LUMINAIRE DATA

Test No.	
Description	6" Round, Diffuse Reflector High Lumen, 3000K, 75° Beam "W"
Delivered Lumens	3008
Watts	35.9W
Efficacy	84 lm/W
Beam Angle	76°
Mounting	Recessed
Spacing Criterion	1.06
UGR	11.8

#### ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
0-40	2402	79.9
0-60	2981	99.7
0-90	3007	100.0
0-180	3007	100.0

#### POLAR GRAPH



#### CANDELA DISTRIBUTION

Degree	Candela
0	2310
5	2271
15	2085
25	1766
35	1343
45	769
55	61
65	17
75	7
85	1

#### LUMINANCE DATA\*

Vertical Angle	Average
45°	35027
55°	11935
65°	6052
75°	3483
85°	1909

\*Candela/Square Meter

### LBRP-M-LSMLCS9-WD / LBRP-8RD-T-D

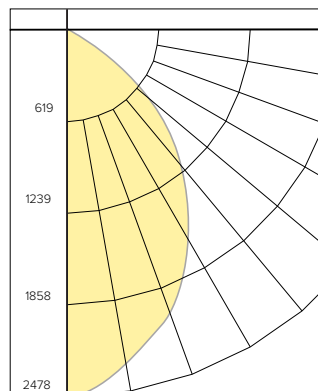
#### LUMINAIRE DATA

Test No.	
Description	8" Round, Diffuse Reflector High Lumen, 3000K, 75° Beam "W"
Delivered Lumens	2945
Watts	35.6W
Efficacy	83 lm/W
Beam Angle	68°
Mounting	Recessed
Spacing Criterion	0.94
UGR	3.8

#### ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
0-40	2307	78.3
0-60	2935	99.6
0-90	2945	100.0
0-180	2945	100.0

#### POLAR GRAPH



#### CANDELA DISTRIBUTION

Degree	Candela
0	2477
5	2400
15	2081
25	1669
35	1204
45	734
55	38
65	6
75	3
85	1
90	0

#### LUMINANCE DATA\*

Vertical Angle	Average
45°	36603
55°	2345
65°	528
75°	368
85°	304

\*Candela/Square Meter