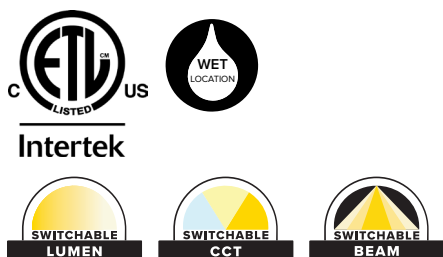


FEATURES

- 4", 6" and 8" apertures
- Aluminum anodized or white reflector with cast flange, 55° cutoff
- Switchable Lumen, CCT, and Adjustable Beam Angle
- New construction housing accessories available
- Universal voltage with 0–10V Dim to Off



SPECIFICATIONS

CONSTRUCTION

- Canless New Construction or Remodel, Non-IC.
- 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 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

- 90CRI 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 (700/1050/1400 lm);
ML (1900/2300/2700 lm);
HL (4000/4500/5500 lm)
- Operating Temperature Range:
-20° C to 25° C (standard models)
0° C to 25° C (-EMR models with LDEMBKIT)

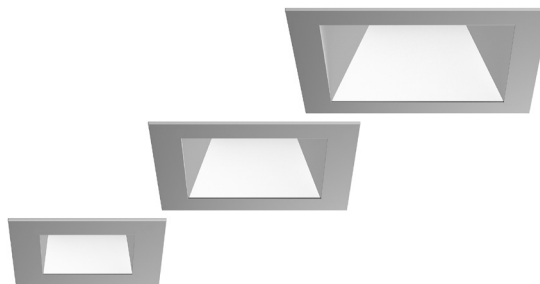
ELECTRICAL (CONTINUED)

- 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 90-minute Emergency Battery Backup kit accessory 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

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
- Switchable Beam: Field adjust beam angle using optical dial and indicator on module

LITEBOX®
pro



SERVICE PROGRAMS

tradeSELECT®

CERTIFICATIONS

- cETLus listed to UL1598
- 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

WARRANTY

- 5 year warranty

KEY DATA	
Lumen Range	746–5777
Wattage Range	9.3–56.9
Efficacy Range (LPW)	77–102
Lumen Maintenance	L70 >54,000
Input Current (mA)	78–474

Based on Diffuse Anodized 3000K, 90 CRI

DATE:

LOCATION:

TYPE:

PROJECT:

CATALOG #:

ORDERING GUIDE

tradeSELECT®

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

CATALOG #

FIXTURE MODULE

LBRP-M-LS						WD
Model/Type	Lumen Output	CCT/CRI	Voltage	Options	Distribution	
LBRP-M-LS	SL 700/ 1050 /1400 lumens	CS9 Switchable CCT (2700/3000/ 3500 /4000/5000K), 90 CRI ²	<i>Standard with 120–277V, 0–10V Dim to Off</i>	<i>Standard without EMR capability</i>	WD 55–75° (1.0–1.06 SC)	
	ML 1900/ 2300 /2700 lumens					
	HL 4000/ 4500 /5500 lumens ^{1,2}	27K9 2700K, 90 CRI	34 120–347V, 0–10V Dimming to 5% ³	EMR Emergency Battery Backup Ready ^{3,4}		
		30K9 3000K, 90 CRI				
		35K9 3500K, 90 CRI				
		40K9 4000K, 90 CRI				
		50K9 5000K, 90 CRI				

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	4SQD 4" Square Downlight	T Trim	D Diffuse Clear Anodized
	6SQD 6" Square Downlight		WC White Cone and Flange
	8SQD 8" Square Downlight		DWT Diffuse Clear Anodized with White Flange

Accessories (Order separately)

- ☐ **FRAME4S-HB** 4" Square new construction housing
- ☐ **FRAME6S-HB** 6" Square new construction housing
- ☐ **FRAME8-HB** 8" Round & square combination new construction housing ⁵
- ☐ **J-BOX** New construction housing compatible junction box ⁶
- ☐ **LDEMBBKIT** Emergency Battery (CEC T20 compliant) Kit,, remote test switch ^{3,4}
- ☐ **LBRP-LLOCK 16PK** Accessory, Lumen Switch Lock, 16 Pack

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

LBRP-SQD

LITEBOX PRO SQUARE DOWNLIGHT

DATE:

LOCATION:

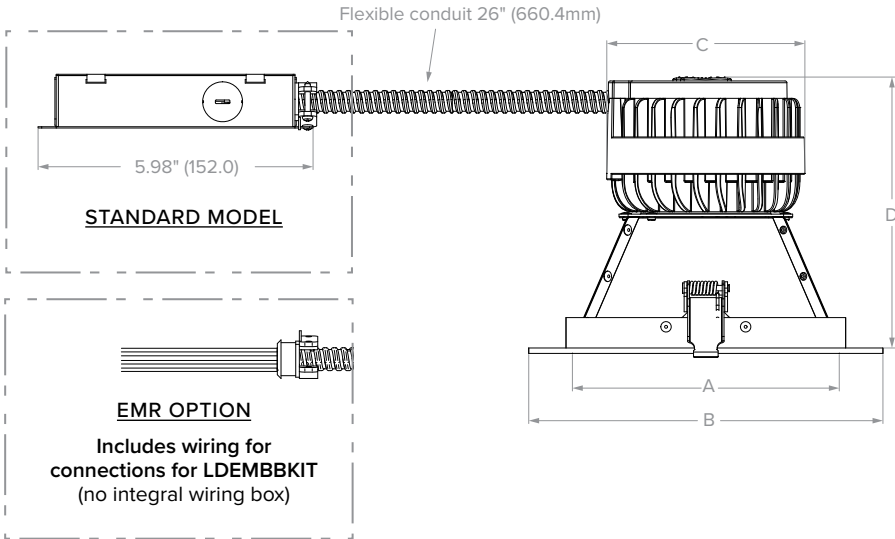
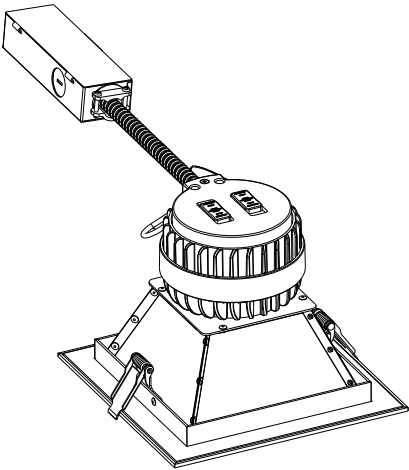
TYPE:

PROJECT:

CATALOG #:

DIMENSIONS

FIXTURE MODULE



Aperture	Ceiling Cutout Min-Max	Nominal Aperture	Ceiling Cutout Min.-Max. (Square)	Module Lumen Package	"A" Aperture Width (Square)	"B" Overall Trim Width (Square)	"C" Overall Module Heatsink	"D" Overall Height (Assembly)
4"	□ 4.5"–5.5" (□ 114.3–139.7 mm)	4"	4.50"–5.00" (114.3–127.0mm)	SL–ML	3.58" (90.9mm)	5.86" (148.9mm)	4.35" (110.5mm)	5.87" (149.2mm)
6"	□ 6.4"–7.0" (□ 162.6–177.8 mm)"	6"	6.40"–7.00" (162.6–177.8mm)	SL–ML	5.43" (137.8mm)	7.71" (195.8mm)	4.35" (110.5mm)	5.91" (150.2mm)
				HL			5.55" (140.9mm)	
8"	□ 8.0"–9.0" (□ 203.2–228.6 mm)	8"	8.00"–9.00" (203.2–228.6mm)	SL–ML	7.09" (180.0mm)	9.37" (238.0mm)	4.35" (110.5mm)	6.70" (170.2mm)
				HL			5.55" (140.9mm)	

DATE:

LOCATION:

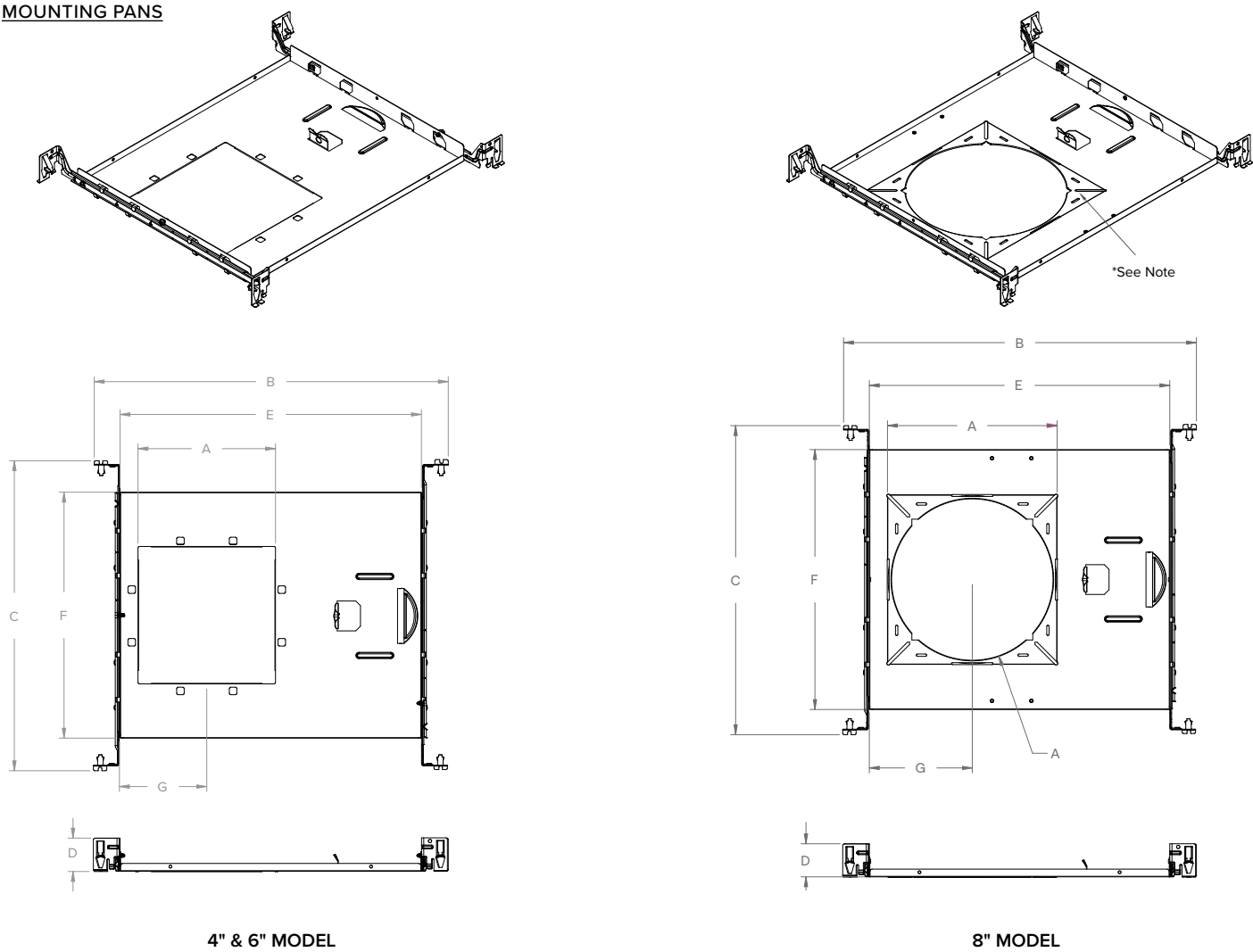
TYPE:

PROJECT:

CATALOG #:

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
FRAME4S-HB	□ 4.83" (122.7mm)	17.65" (448.3mm)	14.57" (370.1mm)	1.68" (42.7mm)	15.03" (381.8mm)	12.28" (311.9mm)	4.32" (109.7mm)
FRAME6S-HB	□ 6.83" (173.5mm)						

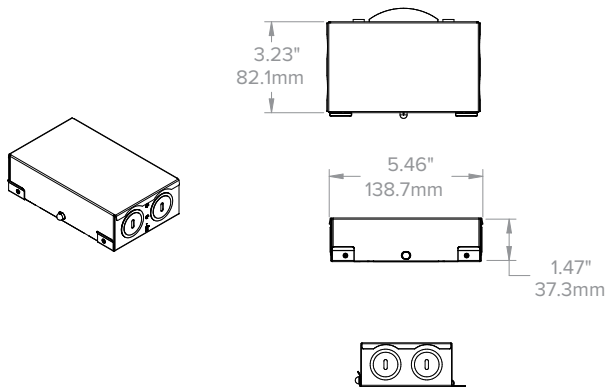
For 8" Model:

Catalog Number	"A" Aperture Opening	"B" Overall Length	"C" Overall Width	"D" Height	"E" Pan Length	"F" Pan Width	"G" Aperture Center
FRAME8-HB	□ 8.46" (214.9mm)	17.65" (448.3mm)	14.57" (370.1mm)	1.68" (42.7mm)	15.03" (381.8mm)	12.99" (329.9mm)	5.14" (130.6mm)

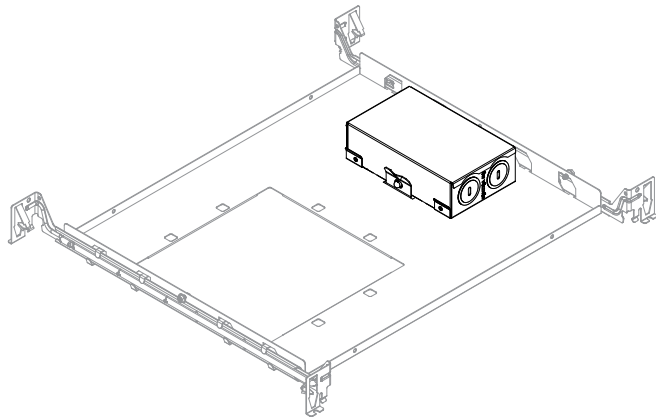
***Note:** The 8" Frame ships ready to accept round aperture trims but can be converted in the field for square aperture by snipping corners and bending at breakaway score lines.

DIMENSIONS CONTINUED

SNAP-IN JUNCTION BOX ACCESSORY

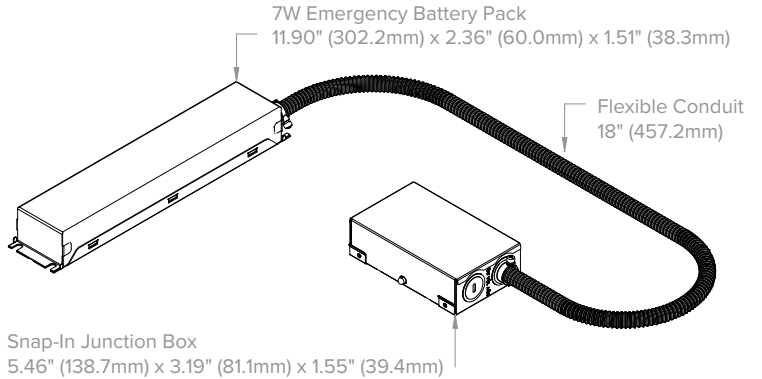


Snap-In Junction Box Accessory (J-BOX)
Optional if needed or required per local code

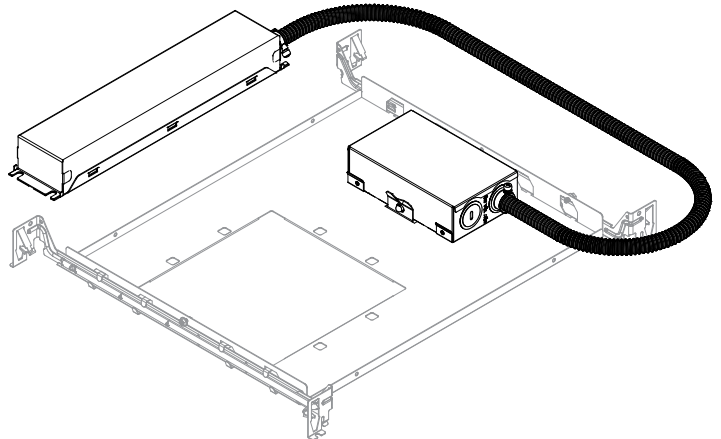


Frame and Junction Box Example
FRAME6S-HB and J-BOX
(ordered separately)

EMERGENCY BATTERY BACKUP KIT ACCESSORY



Emergency Battery Backup Accessory Kit (LDEMBBKIT)



Emergency Battery Backup and Frame Example
FRAME6S-HB and LDEMBBKIT
(ordered separately)

DATE:

LOCATION:

TYPE:

PROJECT:

CATALOG #:

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" Square Downlight	58° (0.9)	62° (1.1)	SL	Low	746	9.3 W	80
				Med	1114	13.9 W	80
				High	1547	19.3 W	80
			ML	Low	1818	23.5 W	77
				Med	2398	31.0 W	77
				High	2800	36.2 W	77
6" Square Downlight	54° (0.8)	70° (1.0)	SL	Low	819	9.3 W	88
				Med	1224	13.9 W	88
				High	1700	19.3 W	88
			ML	Low	1983	23.5 W	84
				Med	2615	31.0 W	84
				High	3054	36.2 W	84
			HL	Low	3599	35.6 W	101
				Med	4518	44.7 W	101
				High	5752	56.9 W	101
8" Square Downlight	55° (0.8)	72° (1.0)	SL	Low	819	9.3 W	88
				Med	1224	13.9 W	88
				High	1700	19.3 W	88
			ML	Low	1992	23.5 W	85
				Med	2628	31.0 W	85
				High	3069	36.2 W	85
			HL	Low	3614	35.6 W	102
				Med	4538	44.7 W	102
				High	5777	56.9 W	102

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-4SQD-T-D

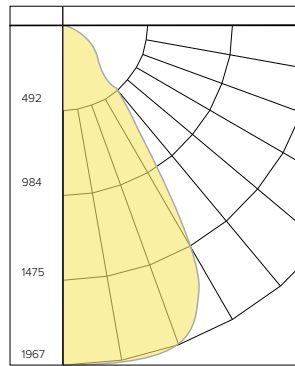
LUMINAIRE DATA

Test No.	
Description	4" Square, Diffuse Reflector High Lumen, 3000K, 75° Beam "W"
Delivered Lumens	2484
Watts	35.7
Beam Angle	62°
Efficacy	71
Mounting	Recessed
Spacing Criterion	1.06
UGR	23.9

ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
0-40	2047	82.4
0-60	2375	95.6
0-90	2484	100
0-180	2484	100

POLAR GRAPH



CANDELA DISTRIBUTION

Degree	Candela
0	1953
5	1936
15	1932
25	1670
35	574
45	275
55	192
65	84
75	30
85	6

LUMINANCE DATA*

Vertical Angle	Average
45°	48001
55°	41338
65°	24599
75°	14362
85°	7831

*Candela/Square Meter

LBRP-M-LSMLCS9-WD / LBRP-6SQD-T-D

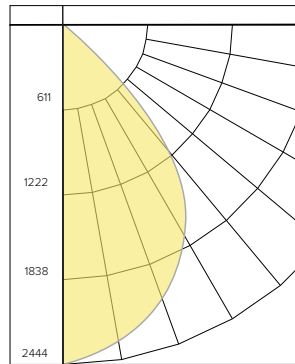
LUMINAIRE DATA

Test No.	
Description	6" Square, Diffuse Reflector High Lumen, 3000K, 75° Beam "W"
Delivered Lumens	2830
Watts	35.5
Beam Angle	70°
Efficacy	80 lm/W
Mounting	Recessed
Spacing Criterion	1.00
UGR	10.5

ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
0-40	2384	84.2
0-60	2804	99.1
0-90	2830	100
0-180	2830	100

POLAR GRAPH



CANDELA DISTRIBUTION

Degree	Candela
0	2444
5	2386
15	2155
25	1778
35	1234
45	209
55	36
65	16
75	6
85	2

LUMINANCE DATA*

Vertical Angle	Average
45°	51496
55°	3241
65°	1806
75°	1230
85°	1020

*Candela/Square Meter

LBRP-M-LSMLCS9 / LBRP-8SQD-T-D

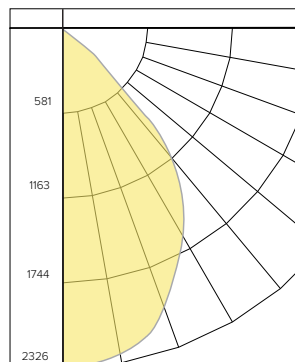
LUMINAIRE DATA

Test No.	
Description	4" Square, Diffuse Reflector High Lumen, 3000K, 75° Beam "W"
Delivered Lumens	2831
Watts	35.5
Beam Angle	72°
Efficacy	80 lm/W
Mounting	Recessed
Spacing Criterion	1.02
UGR	6.4

ZONAL LUMEN SUMMARY

Zone	Lumens	% Luminaire
0-40	2354	83.2
0-60	2813	99.4
0-90	2831	100
0-180	2831	100

POLAR GRAPH



CANDELA DISTRIBUTION

Degree	Candela
0	2325
5	2285
15	2126
25	1703
35	1207
45	220
55	25
65	11
75	4
85	2

LUMINANCE DATA*

Vertical Angle	Average
45°	29888
55°	1335
65°	675
75°	447
85°	418

*Candela/Square Meter