



# 6DS LED 6" Downlight – Square

## FIXTURE PERFORMANCE DATA

### OPEN REFLECTOR TRIM TYPE

LED PACKAGE	DISTRIBUTION	DELIVERED LUMENS	WATTAGE	EFFICACY (lm/W)
L10	W	966	10.6	91.1
	M	789	10.6	74.4
	N	777	10.6	73.3
L15	W	1452	16.0	90.5
	M	1185	16.0	73.9
	N	1167	16.0	72.7
L20	W	1936	22.5	88.0
	M	1580	22.5	70.3
	N	1556	22.5	70.7
L30	W	2823	31.0	91.1
	M	2283	31.0	73.6
	N	2196	31.0	70.8
L40	W	3807	41.7	91.2
	M	3066	41.7	73.4
	N	2855	41.7	68.4
L50	W	4786	52.0	92.0

### FLUSH LENS TRIM TYPE

LED PACKAGE	DISTRIBUTION	DELIVERED LUMENS	WATTAGE	EFFICACY (lm/W)
L10	W	1037	10.6	97.8
	M	1056	10.6	99.6
	N	1031	10.6	97.3
L15	W	1551	16.0	96.7
	M	1589	16.0	99.0
	N	1547	16.0	96.4
L20	W	2068	22.5	92.1
	M	2118	22.5	94.3
	N	2063	22.5	91.8
L30	W	3030	31.0	97.7
	M	3056	31.0	98.6
	N	2916	31.0	94.1
L40	W	4087	41.7	97.9
	M	4104	41.7	98.3
	N	3791	41.7	90.8
L50	W	5137	52.0	98.8

### REGRESSED LENS TRIM TYPE

LED PACKAGE	DISTRIBUTION	DELIVERED LUMENS	WATTAGE	EFFICACY (lm/W)
L10	W	994	10.6	93.8
	M	1026	10.6	96.8
	N	1008	10.6	95.0
L15	W	1494	16.0	93.1
	M	1547	16.0	96.4
	N	1514	16.0	94.4
L20	W	1992	22.5	90.5
	M	2062	22.5	91.8
	N	2019	22.5	91.8
L30	W	2905	31.0	93.7
	M	2971	31.0	95.8
	N	2849	31.0	91.9
L40	W	3917	41.7	93.8
	M	3990	41.7	95.6
	N	3705	41.7	88.7
L50	W	4924	52.0	94.7

### MULTIPLIER TABLES

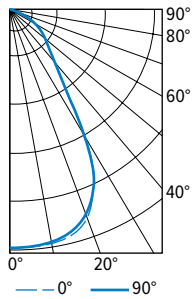
	COLOR TEMPERATURE	
	CCT	CONVERSION FACTOR
80 CRI	2700K	0.95
	3000K	0.96
	3500K	1.00
	4000K	1.01
90 CRI	2700K	0.74
	3000K	0.85
	3500K	0.90
	4000K	0.91

OPEN REFLECTOR FINISH		
CATALOG NUMBER	REFLECTOR FINISH	CONVERSION FACTOR
CS	Clear semi-specular	1.00
SG	Satin-glow	0.92
GD	Gold	0.93
CG	Champagne Gold	0.96
PW	Pewter	0.86
SPC	Specular	1.02
RG	Rose Gold	0.88
WH	White, textured	0.89
BL	Black, textured	0.79

- Photometrics tested in accordance with IESNA LM-79. Results shown are based on 25°C ambient temperature.
- Wattage shown is based on 120V input.
- Results based on 3500K, 80 CRI, actual lumens may vary +/-5%
- Use multiplier table to calculate additional options.

## PHOTOMETRY

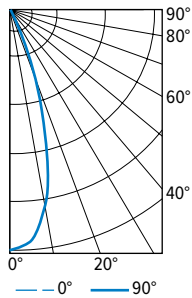
6DS-L20/835-DIM-UNV-LW-OF-WH Report #: 20349; 04/24/18 | Total Luminaire Output: 2068 lumens; 22.5 Watts | Efficacy: 92.1 lm/W | 83.5 CRI; 3456K CCT



VERTICAL ANGLE	HORIZONTAL ANGLE			ZONAL LUMENS
	0°	45°	90°	
0	1403	1403	1403	
5	1407	1400	1402	134
15	1375	1357	1357	386
25	1145	1263	1150	553
35	524	845	526	408
45	318	367	311	261
55	201	206	199	182
65	103	103	100	101
75	40	39	38	41
85	3	2	4	4
90	0	0	0	

LUMEN SUMMARY	ZONE	LUMENS	% FIXTURE
	0 - 30	1072	52
	0 - 40	1480	72
	0 - 60	1922	93
	0 - 90	2068	100
	0 - 180	2068	100

6DS-L20/835-DIM-UNV-LM-OF-WH Report #: 20351; 04/27/18 | Total Luminaire Output: 2118 lumens; 22.5 Watts | Efficacy: 94.3 lm/W | 83.5 CRI; 3456K CCT



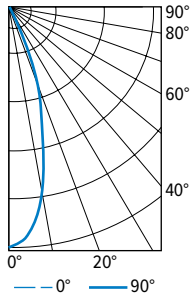
VERTICAL ANGLE	HORIZONTAL ANGLE			ZONAL LUMENS
	0°	45°	90°	
0	5789	5789	5789	
5	5511	5522	5558	528
15	3318	3282	3262	928
25	933	923	798	416
35	211	239	170	134
45	54	77	61	53
55	35	35	33	31
65	21	19	20	20
75	9	7	8	9
85	0	0	0	0
90	0	0	0	

LUMEN SUMMARY	ZONE	LUMENS	% FIXTURE
	0 - 30	1872	88
	0 - 40	2005	95
	0 - 60	2090	99
	0 - 90	2118	100
	0 - 180	2118	100



# 6DS LED 6" Downlight – Square

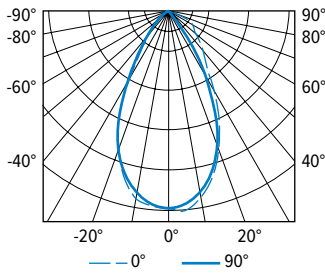
6DS-L20/835-DIM-UNV-LN-OF-WH Report #: 20352; 04/27/18 | Total Luminaire Output: 2063 lumens; 22.5 Watts | Efficacy: 91.8 lm/W | 83.5 CRI; 3456K CCT



VERTICAL ANGLE	HORIZONTAL ANGLE			ZONAL LUMENS
	0°	45°	90°	
0	8177	8177	8177	
5	7298	7406	7293	701
15	3140	3079	2928	853
25	692	698	584	306
35	164	167	128	96
45	60	69	57	49
55	34	36	33	31
65	20	20	18	19
75	7	8	7	9
85	1	0	0	0
90	0	0	0	0

LUMEN SUMMARY	ZONE	LUMENS	% FIXTURE
	0 - 30	1859	90
	0 - 40	1955	95
	0 - 60	2035	99
	0 - 90	2063	100
	0 - 180	2063	100

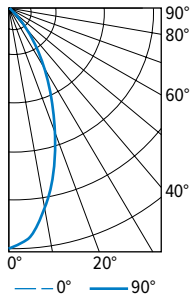
6DS-L20/835-DIM-UNV-OWW-OF-CS Report #: 20347; 04/24/18 | Total Luminaire Output: 1870 lumens; 22.5 Watts | Efficacy: 83.3 lm/W | 83.5 CRI; 3456K CCT



VERTICAL ANGLE	HORIZONTAL ANGLE					ZONAL LUMENS
	0°	45°	90°	135°	180°	
0	1948	1948	1948	1948	1948	
5	1972	1951	1913	1908	1927	184
15	1704	1690	1659	1694	1700	476
25	1202	1218	1137	1214	1078	550
35	686	659	443	593	448	344
45	475	277	144	192	182	178
55	325	76	18	29	32	79
65	262	14	0	0	2	45
75	103	1	0	0	0	14
85	0	0	0	0	0	0
90	0	0	0	0	0	0

LUMEN SUMMARY	ZONE	LUMENS	% FIXTURE
	0 - 30	1210	65
	0 - 40	1554	83
	0 - 60	1811	97
	0 - 90	1870	100
	0 - 180	1870	100

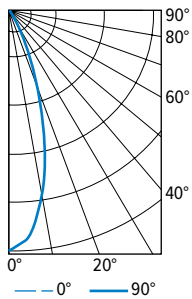
6DS-L20/835-DIM-UNV-OM-OF-CS Report #: 20345; 04/26/18 | Total Luminaire Output: 1580 lumens; 22.5 Watts | Efficacy: 70.3 lm/W | 83.5 CRI; 3456K CCT



VERTICAL ANGLE	HORIZONTAL ANGLE			ZONAL LUMENS
	0°	45°	90°	
0	2427	2427	2427	
5	2319	2317	2327	222
15	1704	1692	1707	482
25	1013	998	1008	466
35	437	514	428	291
45	92	212	92	110
55	6	19	6	10
65	0	0	0	0
75	0	0	0	0
85	0	0	0	0
90	0	0	0	0

LUMEN SUMMARY	ZONE	LUMENS	% FIXTURE
	0 - 30	1170	74
	0 - 40	1460	92
	0 - 60	1580	100
	0 - 90	1580	100
	0 - 180	1580	100

6DS-L20/835-DIM-UNV-RM-OF-WH Report #: 20356; 04/27/18 | Total Luminaire Output: 2062 lumens; 22.5 Watts | Efficacy: 91.8 lm/W | 83.5 CRI; 3456K CCT



VERTICAL ANGLE	HORIZONTAL ANGLE			ZONAL LUMENS
	0°	45°	90°	
0	5249	5249	5249	
5	4976	4955	4996	474
15	3042	3003	2991	854
25	1018	966	899	449
35	278	297	228	171
45	79	93	64	62
55	34	37	32	31
65	17	14	14	15
75	4	5	5	5
85	0	0	0	0
90	0	0	0	0

LUMEN SUMMARY	ZONE	LUMENS	% FIXTURE
	0 - 30	1777	86
	0 - 40	1949	95
	0 - 60	2042	99
	0 - 90	2062	100
	0 - 180	2062	100



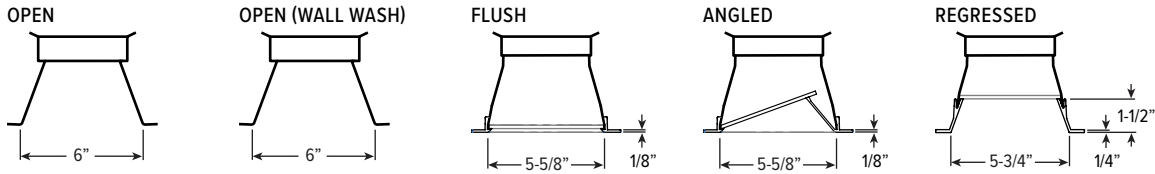
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## ADDITIONAL DRIVER OPTIONS

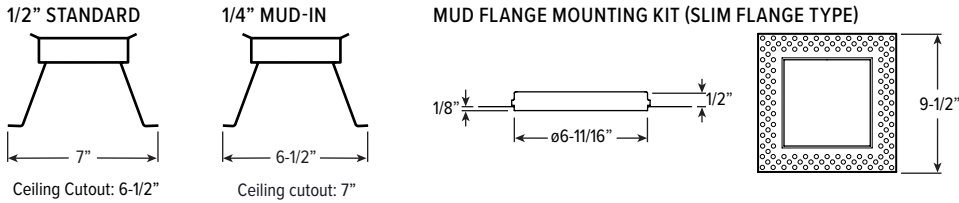
Lumen restrictions apply: L40 max for DMX driver, L40 max for Lutron drivers. 347V may require stepdown transformer, see product builder at [hew.com](http://hew.com).

CATALOG NUMBER	DESCRIPTION
<b>DIM</b>	Dimming driver prewired for 0-10V low voltage applications
<b>DIM1</b>	1% dimming driver prewired for 0-10V low voltage applications
<b>DMX</b>	0.1% dimming driver for DMX controls
<b>LTE LINE</b>	Lutron Hi-Lume® A-Series 1% dimming driver for forward phase line voltage controls (120V only)
<b>LDE1</b>	Lutron EcoSystem® H-Series 1% dimming driver for EcoSystem® controls
<b>LDE5</b>	Lutron EcoSystem® 5-Series 5% dimming driver for EcoSystem® controls
<b>ELDO SOLOB</b>	EldoLED Solodrive, 0.1% dimming driver for 0-10V controls
<b>ELDO SOLOB DALI</b>	EldoLED Solodrive, 0.1% dimming driver for DALI controls
<b>ELDO ECO1</b>	EldoLED Ecodrive, 1% dimming driver for 0-10V controls
<b>ELDO ECO1 DALI</b>	EldoLED Ecodrive, 1% dimming driver for DALI controls

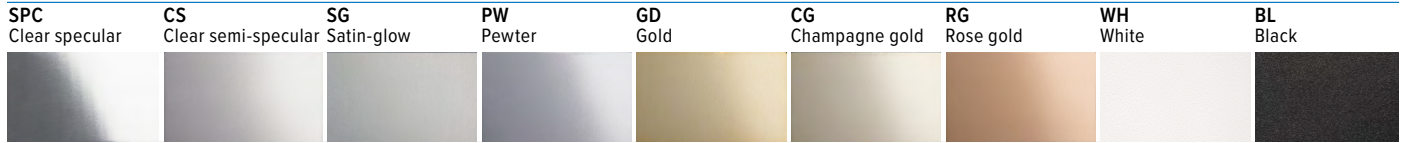
## TRIM TYPE DETAILS



## FLANGE TYPE DETAILS

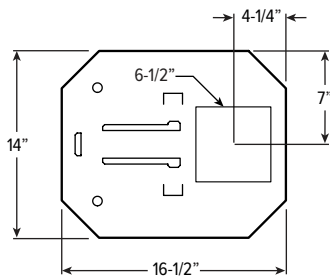


## REFLECTOR FINISH DETAILS

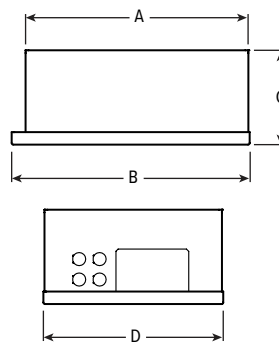


## MOUNTING TYPE DETAILS

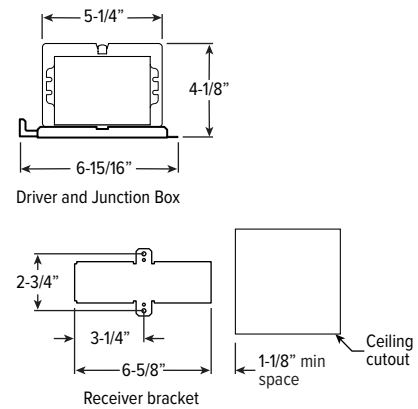
### NEW CONSTRUCTION



### IC-RATED



### REMODEL



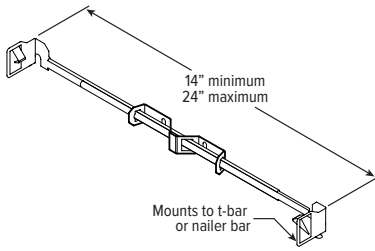
LUMENS	LENGTH			
	A	B	C	D
L10 - L20	15-3/16"	16"	6-3/8"	12-1/8"
L30	16-5/8"	17-1/2"	7-7/8"	14"



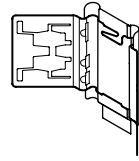
# 6DS LED 6" Downlight – Square

## MOUNTING HARDWARE DETAILS

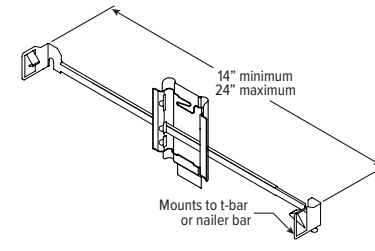
**F1** 2-Position fixed pan bracket, universal bar hanger included



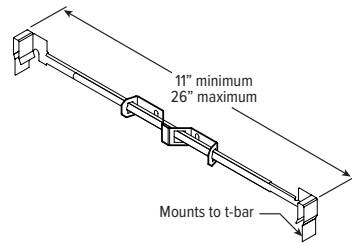
**BA1** Adjustable butterfly pan bracket, bar hanger not included



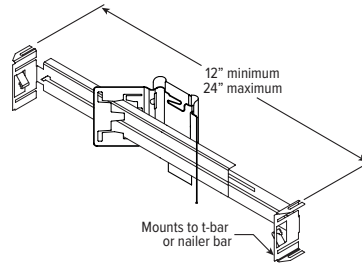
**CA1** Adjustable caterpillar pan bracket, universal bar hanger included



**F2** 2-Position fixed pan bracket, t-bar bar hanger included



**BA2** Adjustable butterfly pan bracket, heavy-duty universal bar hanger included



**CA2** Adjustable caterpillar pan bracket, t-bar hanger included

