

6DR LED 6" Downlight – Round

FIXTURE PERFORMANCE DATA

OPEN REFLECTOR TRIM TYPE

	DIST.	DELIVERED LUMENS	WATTAGE	EFFICACY (lm/W)
L10	W	1014	8.7	116.9
	M	982	8.7	113.2
	N	1003	8.7	115.7
L15	W	1497	13.8	108.6
	M	1495	13.8	108.4
	N	1528	13.8	110.8
L20	W	1988	19.0	104.6
	M	1983	19.1	103.8
	N	2026	19.1	106.1
L30	W	3062	26.9	114.0
	M	3003	26.9	111.8
	N	3000	26.9	111.7
L40	W	4094	36.5	112.2
	M	4016	36.4	110.3
	N	4011	36.4	110.2
L50	W	5014	43.9	114.1
	M	4935	43.9	112.3
	N	5047	43.9	114.9
L60	W	6043	54.0	111.9
	M	5948	54.0	110.1
	N	6083	54.0	112.6
L70	W	7008	67.8	103.3
	M	6898	67.8	101.7
	N	7055	67.8	104.0
L80	W	8018	79.8	100.5
	M	7891	79.8	98.9
	N	8071	79.8	101.2

FLUSH LENS TRIM TYPE

	DIST.	DELIVERED LUMENS	WATTAGE	EFFICACY (lm/W)
L10	W	774	8.7	89.2
	M	910	8.7	104.9
	N	909	8.7	104.8
L15	W	1178	13.8	85.4
	M	1385	13.8	100.4
	N	1384	13.8	100.4
L20	W	1562	19.5	80.1
	M	1837	19.1	96.1
	N	1836	19.5	94.2
L30	W	2335	26.9	86.9
	M	2782	26.9	103.6
	N	2718	26.9	101.2
L40	W	3122	36.5	85.5
	M	3720	36.4	102.2
	N	3635	36.4	99.9
L50	W	3824	43.9	87.0
	M	-	-	-
	N	-	-	-
L60	W	4609	54.0	85.4
	M	-	-	-
	N	-	-	-
L70	W	5345	67.8	78.8
	M	-	-	-
	N	-	-	-
L80	W	6115	79.8	76.7
	M	-	-	-
	N	-	-	-

REGRESSED LENS TRIM TYPE

	DIST.	DELIVERED LUMENS	WATTAGE	EFFICACY (lm/W)
L10	W	716	8.7	82.5
	M	883	8.7	101.7
	N	897	8.7	103.4
L15	W	1090	13.8	79.0
	M	1344	13.8	97.4
	N	1366	13.8	99.1
L20	W	1445	19.5	74.1
	M	1782	19.1	93.3
	N	1812	19.5	92.9
L30	W	2160	26.9	80.4
	M	2699	26.9	100.5
	N	2683	26.9	99.9
L40	W	2889	36.5	79.1
	M	3609	36.4	99.1
	N	3587	36.4	98.6
L50	W	3537	43.9	80.5
	M	-	-	-
	N	-	-	-
L60	W	4264	54.0	79.0
	M	-	-	-
	N	-	-	-
L70	W	4945	67.8	72.9
	M	-	-	-
	N	-	-	-
L80	W	5657	79.8	70.9
	M	-	-	-
	N	-	-	-

MULTIPLIER TABLES

	COLOR TEMPERATURE	
	CCT	CONVERSION FACTOR
80 CRI	2700K	0.92
	3000K	0.98
	3500K	1.00
	4000K	1.01
	5000K	1.02
90 CRI	2700K	0.76
	3000K	0.79
	3500K	0.82
	4000K	0.84
	5000K	0.88

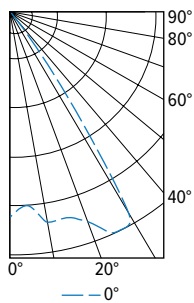
	REFLECTOR FINISH	
	CATALOG NUMBER	CONVERSION FACTOR
O TRIM	CS	1.00
	SG ¹	0.92
	GD	0.93
	CG	0.96
	PW	0.86
	SPC	1.02
	RG	0.88
	WH ¹	0.89
	BL ¹	0.47
	R TRIM	WH
CS		0.98
BL		0.79

	TRIM	
	CATALOG NUMBER	CONVERSION FACTOR
S	0.85	
AD	0.85	
PD	0.85	
TD	0.75	
WET/CC ²	0.85	

- Distribution will also be affected, consult factory.
- Use multiplier when specified with O Trim Type.
 - 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 tables to calculate additional options.

PHOTOMETRY

6DR-TL-L20/835-DIM-UNV-OW-OF-CS Report #: 20687; 12/12/18 | Total Luminaire Output: 1988 lumens; 19.0 Watts | Efficacy: 104.6 lm/W | 82.9 CRI; 3457K CCT



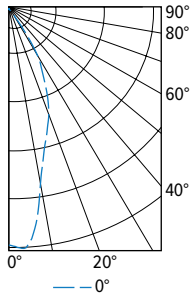
CANDLEPOWER DISTRIBUTION	VERTICAL ANGLE	HORIZONTAL ANGLE	ZONAL LUMENS
		0°	
	0	1672	
	5	1579	151
	15	1735	492
	25	1982	917
	35	604	380
	45	46	36
	55	13	12
	65	2	2
	75	0	0
	85	0	0
	90	0	0

LUMEN SUMMARY	ZONE	LUMENS	% FIXTURE
	0 - 40	1939	98
	0 - 60	1987	100
	0 - 90	1988	100
	0 - 180	1988	100



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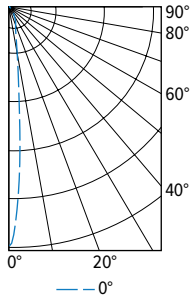
6DR-TL-L20/835-DIM-UNV-OM-OF-CS Report #: 12326812.04; 05/01/18 | Total Luminaire Output: 1983 lumens; 19.1 Watts | Efficacy: 103.8 lm/W | 82.7 CRI; 3579K CCT



CANDLEPOWER DISTRIBUTION	VERTICAL ANGLE	HORIZONTAL ANGLE	ZONAL LUMENS
		0°	
	0	4013	
	5	3972	249
	15	2325	347
	25	1412	68
	35	396	68
	45	46	15
	55	14	5
	65	4	2
	75	1	0
	85	0	0
	90	0	0

LUMEN SUMMARY	ZONE	LUMENS	% FIXTURE
	0 - 40	1924	97
	0 - 60	1977	100
	0 - 90	1983	100
	0 - 180	1983	100

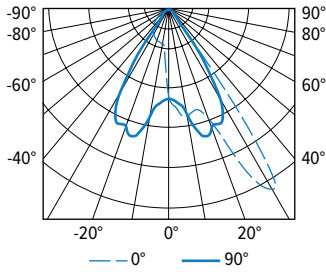
6DR-TL-L20/835-DIM-UNV-ON-OF-CS Report #: 12326812.05; 06/06/18 | Total Luminaire Output: 2026 lumens; 19.1 Watts | Efficacy: 106.1 lm/W | 82.6 CRI; 3578K CCT



CANDLEPOWER DISTRIBUTION	VERTICAL ANGLE	HORIZONTAL ANGLE	ZONAL LUMENS
		0°	
	0	22000	
	5	9830	397
	15	2032	290
	25	1021	214
	35	242	24
	45	13	4
	55	4	1
	65	1	1
	75	0	0
	85	0	0
	90	0	0

LUMEN SUMMARY	ZONE	LUMENS	% FIXTURE
	0 - 40	2010	99
	0 - 60	2024	100
	0 - 90	2026	100
	0 - 180	2026	100

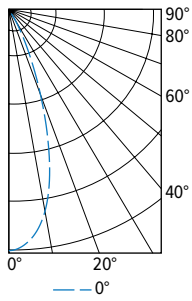
6DR-TL-L20/835-DIM-UNV-OWW-OF-CS Report #: 12326812.06; 06/28/18 | Total Luminaire Output: 1009 lumens; 19.1 Watts | Efficacy: 52.8 lm/W | 82.6 CRI; 3568K CCT



CANDLEPOWER DISTRIBUTION	VERTICAL ANGLE	HORIZONTAL ANGLE					ZONAL LUMENS
		0°	45°	90°	135°	180°	
	0	772	772	772	772	772	
	5	873	843	805	494	403	48
	15	891	872	1128	275	292	108
	25	1552	925	1051	240	274	194
	35	539	400	375	206	235	58
	45	43	36	88	166	185	37
	55	21	20	54	116	122	27
	65	16	14	32	70	72	18
	75	7	5	15	39	39	9
	85	0	0	3	10	8	1
	90	0	0	0	0	0	

LUMEN SUMMARY	ZONE	LUMENS	% FIXTURE
	0 - 40	804	80
	0 - 60	941	93
	0 - 90	1009	100
	0 - 180	1009	100

6DR-TL-L20/835-DIM-UNV-LM-OF-WH Report #: 12326812.09; 06/05/18 | Total Luminaire Output: 1837 lumens; 19.1 Watts | Efficacy: 96.1 lm/W | 82.6 CRI; 3549K CCT



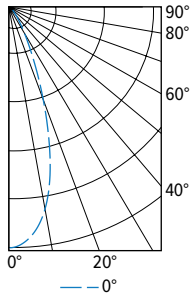
CANDLEPOWER DISTRIBUTION	VERTICAL ANGLE	HORIZONTAL ANGLE	ZONAL LUMENS
		0°	
	0	4338	
	5	4168	281
	15	2728	354
	25	847	153
	35	222	56
	45	89	31
	55	53	22
	65	32	14
	75	16	7
	85	4	1
	90	0	0

LUMEN SUMMARY	ZONE	LUMENS	% FIXTURE
	0 - 40	1667	91
	0 - 60	1785	97
	0 - 90	1837	100
	0 - 180	1837	100



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6DR-TL-L20/835-DIM-UNV-RM-OF-WH Report #: 12326812.14; 06/06/18 | Total Luminaire Output: 1782 lumens; 19.1 Watts | Efficacy: 93.3 lm/W | 82.7 CRI; 3546K CCT



CANDLEPOWER DISTRIBUTION	VERTICAL ANGLE	HORIZONTAL ANGLE	ZONAL LUMENS
		0°	
	0	4313	
	5	4131	277
	15	2669	346
	25	846	155
	35	225	55
	45	76	26
	55	41	17
	65	23	10
	75	10	4
	85	3	1
	90	0	

LUMEN SUMMARY	ZONE	LUMENS	% FIXTURE
	0 - 40	1648	93
	0 - 60	1746	98
	0 - 90	1782	100
	0 - 180	1782	100

ADDITIONAL CONTROL OPTIONS

Lumen restrictions apply: L40 max for DMX driver, L40 max for Lutron drivers, L50 max for ELDO drivers, L60 max for DIM LINE driver. R Mounting Type only available with DIM, DIM1, and DIM LINE controls. 347V may require stepdown transformer, see product builder at hew.com/product-builder.

CATALOG NUMBER	DESCRIPTION
DIM	Dimming driver prewired for 0-10V low voltage applications
DIM1	1% dimming driver prewired for 0-10V low voltage applications
DIM LINE	Line voltage dimming driver (TRIAC and ELV compatible at 120V only)
DMX	0.1% dimming driver for DMX controls
LTE LINE	Lutron Hi-lume 1% 2-wire dimming driver forward phase line voltage controls (120V only)
LDE1	Lutron Hi-lume 1% EcoSystem dimming LED driver
LDE5	Lutron 5-Series 5% EcoSystem dimming LED driver
VRF/DSR	Lutron Vive integral fixture control, RF only (DFCSJ-OEM-RF) and sensor-ready driver
VRF/DBI/LDE1	Lutron Vive integral fixture control, RF only (DFCSJ-OEM-RF), Lutron Hi-lume 1% EcoSystem dimming LED driver, and digital link interface
VRF/DBI/LDE5	Lutron Vive integral fixture control, RF only (DFCSJ-OEM-RF), Lutron 5-Series 5% EcoSystem dimming LED driver, and digital link interface
FCJS/DIM	Lutron Vive PowPak wireless fixture control with dimming driver
FCJS/DIM1	Lutron Vive PowPak wireless fixture control with 1% dimming driver
ELDO SOLOB	EldoLED Solodrive, 0.1% dimming driver for 0-10V controls
ELDO SOLOB DALI	EldoLED Solodrive, 0.1% dimming driver for DALI controls
ELDO ECO1	EldoLED Ecodrive, 1% dimming driver for 0-10V controls
ELDO ECO1 DALI	EldoLED Ecodrive, 1% dimming driver for DALI controls

TRIMLOCK DETAILS

TWIST



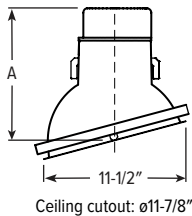
PULL



RELEASE



SLOPED CEILING ADAPTOR DETAILS

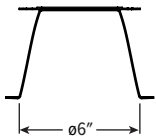


LUMENS	A (HEIGHT)						PLENUM HEIGHT
	5°	10°	15°	20°	25°	30°	
L10 - L40	10-11/16"	10-7/8"	10-15/16"	10-7/8"	10-13/16"	10-5/8"	11-1/4"
L50 - L80	11-7/16"	11-9/16"	11-5/8"	11-5/8"	11-1/2"	11-1/4"	12"

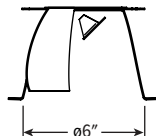
15° Shown

TRIM TYPE DETAILS

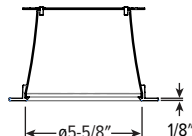
OPEN



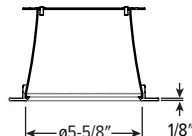
OPEN (WALL WASH)



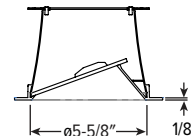
FLUSH



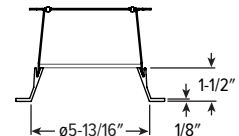
SHOWER



ANGLED

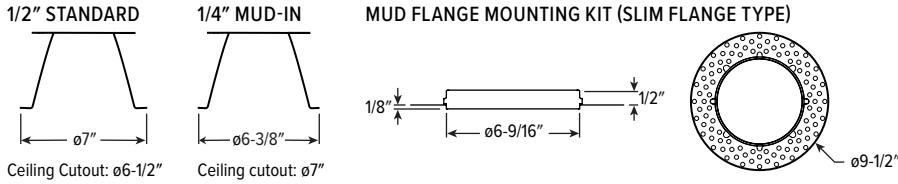


REGRESSED

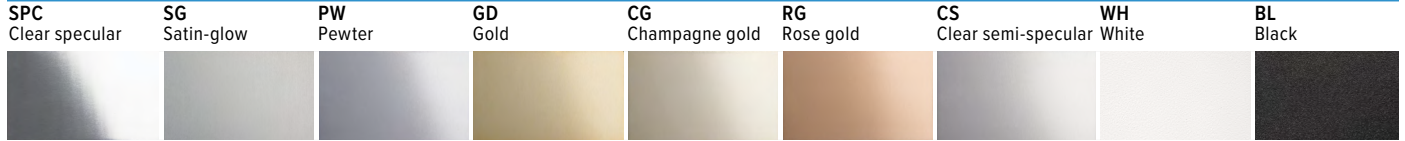


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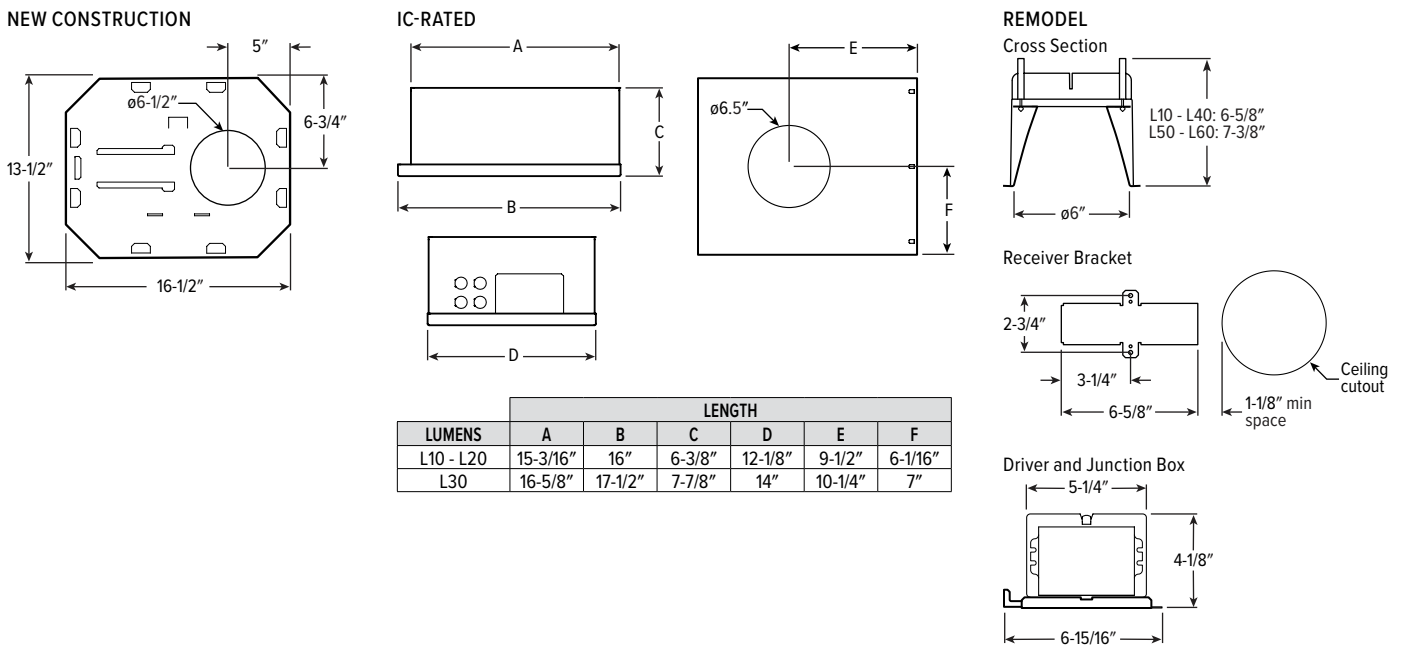
FLANGE TYPE DETAILS



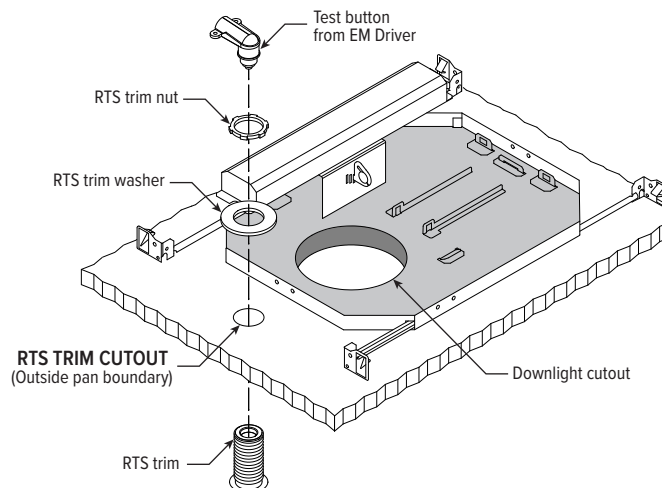
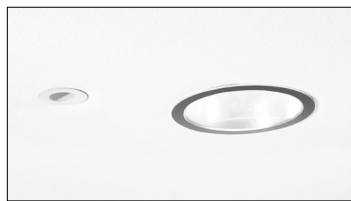
REFLECTOR FINISH DETAILS



MOUNTING TYPE DETAILS



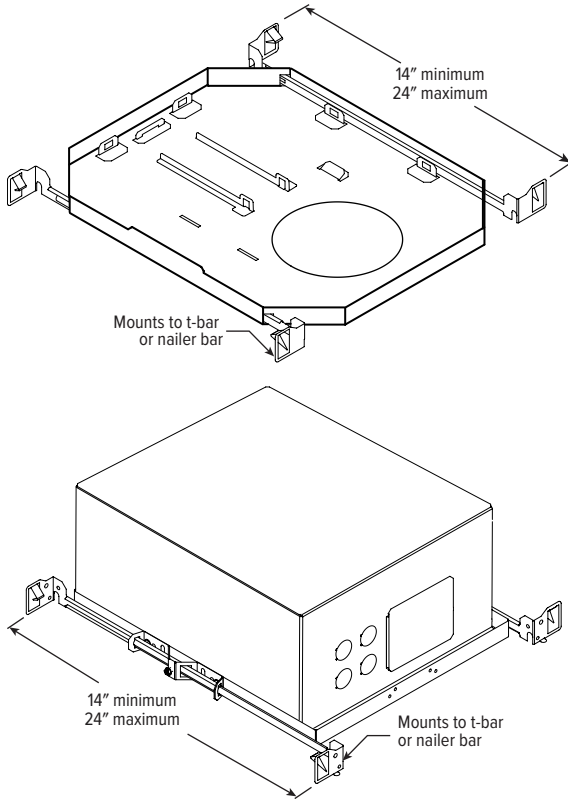
EM/10W/RTS DETAILS



6DR^{LED} 6" Downlight – Round

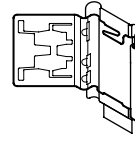
MOUNTING HARDWARE DETAILS

F1 Integral 2-position fixed pan bracket, universal bar hanger included

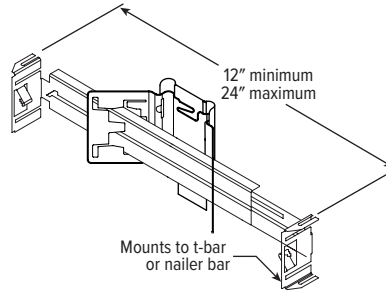


F1 with I Mounting Type

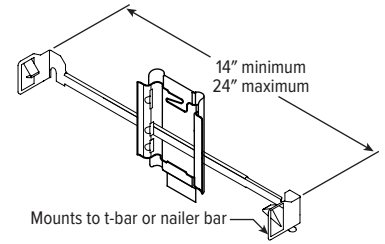
BA1 Adjustable butterfly pan bracket, bar hanger not included (N Mounting Type only)



BA2 Adjustable butterfly pan bracket, heavy-duty universal bar hanger included (N Mounting Type only)



CA1 Adjustable caterpillar pan bracket, universal bar hanger included (N Mounting Type only)



CA2 Adjustable caterpillar pan bracket, t-bar hanger included (N Mounting Type only)

