

V4DR LED 4.5" Vandal-Resistant Downlight – Round

FIXTURE PERFORMANCE DATA

FLUSH LENS TRIM TYPE

	DISTRIBUTION	DELIVERED LUMENS	WATTAGE	EFFICACY (lm/W)
L7	W	674	9.0	74.6
	M	895	9.0	99.0
	N	914	9.0	101.2
L10	W	994	13.9	71.7
	M	1319	13.9	95.1
	N	1347	13.9	97.2
L14	W	1352	19.8	68.3
	M	1794	19.8	90.6
	N	1833	19.8	92.6
L20	W	2022	27.8	72.7
	M	2683	27.8	96.5
	N	2741	27.8	98.6
L27	W	2695	38.0	70.9
	M	3577	38.0	94.1
	N	3654	38.0	96.2
L34	W	3364	45.2	74.4
	M	-	-	-
	N	-	-	-
L40	W	4042	58.6	69.0
	M	-	-	-
	N	-	-	-

REGRESSED LENS TRIM TYPE

	DISTRIBUTION	DELIVERED LUMENS	WATTAGE	EFFICACY (lm/W)
L7	W	660	9.0	73.0
	M	895	9.0	99.1
	N	882	9.0	97.7
L10	W	972	13.9	70.2
	M	1319	13.9	95.2
	N	1300	13.9	93.8
L14	W	1323	19.8	66.2
	M	1795	19.8	90.8
	N	1769	19.8	88.5
L20	W	1979	27.8	71.1
	M	2685	27.8	96.5
	N	2646	27.8	95.1
L27	W	2638	38.0	69.4
	M	3579	38.0	94.2
	N	3527	38.0	92.8
L34	W	3292	45.2	72.8
	M	-	-	-
	N	-	-	-
L40	W	3955	58.6	67.5
	M	-	-	-
	N	-	-	-

MULTIPLIER TABLES

	COLOR TEMPERATURE	
	CCT	CONVERSION FACTOR
	80 CRI	2700K
	3000K	0.98
	3500K	1.00
	4000K	1.01
	5000K	1.02

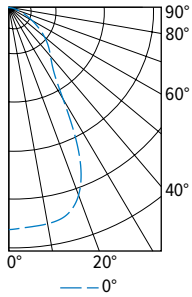
	CONVERSION FACTOR		
	90 CRI	2700K	0.76
		3000K	0.79
		3500K	0.82
		4000K	0.84
	5000K	0.88	

TRIM	
CATALOG NUMBER	CONVERSION FACTOR
AD	0.85
PD	0.85

- 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

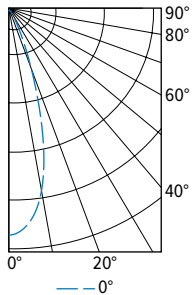
V4DR-L14/835-DIM-UNV-LW-OF-WH Total Luminaire Output: 1352 lumens; 19.8 Watts | Efficacy: 68.3 lm/W | 80CRI; 3500K CCT



CANDLEPOWER DISTRIBUTION	VERTICAL ANGLE	HORIZONTAL ANGLE	ZONAL LUMENS
		0°	
	0	950	
	5	943	67
	15	925	148
	25	722	153
	35	336	101
	45	241	90
	55	161	65
	65	87	37
	75	37	15
	85	7	1
	90	0	

LUMEN SUMMARY	ZONE	LUMENS	% FIXTURE
	0 - 40	887	66
	0 - 60	1217	90
	0 - 90	1352	100
	0-180	1352	100

V4DR-L14/835-DIM-UNV-LM-OF-WH Total Luminaire Output: 1794 lumens; 19.8 Watts | Efficacy: 90.6 lm/W | 80CRI; 3500K CCT



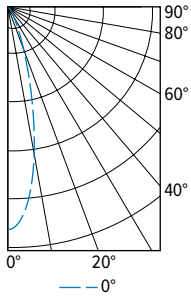
CANDLEPOWER DISTRIBUTION	VERTICAL ANGLE	HORIZONTAL ANGLE	ZONAL LUMENS
		0°	
	0	4642	
	5	4443	297
	15	2727	340
	25	737	132
	35	193	50
	45	88	32
	55	56	23
	65	34	15
	75	17	7
	85	3	1
	90	0	

LUMEN SUMMARY	ZONE	LUMENS	% FIXTURE
	0-40	1618	90
	0-60	1738	97
	0-90	1794	100
	0-180	1794	100



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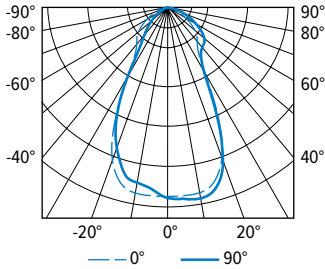
V4DR-L14/835-DIM-UNV-LN-OF-WH Total Luminaire Output: 1833 lumens; 19.8 Watts | Efficacy: 92.6 lm/W | 80CRI; 3500K CCT



CANDLEPOWER DISTRIBUTION	VERTICAL ANGLE	HORIZONTAL ANGLE	ZONAL LUMENS
		0°	
	0	6885	
	5	6211	383
	15	2650	312
	25	625	110
	35	164	44
	45	78	28
	55	47	20
	65	29	13
	75	14	6
	85	3	1
	90	0	

LUMEN SUMMARY	ZONE	LUMENS	% FIXTURE
	0-40	1682	92
	0-60	1786	97
	0-90	1833	100
	0-180	1833	100

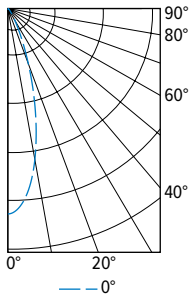
V4DR-L14/835-DIM-UNV-AWW-OF-WH Total Luminaire Output: 1022 lumens; 19.8 Watts | Efficacy: 51.6 lm/W | 80CRI; 3500K CCT



CANDLEPOWER DISTRIBUTION	VERTICAL ANGLE	HORIZONTAL ANGLE					ZONAL LUMENS
		0°	45°	90°	135°	180°	
	0	866	866	866	866	866	
	5	876	875	862	842	828	61
	15	842	823	815	795	763	124
	25	484	462	506	534	516	102
	35	257	241	236	237	204	72
	45	228	212	184	144	120	67
	55	180	159	121	82	64	49
	65	109	90	59	36	24	26
	75	51	36	19	10	10	9
	85	10	4	2	3	2	1
	90	0	0	0	1	0	

LUMEN SUMMARY	ZONE	LUMENS	% FIXTURE
	0 - 40	684	67
	0 - 60	930	91
	0 - 90	1022	100
	0 - 180	1022	100

V4DR-L14/835-DIM-UNV-RM-OF-WH Total Luminaire Output: 1795 lumens; 19.8 Watts | Efficacy: 90.8 lm/W | 80 CRI; 3500K CCT



CANDLEPOWER DISTRIBUTION	VERTICAL ANGLE	HORIZONTAL ANGLE	ZONAL LUMENS
		0°	
	0	5176	
	5	4824	311
	15	2680	342
	25	786	140
	35	194	49
	45	75	26
	55	42	17
	65	22	9
	75	9	4
	85	2	1
	90	0	

LUMEN SUMMARY	ZONE	LUMENS	% FIXTURE
	0-40	1663	93
	0-60	1761	98
	0-90	1796	100
	0-180	1796	100

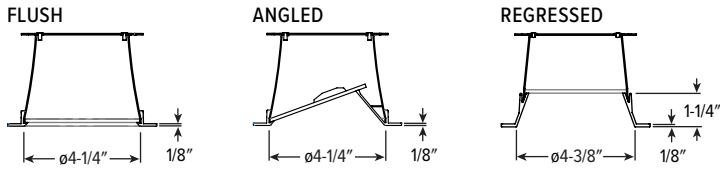
ADDITIONAL CONTROL OPTIONS

Lumen restrictions apply: L27 max for DMX driver, L27 max for Lutron drivers, L34 max for ELDO drivers. 347V may require stepdown transformer, see product builder at hew.com/product-builder.

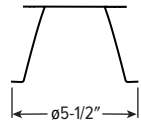
CATALOG NUMBER	DESCRIPTION
DIM	Dimming driver prewired for 0-10V low voltage applications
DIM1	1% dimming driver prewired for 0-10V low voltage applications
DIM LINE	Line voltage dimming driver (TRIAC and ELV compatible at 120V only)
DMX	0.1% dimming driver for DMX controls
LTE LINE	Lutron Hi-lume 1% 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/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

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TRIM TYPE DETAILS



FLANGE TYPE DETAILS



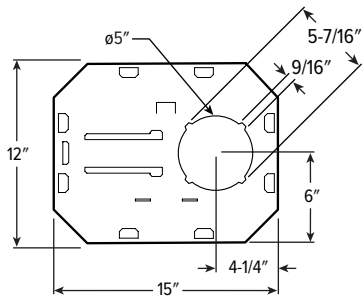
Ceiling Cutout: $\phi 5"$

REFLECTOR FINISH DETAILS

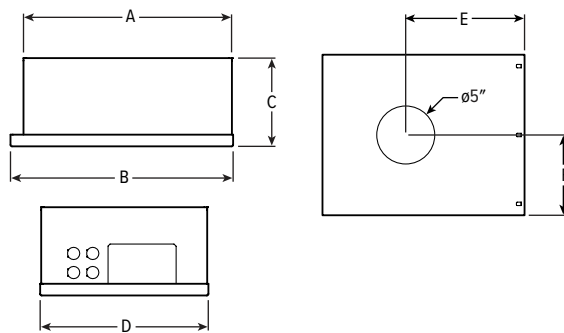


MOUNTING TYPE DETAILS

NEW CONSTRUCTION



IC-RATED



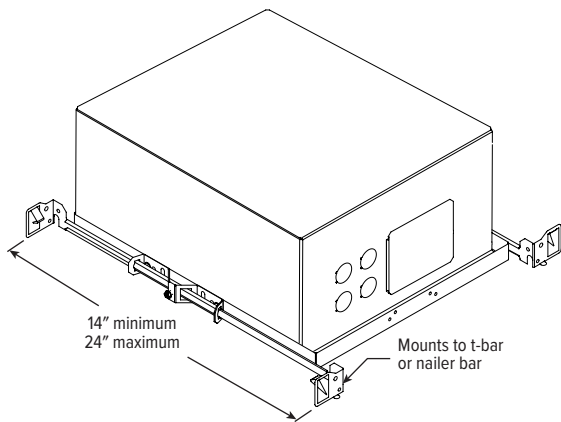
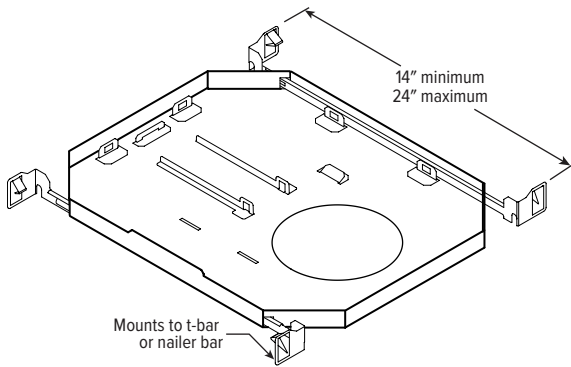
LUMENS	LENGTH					
	A	B	C	D	E	F
L7 - L14	15-3/16"	16"	6-3/8"	12-1/8"	9-1/2"	6-1/16"
L20	16-5/8"	17-1/2"	7-7/8"	14"	10-1/4"	7"



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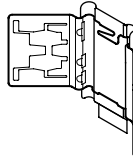
MOUNTING HARDWARE DETAILS

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

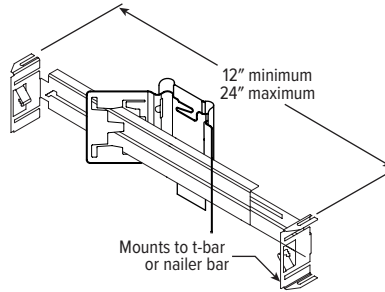


F1 with I Mounting Type

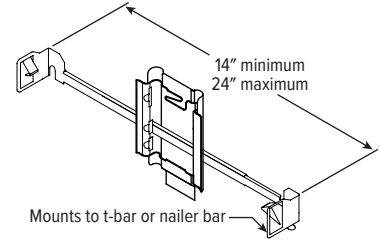
BA1 Adjustable butterfly pan bracket, bar hanger not included (N Mounting Type only)



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)

