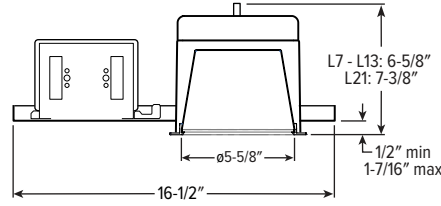


V6DR dim to WARM

6" Vandal-Resistant Downlight – Round



CATALOG #: _____

TYPE: _____

PROJECT: _____

FEATURES

- Dim to warm from 1800K to 3000K CCT, minimum 95 CRI
- Beam angles ranging from 25° narrow to 55° wide for tailored performance
- Die cast trim choices include flush, regressed, or angled lens
- Contemporary design provides glare-free illumination for a soft ceiling appearance
- Easily adjust mounting arms below ceiling to adapt to a range of ceiling thicknesses

SPECIFICATIONS

- **HOUSING** – Die-cast aluminum trim housing with forged aluminum heat sink. Galvanized steel splice compartment with driver mounting plate/enclosure. Swing-out mounting arms adjust for ceiling thickness from 1/2" - 1-7/16" (see options for additional ceiling thicknesses).
- **LENSED TRIM** – Die-cast aluminum frame with micro-prismatic, polycarbonate lens. Trim is secured with four stainless steel, tamper-resistant screws.
- **ELECTRICAL** – High-performance Class 2 C.O.B. LED array. Modular quick-connect plug for easy field-connection of LED light assembly to driver. Reported L70>55,000 hours. Reported L90>55,000 hours. Estimated L70 = 200,000 hours.
- **MOUNTING** – Recessed. 20 ga. galvanized steel mounting pan for new construction or IC-rated enclosure.
- **LISTINGS** –
 - cCSAus conforms to UL STD 1598; Certified to CAN/CSA STD C22.2 No. 250.0 for damp locations. LED light assembly conforms to UL 2108 for remote installation.
 - Suitable for wet location under covered ceiling when specified with WET/CC option.
 - IC-rated for direct contact with insulation when specified with I Mounting Type.
 - City of Chicago Environmental Air approved when specified with CP option.
 - Complies with ASTM-E283 when specified with ATH option.
 - RoHS compliant.
- **WARRANTY** – 5-year limited warranty, see hew.com/warranty.

ORDERING EXAMPLE: V6DR - TL - L21/9DW - OPTIONS - DIM - UNV - LW - OF - CS - TRIM OPTIONS - N - F1

HOUSING

SERIES	LUMENS ^[1]	COLOR	OPTIONS	DRIVER ^[2]	VOLTAGE
V6DR	L7 700lm	9DW Dim to warm (95 CRI, 1800K – 3000K)	ATH Airtight construction	DIM Dimming driver (0-10V signal to control dimming and CCT)	UNV 120-277V 347 347V ^[8]
	L13 1,300lm		F Fuse		
	L21 2,100lm		CP Chicago plenum (CCEA) ^[3]	LUT Lutron Ecosystem enabled	
	EM/7W 7-watt emergency battery ^[4]				
	EM/10W 10-watt emergency battery ^[5]				
	SDT Stepdown transformer ^[6]				
	TC Adjustable mounting arms for 1-1/2" – 2-1/4" thick ceilings				
	TP10 T10 torx bit 1/4" drive tamper-resistant tool ^[7]				

TRIM

TRIM TYPE	DISTRIBUTION ^[9]	FLANGE TYPE	REFLECTOR FINISH	TRIM OPTIONS
L Flush lens	W Wide	OF 1/2" standard flange	CS Clear semi-specular powder coat	MWT Textured white trim flange ^[3]
R Regressed lens	55° Flush		WH White texture powder coat	IP IP65 rated trim
A Angled lens ^[10]	55° Regressed		BL Black texture powder coat	PD Diffuse 1/8" polycarbonate lens ^[14]
	M Medium		MB Black texture splay with white flange ^[12]	WET/CC Wet location, covered ceiling listed
	35° Flush			AM Anti-microbial ^[15]
	35° Regressed			
	N Narrow			
	25° Flush			
	25° Regressed			
	WW Wall wash ^[11]			

MOUNTING

MOUNTING TYPE^[16]

- N Open pan for new construction
- I IC-rated enclosure for new construction^[18]

MOUNTING HARDWARE^[17]

- F1 Integral 2-position fixed pan bracket, universal bar hanger included
- BA1 Adjustable butterfly pan bracket, bar hanger not included^[19]
- CA1 Adjustable caterpillar pan bracket, universal bar hanger included^[20]

NOTES

- Lumen output based on L trim type, W distribution and WH finish, 3000K/95CRI. Actual lumens may vary +/-5%. See page 2 for FIXTURE PERFORMANCE DATA.
- See page 4 for ADDITIONAL DRIVER OPTIONS.
- I Mounting Type required.
- N and R Mounting Types only.
- N and R Mounting Types only.
- May be required for 347V, see product builder at hew.com/product-builder
- Tamper-resistant (TP10) tool must be ordered separately. Please specify quantity required per project.
- Not available with EM batteries.
- Beam angle based on CS or WH reflector finish.
- Available with WW Distribution only.
- A Trim Type only.
- R Trim Type only. Not available with MWT.
- Not available with WH Reflector Finish or L Trim Type.
- W distribution only.
- WH and BL Reflector Finishes only.
- Mounting hardware required, ordered separately, see MOUNTING HARDWARE ordering info. See page 4 for MOUNTING TYPE DETAILS.
- Additional mounting hardware options available. See page 4 for MOUNTING HARDWARE DETAILS.
- L13 lumen package max.
- N Mounting Type only.
- N Mounting Type only.



V6DR dim to WARM 6" Vandal-Resistant Downlight – Round

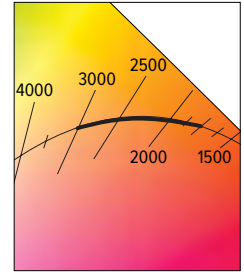
FIXTURE PERFORMANCE DATA

FLUSH LENS TRIM TYPE

	DIST.	DELIVERED LUMENS	CCT AT 100% (FULL OUTPUT)	CCT AT 1% (FULL DIM)	WATTAGE	EFFICACY (lm/W)
L7	W	739	3000K	1800K	14.0	52.8
	M	797			14.0	56.9
	N	802			14.0	57.3
L13	W	1296			23.4	55.5
	M	1397			23.4	59.8
	N	1405			23.4	60.1
L21	W	2123			37.7	56.3
	M	2284			37.7	60.6
	N	2302			37.7	61.1

REGRESSED LENS TRIM TYPE

	DIST.	DELIVERED LUMENS	CCT AT 100% (FULL OUTPUT)	CCT AT 1% (FULL DIM)	WATTAGE	EFFICACY (lm/W)
L7	W	716	3000K	1800K	14.0	51.1
	M	775			14.0	55.4
	N	781			14.0	55.8
L13	W	1254			23.4	53.7
	M	1359			23.4	58.2
	N	1370			23.4	58.6
L21	W	2054			37.7	54.5
	M	2226			37.7	59.1
	N	2243			37.7	59.5



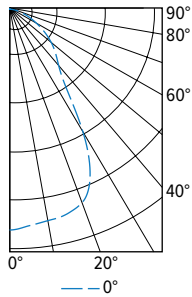
- Photometrics tested in accordance with IESNA LM-79. Results shown are based on 25°C ambient temperature.
- Wattage shown is based on 120V input.
- Results based on 3000K, 95 CRI, full output, actual lumens may vary +/-5%
- Use multiplier table to calculate additional options.

MULTIPLIER TABLE

TRIM	
CATALOG NUMBER	CONVERSION FACTOR
AD	0.85
PD	0.85

PHOTOMETRY

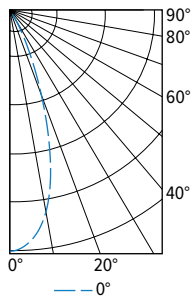
V6DR-L13/9DW-DIM-UNV-LW-OF-WH Total Luminaire Output: 1296 lumens; 23.4 Watts | Efficacy: 55.5 lm/W | 95 CRI; 3000K CCT



CANDLEPOWER DISTRIBUTION	VERTICAL ANGLE	HORIZONTAL ANGLE	ZONAL LUMENS
		0°	
	0	824	
	5	811	77
	15	792	223
	25	683	307
	35	349	227
	45	233	180
	55	158	141
	65	88	88
	75	39	42
	85	9	10
	90	0	

LUMEN SUMMARY	ZONE	LUMENS	% FIXTURE
	0 - 40	834	64
	0 - 60	1155	89
	0 - 90	1296	100
	0 - 180	1296	100

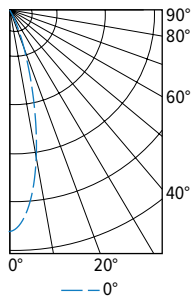
V6DR-L13/9DW-DIM-UNV-LM-OF-WH Total Luminaire Output: 1397 lumens; 23.4 Watts | Efficacy: 59.81 lm/W | 95 CRI; 3000K CCT



CANDLEPOWER DISTRIBUTION	VERTICAL ANGLE	HORIZONTAL ANGLE	ZONAL LUMENS
		0°	
	0	3299	
	5	3170	291
	15	2075	558
	25	644	307
	35	168	112
	45	68	54
	55	40	36
	65	24	24
	75	12	13
	85	3	3
	90	0	

LUMEN SUMMARY	ZONE	LUMENS	% FIXTURE
	0 - 40	1267	91
	0 - 60	1357	97
	0 - 90	1397	100
	0 - 180	1397	100

V6DR-L13/9DW-DIM-UNV-LN-OF-WH Total Luminaire Output: 1405 lumens; 23.4 Watts | Efficacy: 60.1 lm/W | 95 CRI; 3000K CCT



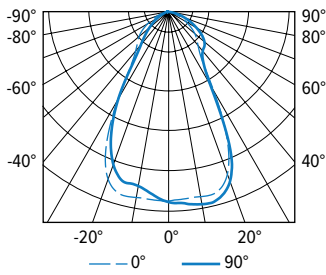
CANDLEPOWER DISTRIBUTION	VERTICAL ANGLE	HORIZONTAL ANGLE	ZONAL LUMENS
		0°	
	0	5255	
	5	4756	413
	15	2042	563
	25	485	236
	35	126	83
	45	57	45
	55	34	31
	65	20	20
	75	10	11
	85	2	3
	90	0	

LUMEN SUMMARY	ZONE	LUMENS	% FIXTURE
	0 - 40	1295	92
	0 - 60	1371	98
	0 - 90	1405	100
	0 - 180	1405	100



V6DR dim to WARM 6" Vandal-Resistant Downlight – Round

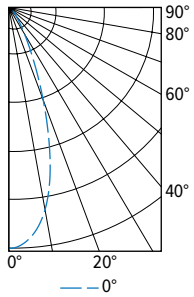
V6DR-L13/9DW-DIM-UNV-AWW-OF-WH Total Luminaire Output: 966 lumens; 23.4 Watts | Efficacy: 41.2 lm/W | 95 CRI; 3000K CCT



CANDLEPOWER DISTRIBUTION	VERTICAL ANGLE	HORIZONTAL ANGLE					ZONAL LUMENS
		0°	45°	90°	135°	180°	
	0	748	748	748	748	748	
	5	756	754	742	726	719	70
	15	761	741	737	701	685	202
	25	550	511	539	541	504	236
	35	239	227	229	239	205	150
	45	198	184	160	131	113	122
	55	162	143	109	74	59	97
	65	101	84	55	33	22	58
	75	48	35	19	9	9	25
	85	10	5	2	3	2	5
	90	0	0	0	0	0	

LUMEN SUMMARY	ZONE	LUMENS	% FIXTURE
	0 - 40	658	68
	0 - 60	878	91
	0 - 90	966	100
	0 - 180	966	100

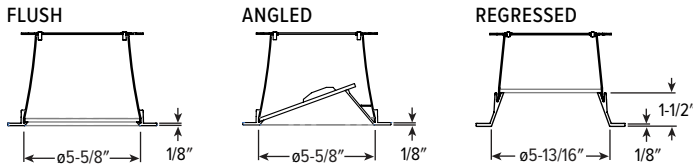
V6DR-L13/9DW-DIM-UNV-RM-OF-WH Total Luminaire Output: 1359 lumens; 23.4 Watts | Efficacy: 58.2 lm/W | 95 CRI; 3000K CCT



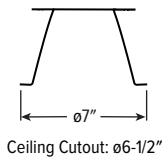
CANDLEPOWER DISTRIBUTION	VERTICAL ANGLE	HORIZONTAL ANGLE	
		0°	ZONAL LUMENS
	0	3289	
	5	3150	288
	15	2035	548
	25	645	307
	35	171	113
	45	58	47
	55	32	29
	65	17	17
	75	7	8
	85	2	2
	90	0	

LUMEN SUMMARY	ZONE	LUMENS	% FIXTURE
	0 - 40	1256	92
	0 - 60	1331	98
	0 - 90	1359	100
	0 - 180	1359	100

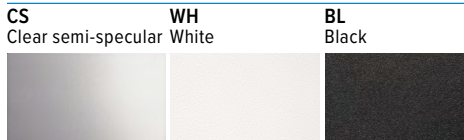
TRIM TYPE DETAILS



FLANGE TYPE DETAILS



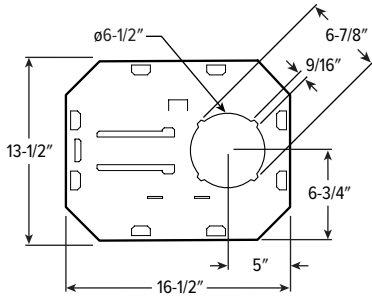
REFLECTOR FINISH DETAILS



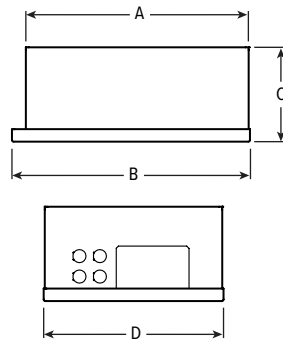
V6DR dim to WARM 6" Vandal-Resistant Downlight – Round

MOUNTING TYPE DETAILS

NEW CONSTRUCTION



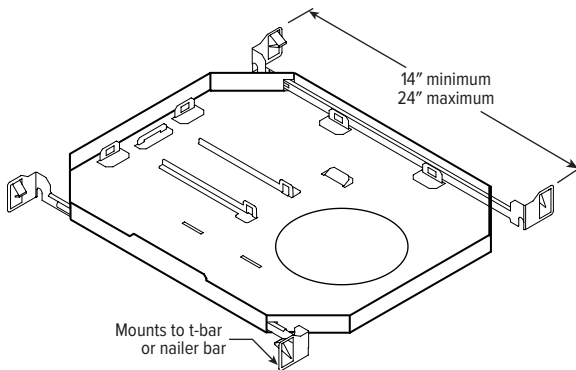
IC-RATED



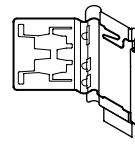
LUMENS	LENGTH			
	A	B	C	D
L7 - L13	15-3/16"	16"	6-3/8"	12-1/8"

MOUNTING HARDWARE DETAILS

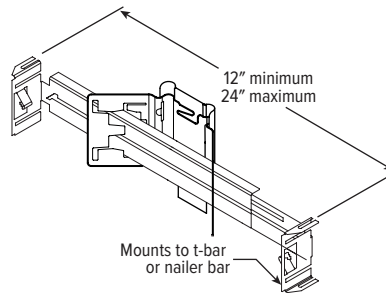
F1 Integral 2-position fixed pan bracket, universal bar hanger included



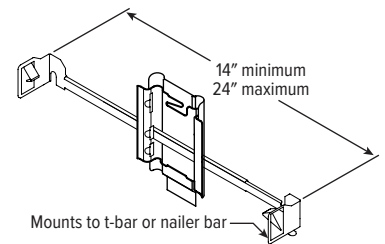
BA1 Adjustable butterfly pan bracket, bar hanger not included (N Mounting Type only)



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)

