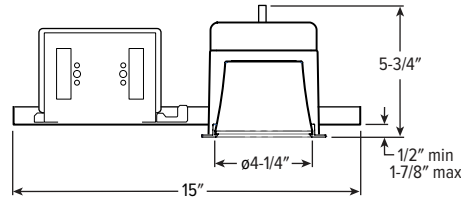
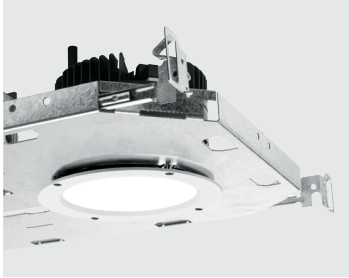


V4DR tunable WHITE

4.5" Vandal-Resistant Downlight – Round



CATALOG #: _____

TYPE: _____

PROJECT: _____



ORDERING EXAMPLE: V4DR - L16/8TW - OPTIONS - DIM - UNV - LW - OF - WH - TRIM OPTIONS - N - F1

HOUSING

SERIES	LUMENS ^[1]	COLOR	OPTIONS	CONTROL ^[2]	VOLTAGE
V4DR	L9 900lm L16 1,600lm	8TW Tunable white (80 CRI, 2700K-5000K)	EM/7W 7-watt emergency battery ^[3] EM/10W 10-watt emergency battery ^[4] ATH Airtight construction F Fuse kit CP Chicago plenum (CCEA) ^[5] TC Thick ceiling construction ^[6]	DALI Driver prewired for DALI applications DIM Dimming driver with (1) 0-10V signal to control dimming and (1) 0-10V signal to control CCT DMX Driver prewired for DMX applications PSQ Lutron T-Series 2-channel tunable white 1%. ^[7]	UNV 120-277V

TRIM

TRIM TYPE	DISTRIBUTION ^[8]	FLANGE TYPE	REFLECTOR FINISH	TRIM OPTIONS
L Flush lens R Regressed lens	W Wide 50° Flush 50° Regressed M Medium 35° Flush 30° Regressed N Narrow 25° Flush 25° Regressed	OF 1/2" standard flange	CS Clear semi-specular powder coat WH White texture powder coat BL Black texture powder coat MB Black texture splay with white flange ^[9]	MWT Textured white trim flange ^[10] IP IP65 rated trim PD Diffuse 1/8" polycarbonate lens ^[11] WET/CC Wet location, covered ceiling listed AM Anti-microbial ^[12]

MOUNTING

MOUNTING TYPE ^[13]	MOUNTING HARDWARE ^[14]
N Open pan for new construction I IC-rated enclosure for new construction ^[15]	F1 Integral 2-position fixed pan bracket, universal bar hanger included ^[16] BA1 Adjustable butterfly pan bracket, bar hanger not included ^[17] CA1 Adjustable caterpillar pan bracket, universal bar hanger included ^[18]

ACCESSORIES

TPTX-10 TOOL T10 torx bit 1/4" drive tamper-resistant tool. ^[19]

NOTES

- ¹ Lumen output based on L trim type, W distribution, WH finish, 80 CRI/4000K CCT. Actual performance may vary +/-5%, see page 2 for FIXTURE PERFORMANCE DATA.
- ² See page 3 for CONTROL DETAILS.
- ³ Specify CEC in the option code when California Energy Commission regulations are required.
- ⁴ Specify CEC in the option code when California Energy Commission regulations are required.
- ⁵ I Mounting Type required
- ⁶ Required for ceiling thicknesses greater than 1-1/4"
- ⁷ Not available with I Mounting Type.
- ⁸ Beam angle based on WH reflector finish.
- ⁹ R Trim Type only. Not available with MWT.
- ¹⁰ Not available with WH Reflector Finish or L Trim Type.

- ¹¹ W distribution only.
- ¹² WH and BL Reflector Finishes only.
- ¹³ Mounting hardware required, ordered separately, see MOUNTING HARDWARE ordering info. See page 4 for MOUNTING TYPE DETAILS.
- ¹⁴ Additional mounting hardware options available. See page 4 for MOUNTING HARDWARE DETAILS.
- ¹⁵ Not available with EM batteries.
- ¹⁶ I Mounting requires external brackets.
- ¹⁷ N Mounting Type only.
- ¹⁸ N Mounting Type only.
- ¹⁹ Tamper-resistant tool must be ordered separately. Please specify quantity required per project.



V4DR tunable WHITE 4.5" Vandal-Resistant Downlight – Round

FEATURES

- Support human-centric design with adaptive, individualized lighting using tunable white light
- Ideal for schools, behavioral health facilities, correctional institutions, and other vandal-prone areas
- Anti-ligature design with tamper-resistant fasteners
- Accepted by the New York State Office of Mental Health for use in inpatient facilities
- IP65-rated die-cast trim includes easy-to-clean flush lens
- Beam angles ranging from 25° narrow to 50° wide for tailored performance
- 4 inch aperture is unobtrusive in small scale spaces
- Die-cast trim choices include flush or regressed 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 field adjust for ceiling thickness from 1/2" – 1-7/8" max. TC option required for ceiling thicknesses greater than 1-1/4".
- LENSED TRIM** – Die-cast aluminum frame with 1/8" micro-prismatic, polycarbonate lens with 1/8" clear polycarbonate underlay. Trim is secured with four stainless steel, tamper-resistant screws.
- ELECTRICAL** – High-performance Class 2 LED array. Modular quick-connect plug for easy field-connection of LED light assembly to driver. Reported L70>50,000 hours. Tunable White products use LEDs of multiple CCTs and may produce a perceptibly different shade of white from single-CCT products at the same CCT. All CCTs are within 3 MacAdam ellipses.
- 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 dry and 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.
 - ISO 5, Class 100 rated.
 - City of Chicago Environmental Air approved when specified with CP option.
 - Complies with ASTM-E283 when specified with ATH option.
 - RoHS compliant.
 - Complies with the Buy American Act and other federal regulations. Request certification at hew.com/baa.
- WARRANTY** – 5-year limited warranty, see hew.com/warranty.

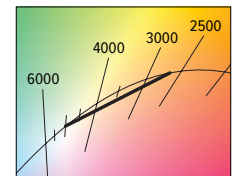
FIXTURE PERFORMANCE DATA

FLUSH LENS TRIM TYPE

	DISTRIBUTION	DELIVERED LUMENS	WATTAGE	EFFICACY (lm/W)
L9	W	936	14.6	64
	M	1045	14.6	72
	N	1069	14.6	73
L16	W	1620	24.0	68
	M	1838	24.0	77
	N	1850	24.0	77

REGRESSED LENS TRIM TYPE

	DISTRIBUTION	DELIVERED LUMENS	WATTAGE	EFFICACY (lm/W)
L9	W	946	14.6	65
	M	1046	14.6	72
	N	1075	14.6	74
L16	W	1637	24.0	68
	M	1844	24.0	77
	N	1859	24.0	78



- Photometrics tested in accordance with IESNA LM-79. Results based on L trim type, W distribution, WH finish, 80 CRI/4000K CCT, wattage for 120V input, and 25°C ambient temperature. Actual performance may vary +/-5%.
- To calculate lumen output in emergency mode, multiply the battery wattage by the efficacy.
- Use multiplier tables to calculate additional options.

MULTIPLIER TABLES

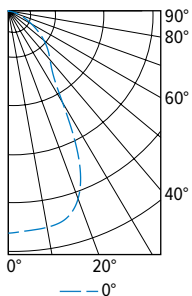
COLOR TEMPERATURE		
CCT	LUMENS	WATTS
2700K	0.83	1.03
3000K	1.00	1.00
3500K	0.99	0.99
4000K	1.00	1.00
5000K	0.98	1.03

TRIM	
CATALOG NUMBER	CONVERSION FACTOR
PD	0.85

R TRIM	REFLECTOR FINISH	
	CATALOG NUMBER	CONVERSION FACTOR
	WH	1.00
	BL	0.79
	CS	0.98

PHOTOMETRY

V4DR-L16/8TW-DIM-UNV-LW-OF-WH Total Luminaire Output: 1620 lumens; 24 Watts | Efficacy: 67.5 lm/W | 80CRI; 4000K CCT



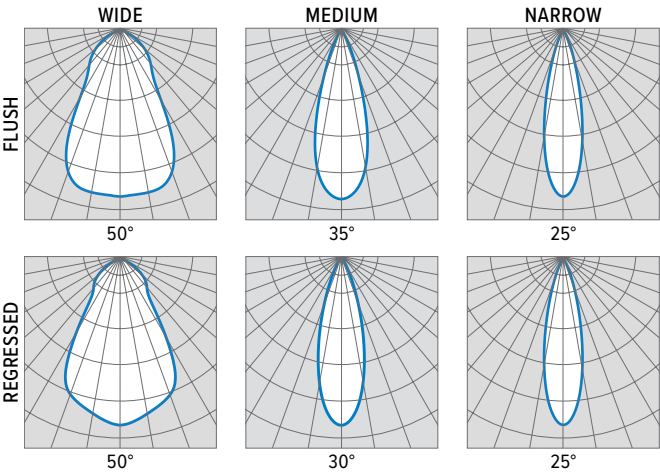
	VERTICAL ANGLE	HORIZONTAL ANGLE	ZONAL LUMENS
		0°	
CANDLEPOWER DISTRIBUTION	0	1138	
	5	1130	108
	15	1109	310
	25	865	384
	35	403	261
	45	289	223
	55	193	172
	65	104	104
	75	44	48
	85	8	10
	90	0	

LUMEN SUMMARY	ZONE	LUMENS	% FIXTURE
	0 - 40	1063	66
	0 - 60	1458	90
	0 - 90	1620	100
	0-180	1620	100

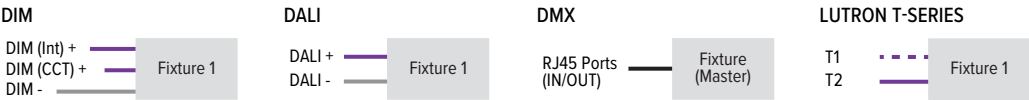


V4DR

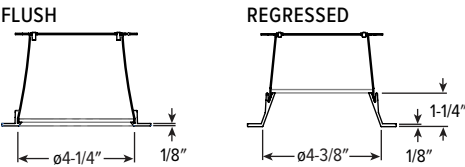
tunable **WHITE**
 4.5" Vandal-Resistant Downlight – Round



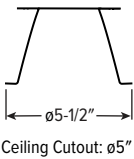
CONTROL DETAILS



TRIM TYPE DETAILS



FLANGE TYPE DETAILS



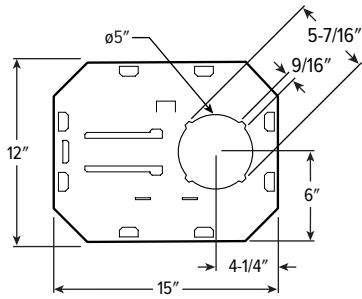
REFLECTOR FINISH DETAILS



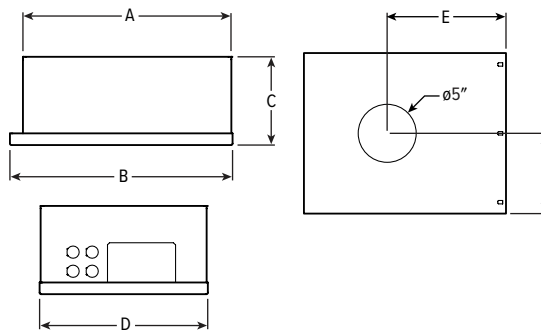
V4DR tunable WHITE 4.5" Vandal-Resistant Downlight – Round

MOUNTING TYPE DETAILS

NEW CONSTRUCTION



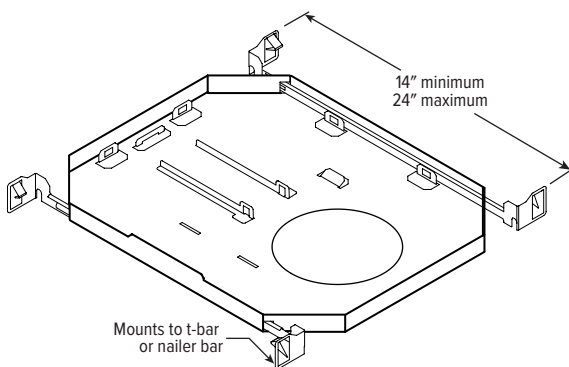
IC-RATED



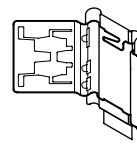
LUMENS	LENGTH					
	A	B	C	D	E	F
L9	15-3/16"	16"	6-3/8"	12-1/8"	9-1/2"	6-1/16"
L16	16-5/8"	17-1/2"	7-7/8"	14"	10-1/4"	7"

MOUNTING HARDWARE DETAILS

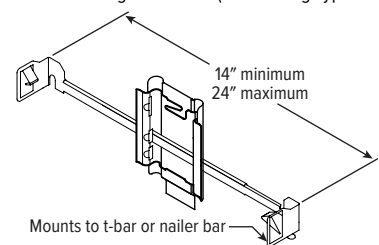
F1 Integral 2-position fixed pan bracket, universal bar hanger included



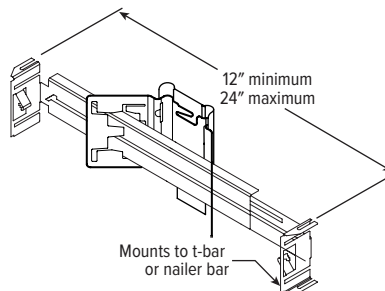
BA1 Adjustable butterfly pan bracket, bar hanger not included (N Mounting Type only)



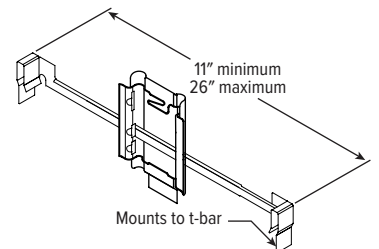
CA1 Adjustable caterpillar pan bracket, universal bar hanger included (N Mounting Type only)



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



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



F1 with I Mounting Type

