

CATALOG #: _____

TYPE: _____

PROJECT: _____

FEATURES

- Tunable white from 2700K to 5000K CCT, minimum 80 CRI
- Ideal for schools, hallways, dormitories, locker rooms, or other vandal prone areas
- Beam angles ranging from 25° narrow to 50° 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 field adjust for ceiling thickness from 1/2" – 2-1/4".
- 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 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 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: V4DR - L10/8TW - OPTIONS - DIM - UNV - LW - OF - WH - TRIM OPTIONS - N - F1

HOUSING

SERIES	LUMENS ⁽¹⁾	COLOR	OPTIONS	CONTROL	VOLTAGE
V4DR	L10 1,000lm L18 1,800lm	8TW Tunable white (80 CRI, 2700K-5000K)	EM/7W 7-watt emergency battery ⁽²⁾ EM/10W 10-watt emergency battery ⁽³⁾ ATH Airtight construction F Fuse kit CP Chicago plenum (CCEA) ⁽⁴⁾	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%.	UNV 120-277V

TRIM

TRIM TYPE	DISTRIBUTION ⁽⁵⁾	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 ⁽⁹⁾
R Regressed lens	50° Regressed		WH White texture powder coat	IP IP65 rated trim
A Angled lens ⁽⁶⁾	M Medium		BL Black texture powder coat	PD Diffuse 1/8" polycarbonate lens ⁽¹⁰⁾
	35° Flush		MB Black texture splay with white flange ⁽⁸⁾	WET/CC Wet location, covered ceiling listed
	30° Regressed			AM Anti-microbial ⁽¹¹⁾
	N Narrow			
	25° Flush			
	25° Regressed			
	WW Wall wash ⁽⁷⁾			

MOUNTING

MOUNTING TYPE ⁽¹²⁾	MOUNTING HARDWARE ⁽¹³⁾
N Open pan for new construction	F1 Integral 2-position fixed pan bracket, universal bar hanger included ⁽¹⁴⁾
I IC-rated enclosure for new construction	BA1 Adjustable butterfly pan bracket, bar hanger not included ⁽¹⁵⁾
	CA1 Adjustable caterpillar pan bracket, universal bar hanger included ⁽¹⁶⁾

ACCESSORIES

TPTX-10 TOOL T10 torx bit 1/4" drive tamper-resistant tool. ⁽¹⁷⁾

NOTES

- Lumen output based on O trim type, W distribution and WH finish, 4000K/80CRI. Actual lumens may vary +/-5%, see page 2 for FIXTURE PERFORMANCE DATA.
- N Mounting Type only.
- N Mounting Type only.
- I Mounting Type required
- Beam angle based on 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.
- I Mounting requires external brackets.
- N Mounting Type only.
- N Mounting Type only.
- Tamper-resistant tool must be ordered separately. Please specify quantity required per project.

V4DR tunable WHITE 4.5" Vandal-Resistant Downlight – Round

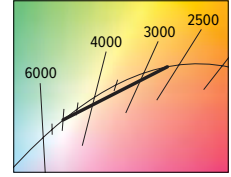
FIXTURE PERFORMANCE DATA

FLUSH LENS TRIM TYPE

	DISTRIBUTION	DELIVERED LUMENS	WATTAGE	EFFICACY (lm/W)
L10	W	1029	14.6	70.7
	M	1148	14.6	78.6
	N	1175	14.6	80.7
L18	W	1781	24.0	74.0
	M	2020	24.0	84.0
	N	2033	24.0	84.5

REGRESSED LENS TRIM TYPE

	DISTRIBUTION	DELIVERED LUMENS	WATTAGE	EFFICACY (lm/W)
L10	W	1040	14.6	71.4
	M	1149	14.6	78.7
	N	1181	14.6	81.1
L18	W	1799	24.0	74.8
	M	2026	24.0	84.3
	N	2043	24.0	84.9



- 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 4000K, 80 CRI, actual lumens may vary +/-5%
- Use multiplier tables to calculate additional options.

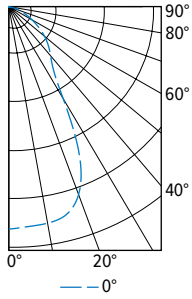
MULTIPLIER TABLES

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
AD	0.85
PD	0.85

PHOTOMETRY

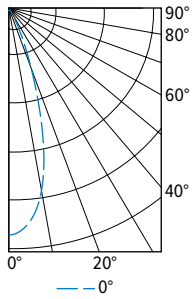
V4DR-L18/8TW-DIM-UNV-LW-OF-WH Total Luminaire Output: 1781 lumens; 24.0 Watts | Efficacy: 74.0 lm/W | 80CRI; 4000K CCT



CANDLEPOWER DISTRIBUTION	VERTICAL ANGLE	HORIZONTAL ANGLE	ZONAL LUMENS
		0°	
	0	1251	
	5	1242	118
	15	1218	341
	25	951	422
	35	443	287
	45	318	245
	55	212	189
	65	114	114
	75	48	52
	85	9	11
	90	0	

LUMEN SUMMARY	ZONE	LUMENS	% FIXTURE
	0 - 40	1169	66
	0 - 60	1603	90
	0 - 90	1781	100
	0-180	1781	100

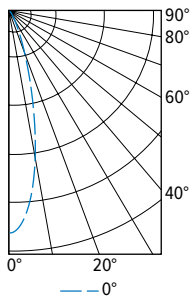
V4DR-L18/8TW-DIM-UNV-LM-OF-WH Total Luminaire Output: 2020 lumens; 24.0 Watts | Efficacy: 84.0 lm/W | 80CRI; 4000K CCT



CANDLEPOWER DISTRIBUTION	VERTICAL ANGLE	HORIZONTAL ANGLE	ZONAL LUMENS
		0°	
	0	5227	
	5	5003	456
	15	3071	821
	25	830	400
	35	217	144
	45	99	78
	55	63	56
	65	39	38
	75	19	20
	85	4	5
	90	0	

LUMEN SUMMARY	ZONE	LUMENS	% FIXTURE
	0-40	1822	90
	0-60	1957	97
	0-90	2020	100
	0-180	2020	100

V4DR-L18/8TW-DIM-UNV-LN-OF-WH Total Luminaire Output: 2033 lumens; 24.0 Watts | Efficacy: 84.5 lm/W | 80CRI; 4000K CCT



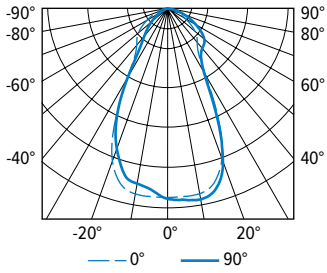
CANDLEPOWER DISTRIBUTION	VERTICAL ANGLE	HORIZONTAL ANGLE	ZONAL LUMENS
		0°	
	0	7636	
	5	6889	598
	15	2939	809
	25	693	337
	35	182	121
	45	86	68
	55	53	47
	65	32	32
	75	16	17
	85	3	4
	90	0	

LUMEN SUMMARY	ZONE	LUMENS	% FIXTURE
	0-40	1865	92
	0-60	1980	97
	0-90	2033	100
	0-180	2033	100



V4DR tunable WHITE 4.5" Vandal-Resistant Downlight – Round

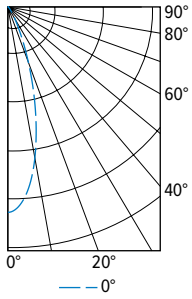
V4DR-L18/8TW-DIM-UNV-AWW-OF-WH Total Luminaire Output: 1385 lumens; 24 Watts | Efficacy: 58 lm/W | 80CRI; 4000K CCT



VERTICAL ANGLE	HORIZONTAL ANGLE					ZONAL LUMENS
	0°	45°	90°	135°	180°	
0	1174	1174	1174	1174	1174	
5	1186	1186	1168	1142	1123	111
15	1142	1115	1105	1078	1033	303
25	656	626	686	723	699	308
35	349	326	319	321	276	206
45	309	288	249	195	162	186
55	243	215	164	111	87	146
65	148	122	80	48	32	85
75	68	49	25	14	13	35
85	13	6	3	4	3	7
90	0	0	1	1	0	

LUMEN SUMMARY	ZONE	LUMENS	% FIXTURE
	0 - 40	927	67
	0 - 60	1260	91
	0 - 90	1385	100
	0 - 180	1385	100

V4DR-L18/8TW-DIM-UNV-RM-OF-WH Total Luminaire Output: 2026 lumens; 24.0 Watts | Efficacy: 84.3 lm/W | 80 CRI; 4000K CCT



VERTICAL ANGLE	HORIZONTAL ANGLE	ZONAL LUMENS
	0°	
0	5842	
5	5445	486
15	3025	821
25	887	424
35	219	146
45	84	67
55	48	43
65	25	25
75	10	11
85	3	3
90	0	

LUMEN SUMMARY	ZONE	LUMENS	% FIXTURE
	0-40	1877	93
	0-60	1987	98
	0-90	2026	100
	0-180	2026	100

CONTROL DETAILS

DIM



DALI



DMX

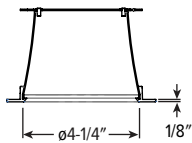


LUTRON T-SERIES

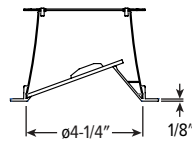


TRIM TYPE DETAILS

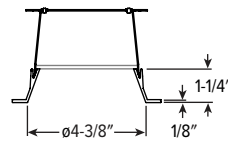
FLUSH



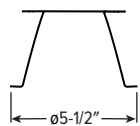
ANGLED



REGRESSED



FLANGE TYPE DETAILS



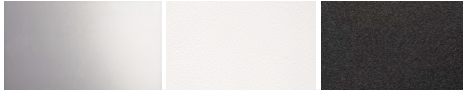
Ceiling Cutout: ø5"



V4DR tunable WHITE 4.5" Vandal-Resistant Downlight – Round

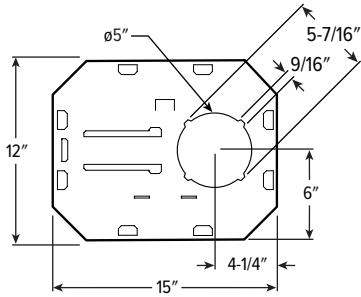
REFLECTOR FINISH DETAILS

CS Clear semi-specular
WH White
BL Black

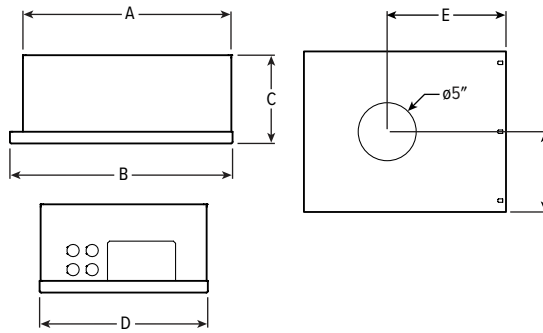


MOUNTING TYPE DETAILS

NEW CONSTRUCTION



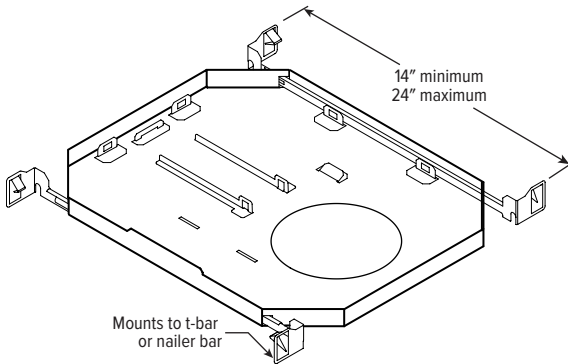
IC-RATED



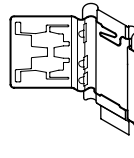
LUMENS	LENGTH					
	A	B	C	D	E	F
L10	15-3/16"	16"	6-3/8"	12-1/8"	9-1/2"	6-1/16"
L18	16-5/8"	17-1/2"	7-7/8"	14"	10-1/4"	7"

MOUNTING HARDWARE DETAILS

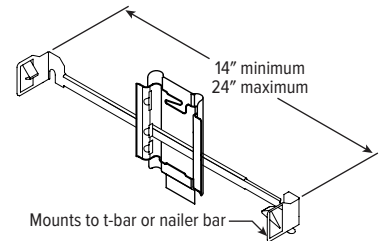
F1 Integral 2-position fixed pan bracket, universal bar hanger included



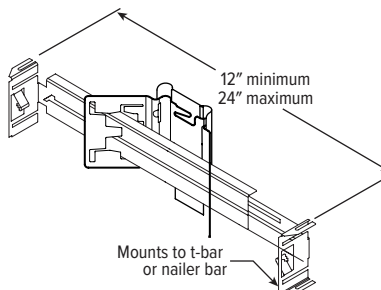
BA1 Adjustable butterfly pan bracket, bar hanger not included (N Mounting Type only)



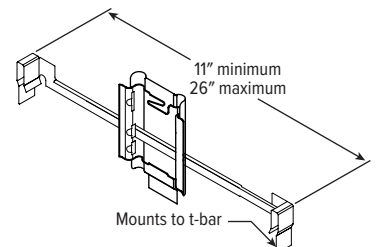
CA1 Adjustable caterpillar pan bracket, universal bar hanger included (N Mounting Type only)



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

