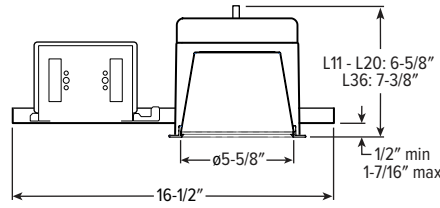


V6DR tunable WHITE 6" Vandal-Resistant Downlight – Round



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 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

ORDERING EXAMPLE: **V6DR - L11/8TW - OPTIONS - DIM - UNV - LW - OF - WH - TRIM OPTIONS - N - F1**

HOUSING

SERIES	LUMENS ^[1]	COLOR	OPTIONS	CONTROL	VOLTAGE
V6DR	L11	1,200lm	ATH Airtight construction	DALI Driver prewired for DALI applications	UNV 120-277V
	L20	2,000lm	CP Chicago plenum (CCEA) ^[2]	DIM Dimming driver with (1) 0-10V signal to control dimming and (1) 0-10V signal to control CCT	
	L36	3,600lm	EM/7W 7-watt emergency battery ^[3] EM/10W 10-watt emergency battery ^[4] F Fuse kit TC Adjustable mounting arms for 1-1/2" – 2-1/4" thick ceilings TP10 T10 torx bit 1/4" drive tamper-resistant tool ^[5]	DMX Driver prewired for DMX applications	

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 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. Remodel kit option includes receiver bracket hardware. Minimum 24" O.C. marked spacing required for L36 lumen package.
- 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.

TRIM

TRIM TYPE	DISTRIBUTION ^[6]	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 ^[12]
R Regressed lens	55° Flush		WH White texture powder coat	IP IP65 rated trim
A Angled lens ^[7]	55° Regressed		BL Black texture powder coat	PD Diffuse 1/8" polycarbonate lens ^[13]
	M Medium ^[8]		MB Black texture splay with white flange ^[14]	WET/CC Wet location, covered ceiling listed
	35° Flush			AM Anti-microbial ^[14]
	35° Regressed			
	N Narrow ^[9]			
	25° Flush			
	25° Regressed			
	WW Wall wash ^[10]			

MOUNTING

MOUNTING TYPE ^[15]	MOUNTING HARDWARE ^[16]
N Open pan for new construction	F1 Integral 2-position fixed pan bracket, universal bar hanger included
I IC-rated enclosure for new construction ^[17]	BA1 Adjustable butterfly pan bracket, bar hanger not included ^[18]
	CA1 Adjustable caterpillar pan bracket, universal bar hanger included ^[19]

NOTES

- Lumen output based on L trim type, W distribution and WH finish, 4000K/80CRI. Actual lumens may vary +/-5%. See page 2 for FIXTURE PERFORMANCE DATA.
- Mounting Type required.
- N Mounting Types only.
- N Mounting Types only.
- Tamper-resistant (TP10) tool must be ordered separately. Please specify quantity required per project.
- Beam angle based on WH reflector finish.
- Available with WW Distribution only.
- Not available with lumen stop L36.
- Not available with lumen stop L36.
- A Trim Type only.
- R Trim Type only.
- Not available with WH Reflector Finish.
- 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.
- L20 lumen package max.
- N Mounting Type only.
- N Mounting Type only.



V6DR tunable WHITE 6" Vandal-Resistant Downlight – Round

FIXTURE PERFORMANCE DATA

FLUSH LENS TRIM TYPE

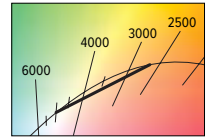
	DIST.	DELIVERED LUMENS	WATTAGE	EFFICACY (lm/W)
L11	W	1135	14.6	78.0
	M	1220	14.6	83.6
	N	1231	14.6	84.5
L20	W	1963	24.0	81.7
	M	2117	24.0	88.0
	N	2128	24.0	88.7
L36	W	3596	44.9	80.2
	M	-	-	-
	N	-	-	-

REGRESSED LENS TRIM TYPE

	DIST.	DELIVERED LUMENS	WATTAGE	EFFICACY (lm/W)
L11	W	1098	14.6	75.5
	M	1183	14.6	81.0
	N	1199	14.6	82.4
L20	W	1900	24.0	79.0
	M	2059	24.0	85.6
	N	2075	24.0	86.3
L36	W	3480	44.9	77.6
	M	-	-	-
	N	-	-	-

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

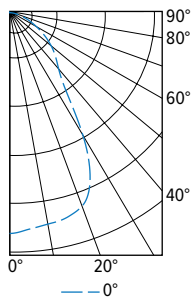


TRIM	
CATALOG NUMBER	CONVERSION FACTOR
AD	0.85
PD	0.85

- 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.

PHOTOMETRY

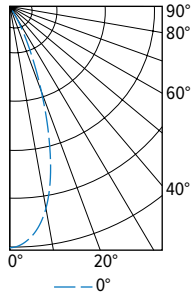
V6DR-L20/8TW-DIM-UNV-LW-OF-WH Total Luminaire Output: 1963 lumens; 24.0 Watts | Efficacy: 81.7 lm/W | 80 CRI; 4000K CCT



CANDLEPOWER DISTRIBUTION	VERTICAL ANGLE	HORIZONTAL ANGLE	ZONAL LUMENS
		0°	
	0	1249	
	5	1229	117
	15	1200	338
	25	1035	465
	35	529	345
	45	354	273
	55	239	213
	65	134	133
	75	59	64
	85	13	16
	90	1	

LUMEN SUMMARY	ZONE	LUMENS	% FIXTURE
	0 - 40	1264	64
	0 - 60	1751	89
	0 - 90	1963	100
	0 - 180	1963	100

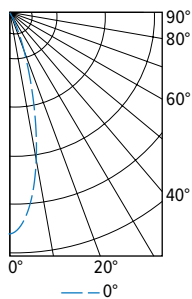
V6DR-L20/8TW-DIM-UNV-LM-OF-WH Total Luminaire Output: 2117 lumens; 24.0 Watts | Efficacy: 88.0 lm/W | 80 CRI; 4000K CCT



CANDLEPOWER DISTRIBUTION	VERTICAL ANGLE	HORIZONTAL ANGLE	ZONAL LUMENS
		0°	
	0	5000	
	5	4803	440
	15	3144	845
	25	976	466
	35	255	169
	45	102	81
	55	61	55
	65	37	36
	75	18	19
	85	4	5
	90	0	

LUMEN SUMMARY	ZONE	LUMENS	% FIXTURE
	0 - 40	1921	91
	0 - 60	2057	97
	0 - 90	2117	100
	0 - 180	2117	100

V6DR-L20/8TW-DIM-UNV-LN-OF-WH Total Luminaire Output: 2128 lumens; 24.0 Watts | Efficacy: 88.7 lm/W | 80 CRI; 4000K CCT



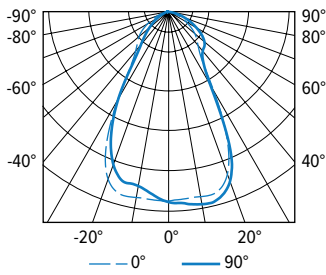
CANDLEPOWER DISTRIBUTION	VERTICAL ANGLE	HORIZONTAL ANGLE	ZONAL LUMENS
		0°	
	0	7963	
	5	7207	626
	15	3095	853
	25	736	358
	35	191	126
	45	87	68
	55	51	46
	65	31	31
	75	15	16
	85	3	4
	90	0	

LUMEN SUMMARY	ZONE	LUMENS	% FIXTURE
	0 - 40	1963	92
	0 - 60	2077	98
	0 - 90	2128	100
	0 - 180	2128	100



V6DR tunable WHITE 6" Vandal-Resistant Downlight – Round

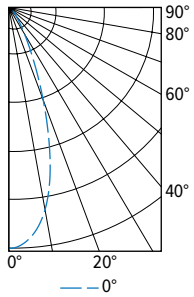
V6DR-L20/8TW-DIM-UNV-AWW-OF-WH Total Luminaire Output: 1462 lumens; 61 Watts | Efficacy: 24 lm/W | 80 CRI; 4000K CCT



CANDLEPOWER DISTRIBUTION	VERTICAL ANGLE	HORIZONTAL ANGLE					ZONAL LUMENS
		0°	45°	90°	135°	180°	
	0	1132	1132	1132	1132	1132	
	5	1145	1142	1123	1099	1088	107
	15	1152	1123	1115	1062	1037	306
	25	833	773	816	819	763	357
	35	362	344	347	362	311	227
	45	300	279	242	198	171	185
	55	426	217	166	113	90	148
	65	154	127	84	50	34	88
	75	73	53	28	14	13	37
	85	15	7	3	4	3	7
	90	0	0	0	1	0	

LUMEN SUMMARY	ZONE	LUMENS	% FIXTURE
	0 - 40	997	68
	0 - 60	1330	91
	0 - 90	1462	100
	0 - 180	1462	100

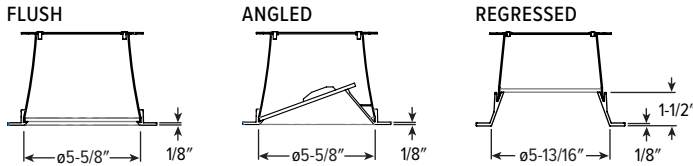
V6DR-L20/8TW-DIM-UNV-RM-OF-WH Total Luminaire Output: 2059 lumens; 24.0 Watts | Efficacy: 85.6 lm/W | 80 CRI; 4000K CCT



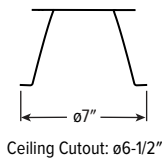
CANDLEPOWER DISTRIBUTION	VERTICAL ANGLE	HORIZONTAL ANGLE	
		0°	ZONAL LUMENS
	0	4983	
	5	4773	437
	15	3084	830
	25	978	465
	35	259	171
	45	88	70
	55	48	43
	65	26	26
	75	11	12
	85	3	4
	90	0	

LUMEN SUMMARY	ZONE	LUMENS	% FIXTURE
	0 - 40	1903	92
	0 - 60	2017	98
	0 - 90	2059	100
	0 - 180	2059	100

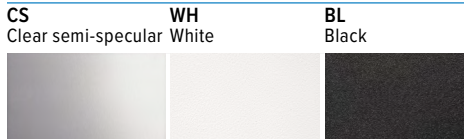
TRIM TYPE DETAILS



FLANGE TYPE DETAILS



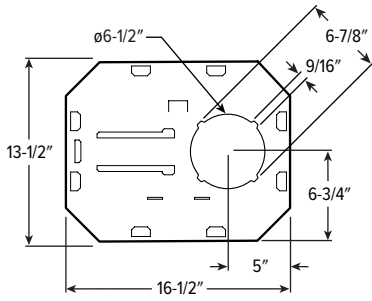
REFLECTOR FINISH DETAILS



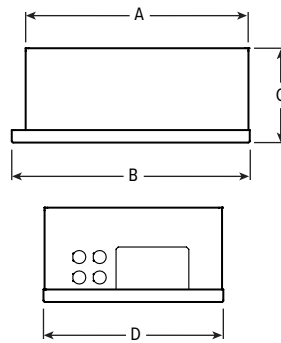
V6DR tunable WHITE 6" Vandal-Resistant Downlight – Round

MOUNTING TYPE DETAILS

NEW CONSTRUCTION



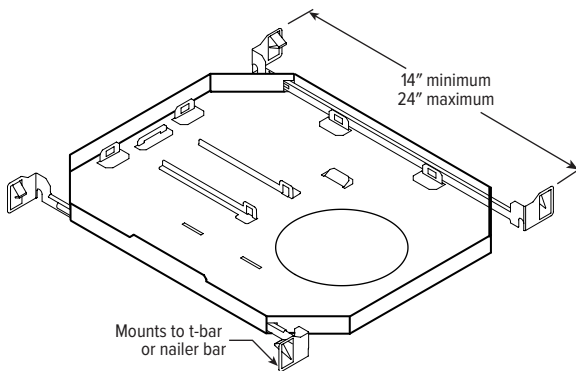
IC-RATED



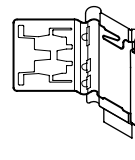
LUMENS	LENGTH			
	A	B	C	D
L11	15-3/16"	16"	6-3/8"	12-1/8"
L20	16-5/8"	17-1/2"	7-7/8"	14"

MOUNTING HARDWARE DETAILS

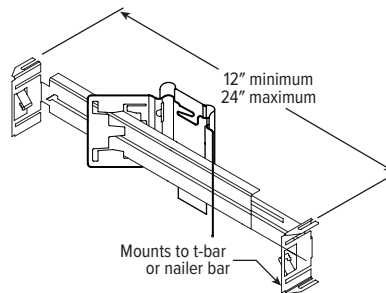
F1 Integral 2-position fixed pan bracket, universal bar hanger included



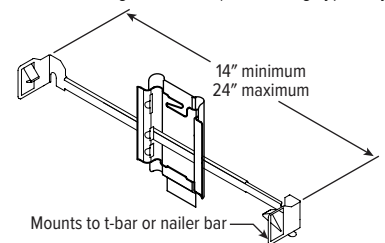
BA1 Adjustable butterfly pan bracket, bar hanger not included (N Mounting Type only)



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)

