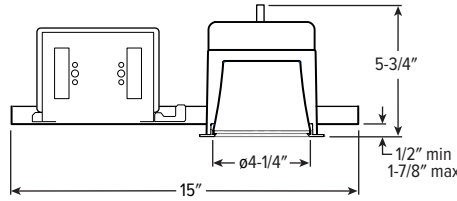
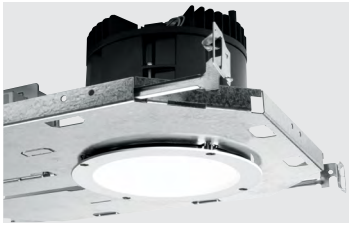


V4DR PoE | tunable **WHITE** 4.5" Vandal-Resistant Downlight – Round



CATALOG #: _____

TYPE: _____

PROJECT: _____

FEATURES

- Create scalable, highly functioning smart buildings with Platformatics Power over Ethernet controls
- Accepted by the New York State Office of Mental Health for use in inpatient facilities
- Ideal for schools, behavioral health facilities, correctional institutions, and other vandal-prone areas
- Anti-ligature design with tamper-resistant fasteners

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. Low-voltage DC fixture, to be fed by Class 2 power supply. 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.
- **WARRANTY** – 5-year limited warranty, see hew.com/warranty.

SYSTEM REQUIREMENTS

- PoE-ready luminaires are connected to building power systems through network integration and require other components for complete PoE lighting system.
- For additional PoE info, see hew.com/poe
- Consult factory for design support.

ORDERING EXAMPLE: V4DR - P23/835 - OPTIONS - POE PR - LW - OF - WH - TRIM OPTIONS - N - F1

HOUSING

SERIES	LUMENS ⁽¹⁾	CRI	CCT	OPTIONS	CONTROL ⁽²⁾
V4DR	P8 800lm	8 80	27 2700K	ATH Airtight construction	POE PR Power over Ethernet, Platformatics-ready
	P12 1,200lm	9 90 ⁽³⁾	30 3000K	CP Chicago plenum (CCEA) ⁽⁴⁾	
	P17 1,700lm		35 3500K	TC Thick ceiling construction ⁽⁵⁾	
	P23 2,300lm		40 4000K		
	P32 3,200lm		50 5000K		
			TW Tunable white (80 CRI, 2700K–5000K)		

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 ⁽¹⁰⁾
R Regressed lens	50° Flush		WH White texture powder coat	IP IP65 rated trim
	50° Regressed		BL Black texture powder coat	PD Diffuse 1/8" polycarbonate lens ⁽¹¹⁾
	M Medium ⁽⁷⁾		MB Black texture splay with white flange ⁽⁹⁾	WET/CC Wet location, covered ceiling listed
	35° Flush			AM Anti-microbial ⁽¹²⁾
	30° Regressed			
	N Narrow ⁽⁸⁾			
	25° Flush			
	25° Regressed			

MOUNTING

MOUNTING TYPE ⁽¹³⁾	MOUNTING HARDWARE ⁽¹⁴⁾
N Open pan for new construction	F1 Integral 2-position fixed pan bracket, universal bar hanger included ⁽¹⁶⁾
I IC-rated enclosure for new construction ⁽¹⁵⁾	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

- Static white lumen output based on L trim type, W distribution and WH finish, 3500K/80CRI. Actual lumens may vary +/-5%, see page 2 for FIXTURE PERFORMANCE DATA.
- See page 4 for NODE CONNECTION DETAILS. For additional PoE info, see hew.com/poe.
- Extended lead times may apply. Consult factory for availability. Not available with Tunable White.
- I Mounting Type required.
- Required for ceiling thicknesses greater than 1-1/4"
- Beam angle based on WH reflector finish.
- Not available with P32 lumen package.
- Not available with P32 lumen package.
- 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 3 for MOUNTING TYPE DETAILS.
- Additional mounting hardware options available. See page 4 for MOUNTING HARDWARE DETAILS.
- P8 and P12 lumen packages only. P17 available, W distribution only.
- 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 PoE | tunable WHITE 4.5" Vandal-Resistant Downlight – Round

FIXTURE PERFORMANCE DATA

STANDARD

FLUSH LENS TRIM TYPE

	DIST.	DELIVERED LUMENS	WATTAGE	EFFICACY (lm/W)
P8	W	823	11.5	71.6
	M	1092	11.5	95.0
	N	1115	11.5	97.0
P12	W	1164	17.5	66.5
	M	1544	17.5	88.2
	N	1578	17.5	90.2
P17	W	1654	23.2	71.3
	M	2195	23.2	94.6
	N	2243	23.2	96.7
P23	W	2277	34.0	67.0
	M	3022	34.0	88.9
	N	3088	34.0	90.8
P32	W	3171	46.6	68.0
	M	-	-	-
	N	-	-	-

TUNABLE WHITE

FLUSH LENS TRIM TYPE

	DIST.	DELIVERED LUMENS	WATTAGE	EFFICACY (lm/W)
P8	W	750	11.6	64.7
	M	995	11.6	85.8
	N	1016	11.6	87.6
P12	W	1195	17.5	68.3
	M	1586	17.5	90.6
	N	1620	17.5	92.6
P17	W	1597	22.6	70.7
	M	2119	22.6	93.8
	N	2165	22.6	95.8
P23	W	2331	34.6	67.4
	M	3093	34.6	89.4
	N	3160	34.6	91.3
P32	W	2781	42.5	65.4
	M	-	-	-
	N	-	-	-

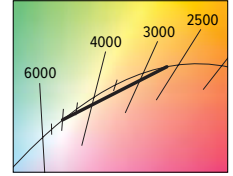
MULTIPLIER TABLES

	COLOR TEMPERATURE		
	CCT	LUMENS	
		STANDARD	TUNABLE WHITE
80 CRI	2700K	0.92	0.83
	3000K	0.98	1.00
	3500K	1.00	0.99
	4000K	1.01	1.00
	5000K	1.02	0.98

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

TRIM	
CATALOG NUMBER	CONVERSION FACTOR
PD	0.85

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



- Photometrics tested in accordance with IESNA LM-79. Results shown are based on 25°C ambient temperature.
- Standard results based on 3500K/80 CRI, actual lumens may vary +/-5%
- Tunable white results based on 4000K/80 CRI, actual lumens may vary +/-5%
- Use multiplier tables to calculate additional options.

REGRESSED LENS TRIM TYPE

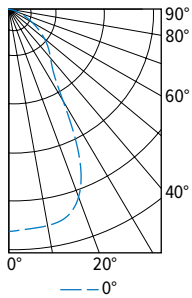
	DIST.	DELIVERED LUMENS	WATTAGE	EFFICACY (lm/W)
P8	W	806	11.5	70.1
	M	1093	11.5	95.0
	N	1077	11.5	93.7
P12	W	1140	17.5	65.1
	M	1546	17.5	88.3
	N	1524	17.5	87.1
P17	W	1620	23.2	69.8
	M	2198	23.2	94.7
	N	2166	23.2	93.4
P23	W	2230	34.0	65.6
	M	3026	34.0	89.0
	N	2982	34.0	87.7
P32	W	3106	46.6	66.7
	M	-	-	-
	N	-	-	-

REGRESSED LENS TRIM TYPE

	DIST.	DELIVERED LUMENS	WATTAGE	EFFICACY (lm/W)
P8	W	734	11.6	63.3
	M	996	11.6	85.9
	N	981	11.6	84.6
P12	W	1170	17.5	66.9
	M	1588	17.5	90.7
	N	1565	17.5	89.4
P17	W	1564	22.6	69.2
	M	2121	22.6	93.8
	N	2091	22.6	92.5
P23	W	2283	34.6	66.0
	M	3097	34.6	89.5
	N	3052	34.6	88.2
P32	W	2723	42.5	64.1
	M	-	-	-
	N	-	-	-

PHOTOMETRY

V4DR-P23/835-POE PR-LW-OF-WH Total Luminaire Output: 2277 lumens; 34 Watts | Efficacy: 67.0 lm/W | 80CRI; 3500K CCT

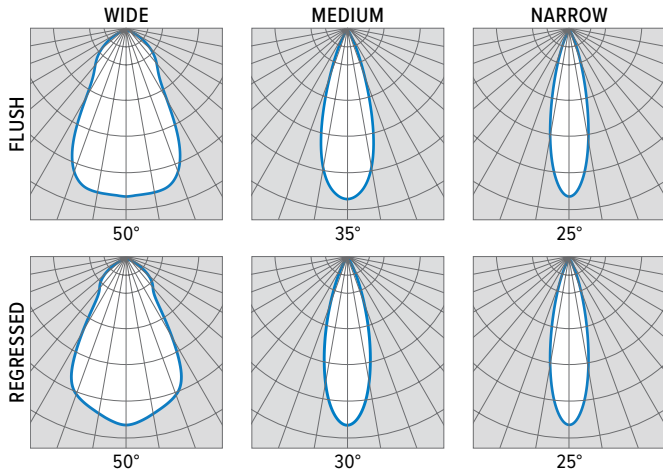


CANDLEPOWER DISTRIBUTION	VERTICAL ANGLE	HORIZONTAL ANGLE	ZONAL LUMENS
		0°	
	0	1600	
	5	1589	152
	15	1558	436
	25	1216	539
	35	566	367
	45	407	313
	55	271	242
	65	146	146
	75	62	67
	85	11	14
	90	0	

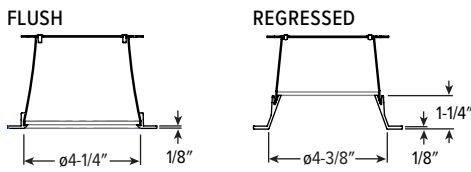
LUMEN SUMMARY	ZONE	LUMENS	% FIXTURE
	0 - 40	1495	66
	0 - 60	2050	90
	0 - 90	2277	100
	0-180	2277	100



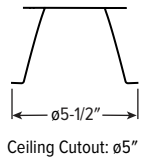
V4DR PoE | tunable **WHITE** 4.5" Vandal-Resistant Downlight – Round



TRIM TYPE DETAILS

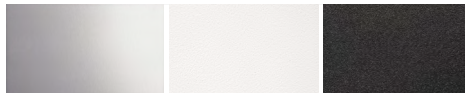


FLANGE TYPE DETAILS



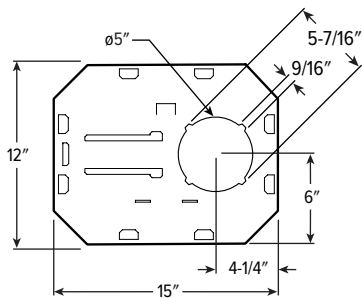
REFLECTOR FINISH DETAILS

CS Clear semi-specular
WH White
BL Black

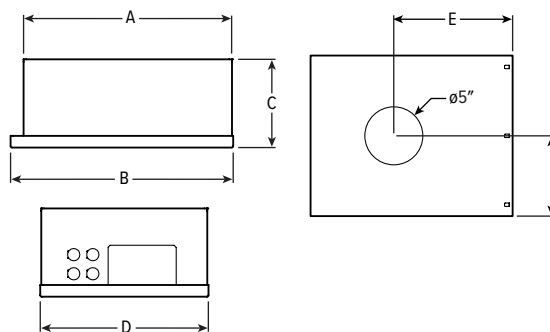


MOUNTING TYPE DETAILS

NEW CONSTRUCTION



IC-RATED



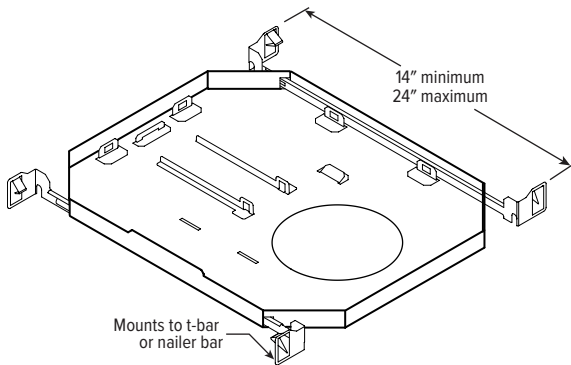
LUMENS	LENGTH					
	A	B	C	D	E	F
P8	15-3/16"	16"	6-3/8"	12-1/8"	9-1/2"	6-1/16"
P17	16-5/8"	17-1/2"	7-7/8"	14"	10-1/4"	7"



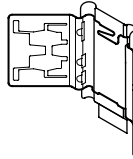
V4DR PoE | tunable **WHITE** 4.5" Vandal-Resistant Downlight – Round

MOUNTING HARDWARE DETAILS

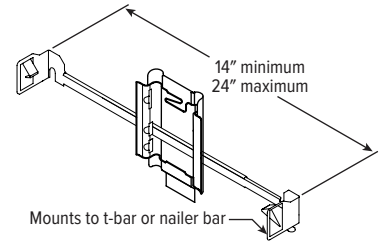
F1 Integral 2-position fixed pan bracket, universal bar hanger included



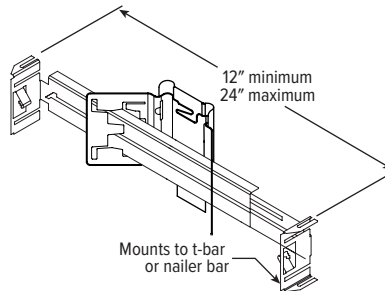
BA1 Adjustable butterfly pan bracket, bar hanger not included (N Mounting Type only)



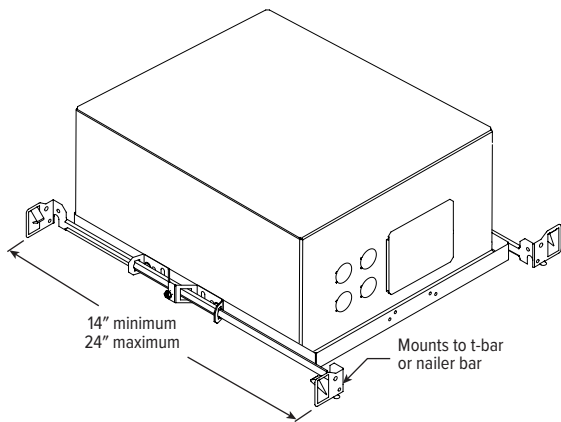
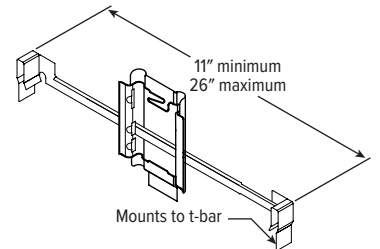
CA1 Adjustable caterpillar pan bracket, universal bar hanger included (N Mounting Type only)



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

NODE CONNECTION DETAILS

Includes 24" cable with 4-position mating connector for Platformatics POE-LN2 node. See node spec sheet for details: platformatics.com/product/poe-ln2

