

CATALOG #: _____

TYPE: _____

PROJECT: _____

NEW CONSTRUCTION AND REMODEL

FEATURES

TrimLock®

- Create scalable, highly functioning smart buildings with Platformatics Power over Ethernet controls

SPECIFICATIONS

- HOUSING** – Spun housing with forged aluminum heat sink. Galvanized steel splice compartment with driver mounting plate/enclosure. Mounting clips allow for ceiling thickness from 1/2"– 1-1/4" (consult factory for additional ceiling thicknesses).
- TRIMLOCK** – Innovative TrimLock reflector retention system ensures the trim remains flush with the ceiling plane.
- LENSED TRIM** – Die-cast aluminum frame with micro-prismatic, acrylic lens.
- 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. Remodel kit option includes receiver bracket hardware. Minimum 24" O.C. marked spacing required for P41 and P54 lumen packages.
- 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.

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: 6PR - TL - P98/835 - OPTIONS - POE PR - LW - OF - WH - TRIM OPTIONS - N - F1
 HOUSING TRIM MOUNT.

HOUSING

SERIES	LUMENS ^[1]	CRI	CCT	OPTIONS	CONTROL ^[2]
6PR - TL	P15 1,500lm	8 80	27 2700K	ATH Airtight construction	POE PR Power over Ethernet,
TrimLock	P29 2,900lm	9 90 ^[4]	30 3000K	CP Chicago plenum (CCEA) ^[5]	Platformatics-ready
	P41 4,100lm		35 3500K		
	P54 5,400lm ^[3]		40 4000K		
			50 5000K		
			TW Tunable white (80 CRI, 2700K–5000K)		

TRIM ^[6]

TRIM TYPE	DISTRIBUTION ^[7]	FLANGE TYPE	REFLECTOR FINISH	TRIM OPTIONS
L Flush lens	W 85° Wide	OF 1/2" standard flange	CS Clear semi-specular powder coat	IP IP65 rated trim
A Angled lens ^[8]	M 35° Medium ^[10]	SF 1/4" mud-in flange ^[12]	WH White texture powder coat	AD Diffuse acrylic lens ^[13]
S Non-conductive flush lens for shower applications ^[9]	N 25° Narrow ^[11]		BL Black texture powder coat	PD Diffuse 1/8" polycarbonate lens ^[14]
				WET/CC Wet location, covered ceiling listed ^[15]
				AM Anti-microbial ^[16]

MOUNTING

MOUNTING TYPE ^[17]

- N Open pan for new construction
- I IC-rated enclosure for new construction ^[19]
- R Remodel kit ^[20]

MOUNTING HARDWARE ^[18]

- F1 Integral 2-position fixed pan bracket, universal bar hanger included ^[21]
- BA1 Adjustable butterfly pan bracket, bar hanger not included ^[22]
- CA1 Adjustable caterpillar pan bracket, universal bar hanger included ^[23]

NOTES

- Static white lumen output based on L trim type, W distribution and WH finish, 80 CRI, 3000K for single CCT and 4000K for TW. Actual lumens may vary +/-5%. See page 2 for FIXTURE PERFORMANCE DATA.
- See page 5 for NODE CONNECTION DETAILS. For additional PoE info, see hew.com/poe.
- Not available with Tunable White. N Mounting Type only.
- Extended lead times may apply. Consult factory for availability. Not available with Tunable White.
- I Mounting Type required. P29 lumen package max.
- Trim ships separately.
- Beam angle based on WH reflector finish.
- Wide distribution only. Diffuse acrylic lens standard.
- W Distribution, OF Flange Type, and WH Reflector Finish only. Standard with AD diffuse acrylic lens. IP and WET/CC options standard.
- Not available with lumen stop P54 or tunable white P41.
- Not available with lumen stop P54 or tunable white P41.
- For use with mud-in plaster construction only, supplied with mud flange installation kit. See page 3 for FLANGE TYPE DETAILS. Not available with ATH or IP options.
- L Trim Type only. W distribution only.
- W distribution only.
- Not available with PD trim option.
- WH and BL Reflector Finishes only. Not available with S Trim Type.
- Mounting hardware required (N and I only), 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.
- P15 and P29 lumen packages only.
- Also used in new construction sheetrock ceilings. P29 lumen package max.
- N and I Mounting Types only. I Mounting requires external brackets.
- N Mounting Type only.
- N Mounting Type only.

6PR PoE | tunable WHITE

6" Shallow Plenum Downlight – Round

FIXTURE PERFORMANCE DATA

STANDARD

	DISTRIBUTION	DELIVERED LUMENS	WATTAGE	EFFICACY (lm/W)
P15	W	1459	12.3	118.6
	M	1480	12.3	120.3
	N	1493	12.3	121.4
P29	W	2888	25.0	115.5
	M	2928	25.0	117.0
	N	2957	25.0	118.3
P41	W	4131	37.5	110.1
	M	4150	37.5	110.7
	N	4044	37.5	107.8
P54	W	5434	50.0	108.7
	M	-	-	-
	N	-	-	-

- 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.

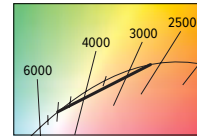
TUNABLE WHITE

	DISTRIBUTION	DELIVERED LUMENS	WATTAGE	EFFICACY (lm/W)
P15	W	910	12.3	74.0
	M	875	12.3	71.1
	N	844	12.3	68.6
P29	W	1912	25.0	76.5
	M	1838	25.0	73.5
	N	1772	25.0	70.9
P41	W	3265	43.5	75.1
	M	-	-	-
	N	-	-	-

MULTIPLIER TABLES

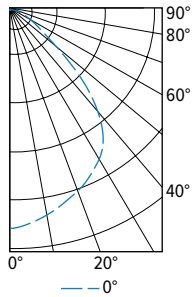
	COLOR TEMPERATURE		
	CCT	LUMENS	
		STANDARD	TUNABLE WHITE
80 CRI	2700K	0.92	0.83
	3000K	0.98	1.00
	3500K	1.00	0.99
	4000K	1.01	1.00
	5000K	1.02	0.98
90 CRI	2700K	0.76	-
	3000K	0.79	-
	3500K	0.82	-
	4000K	0.84	-
	5000K	0.88	-

TRIM	
CATALOG NUMBER	CONVERSION FACTOR
S	0.85
AD	0.85
PD	0.85



PHOTOMETRY

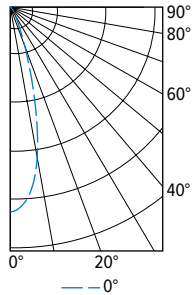
6PR-TL-P29/835-POE PR-LW-OF-WH Total Luminaire Output: 2888 lumens; 25.0 Watts | Efficacy: 115.5 lm/W | 80 CRI; 3500K CCT



CANDLEPOWER DISTRIBUTION	VERTICAL ANGLE	HORIZONTAL ANGLE	ZONAL LUMENS
		0°	
	0	1529	
	5	1502	142
	15	1406	397
	25	1293	596
	35	1124	695
	45	727	552
	55	291	272
	65	145	146
	75	66	71
	85	15	18
	90	1	

LUMEN SUMMARY	ZONE	LUMENS	% FIXTURE
	0 - 40	1830	63
	0 - 60	2653	92
	0 - 90	2888	100
	0 - 180	2888	100

6PR-TL-P29/835-POE PR-LM-OF-WH Total Luminaire Output: 2928 lumens; 25.0 Watts | Efficacy: 117.0 lm/W | 80 CRI; 3500K CCT



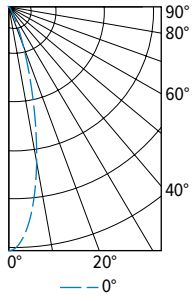
CANDLEPOWER DISTRIBUTION	VERTICAL ANGLE	HORIZONTAL ANGLE	ZONAL LUMENS
		0°	
	0	6736	
	5	6473	594
	15	4238	1139
	25	1340	639
	35	398	261
	45	175	138
	55	91	83
	65	47	47
	75	22	23
	85	4	5
	90	0	

LUMEN SUMMARY	ZONE	LUMENS	% FIXTURE
	0 - 40	2632	90
	0 - 60	2853	97
	0 - 90	2928	100
	0 - 180	2928	100



6PR PoE | tunable **WHITE** 6" Shallow Plenum Downlight – Round

6PR-TL-P29/835-POE PR-LN-OF-WH Total Luminaire Output: 2957 lumens; 25.0 Watts | Efficacy: 118.3 lm/W | 80 CRI; 3500K CCT



CANDLEPOWER DISTRIBUTION	VERTICAL ANGLE	HORIZONTAL ANGLE 0°	ZONAL LUMENS
	0	10919	
5	9871		856
15	4231		1164
25	1008		490
35	278		183
45	140		110
55	86		77
65	48		48
75	21		23
85	4		5
90	1		

LUMEN SUMMARY	ZONE	LUMENS	% FIXTURE
	0 - 40	2694	91
	0 - 60	2881	97
	0 - 90	2957	100
	0 - 180	2957	100

TRIMLOCK DETAILS

TWIST



PULL

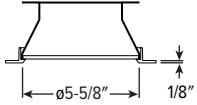


RELEASE

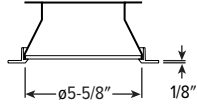


TRIM TYPE DETAILS

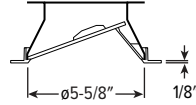
FLUSH



SHOWER

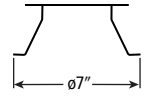


ANGLED



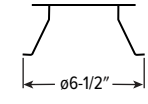
FLANGE TYPE DETAILS

1/2" STANDARD



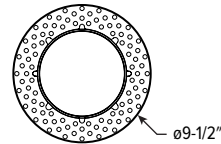
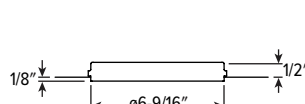
Ceiling Cutout: $\phi 6-1/2"$

1/4" MUD-IN



Ceiling cutout: $\phi 6-3/4"$

MUD FLANGE MOUNTING KIT (SLIM FLANGE TYPE)



REFLECTOR FINISH DETAILS

CS

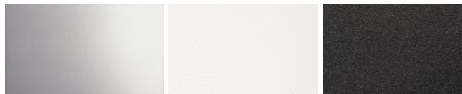
Clear semi-specular

WH

White

BL

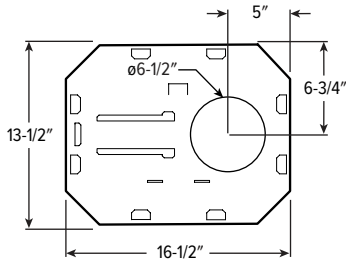
Black



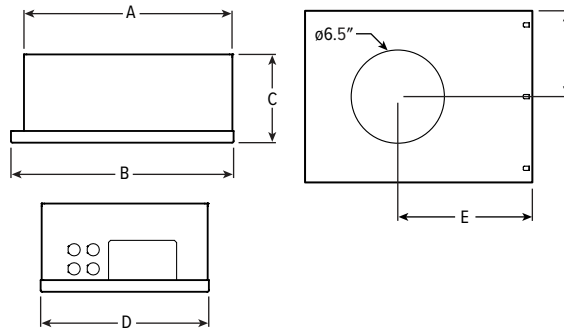
6PR PoE | tunable WHITE 6" Shallow Plenum Downlight – Round

MOUNTING TYPE DETAILS

NEW CONSTRUCTION

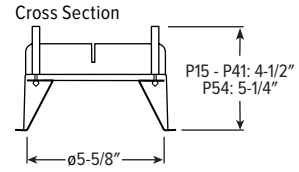


IC-RATED

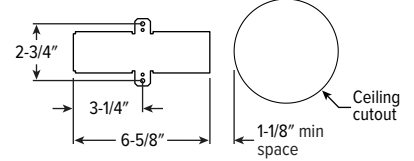


LUMENS	LENGTH					
	A	B	C	D	E	F
P15	15-1/16"	16"	4-1/2"	12-1/8"	9-1/2"	6"
P29	15-3/16"	16"	6-3/8"			

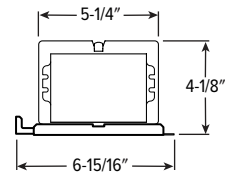
REMODEL



Receiver Bracket

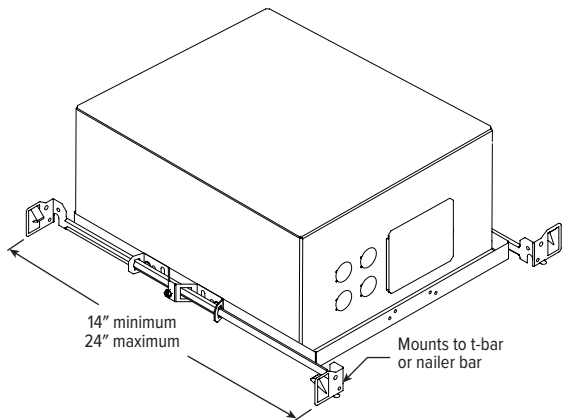
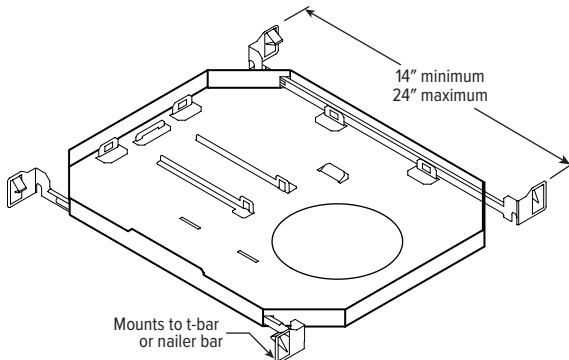


Driver and Junction Box



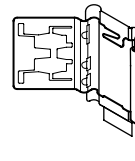
MOUNTING HARDWARE DETAILS

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

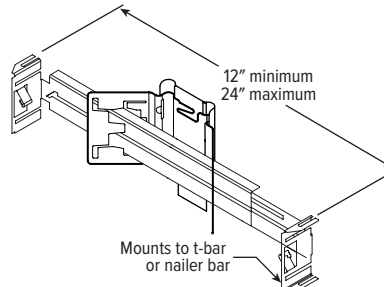


F1 with I Mounting Type

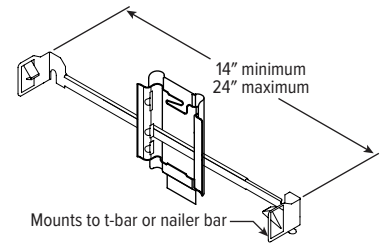
BA1 Adjustable butterfly pan bracket, bar hanger not included (N Mounting Type only)



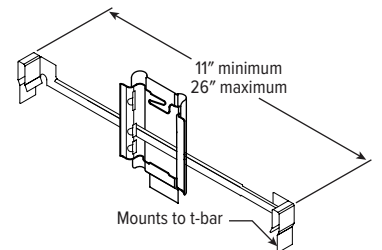
BA2 Adjustable butterfly pan bracket, heavy-duty universal bar hanger included (N Mounting Type only)



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)



6PR PoE | tunable WHITE 6" Shallow Plenum Downlight – Round

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

