

CATALOG #: _____

TYPE: _____

PROJECT: _____

NEW CONSTRUCTION AND REMODEL

FEATURES

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

SPECIFICATIONS

- **HOUSING** – Die-cast aluminum spun and stamped articulating mechanism with forged aluminum heat sink. Mounting clips allow for ceiling thickness from 1/2" – 13/16".
- **LENSED TRIM** – Die-cast aluminum frame with micro-prismatic, acrylic lens.
- **ELECTRICAL** – High-performance Class 2 C.O.B. LED array. Modular quick-connect plug for easy field-connection of LED light assembly to node. Reported L70>55,000 hours. Reported L90>55,000 hours. Estimated L70 = 200,000 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. N and R mounting types for use in non-fire rated installations only. Minimum 17" O.C. marked spacing required for P11 and P13 static white and P7 and P9 tunable white lumen packages when specified with R Mounting Type. Nodes cannot be mounted above hard ceilings
- **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.
 - 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: 2AS - L15/835 - OPTIONS - POE PR - LW - OF - CS - TRIM OPTIONS - N - F1

HOUSING

SERIES	LUMENS ^[1]	CRI	CCT	OPTIONS	CONTROL ^[2]
2AS	P5 500lm	8 80 ^[3]	27 2700K	ATH Airtight construction	POE PR Power over Ethernet, Platformatics-ready
	P7 700lm	9 90 ^[4]	30 3000K	CP Chicago plenum (CCEA) ^[6]	
	P9 900lm		35 3500K		
	P11 1,100lm		40 4000K		
	P13 1,300lm		50 5000K		
			TW Tunable white (90 CRI, 2700K-5000K) ^[5]		

TRIM^[7]

TRIM TYPE	DISTRIBUTION ^[8]	FLANGE TYPE	REFLECTOR FINISH	TRIM OPTIONS
L Flush lens	W 35° Wide	OF 1/2" standard flange	CS Clear semi-specular powder coat	AD Diffuse acrylic lens ^[11]
R Regressed lens	M 20° Medium	ZF Zero-flange mud-in ^[10]	WH White texture powder coat	PD Diffuse 1/8" polycarbonate lens
	N 15° Narrow ^[9]		BL Black texture powder coat	WET/CC Wet location, covered ceiling listed ^[12]
				AM Anti-microbial ^[13]

MOUNTING

MOUNTING TYPE^[14]

- N Open pan for new construction
- I IC-rated enclosure for new construction^[16]
- R Remodel kit^[17]

MOUNTING HARDWARE^[15]

- F1 Integral 2-position fixed pan bracket, universal bar hanger included^[18]
- BA1 Adjustable butterfly pan bracket, bar hanger not included^[19]
- CA1 Adjustable caterpillar pan bracket, universal bar hanger included^[20]

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/platformatics.
- Consult factory for design support



NOTES

- 1 Lumen output based on L trim type, W distribution and WH finish, 3500K/80 CRI for single CCT and 4000K/90 CRI for TW. Actual lumens may vary +/-5%, see page 2 for FIXTURE PERFORMANCE DATA
- 2 See page 4 for NODE CONNECTION DETAILS. For additional PoE info, see hew.com/platformatics.
- 3 Not available with tunable white.
- 4 Extended lead times may apply for single CCT. Consult factory for availability.
- 5 P9 lumen package max with W and M Distributions. P7 lumen package max with N Distribution.
- 6 I Mounting Type required.
- 7 Trim ships separately.
- 8 Beam angle based on static white, L Trim Type and WH Reflector Finish. Trim Type affects beam angle. See page 2 for FIXTURE PERFORMANCE DATA.
- 9 P11 static white and P9 tunable white lumen packages max when specified with N and R Mounting Types. P7 static white lumen package max when specified with I Mounting Type. Tunable White not available with I Mounting Type.
- 10 For use with mud-in plaster construction only, supplied with mud flange installation kit. See page 3 for TRIM TYPE DETAILS. Not available with ATH or WET/CC options.
- 11 W distribution only.
- 12 Not available with PD trim option.
- 13 WH and BL Reflector Finishes only.
- 14 Mounting hardware required (N and I only), ordered separately, see MOUNTING HARDWARE ordering info. See page 3 for MOUNTING TYPE DETAILS.
- 15 Additional mounting hardware options available. See page 4 for MOUNTING HARDWARE DETAILS.
- 16 P9 static white and P5 tunable white lumen packages max.
- 17 Also used in new construction sheetrock ceilings. Pan-less installation.
- 18 N and I Mounting Types only. I Mounting requires external brackets.
- 19 N Mounting Type only.
- 20 N Mounting Type only.

2AS PoE | tunable WHITE

2" Adjustable Downlight – Square

FIXTURE PERFORMANCE DATA

STATIC WHITE

	DISTRIBUTION	WATTAGE	FLUSH LENS TRIM TYPE		REGRESSED LENS TRIM TYPE	
			DELIVERED LUMENS	EFFICACY (lm/W)	DELIVERED LUMENS	EFFICACY (lm/W)
P5	W	5.4	503	93	480	89
	M	5.4	408	75	372	69
	N	5.4	463	86	449	83
P7	W	7.6	661	87	631	83
	M	7.6	535	70	488	64
	N	7.6	608	80	589	78
P9	W	11.1	885	80	845	76
	M	11.1	717	65	654	59
	N	11.1	814	73	789	71
P11	W	15.3	1081	71	1031	67
	M	15.3	875	57	798	52
	N	15.3	994	65	913	60
P13	W	22.7	1304	57	1244	55
	M	22.7	1056	47	963	42
	N	-	-	-	-	-

TUNABLE WHITE

	DISTRIBUTION	WATTAGE	FLUSH LENS TRIM TYPE		REGRESSED LENS TRIM TYPE	
			DELIVERED LUMENS	EFFICACY (lm/W)	DELIVERED LUMENS	EFFICACY (lm/W)
P5	W	10.4	503	48	480	46
	M	10.4	464	45	423	41
	N	10.4	448	43	434	42
P7	W	15.9	693	44	662	42
	M	15.9	639	40	583	37
	N	15.9	616	39	598	38
P9	W	21.2	809	38	772	36
	M	21.2	745	35	680	32
	N	-	-	-	-	-
P11	W	-	-	-	-	-
	M	-	-	-	-	-
	N	-	-	-	-	-
P13	W	-	-	-	-	-
	M	-	-	-	-	-
	N	-	-	-	-	-

MULTIPLIER TABLES

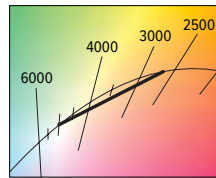
	COLOR TEMPERATURE		
	CCT	LUMENS	
		STANDARD	TUNABLE WHITE
80 CRI	2700K	0.92	-
	3000K	0.98	-
	3500K	1.00	-
	4000K	1.01	-
	5000K	1.02	-
90 CRI	2700K	0.76	0.87
	3000K	0.79	0.96
	3500K	0.82	1.02
	4000K	0.84	1.00
	5000K	0.88	1.02

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

TRIM OPTIONS	
CATALOG NUMBER	CONVERSION FACTOR
AD	0.85
PD	0.85

BEAM ANGLE

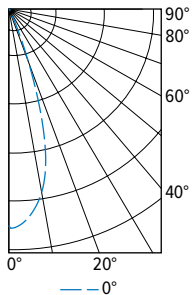
	TRIM TYPE			
	STATIC WHITE		TUNABLE WHITE	
	FLUSH	REGRESSED	FLUSH	REGRESSED
W	35°	35°	40°	40°
M	20°	20°	30°	30°
N	15°	15°	20°	20°



- 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/90 CRI, actual lumens may vary +/-5%
- Wattage and efficacy data shown do not account for node losses.
- Beam angle based on static white, L Trim Type and WH Reflector Finish.
- Use multiplier tables to calculate additional options.

PHOTOMETRY

2AS-P11/835-POE PR-LW-OF-WH 0° TILT Total Luminaire Output: 1081 lumens; 15.3 Watts | Efficacy: 71 lm/W | 80 CRI; 3500K CCT



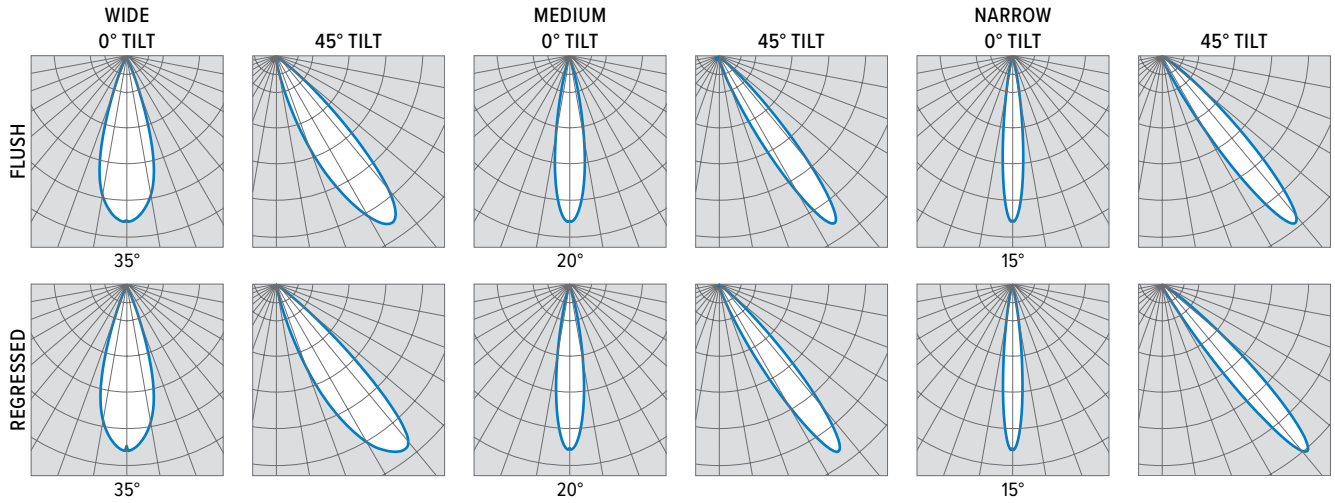
CANDLEPOWER DISTRIBUTION	VERTICAL ANGLE	HORIZONTAL ANGLE	ZONAL LUMENS
		0°	
	0	3234	
	5	3139	284
	15	1972	529
	25	164	173
	35	27	25
	45	22	19
	55	22	20
	65	19	18
	75	11	11
	85	3	3
	90	0	

LUMEN SUMMARY	ZONE	LUMENS	% FIXTURE
	0 - 40	1010	93
	0 - 60	1048	97
	0 - 90	1081	100
	0-180	1081	100



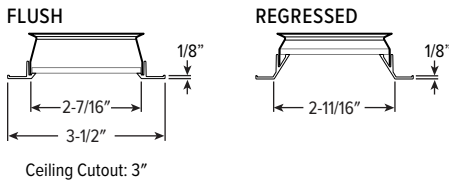
2AS PoE | tunable WHITE

2" Adjustable Downlight – Square

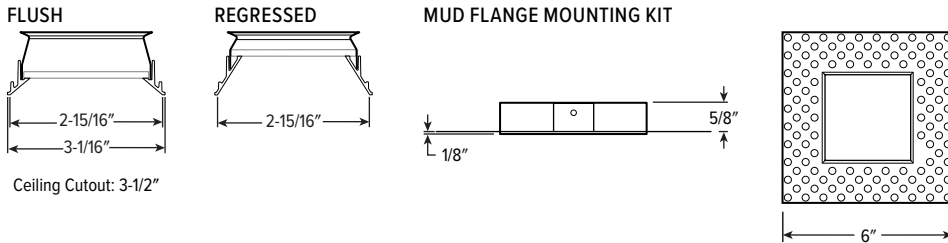


TRIM TYPE DETAILS

1/2" STANDARD FLANGE TYPE

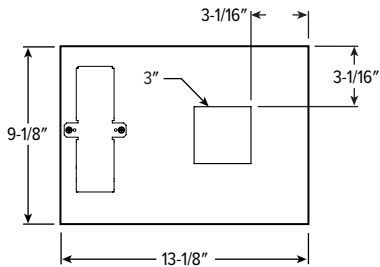


ZERO-FLANGE MUD-IN

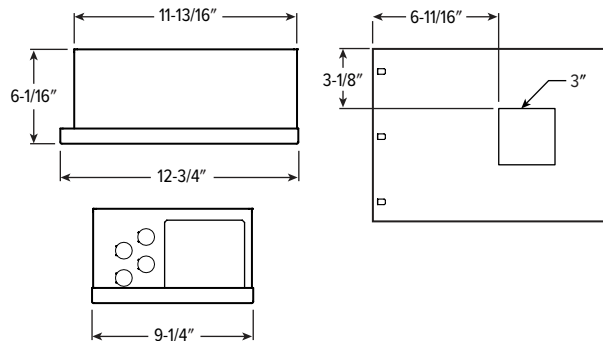


MOUNTING TYPE DETAILS

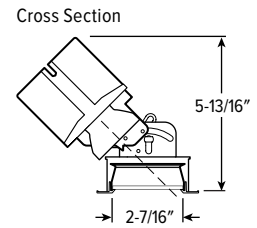
NEW CONSTRUCTION



IC-RATED



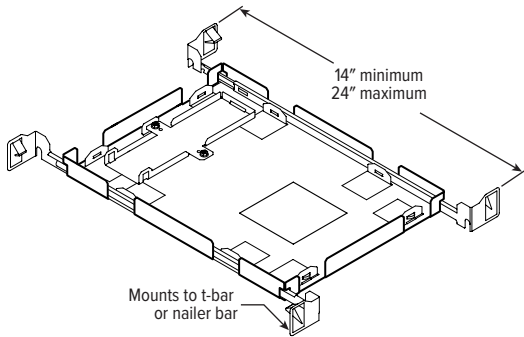
REMODEL



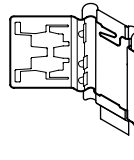
2AS PoE | tunable WHITE 2" Adjustable Downlight – Square

MOUNTING HARDWARE DETAILS

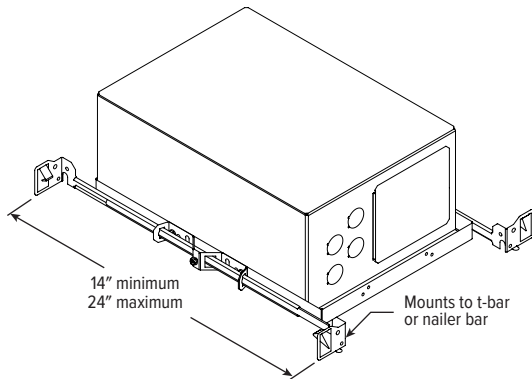
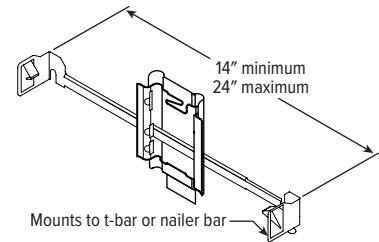
F1 Integral 2-position fixed pan bracket, universal bar hanger included



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

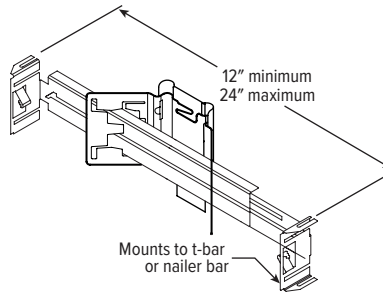


CA1 Adjustable caterpillar pan bracket, universal bar hanger included (N Mounting Type only)

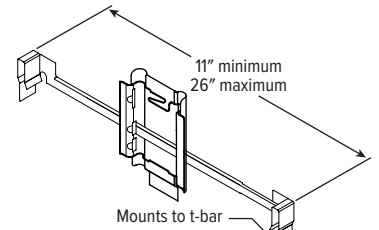


F1 with I Mounting Type

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

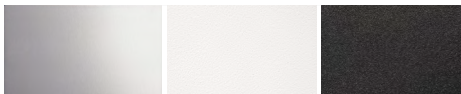


CA2 Adjustable caterpillar pan bracket, t-bar hanger included (N Mounting Type only)



REFLECTOR FINISH DETAILS

CS Clear semi-specular
WH White
BL Black



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

