





NEW CONSTRUCTION AND REMODEL

FEATURES

Deliver scalable, datadriven smart buildings with PoE-enabled fixtures and controls



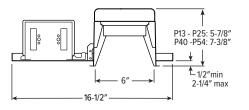
SPECIFICATIONS

- HOUSING Die-cast aluminum trim housing with forged aluminum heat sink. Galvanized steel splice compartment with driver mounting plate/enclosure. Swingout mounting arms field adjust for ceiling thickness from 1/2" – 2-1/4".

 OPEN REFLECTOR – Low-iridescent
- anodized aluminum.
- 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.
- 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.
 - Complies with the Buy American Act and other federal regulations. Request certification at hew.com/baa.
- 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



CATALOG #: TYPF. PROJECT: _

ORDERING EXAMPLE: 6DS - P25/835 - OPTIONS - POE PR - LW - OF - WH - TRIM OPTIONS – HOUSING – ___ TRIM ___ MOUNT.

HOUSING

SERIES	LUMENS [1]	CRI	CCT	OPTIONS	CONTROL [2]
6DS	P13 1,300lm P25 2,500lm P40 4,000lm P54 5,400lm [3]	8 80 9 90 ^[4]	27 2700K 30 3000K 35 3500K 40 4000K 50 5000K TW Tunable white (80 CRI, 2700K–5000K)	ATH Airtight construction CP Chicago plenum (CCEA) [5]	POE PR Power over Ethernet-ready

TDIM [6]

TRIM TYPE	DIS	TRIBUTION [7]	FLANGE TYPE	REFLI	ECTOR FINISH	TRIM O	PTIONS
O Open reflector L Flush lens R Regressed lens A Angled lens [8]	W M	Wide 55° Open 65° Flush 65° Regressed Medium ^[9] 50° Open 35° Flush 35° Regressed Narrow ^[10] 45° Open 25° Flush	PLANGE TYPE OF 1/2" standard flange SF 1/4" mud-in flange [12]	Open CS SG GD CG PW SPC RG	trim types Clear semi-specular anodize Satin-glow anodize Gold anodize Champagne gold anodize Pewter anodize Clear specular anodize Rose gold anodize rim types	MWT IP AD PD	Textured white trim flange [¹³] IP65 rated trim [¹⁴] Diffuse acrylic lens [¹⁵] Diffuse 1/8" polycarbonate lens [¹⁶] Wet location, covered ceiling listed [¹⁷] Anti-microbial [¹⁸]
	ww	25° Regressed Wall wash [11]		CS WH BL MB	Clear semi-specular pow White texture powder co Black texture powder co Black texture splay with	at at	ge ⁽¹⁹⁾

MOUNTING

MOUNTING TYPE [20]

N Open pan for new construction

- I IC-rated enclosure for new construction [22]
- R Remodel kit [23]

MOUNTING HARDWARE [21]

- F1 Integral 2-position fixed pan bracket, universal bar hanger included [24]
- BA1 Adjustable butterfly pan bracket, bar hanger not included [25]
- CA1 Adjustable caterpillar pan bracket, universal bar hanger included [26]

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.

- For additional POE connection details, consult factory.

 N Mounting Type only. W distribution only.

 Extended lead times may apply. Consult factory for availability. Not available with Tunable White.
- I Mounting Type required.
- Trim ships separately.

- Firm snips separately.

 Beam angle based on CS or WH reflector finish.

 Available with WW Distribution only.

 Not available with P54 or tunable white P40, P54 lumen stops.

 Not available with P54 or tunable white P40, P54 lumen stops.
- O and A Trim Types only.
- 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.
- Not available with WH Reflector Finish or L Trim Type.

- 14 L and R trim types only.
- 15 Not available with O trim type. W and WW distributions only.
 16 Not available with O trim type. W and WW distributions only.
 17 Not available with O Trim Type. Not available with PD trim
- WH and BL Reflector Finishes only.
- 19 R Trim Type only. Not available with MWT.
 20 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 5 for MOUNTING HARDWARE DETAILS.
- ²² P13 and P25 lumen packages only.
- Also used in new construction sheetrock ceilings. Pan-less installation. P13 and P25 lumen packages only.
 Nand I Mounting Types only. I Mounting requires external in the packages.
- brackets.
- N Mounting Type only.
 N Mounting Type only.



FIXTURE PERFORMANCE DATA

STANDARD

OPEN REFLECTOR TRIM TYPE

	DISTRIBUTION	DELIVERED LUMENS	WATTAGE	EFFICACY (Im/W)
	W	1238	12.3	101.0
P13	M	1006	12.3	82.2
	N	992	12.3	81.0
	W	2306	25.0	92.2
P25	M	1875	25.0	75.0
	N	1849	25.0	74.0
	W	3725	37.5	99.3
P46	M	3026	37.5	80.7
	N	2909	37.5	77.6
P54	w	5029	50.0	100.6

FLUSH LENS TRIM TYPE

	DISTRIBUTION	DELIVERED LUMENS	WATTAGE	EFFICACY (Im/W)
	W	1317	12.3	107.5
P13	M	1349	12.3	110.1
	N	1314	12.3	107.3
	W	2454	25.0	98.2
P25	M	2515	25.0	100.6
	N	2449	25.0	98.0
	W	3965	37.5	105.7
P40	M	4057	37.5	108.2
	N	3851	37.5	102.7
P54	W	5353	50.0	107.1

REGRESSED LENS TRIM TYPE

	DISTRIBUTION	DELIVERED LUMENS	WATTAGE	EFFICACY (Im/W)
	W	1266	12.3	103.3
P13	М	1313	12.3	107.2
	N	1307	12.3	106.7
	W	2358	25.0	94.3
P25	M	2447	25.0	97.9
	N	2436	25.0	97.4
	W	3809	37.5	101.6
P40	M	3949	37.5	105.3
	N	3831	37.5	102.2
P54	W	5143	50.0	102.9

TUNABLE WHITE

OPEN REFLECTOR TRIM TYPE

	DISTRIBUTION	DELIVERED LUMENS	WATTAGE	EFFICACY (Im/W)
	W	1088	12.3	88.8
P13	M	881	12.3	71.9
	N	869	12.3	70.9
	W	2157	22.0	98.0
P25	M	1752	22.0	79.6
	N	1684	22.0	76.5
P40	w	3285	37.5	87.6
P54	w	3810	43.5	87.6

FLUSH LENS TRIM TYPE

	DISTRIBUTION	DELIVERED LUMENS	WATTAGE	EFFICACY (Im/W)		
	W	1153	12.3	94.1		
P13	M	1181	12.3	96.4		
	N	1150	12.3	93.9		
	W	2295	22.0	104.3		
P25	M	2349	22.0	106.8		
	N	2230	22.0	101.4		
P40	W	3496	37.5	93.2		
P54	W	4056	43.5	93.2		

REGRESSED LENS TRIM TYPE

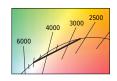
	DISTRIBUTION	DELIVERED LUMENS	WATTAGE	EFFICACY (Im/W)
	W	1108	12.3	90.4
P13	M	1150	12.3	93.8
	N	1144	12.3	93.4
P25	W	2205	22.0	100.2
	M	2287	22.0	103.9
	N	2218	22.0	100.8
P40	W	3359	37.5	89.6
P54	W	3897	43.5	89.6

MULTIPLIER TABLES

	COLOR TEMPERATURE					
	ССТ	LUMENS				
	CCI	STANDARD	TUNABLE WHITE			
	2700K	0.92	0.83			
=	3000K	0.98	1.00			
80 CRI	3500K	1.00	0.99			
œ	4000K	1.01	1.00			
	5000K	1.02	0.98			
	2700K	0.76	_			
=	3000K	0.79	_			
90 CRI	3500K	0.82	-			
9	4000K	0.84	_			
	5000K	0.88	_			

OPEN REFLECTOR FINISH				
CATALOG NUMBER	CONVERSION FACTOR			
CS	Clear semi-specular	1.00		
SG	Satin-glow	0.92		
GD	Gold	0.93		
CG	Champagne Gold	0.96		
PW	Pewter	0.86		
SPC	Specular	1.02		
RG	Rose Gold	0.88		
WH	WH White, textured			
BL	Black, textured	0.79		

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.

- Standard results based on 3500K/80 CRI, actual lumens may vary +/-5%

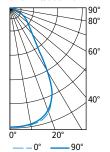
 Tunable white results based on 4000K/80 CRI, actual lumens may vary +/-5%

 Use multiplier tables to calculate additional options.



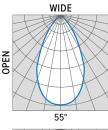
PHOTOMETRY

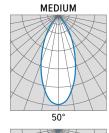
6DS-P25/835-POE PR-LW-OF-WH Total Luminaire Output: 2454 lumens; 25.0 Watts | Efficacy: 98.2 lm/W | 80 CRI; 3500K CCT

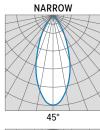


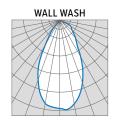
	VERTICAL ANGLE	HORIZ	ZONTAL A	ZONAL LUMENS	
	VERTICAL ANGLE	0°	45°	90°	ZUNAL LUMENS
8	0	1658	1658	1658	
CANDLEPOWER DISTRIBUTION	5	1662	1654	1656	157
2	15	1624	1603	1603	453
泛	25	1353	1492	1359	633
곮	35	619	998	621	498
8	45	376	434	367	317
핊	55	237	243	235	215
ᅙ	65	122	122	118	122
ਤ	75	47	46	45	51
	85	4	2	5	8
	90	0	0	0	

LUMEN SUMMARY	ZONE	LUMENS	% FIXTURE		
Σ	0 - 30	1244	51		
S	0 - 40	1742	71		
딟	0 - 60	2274	93		
]	0 - 90	2454	100		
	0 - 180	2454	100		

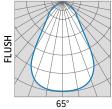


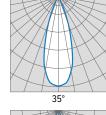


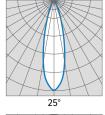


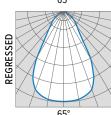


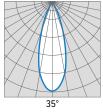


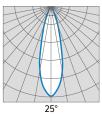








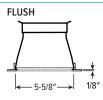


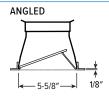


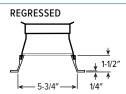
TRIM TYPE DETAILS







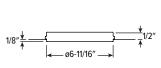


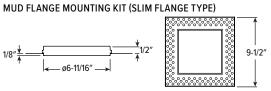


FLANGE TYPE DETAILS







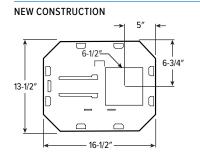


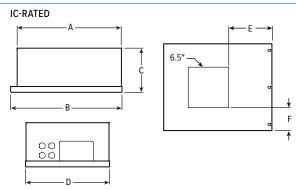


REFLECTOR FINISH DETAILS

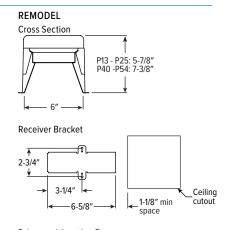
SPC Clear specular	SG Satin glow	PW Pewter	GD Gold	CG Champagne gold	RG Rose gold	CS Clear semi-specula	WH r White	BL Black

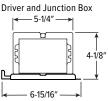
MOUNTING TYPE DETAILS





	LENGTH					
LUMENS	Α	В	С	D	E	F
P13	15-3/16"	16"	6-3/8"	12-1/8"	6-1/4"	2-7/8"
P25	16-5/8"	17-1/2"	7-7/8"	14"	7"	3-3/4"





APERTURE ADAPTOR ORDERING INFO

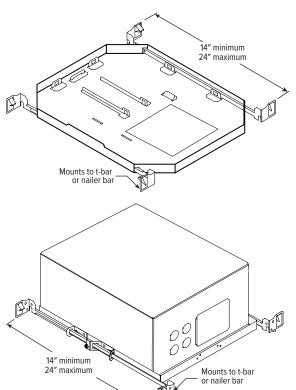
ORDERING EXAMPLE: 4DR - GR - 0575 - WHT							
SERIES		CATALOG NUMBER	CEILING CUTOUT	FINISH			
4AR 4DR 4DS 4PR 4PS	6AR 6DR 6DS 6PR 6PS 8DR	GR	Specify ceiling cutout in 1/8" increments. Example: 5.75" = 0575 See Kit Components for application limits.	CS WH BL	Clear semi-specular powder coat White texture powder coat Black texture powder coat		

For use with remodel downlights. Additional finishes available, consult factory. For limitations and instructions, see hew.com/aperture-adaptor.pdf



MOUNTING HARDWARE DETAILS

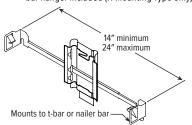
F1 Integral 2-position fixed pan bracket, universal bar hanger included



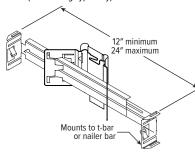
BA1 Adjustable butterfly pan bracket, bar hanger not included (N Mounting Type only)



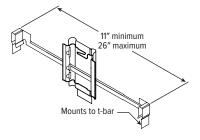
CA1 Adjustable caterpillar pan bracket, universal bar hanger included (N Mounting Type only)



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