

CATALOG #: _____

TYPE: _____

PROJECT: _____

NEW CONSTRUCTION AND REMODEL

FEATURES

- Deliver scalable, data-driven smart buildings with PoE-enabled fixtures and controls
- Support human-centric design with adaptive, individualized lighting using tunable white light



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" – 1-7/16". See Options for additional ceiling thicknesses.
- OPEN REFLECTOR** – Low-iridescent anodized aluminum with 1/2" flange. Clear semi-specular finish standard.
- 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 P44 lumen package and higher.
- 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

ORDERING EXAMPLE: 8DR - P64/835 - OPTIONS - POE PR - OW - CS - TRIM OPTIONS - N - F1

HOUSING

SERIES	LUMENS ^[1]	CRI	CCT	OPTIONS	CONTROL ^[2]
8DR	P11 1,100lm	8 80	27 2700K	SCA_ Sloped ceiling adapter ^[4]	POE PR Power over Ethernet-ready
	P19 1,900lm	9 90 ^[3]	30 3000K	ATH Airtight construction	
	P34 3,400lm		35 3500K	CP Chicago plenum(CCEA) ^[5]	
	P44 4,400lm		40 4000K	TC Adjustable mounting arms for 1-1/2" - 2-1/4" thick ceilings	
	P64 6,400lm		50 5000K		
			TW Tunable white (80 CRI, 2700K–5000K)		

TRIM ^[6]

TRIM TYPE	DISTRIBUTION ^[7]	REFLECTOR FINISH	TRIM OPTIONS
O Open reflector	W 65° Wide M 45° Medium N 35° Narrow	CS Clear semi-specular anodize SG Satin-glow anodize GD Gold anodize CG Champagne gold anodize PW Pewter anodize SPC Clear specular anodize RG Rose gold anodize WH White texture powder coat BL Black texture powder coat	MWT Textured white trim flange ^[8] WET/CC Wet location, covered ceiling listed AM Anti-microbial ^[9]

MOUNTING

MOUNTING TYPE ^[10]

- N Open pan for new construction
- I IC-rated enclosure for new construction ^[12]
- R Remodel kit ^[13]

MOUNTING HARDWARE ^[11]

- F1 Integral 2-position fixed pan bracket, universal bar hanger included ^[14]
- BA1 Adjustable butterfly pan bracket, bar hanger not included ^[15]
- CA1 Adjustable caterpillar pan bracket, universal bar hanger included ^[16]

NOTES

- Lumen output based on Static White, O trim type, W distribution and CS finish, 80 CRI, 3500K. See page 2 for FIXTURE PERFORMANCE DATA.
- For additional PoE connection details, consult factory.
- Extended lead times may apply. Consult factory for availability. Not available with Tunable White.
- 14" aperture, specify degrees of slope in 5° increments, 05°-30°. See page 3 for SLOPED CEILING ADAPTOR DETAILS. N Mounting Type only. Not available with ATH or WET/CC Options. Painted white. Other colors available, consult factory.
- I Mounting Type required.
- Trim ships separately.
- Beam angle based on W distribution with CS or WH reflector finish. See page 2 for FIXTURE PERFORMANCE DATA.
- Not available with WH Reflector Finish.
- WH and BL Reflector Finishes only.
- Mounting hardware required (N and I only), 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.
- P11 lumen package only.
- Also used in new construction sheetrock ceilings. Pan-less installation. P19 lumen package max.
- N and I Mounting Types only. I Mounting requires external brackets.
- N Mounting Type only.
- N Mounting Type only.



FIXTURE PERFORMANCE DATA

STATIC WHITE

	DIST.	DELIVERED LUMENS	WATTAGE	EFFICACY (lm/W)
P11	W	1105	11.6	95
	M	1094	11.6	94
	N	1003	11.6	87
P19	W	1938	22.8	85
	M	1919	22.8	84
	N	1758	22.8	77
P34	W	3382	34.9	97
	M	3349	34.9	96
	N	3068	34.9	88
P44	W	4411	47.7	93
	M	4369	47.7	92
	N	4002	47.7	84
P64	W	6422	69.0	93
	M	6361	69.0	92
	N	5827	69.0	84

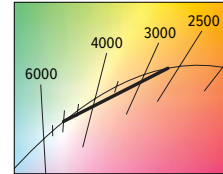
TUNABLE WHITE

	DIST.	DELIVERED LUMENS	WATTAGE	EFFICACY (lm/W)
P11	W	952	11.9	80
	M	943	11.9	79
	N	864	11.9	73
P19	W	1409	17.0	83
	M	1395	17.0	82
	N	1278	17.0	75
P34	W	1915	23.1	83
	M	1896	23.1	82
	N	1737	23.1	75
P44	W	2785	34.3	81
	M	2758	34.3	80
	N	2527	34.3	74
P64	W	3481	43.5	80
	M	3448	43.5	79
	N	3159	43.5	73

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	–

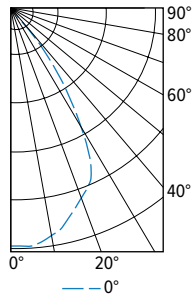
REFLECTOR FINISH	
CATALOG NUMBER	CONVERSION FACTOR
CS	1.00
SG ¹	0.92
GD	0.93
CG	0.96
PW	0.86
SPC	1.02
RG	0.88
WH ¹	0.89
BL ¹	0.47



- ¹ Distribution will also be affected, consult factory.
- Photometrics tested in accordance with IESNA LM-79. Results shown are based on 25°C ambient temperature.
 - Static white 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.

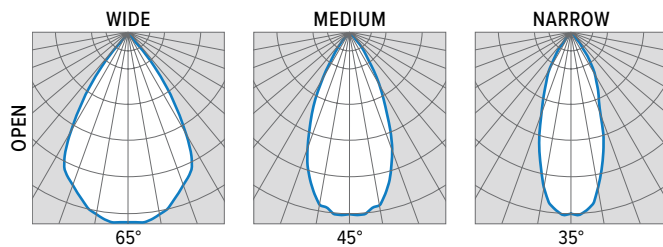
PHOTOMETRY

8DR-P64/835-OW-CS-POE-PR Total Luminaire Output: 6422 lumens; 69 Watts | Efficacy: 93 lm/W | 80 CRI; 3500K CCT



CANDLEPOWER DISTRIBUTION	VERTICAL ANGLE	HORIZONTAL ANGLE	ZONAL LUMENS
		0°	
	0	6279	
	5	6318	593
	15	5760	1621
	25	4982	2231
	35	2461	1532
	45	385	353
	55	52	49
	65	26	26
	75	12	13
	85	3	4
	90	0	

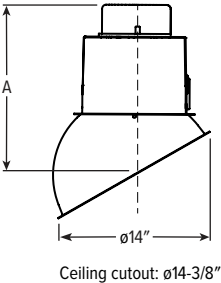
LUMEN SUMMARY	ZONE	LUMENS	% FIXTURE
	0 - 40	5977	93
	0 - 60	6379	99
	0 - 90	6422	100
	0 - 180	6422	100



8DR PoE | tunable WHITE

8" Downlight – Round

SLOPED CEILING ADAPTOR DETAILS



LUMENS	A (HEIGHT)						PLENUM HEIGHT
	5°	10°	15°	20°	25°	30°	
P11 - P34	13-5/16"	13-3/8"	13-5/16"	13-3/16"	13"	12-5/8"	13-3/4"
P44 - P64	14-3/4"	14-13/16"	14-3/4"	14-5/8"	14-5/16"	14"	15"

30° Shown

APERTURE ADAPTOR ORDERING INFO

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

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

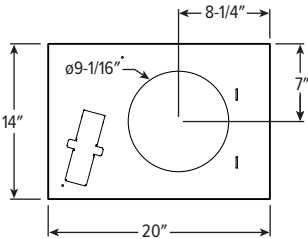
REFLECTOR FINISH DETAILS

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

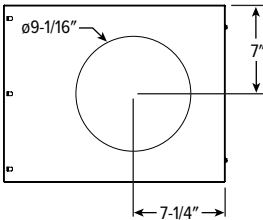
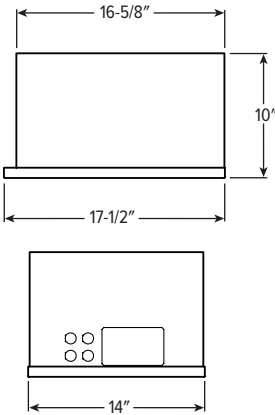
MOUNTING TYPE DETAILS

Ceiling cutout 9-1/16" for all mounting types.

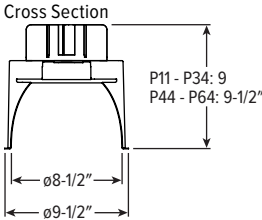
NEW CONSTRUCTION



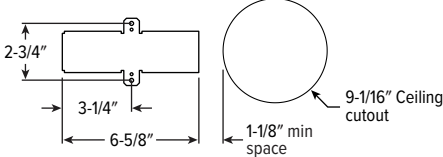
IC-RATED



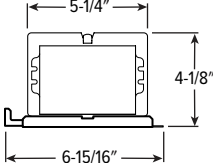
REMODEL



Receiver Bracket



Driver and Junction Box

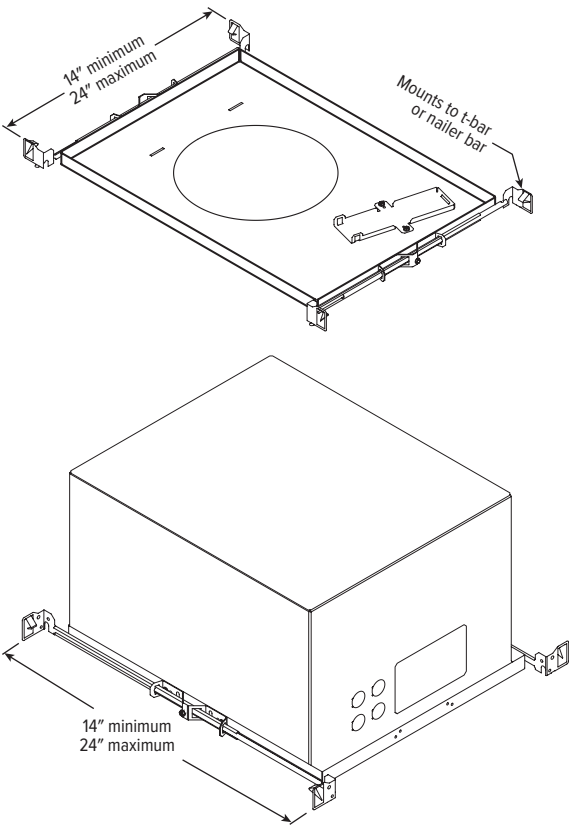


8DR PoE | tunable WHITE

8" Downlight – Round

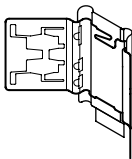
MOUNTING HARDWARE DETAILS

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

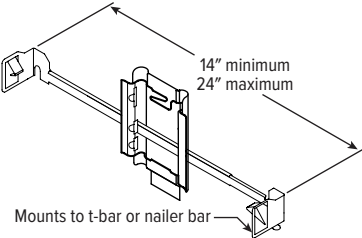


F1 with I Mounting Type

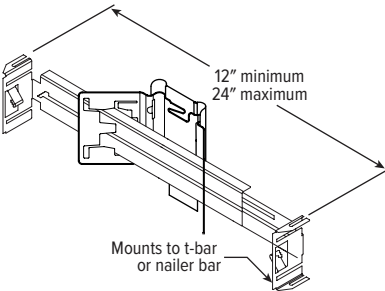
BA1 Adjustable butterfly pan bracket, bar hanger not included (N Mounting Type only)



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)

