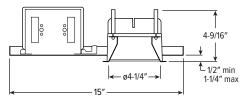


### R LED 4.5" Shallow Plenum Downlight – Round







CATALOG #: \_ PROJECT: \_

#### **NEW CONSTRUCTION AND REMODEL**

#### **FEATURES**

#### TrimLock<sup>®</sup>

- Innovative TrimLock reflector retention system ensures trim remains flush with ceiling plane
- Die cast trim with flush lens provides glare-free illumination for a soft ceiling appearance
- Industry-leading efficacies as high as 100 lm/W ENERGY STAR® certified
- Fully room-side accessible

#### **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, tempered glass
- ELECTRICAL High-performance Class 2 C.O.B. LED array. Modular quick-connect plug for easy field-connection of LED light assembly to driver. Reported L70>55,000 hours. Reported L90>55,000 hours. Estimated L70 = 200,000 hours.
- 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 L30 lumen package.
- 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
  - ENERGY STAR® certified in select configurations, see www.energystar.gov
  - 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: 4PR - TL - L20/835 - OPTIONS - DIM - UNV - LW - OF - WH - TRIM OPTIONS - N - F1 HOUSING -

#### **HOUSING**

SERIES 4PR - TL TrimLock	LUMENS <sup>[1]</sup> L10 1,000lm <sup>[3]</sup> L15 1,500lm L20 2,000lm L30 3,000lm	CRI 8 80 9 90 <sup>[4]</sup>	27 2700K 30 3000K 35 3500K 40 4000K 50 5000K	OPTIONS ATH CP F SDT	Airtight construction Chicago plenum (CCEA) <sup>[5]</sup> Fuse kit Stepdown transformer <sup>[6]</sup>	CONTROL <sup>[2]</sup> DIM Dimming driver, 0-10V  DIM1 1% Dimming driver, 0-10V	VOLTAGE UNV 120-277V 347 347V [7]
				EM/7W EM/10W EM/10W/RT	7-watt emergency batt 10-watt emergency ba S 10-watt emergency ba	ttery [9]	est switch <sup>[10]</sup>

#### TRIM [11]

TRIM TYPE L Flush lens A Angled lens [13] S Non-conductive flush lens for shower applications [14]	DIS W M N	TRIBUTION [12] 65° Wide 35° Medium 25° Narrow	OF	ANGE TYPE  1/2" standard flange  1/4" mud-in flange [15]	REF CS WH BL	LECTOR FINISH Clear semi-specular powder coat White texture powder coat Black texture powder coat	PD	IP65 rated trim Diffuse acrylic lens [16] Diffuse 1/8" polycarbonate lens [17] Wet location, covered ceiling listed
						,	AM	Anti-microbial [18]

#### **MOUNTING**

#### MOUNTING TYPE [19]

- N Open pan for new construction
- I IC-rated enclosure for new construction [21]
- R Remodel kit [22]

#### MOUNTING HARDWARE [20]

- F1 Integral 2-position fixed pan bracket, universal bar hanger included [23]
- BA1 Adjustable butterfly pan bracket, bar hanger not included [24]
- Adjustable caterpillar pan bracket, universal bar hanger included [25]

#### NOTES

- Lumen output based on L trim type, W distribution and WH finish, 3500K/80CRI. Actual lumens may vary 75500730007. Actual limins in +/-5%. See page 2 for FIXTURE PERFORMANCE DATA. See page 3 for ADDITIONAL CONTROL OPTIONS.
- Not available with EM/10W emergency batteries.
- Extended lead times may apply. Consult
- factory for availability. I Mounting Type required.
- May be required for 347V, see product builder at hew.com/product-builder
- Not available with EM batteries or DMX controls.
  N and R Mounting Types only.
  N and R Mounting Types only.

- Not available with WET/CC, ATH or IP options. N and R Mounting Types only. See page 4 for EM/10W/RTS DETAILS.
- Trim ships separately.
  Beam angle based on WH reflector finish and L Trim Type.
- 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.
- 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.
- 16 L Trim Type only. W distribution only.

- 17 W distribution only.
- 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.
  Specify for N and I Mounting Types
  only. Additional mounting hardware
  options available. See page 5 for
  MOUNTING HARDWARE DETAILS.
  Not available with 1.20 lumps page.
- Not available with L30 lumen package.
- Also used in new construction
- sheetrock ceilings.

  N and I Mounting Types only. I Mounting requires external brackets.
- N Mounting Type only.
   N Mounting Type only.

## R LED 4.5" Shallow Plenum Downlight — Round

#### FIXTURE PERFORMANCE DATA

	DISTRIBUTION	DELIVERED LUMENS	WATTAGE	EFFICACY (Im/W)
	W	921	10.7	85.9
19	M	1072	10.7	100.0
	N	1064	10.7	99.2
	W	1405	16.7	84.1
115	M	1636	16.7	97.9
	N	1624	16.7	97.1
	W	1830	22.8	80.4
L20	M	2130	22.8	93.6
	N	2114	22.8	92.9
	W	3127	46.6	67.1
L30	M	3538	46.6	75.9
	N	3516	46.6	75.5

#### **MULTIPLIER TABLES**

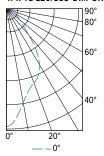
	COLOR TEMPERATURE			
	ССТ	CONVERSION FACTOR		
	2700K	0.92		
-	3000K	0.98		
80 CRI	3500K	1.00		
∞	4000K	1.01		
	5000K	1.02		
	2700K	0.76		
=	3000K	0.79		
90 CRI	3500K	0.82		
6	4000K	0.84		
l i	5000K	0.88		

TRIM		
CATALOG NUMBER	CONVERSION FACTOR	
S	0.85	
AD	0.85	
PD	0.85	

- Photometrics tested in accordance with IESNA LM-79. Results shown are based on 25°C ambient temperature.
- Wattage shown is based on 120V input. Results based on 3500K, 80 CRI, actual lumens may vary +/-5% Use multiplier tables to calculate additional options.

#### **PHOTOMETRY**

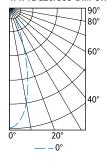
4PR-TL-L20/835-DIM-UNV-LW-OF-WH Report #: 12316380.29; 06/12/18 | Total Luminaire Output: 1830 lumens; 22.8 Watts | Efficacy: 80.4 lm/W | 82.7 CRI; 3565K CCT



	VERTICAL ANGLE		HORIZONTAL ANGLE	ZONAL LUMENS
l			0°	ZONAL LONILING
	8	0	1465	
	5	5	1365	91
	是	15	1057	167
	CANDLEPOWER DISTRIBUTION	25	926	222
	2	35	663	187
١	8	45	304	10
١	Œ,	55	178	73
١	ᅙ	65	104	45
١	ਤ	75	52	22
١		85	13	4
۱		00	2	

LUMEN SUMMARY	ZONE	LUMENS	% FIXTURE
I≅	0 - 40	1253	69
SZ	0 - 60	1656	91
뿔	0 - 90	1830	100
3	0-180	1830	100

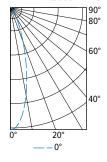
4PR-TL-L20/835-DIM-UNV-LM-OF-WH Report #: 12316380.31; 06/13/18 | Total Luminaire Output: 2130 | lumens; 22.8 Watts | Efficacy: 93.6 | m/W | 82.7 CRI; 3560K CCT



	VERTICAL ANGLE	HORIZONTAL ANGLE	ZONAL LUMENS
	VERTICAL ANGLE	0°	ZUNAL LUMENS
8	0	5004	
5	5	4751	315
農	15	2968	390
S	25	1007	187
곮	35	302	79
8	45	125	42
CANDLEPOWER DISTRIBUTION	55	64	26
를	65	37	16
S	75	19	8
	85	5	2
	90	1	

ZONE	LUMENS	% FIXTURE
0 - 40	1910	90
0 - 60	2067	97
0 - 90	2130	100
0-180	2130	100
	0 - 40 0 - 60 0 - 90	0 - 40 1910 0 - 60 2067 0 - 90 2130

4PR-TL-L20/835-DIM-UNV-LN-OF-WH Report #: 12316380.32; 06/13/18 | Total Luminaire Output: 2114 lumens; 22.8 Watts | Efficacy: 92.9 lm/W | 82.6 CRI; 3545K CCT



	VERTICAL ANGLE	HORIZONTAL ANGLE 0°	ZONAL LUMENS
O	0	7096	
CANDLEPOWER DISTRIBUTION	5	6408	398
뭂	15	3003	366
S	25	802	144
2	35	222	59
8	45	105	37
Ĕ,	55	63	26
ᅙ	65	38	17
S	75	19	8
	85	4	1
	90	1	

LUMEN SUMMARY	ZONE	LUMENS	% FIXTURE
≥	0 - 40	1912	90
SZ	0 - 60	2051	97
뿔	0 - 90	2114	100
3	0-180	2114	100

#### ADDITIONAL CONTROL OPTIONS

Lumen restrictions apply: L20 max for DMX driver, L20 max for Lutron drivers, L30 max for DIM LINE driver. R Mounting Type only available with DIM, DIM1, and DIM LINE controls. 347V may require stepdown transformer, see product builder at hew.com/product-builder.

CATALOG NUMBER	DESCRIPTION
DIM	Dimming driver prewired for 0-10V low voltage applications
DIM1	1% dimming driver prewired for 0-10V low voltage applications
DIM LINE	Line voltage dimming driver (TRIAC and ELV compatible at 120V only)
DMX	0.1% dimming driver for DMX controls
LTE LINE	Lutron Hi-lume 1% 2-wire dimming driver forward phase line voltage controls (120V only)
LDE1	Lutron Hi-lume 1% EcoSystem dimming LED driver
LDE5	Lutron 5-Series 5% EcoSystem dimming LED driver
VRF/DBI/LDE1	Lutron Vive integral fixture control, RF only (DFCSJ-OEM-RF), Lutron Hi-lume 1% EcoSystem dimming LED driver, and digital link interface
VRF/DBI/LDE5	Lutron Vive integral fixture control, RF only (DFCSJ-OEM-RF), Lutron 5-Series 5% EcoSystem dimming LED driver, and digital link interface
FCJS/DIM	Lutron Vive PowPak wireless fixture control with dimming driver
FCJS/DIM1	Lutron Vive PowPak wireless fixture control with 1% dimming driver
ELDO SOLOB	EldoLED Solodrive, 0.1% dimming driver for 0-10V controls
ELDO SOLOB DALI	EldoLED Solodrive, 0.1% dimming driver for DALI controls
ELDO ECO1	EldoLED Ecodrive, 1% dimming driver for 0-10V controls
ELDO ECO1 DALI	EldoLED Ecodrive, 1% dimming driver for DALI controls

#### TRIMLOCK DETAILS

#### **TWIST**



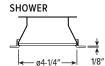


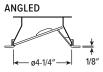


#### TRIM TYPE DETAILS

**FLUSH** 







#### **FLANGE TYPE DETAILS**

#### 1/2" STANDARD



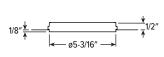




1/4" MUD-IN

Ceiling Cutout: ø5-1/2"

#### MUD FLANGE MOUNTING KIT (SLIM FLANGE TYPE)





#### **REFLECTOR FINISH DETAILS**

CS WH Clear semi-specular White

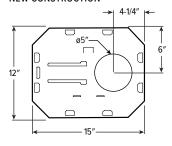


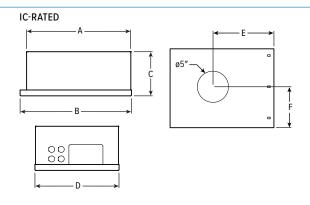
BL

# 4PR LED 4.5" Shallow Plenum Downlight – Round

#### **MOUNTING TYPE DETAILS**

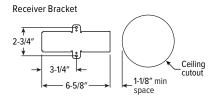


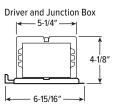




	LENGTH					
LUMENS	Α	В	С	D	E	F
L10 - L20	15-1/16"	16"	4-1/2"	12-1/8"	9-1/2"	6-1/16"

### REMODEL Cross Section 4-9/16"

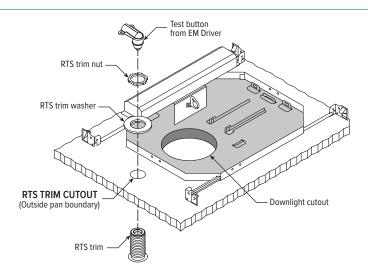




#### EM/10W/RTS DETAILS



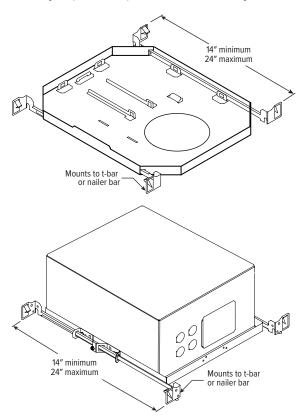
Shown Installed



### **4PR** LED 4.5" Shallow Plenum Downlight – Round

#### MOUNTING HARDWARE DETAILS

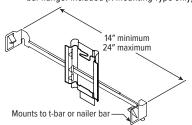
F1 Integral 2-position fixed pan bracket, universal bar hanger included



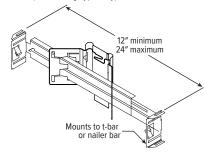
BA1 Adjustable butterfly pan bracket, bar hanger not included (N Mounting Type only)



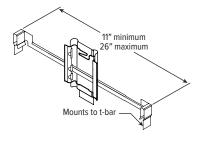
CA1 Adjustable caterpillar pan bracket, universal bar hanger included (N Mounting Type only)



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