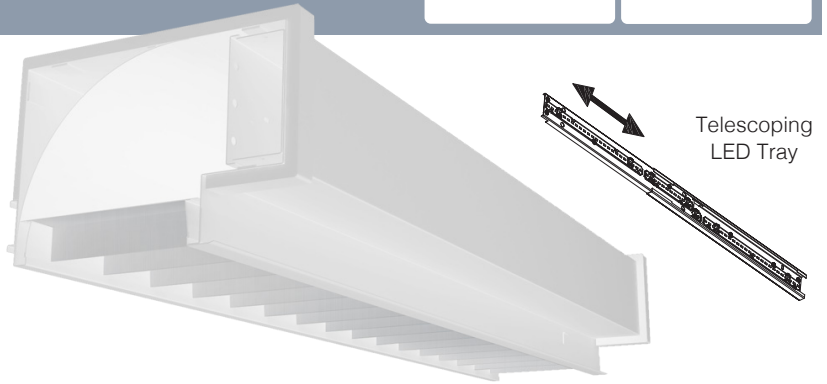
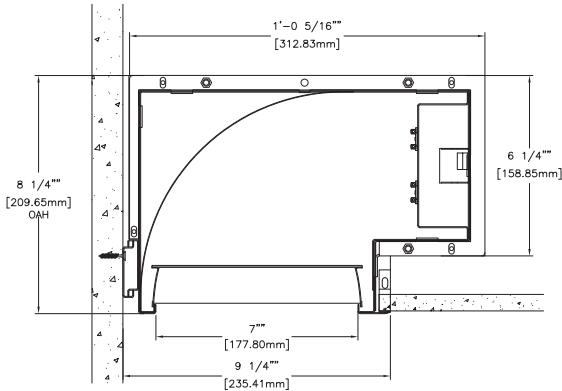




PNRL Series | PNRL Perimeter

Date		Notes
Project		
Type	Qty	



Features

Traditional louvered perimeter wall washer.

Parabolic or steel cross blade louvers for glare reduction and smooth illumination.

Innovative telescoping end allows 24" of adjustment for perfect wall-to-wall illumination.

High efficiency programmable driver for custom lumen packages. 0-10V dimming to 1% standard.

High efficacy LEDs in 80 or 90 CRI; two or three channel tunable white; five channel tunable color.



Ordering Guide

MODEL	OPTICS	CCT ¹	LUMENS ²	LENGTH ³	MOUNTING ⁴	FINISH	OPTIONS
PNRL-D							
PNRL-D Direct Perimeter	PBL = Semi-specular Parabolic Louvers w/ acrylic overlay SCB = Steel Cross- Blade louvers w/acrylic overlay	27 = 2700K 80CRI 30 = 3000K 80CRI 35 = 3500K 80CRI 40 = 4000K 80CRI 50 = 5000K 80CRI 90 CRI add "9" Ex: 940 = 4000K @ 90 CRI	LO = 570/ft (10W/ft, 57LPW) SO = 760/ft (14W/ft, 54LPW) HO = 945/ft (18WL/ft, 53LPW) Values above with (SI) lens. Consult factory for additional lumen packages. All values nominal.	2 = 2 ft 3 = 3 ft 4 = 4 ft 5 = 5 ft 6 = 6 ft 7 = 7 ft 8 = 8 ft For other enter row length (e.g. 48 = 48 ft)	G = Grid F = Flanged TRL = Trim- less	W = White CC = Custom Color AMW = Anti-Microbial White	DIMMING DRIVERS DIM10 = 0-10V (1.0%) - Standard DIMSR = 0-10V (5.0%) Sensor Ready DIMST = Step Dimming (40%/100%) DALI = DALI (5.0%) LUTRON™ DIMMING DRIVERS LDE1 = Hi-Lume™ 1% EcoSystem™ LDE5 = 5-Series 5% EcoSystem™ L3DA3W = Hi-Lume™ 1% 3-Wire LTEA2W = Hi-Lume™ 1% 2-Wire 120V SENSORS & CONTROLS ESN = Philips™ EasySense DAY = Daylight Harvesting OCC = Occupancy Sensor CAS = Casambi Bluetooth control VDO = Vive Sensor by Lutron EMERGENCY EMC = Emergency Circuit GTD = Generator Transfer Device EPC4 = 4W Emergency Battery Pack EPC7 = 7W Emergency Battery Pack EPC10 = 10W Emergency Battery Pack EPC12 = 12W Emergency Battery Pack Some options not integral to fixture. Please consult factory.
		TUNABLE WHITE & COLOR¹ <u>2-Channel White</u> 2DIM10 = for 0-10V 2DALI = for DALI 2DMX = for DMX 2PSQ = for Lutron 2SNS = for Signify 2CAS = for Casambi <u>3-Channel White</u> 3DLM = for DLM <u>3-Channel Color</u> RGB <u>4-Channel Color/White</u> RGBW <u>5-Channel Color/Warm White/Cool White</u> RGBWW					

¹Tunable white, tunable color and RGB/W options detailed on page 5.

²Delivered Lumens are Standard Output (SO) and Low Output (LO) at 80+CRI 4000K CCT.
Use the following multiplier to estimate delivered lumens at other CCTs: 2700K = 0.94, 3000K = 0.96, 3500K = 0.98, 5000K = 1.02.

³See page 2 for actual fixture lengths.

⁴See page 4 for mounting details.



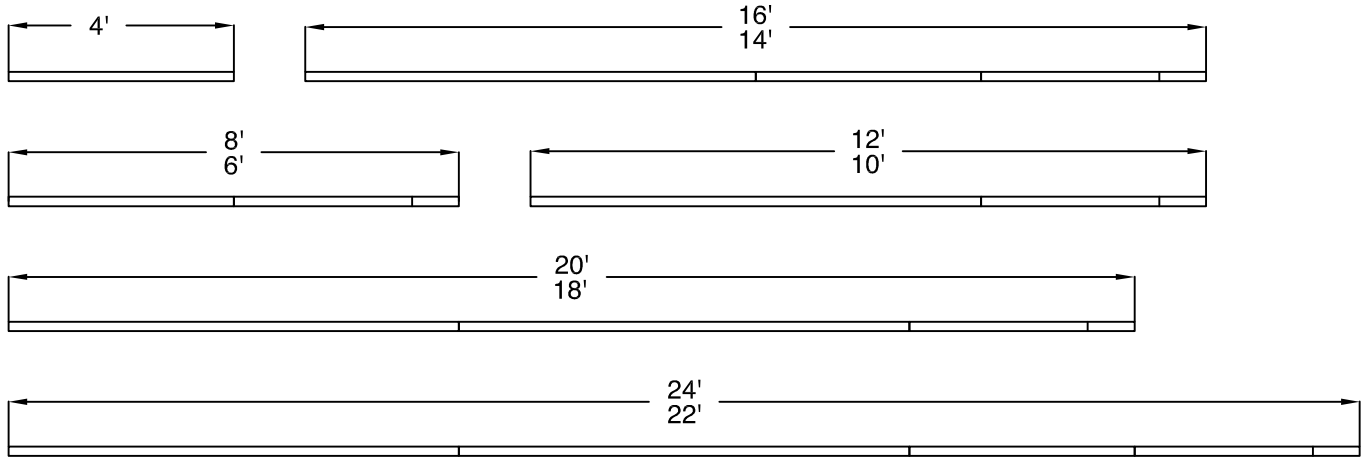
Individual Fixtures & Continuous Rows

NOMINAL LENGTH	MIN LENGTH	MAX LENGTH
4'	4'	4'
8'	6'	8'
12'	10'	12'
16'	14'	16'
20'	18'	20'
24'	22'	24'

Table shows minimum and maximum field adjustable length with included telescoping end (shown at right of fixtures lengths below). Illumination is continuous along entire 24" telescoping section. See PNRL Install Guide at www.dayolite.com for details.

Exact adjustment lengths are dependant on overall specified length of individual fixture or row. Detail will be noted on factory issued drawings for approval.

Continuous rows longer than 24' and patterns, including EPC/EMC and sensor locations must be approved prior to manufacturing.

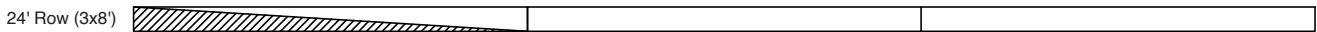


EPC/EMC Locations

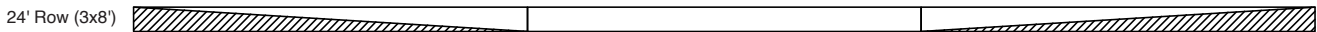
EPC will control entire length of individual fixtures. Individual fixtures of differing lengths will deliver the same lumens under EPC power (a 4' fixture will deliver the same total lumens over half the length of an 8' fixture). EMC controlled individual fixtures will deliver lumens per foot as originally specified, unless dimmed at time of power loss. Consult factory for EMC dimming override device.



For individual fixtures to 8' EPC/EMC will power entire fixture.



For continuous rows longer than 8' one EPC/EMC will be located in the feed section (end-left) of the row as shown below.



If two EPC/EMC's are required their default locations will be in the feed section (end-left) and last section (end-right) as below.



Custom placement of one or more EPC/EMC's must be clearly identified during ordering.

Pattern Guide

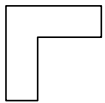
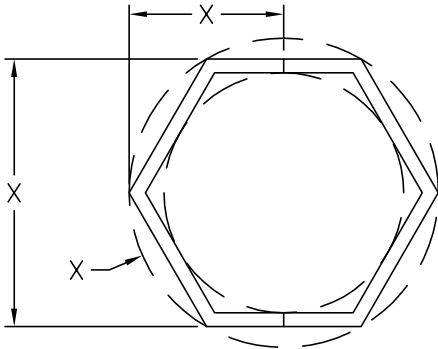
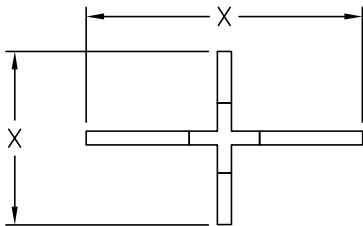
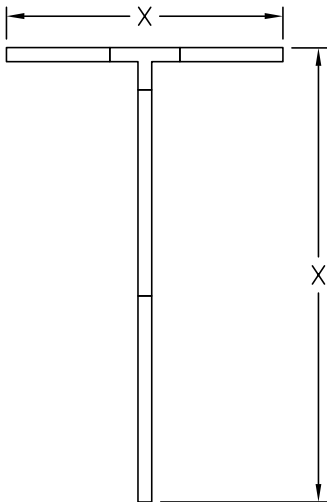
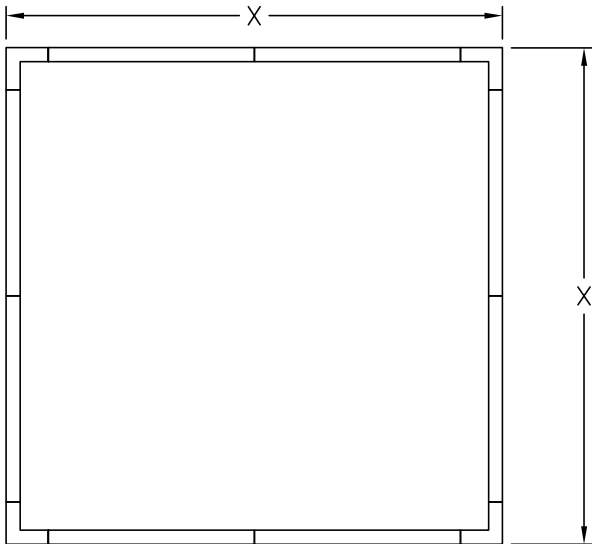
PNRL may be specified in patterns of virtually any configuration. All patterns and corners are continuously illuminated and joined with included aligner brackets and joining hardware. See examples below for suggestions. Day-O-Lite's custom manufacturing capabilities allow the specification of custom corners of any degree (see ILX example below).

How to Specify

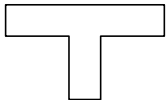
- 1. Submit your pattern to Day-O-Lite in a dimensioned CAD file or submit a fully dimensioned PDF file.
- 2. If EPC/EMC or Sensors are to be included their location needs to be clearly noted.
- 3. Day-O-Lite will design your pattern to as close as is nominally possible given standard LED module lengths, including connectors.
- 4. Day-O-Lite will supply a detailed drawing for approval with final dimensions. All patterns must be approved prior to manufacture.

Pattern Examples

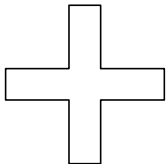
Illuminated Connectors



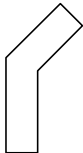
ILC2 = 90° Corner



ILC3 = 90° Tee



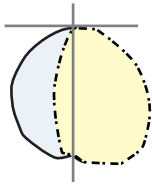
ILC4 = 90° Cross



ILCX = X° Custom

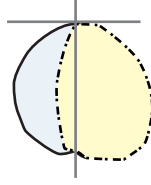
Photometry

PNRL-D-SI-40-**LO**-4-G
Satin Ice Lens (SI)



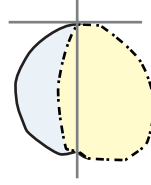
4000K CCT
WATTS: 20
LUMENS: 2283
LPW = 57
Distribution:
100% Direct

PNRL-D-SI-40-**SO**-4-G
Satin Ice Lens (SI)



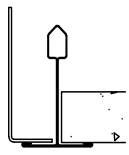
4000K CCT
WATTS: 28
LUMENS: 3033
LPW = 54
Distribution:
100% Direct

PNRL-D-SI-40-**HO**-4-G
Satin Ice Lens (SI)

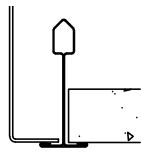


4000K CCT
WATTS: 35
LUMENS: 3778
LPW = 53
Distribution:
100% Direct

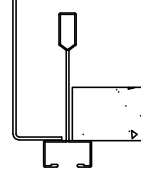
Grid Mounting Options



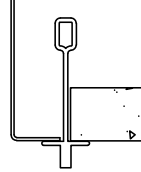
15/16" T-Bar
(G)



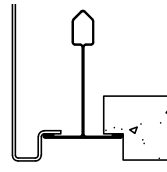
9/16" T-Bar
(MG)



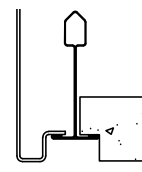
Slot Grid
(SG)



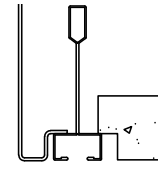
Interlude
(XG)



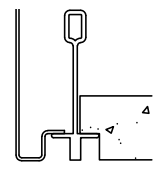
15/16" Tegular
Flush
(TGF)



9/16" Tegular
Flush
(MTGF)



Slot Grid Flush
(SGF)



Interlude Flush
(XGF)

Specifications

CONSTRUCTION: Fully assembled, one-piece, die-formed, 20-gauge cold rolled steel housing. All housings interlock with a continuous wall rail system and accept tie wire (supplied by others) for mounting and leveling. All housings are self-flanged and join with alignment brackets to bolt together.

REFLECTOR: White polyflex, continuous to 44'.

OPTICS: Parabolic (PBL) semi-specular louvers or (SCB) steel cross blade louvers with acrylic overlay.

LEDS: LED modules in 30/35/40 & 50K CCT, 80+ CRI (90 CRI available). Lumen maintenance minimum $L_{70} = 50,000$ hours @ 25 C° ambient temperature. 3 SDCM color consistency. Zhaga™ compliant (Book 7); field replaceable.

DRIVER: Standard driver is Class 2 AOC 0-10V to 1%, 120/277V input, PF > 90%, THD < 20 @ 120V. Additional dimming protocols available. All drivers prewired from factory for connection to control system (by others); field replaceable.

MOUNTING: Standard installation is an exposed inverted T-bar ceiling. Fixture installations are also available in miniature grid, drywall or plaster ceiling.

FINISH: Fixture housing and steel components are finished in baked white enamel applied over a five-stage pretreatment process.

CERTIFICATION: Luminaires are cETLus listed conforming to UL STD. 1598 and certified to CSA STD C22.2 NO. 250.0. Dry and damp location suitable. Union Made in the United States of America. I.B.E.W. RoHS compliant.

Day-O-Lite offers a variety of tunable white and tunable color options for a range of human centric applications and budgets. It is recommended that a recognized authority on the benefits and best practices of tunable white be consulted prior to specification. As a rule, fewer channels will provide a basic level of performance for budget conscious applications. Conversely, an increased number of channels, a wider CCT range, higher CRI and more precise color consistency may be more appropriate depending on the application and desired results.

HOW TO SPECIFY

Select from the various channel/control options below and insert desired **Ordering Code** into the **COLOR TEMP** column of the Ordering Guide on page 1. No need to add a dimming option as the codes include the chosen protocol.

2-CHANNEL TUNABLE WHITE OPTIONS

2700K - 6500K CCT range
 1000L/ft LED modules @ 4000K
 80+ CRI w/3SDCM color accuracy
 10W/ft. nominal power

Ordering Codes

2DIM10 for 0-10V control
2DALI for DALI control
2DMX for DMX control
2PSQ for Lutron Quantum control
2SNS for control via Signify SNS sensors
2CAS for control via Casambi BLE wireless devices

LEGRAND BLANCO MULTI-CHANNEL OPTIONS

Blanco-2

Blanco-2 mixes two channels of white LEDs to approximate the blackbody curve for tunable white applications. CCT and intensity may be adjusted with controls by others.

3000K-5000K CCT range
 1000L/ft LED modules @ 4000K
 90+ CRI w/2SDCM color accuracy
 10W/ft. nominal power

Ordering Codes

B2DLM for DLM control

Blanco-3

Blanco-3 mixes three channels of white LEDs across a wider range of color temperatures for more demanding tunable white applications. CCT and intensity may be adjusted with controls by others.

2700K-6500K CCT range
 1000L/ft. LED modules @ 4000K
 90+ CRI w/2SDCM color accuracy
 10W/ft. nominal power

Ordering Codes

B3DLM for DLM control

RGB & RGBW TUNABLE COLOR

RGB = Red, Green, Blue color mixing LEDs
 RGB/W = Red, Green, Blue + White of chosen CCT
 Dimming from 100% to 1%.
 90+ CRI w/3SDCM color accuracy
 10W/ft. nominal power

Notes:

RGB requires an RGB DMX or DALI controller (by others)

RGBW requires an RGBW DMX or DALI controller (by others)

All channels on one driver is standard, if isolating the White from the RGB channels is desired please consult factory.

RGB and RGBW are not recommended for tunable white applications.

Ordering Codes

RGB for DMX control
RGB27 for DMX control w/2700K white
RGB30 for DMX control w/3000K white
RGB35 for DMX control w/3500K white
RGB40 for DMX control w/4000K white
RGB50 for DMX control w/5000K white
RGB65 for DMX control w/6500K white
 Add Suffix **DAL** for DALI Control to codes above.

5-CHANNEL TUNABLE WHITE AND COLOR

RGBWW = Red, Green, Blue, Warm White, Cool White.
 Consult factory for RGBWW tunable white/color options.

¹Some options may not be integral to fixture. Please consult factory.

Day-O-Lite makes no claims as to the psychological or physiological efficacy of the white color tuning options offered herein.