DAY·O·LITE

## WPPL Series | WPPL-4/5/6 Perimeter

Telescoping LED Tray

Perimeter

Grid ceiling shown. See page 3 for details of all mounting options.

Features

Regressed perimeter slot for wall grazing and wall washing.

Innovative telescoping LED tray allows perfect wall-to-wall illumination.

Field adjustable to 4", 5" or 6" widths in both grid and plaster ceilings.

Easily installs in all ceiling types, grid, plaster w/flange or plaster trimless.

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

Hi-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
WPPL-4 = 4" Direct Perimeter WPPL-5 = 5" Direct Perimeter WPPL-6 = 6" Direct Perimeter	SI = Satin Ice Acrylic CA = Clear Acrylic CM = Collimating Lens (wall grazing) AS = Asymmetric Lens (wall washing)	27 = 2700K 80CRI 30 = 3000K 80CRI 35 = 3500K 80CRI 40 = 4000K 80CRI 50 = 5000K 80CRI 90 CRI add "9" Ex: 940 = 4000K @ 90 CRI **TUNABLE WHITE & COLOR[1]** 2-Channel White 2DIM10 = for 0-10V 2DALI = for DALI 2DMX = for DMX 2PSQ = for Lutron 2SNS = for Signify 2CAS = for Casambi 3-Channel White 3DLM = for DLM 3-Channel Color RGB 4-Channel Color/White RGBW 5-Channel Color/Warm White/Cool White RGBWW	**4"** LO = 485/ft (5W/ft, 92LPW) SO = 645/ft (7W/ft, 92LPW) HO = 800/ft (11W/ft, 91LPW) **5"** LO = 390/ft (5W/ft, 95LPW) SO = 500/ft (7W/ft, 95LPW) HO = 829/ft (11W/ft, 95LPW) **6"** LO = 515/ft (5W/ft, 98LPW) SO = 685/ft (7W/ft, 98LPW) HO = 850/ft (11W/ft, 97LPW) For SI = Satin Ice lens. See page 5 for additional photometry. All values nominal	4 = 4 ft 6 = 6 ft 8 = 8 ft For other enter row length (e.g. 48 = 48 ft)	G = Grid MG = Mini Grid SG = Slot Grid F = Flanged TRL = Trimless	W = White CC = Custom Color AMW = Anti-Microbial White	**DIMMING DRIVERS** DIM10 = 0-10V (1.0%) 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 **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.

[1]Tunable white, tunable color and RGB/W options detailed on page 6.

[2]Delivered 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. All values nominal.

[3]See page 2 for actual fixture lengths and page 3 for 4", 5" and 6" width details.

[3]See page 4 & 5 for mounting details in all ceilings.

Individual Fixtures & Continuous Rows

NOMINAL LENGTH	MIN LENGTH	MAX LENGTH
4'	3' 6"	4' 8"
6'	5' 6"	6' 8"
8'	7' 6"	8' 8"
12'	11' 6"	12' 6"
16'	15' 6"	16' 8"
20'	19' 6"	20' 8"
24'	23' 6"	24' 8"

Table shows minimum and maximum field adjustable length with included telescoping end. Illumination is continous along entire 14" telescoping section with no field cutting required.

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

Telescoping LED Tray
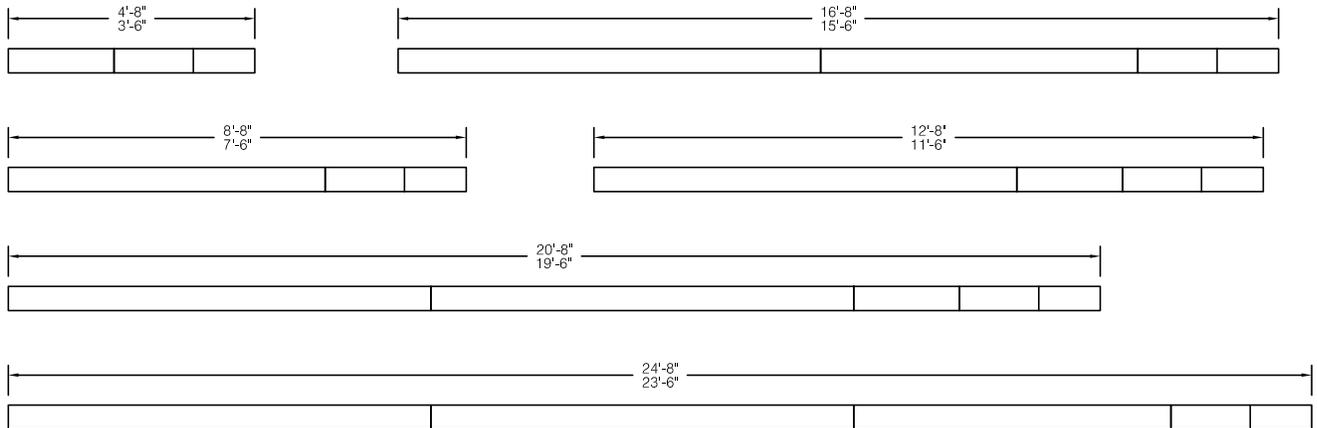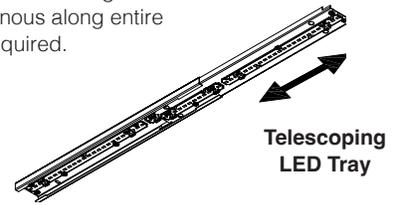
EPC/EMC Locations

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.

4' Individual

8' Individual

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

24' Row (3x8')

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

24' Row (3x8')

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.

24' Row (3x8')

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

Pattern Guide

WPPL-4/6 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 angled connectors to make non-square patterns possible. (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
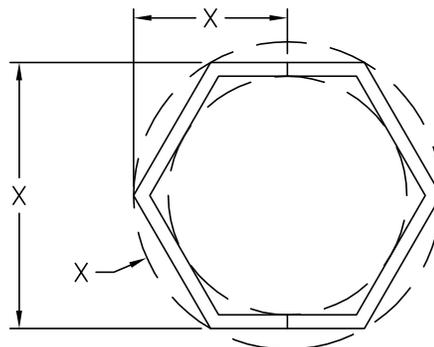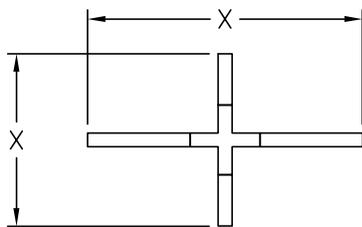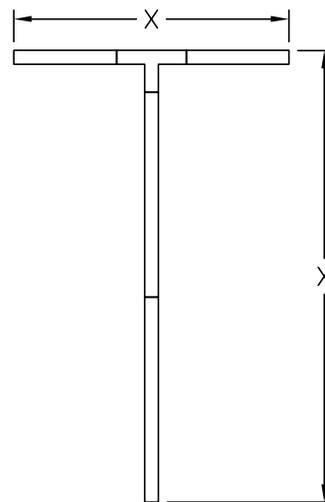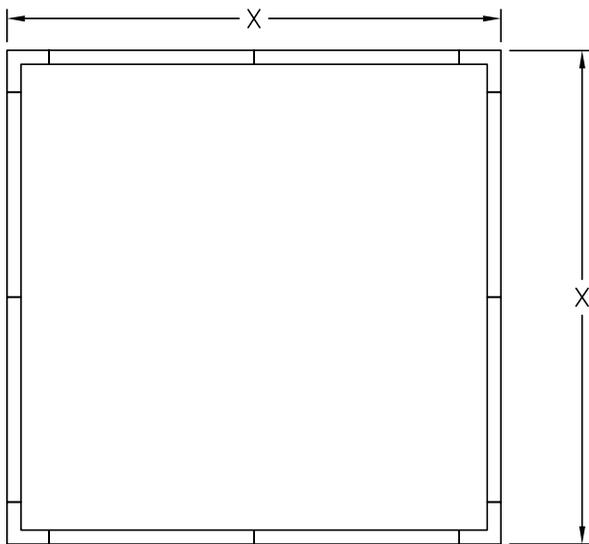
Illuminated Connectors
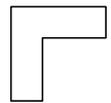
ILC2 = 90° Corner
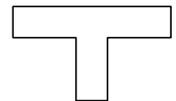
ILC3 = 90° Tee
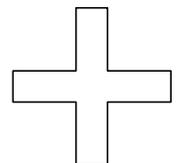
ILC4 = 90° Cross
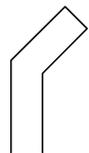
ILCX = X° Custom

Mounting Details

WPPL-4/6 is field adjustable to 4", 5" or 6" widths in both grid and plaster ceilings. Mounting and trim details shown below.
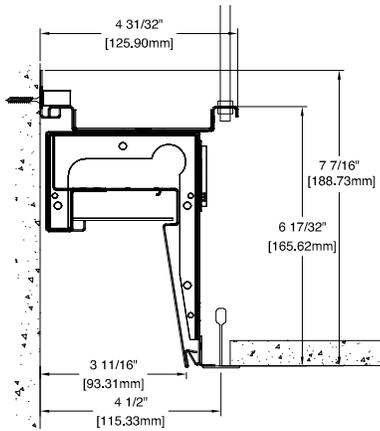
G = Grid 4"
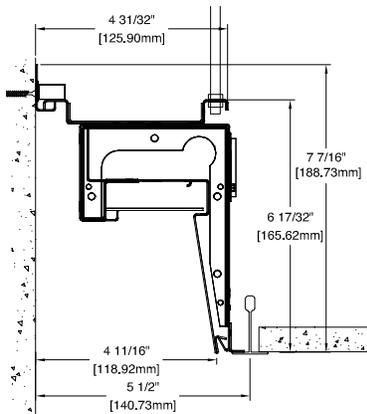
G = Grid 5"
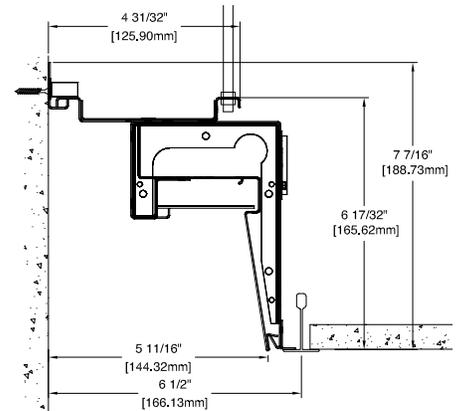
G = Grid 6"
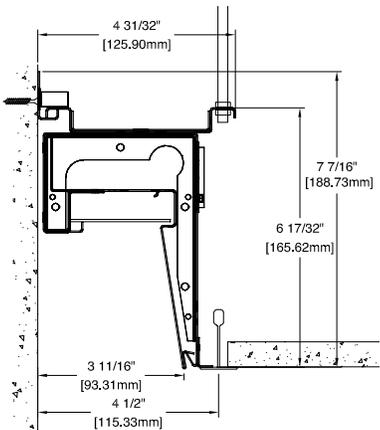
F = Flange 4"
(Drywall Ceiling)
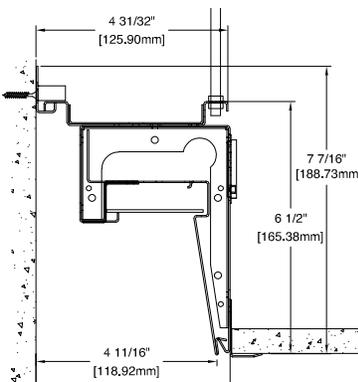
F = Flange 5"
(Drywall Ceiling)
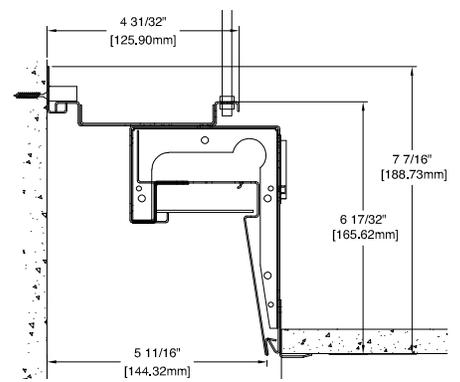
F = Flange 6"
(Drywall Ceiling)
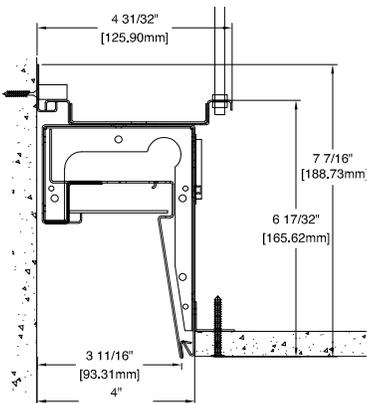
TRL = Trimless 4"
(Drywall Ceiling)
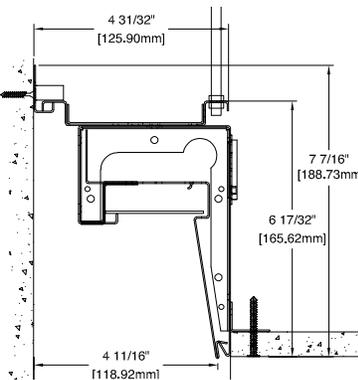
TRL = Trimless 5"
(Drywall Ceiling)
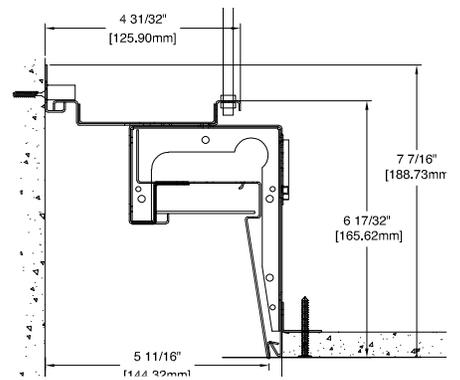
TRL = Trimless 6"
(Drywall Ceiling)

DAY-O-LITE

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) |

Photometry

4"

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

4000K CCT
WATTS: 21
LUMENS: 1932
LPW = 92
Distribution:
100% Direct

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

4000K CCT
WATTS: 28
LUMENS: 2571
LPW = 92
Distribution:
100% Direct

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

4000K CCT
WATTS: 35
LUMENS: 3200
LPW = 91
Distribution:
100% Direct

5"

WPPL-5-D-SI-40-**LO**
Satin Ice Lens (SI)

4000K CCT
WATTS: 21
LUMENS: 2004
LPW = 95
Distribution:
100% Direct

WPPL-5-D-SI-40-**SO**
Satin Ice Lens (SI)

4000K CCT
WATTS: 28
LUMENS: 2668
LPW = 95
Distribution:
100% Direct

WPPL-5-D-SI-40-**HO**
Satin Ice Lens (SI)

4000K CCT
WATTS: 35
LUMENS: 3319
LPW = 94
Distribution:
100% Direct

6"

WPPL-6-D-SI-40-**LO**
Satin Ice Lens (SI)

4000K CCT
WATTS: 21
LUMENS: 2051
LPW = 98
Distribution:
100% Direct

WPPL-6-D-SI-40-**SO**
Satin Ice Lens (SI)

4000K CCT
WATTS: 28
LUMENS: 2731
LPW = 98
Distribution:
100% Direct

WPPL-6-D-SI-40-**HO**
Satin Ice Lens (SI)

4000K CCT
WATTS: 35
LUMENS: 3397
LPW = 97
Distribution:
100% Direct

4"

WPPL-4-D-CA-40-**LO**
Clear Lens (CA)

4000K CCT
WATTS: 21
LUMENS: 2203
LPW = 105
Distribution:
100% Direct

WPPL-4-D-CA-40-**SO**
Clear Lens (CA)

4000K CCT
WATTS: 28
LUMENS: 2966
LPW = 105
Distribution:
100% Direct

WPPL-4-D-CA-40-**HO**
Clear Lens (CA)

4000K CCT
WATTS: 35
LUMENS: 3829
LPW = 109
Distribution:
100% Direct

5"

WPPL-5-D-CA-40-**LO**
Clear Lens (CA)

4000K CCT
WATTS: 21
LUMENS: 2305
LPW = 109
Distribution:
100% Direct

WPPL-5-D-CA-40-**SO**
Clear Lens (CA)

4000K CCT
WATTS: 28
LUMENS: 3065
LPW = 109
Distribution:
100% Direct

WPPL-5-D-CA-40-**HO**
Clear Lens (CA)

4000K CCT
WATTS: 35
LUMENS: 3814
LPW = 109
Distribution:
100% Direct

6"

WPPL-6-CA-40-**LO**
Clear Lens (CA)

4000K CCT
WATTS: 21
LUMENS: 2363
LPW = 112
Distribution:
100% Direct

WPPL-6-D-CA-40-**SO**
Clear Lens (CA)

4000K CCT
WATTS: 28
LUMENS: 3092
LPW = 110
Distribution:
100% Direct

WPPL-6-D-CA-40-**HO**
Clear Lens (CA)

4000K CCT
WATTS: 35
LUMENS: 3916
LPW = 110
Distribution:
100% Direct

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 form 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.

[1]Some 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.

Specifications

HOUSING: Die-formed, 20-gauge, cold rolled steel housing. Adjustable LED tray allows for continuous wall-to-wall illumination.

REFLECTOR: Reflector is die-formed, 20-gauge cold rolled steel finished in high gloss white enamel.

OPTICS: Satin Ice acrylic is standard. Asymmetric, collimating and clear acrylic lenses also available.

LEDS: 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; 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. Fixtures may also be installed in miniature grid, slot grid or drywall/plaster ceilings in either a flanged or trim-less configuration.

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. Inherently protected; suitable for insulated ceilings. Dry location only. Union Made in the United States of America. I.B.E.W. RoHS compliant.