

## Mechanical Configuration of Permlight White LED Systems

### PaletteLight Modules

1 Module plus wire is equivalent to approximately 1 foot



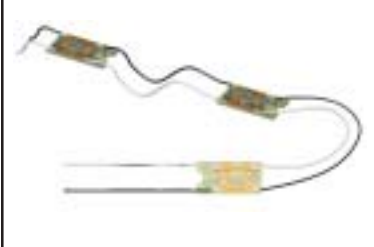
### PaletteLight MINI Modules

2 Modules plus wire are equivalent to approximately 1 foot



### Twiste'R Modules

3 (or 4 depending on desired intensity)  
LED Modules plus wire are equivalent  
to approximately 1 foot



## All Permlight White LED Systems Use WideView™

What is WideView? It is the term we use for LED systems with viewing angles of 180 degrees. WideView allows you to use shallower letters and use less modules to light the same physical space. WideView also fills in the cold spots in script signs with hard-to-reach spots. Since WideView technology does not narrow/focus the LEDs, halo lit letters can be mounted as close as 1/4" away from the mounting surface.

- Shallower channel letters means less aluminum
- Fewer strokes means lower cost LED budget
- Excellent dispersion means consistent illumination
- Only 1/4" returns needed on halo lit signs



Permlight's PaletteLight, PaletteLight Mini and Twiste'R products feature this enabling technology as standard off-the-shelf.

For the latest information on Permlight's Products visit our website at <http://www.permlight.com>

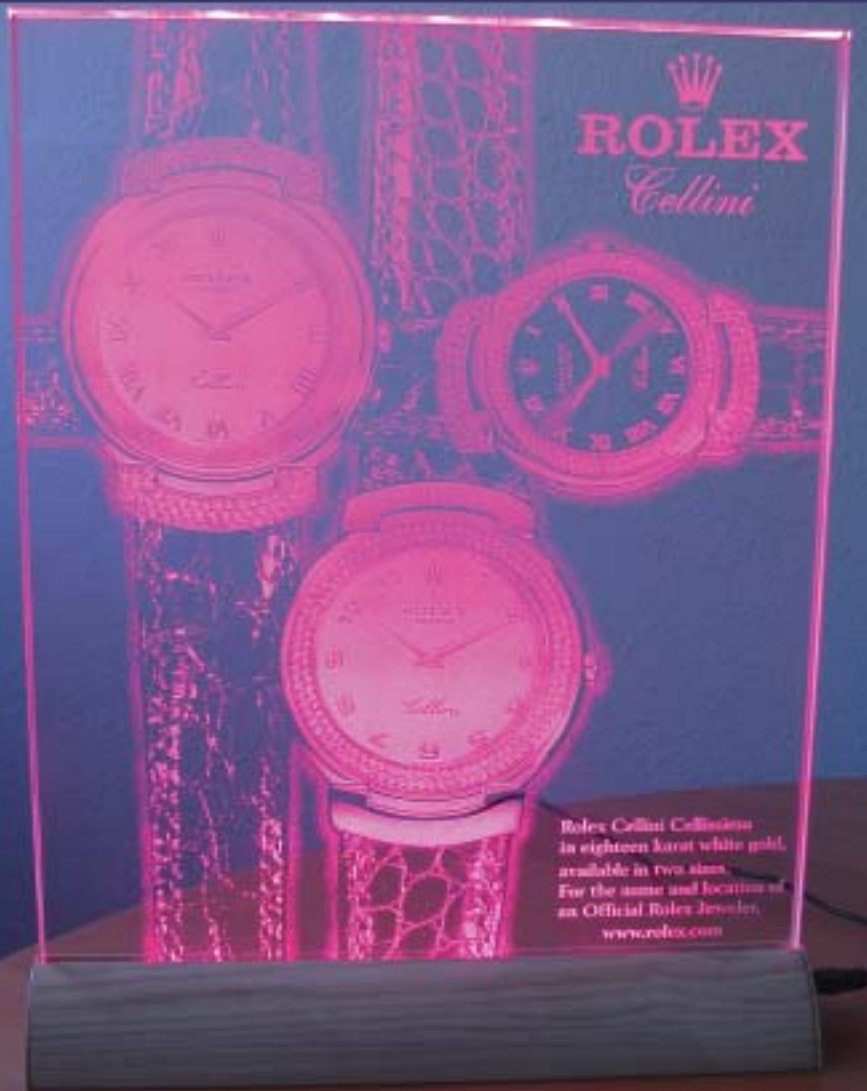
TEAR ALONG THE PERFORATED EDGE

**We Dare You to Destroy any  
Permlight LED Module in this  
Gemini Letter...We Dare You**



**Permlight's WideView technology together with Gemini's diffuse faces allows for up to 10% of the LED modules in this sign to go out before you can notice it....that means longer life, less maintenance, and happier customers. So take our challenge, buy a Gemini Letter and Permlight PaletteLight MINI modules and then destroy some of the LED modules...lets us know what you see.**

**Think of Your Customers that Would Like this Display on Their Counter**



Rolex Collini Collisions in eighteen karat white gold, available in two sizes. For the name and location of an Official Rolex Jeweler, [www.rolex.com](http://www.rolex.com)

**Permlight LED Edgelit Kit Systems (magenta LED shown), 3 Dimensional pattern decoration from KolorFusion (wood grain), and laser etching from Coney Island Glass. Buy your edgelit kit today and put this type of sign in your customer's hands.**

## White LED Reference Sheet

PERMLIGHT

### Which One is Right for Your Application?

This sheet outlines which White LED system is best for your application. Permlight offers three (3) different white LED systems, depending on size of channel letter, application, or end desired light output.

All White products from Permlight feature "WideView" technology that offers a 180° viewing angle, dispersing light wider than any system currently available on the market.

Each White LED system uses Permlight's Patented "LoTemp" technique, which ensures that every LED is run cool providing warranted lifetime of 5 years.

All White LED systems from Permlight are 12Vdc and are UL Recognized Components listed in the Sign Accessories Manual (SAM).



PaletteLight Mini in 3" Return 18" Letter

### Choose the Product for Your Application

Application	Type	Height	Recommended	
			Return	Permlight Part
Channel Letter	Front Lit - White Face	9-12"	2"	<b>752-WHT Twister</b>
	Halo Lit	9-12"	1/2"	<b>752-WHT Twister</b>
	Front Lit - White Face	15-24"	2"	<b>780-MINI- White</b>
	Halo Lit	15-24"	1"	<b>780-MINI- White</b>
	Front Lit - White Face	30-36"	3-4"	<b>780-White</b>
	Halo Lit	30-36"	3-4"	<b>780-White</b>
Gemini Letters	Die Cast Halo Lit	7"	1/2"	<b>752-WHT Twister</b>
	Die Cast Halo Lit	9"	1/2"	<b>752-WHT Twister</b>
	Die Cast Halo Lit	12"	1/2"	<b>752-WHT Twister</b>
	Plastic Channel Letter	12"	5"	<b>780-MINI-White</b>
	Plastic Channel Letter	18"	5"	<b>780-MINI-White</b>
Application	Type	Light Projection	Product Replaces	Permlight Part
Architectural Lighting	Alcove Replacement	18-24"	Fluorescent	<b>780-White</b>
	Egress Lighting	36"	Incandescent	<b>500-W SeatLight</b>
	Under Cabinet	18-24"	Fluorescent	<b>502-W ButtonLight</b>
	Reach In Freezer	4 ft	Fluorescent	<b>780-W-48-CoolLT</b>
	Reach In Freezer	5 ft	Fluorescent	<b>780-W-60-CoolLT</b>

#### Warranty Notes:

Permlight's White LED modules are warranted for 5 years and its White LED fixtures are warranted for 2 years with a useable lifetime of up to 10 years. Permlight does not warrant color shifts or light output degradation.

For the latest information on Permlight's Products visit our website at <http://www.permlight.com>

TEAR ALONG THE PERFORATED EDGE