

# Technical Data

Effective July 2015

Project Name:	Prepared By:
Project Number:	Date:
Catalog Number:	Type:

## Applications

Arrow Hart's patrol line of dimmable wallbox nightlights is the only combination nightlight device on the market that allows for dimming to set the perfect level of light desired. Patrol offers improved way finding and safe navigation in dimly lit rooms and the nightlights are also automated, using a light-sensor to automatically turn the nightlight ON and OFF. The patrol nightlight series has many possible applications in both residential and commercial settings including bedrooms, bathrooms, kitchens, children's rooms, hotel rooms, dormitories and assisted living facilities. The 7737 full nightlight devices can also be wired in a series and controlled by a switch for applications such as hallways or stairways.

**Table 4. Specifications**

Catalog no.	7738 Series	TR7735 and TR7736 Series	7737 Series
<b>Device type</b>	Combination LED nightlight switch	Combination LED nightlight receptacle (15A, 20A),	Full nightlight
<b>Wiring type</b>	Back & side wire	Back & side wire	Back & side wire
<b>Testing &amp; code compliance</b>	cULus listed to UL1472, file no. E47967	cULus listed to UL1472, file no. E47967	cULus listed to UL1472, file no. E47967
<b>Environmental specifications</b>	<b>Flammability:</b> meets UL 94 requirements; V2 rated <b>Temperature rating:</b> -20°C to 60°C (-4°F to 140°F)	<b>Flammability:</b> meets UL 94 requirements; V2 rated <b>Temperature rating:</b> -20°C to 60°C (-4°F to 140°F)	<b>Flammability:</b> meets UL 94 requirements; V2 rated <b>Temperature rating:</b> -20°C to 60°C (-4°F to 140°F)
<b>Electrical specifications</b>	<b>Dielectric voltage:</b> switch withstands 1500V per UL20. <b>Temperature rise:</b> max 30°C (86°F) after 100 cycles of overload and 30,000 cycles of endurance testing <b>Current interrupting:</b> yes, at full-rated current	<b>Dielectric voltage:</b> receptacle withstands 2000V per UL498 <b>Temperature rise:</b> max. 30°C (86°F) after 100 cycles of overload @ 150% of rated current (DC). <b>Current interrupting:</b> yes, at full-rated current	<b>Dielectric voltage:</b> 1240V per UL1598 <b>Temperature Rise:</b> max. 30°C (86°F) <b>Current interrupting:</b> yes, at full-rated current.
<b>Mechanical specifications</b>	<b>Wiring types:</b> Single-pole <b>Base device terminal accommodation:</b> #14 - #12 AWG <b>Voltage ratings:</b> permanently marked on device	<b>Wiring types:</b> NA <b>Base device terminal Accommodation:</b> #14 - #12 AWG <b>Voltage ratings:</b> permanently marked on device	<b>Wiring types:</b> NA <b>Base device terminal accommodation:</b> #14 - #12 AWG <b>Voltage ratings:</b> permanently marked on device

**Table 5. Materials**

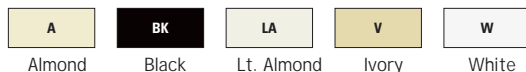
Catalog no.	7738 Series	TR7735 and TR7736 Series	7737 Series
<b>Face</b>	PVC	PVC	PVC
<b>Base</b>	PVC	PVC	PVC
<b>Backlight</b>	PC	PC	PC
<b>Strap</b>	0.045 thick steel, zinc plated	0.045 thick steel, zinc plated	0.045 thick steel, zinc plated
<b>Auto ground clip</b>	Phosphor bronze	Phosphor bronze	Phosphor bronze
<b>Line contacts</b>	0.030 thick brass	0.030 thick brass	0.030 thick brass
<b>Ground contacts</b>	NA	0.030 thick double wipe brass	NA
<b>Terminal screws</b>	#8-32 steel, brass plated	#8-32 steel, brass plated; neutral screw nickel plated	#8-32 steel, brass plated; neutral screw nickel plated
<b>Ground screw</b>	#8-32 steel, zinc plated, green	#8-32 steel, zinc plated, green	#8-32 steel, zinc plated, green

**Table 6. Illumination**

Catalog no.	7738 Series	TR7735 and TR7736 Series	7737 Series
<b>Light source</b>	3 LED s, 140 Max lumens output, 1Fc @ 0.9 ft., 50,000 hours lamp life	3 LED s, 140 Max lumens output, 1Fc @ 0.9 ft., 50,000 hours lamp life	3 LED s, 140 Max lumens output, 1Fc @ 0.9 ft., 50,000 hours lamp life

**Table 7. Color ordering information**

For ordering devices, include Cat. no. followed by the color code: A (Almond), BK (Black), LA (Light Almond), V (Ivory), W (White)





# LED Dimmable Nightlights

## Product description

15A 120V/AC, 15A & 20A 125 V/AC, 1W

## Design features

Nightlights are dimmable to desired light level

Nightlight is controlled by a photo sensor that turns ON in the dark, OFF in the light

Tamper resistant shutters provide compliance with 2014 NEC Article 406.12 that states that all 15A and 20A, 125V receptacles installed in dwelling units must be tamper resistant (TR7735 and TR7736)

## LED Dimmable nightlight w/receptacle

Catalog no.	Description	Rating		Color suffix
		Amps	V/AC	
□ TR7735__	Nightlight w/receptacle	15	120/277	A, BK, LA, V, W
□ TR7736__	Nightlight w/receptacle	20	120/277	A, BK, LA, V, W

Compliant with: cULus Listed to UL498, file no. E15058, NOM certified

## LED Dimmable nightlight w/switch

Catalog no.	Description	Rating		Color suffix
		Amps	V/AC	
□ 7738__	Nightlight w/switch	15	120/277	A, BK, LA, V, W

Compliant with: cULus Listed to UL20, file no. E18704, NOM certified

## LED Dimmable nightlight

Catalog no.	Description	Rating		Color suffix
		Amps	V/AC	
□ 7737__	Full nightlight	15	120/277	A, BK, LA, V, W

Compliant with: cULus Listed to UL1598, file no. E334295, NOM certified

## Color ordering information

For ordering devices, include Catalog no. followed by the Color suffix: A (Almond), BK (Black), LA (Light Almond), V (Ivory), W (White)



Testing & code compliance: cULus Listed to UL 498 le no. E15058, UL20 le no. E18704, UL158 le no. E334295, NOM certi ed. Material characteristicsEnvironmental: Flammability meets UL94 requirements, V2 rated. Temperature rating: -35°C to 66°C (-31°F to 150.8° F)



TR7735A



7738W



TR7737LA



TRSGFNL15W

# GFCI Nightlights

## Product description

15A 120/277V/AC, 4-Way

## Design features

Provides code compliance for areas requiring GFCI protection with addition of nightlight for easy and safe way-finding in the dark

Light sensor turns LED nightlight ON in the dark and OFF in the light

LEDs produce color temperature of 3000-3500K for a warm incandescent-like glow

Automatically self-tests periodically to ensure GFCI protection

End-of-life lockout and denial of power

Second indicator light signifies test status

Mid-size wallplate included

## GFCI Nightlights

Catalog no.	Description	Rating			Color suffix
		NEMA	Amps	V/AC	
□ TRSGFNL15__	Tamper resistant duplex GFCI w/nightlight	5-15	15	125	A, BK, LA, V, W
□ TRSGFNL20__	Tamper resistant duplex GFCI w/nightlight	5-20	20	125	A, BK, LA, V, W

Compliant with: cULus Listed to UL498 & UL943, file no. E60120, NOM certified

## Color ordering information

For ordering devices, include Catalog no. followed by the Color suffix: A (Almond), BK (Black), LA (Light Almond), V (Ivory), W (White)



Testing & code compliance: cULus Listed to UL 498 and UL 943, le no. E60120, Meets all UL 943 (GFCI), UL 498 (Receptacles) and applicable CSA requirements, NOM certifiedMaterial characteristicsEnvironmental: Flammability meets UL94 requirements, V2 rated. Temperature rating: -35°C to 66°C (-31°F to 150.8° F)



