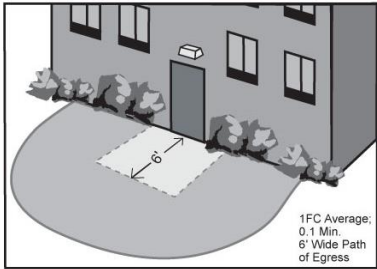


Emergency Circuit 12-Volt Fixture Choices

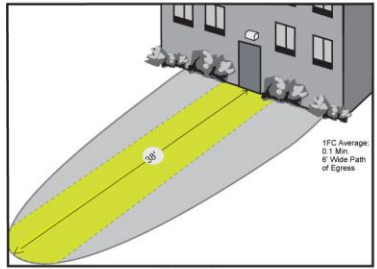
Aeris™ Luminaires, Architectural Sconces, TWF1 and TWAC - DC12

Aeris ASW luminaires and Architectural Sconces (WSR, WST, WSTM and WSQ) are available with either one- or two-lamp configurations of 20-watt or 35-watt MR11 lamps. These lamps fit into the same area on the reflector tray as the test switch and indicator light for the integral battery pack.

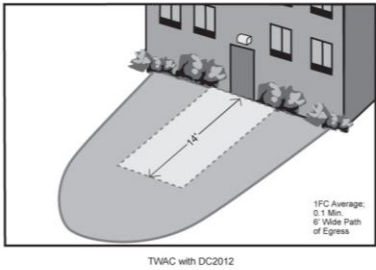
The application information to the right demonstrates the area of coverage with the Architectural Sconce mounted at 12', while the DC12 option is in operation. The DC12 option is also available in the TWAC Series with either 20- or 35-watt lamps in one- or two-lamp configurations. The DC12 lamps mount to a special fixed bracket attached to the component cover on either side of the main reflector. Providing two lamps will prevent leaving an area in total darkness if one of the lamps should fail.



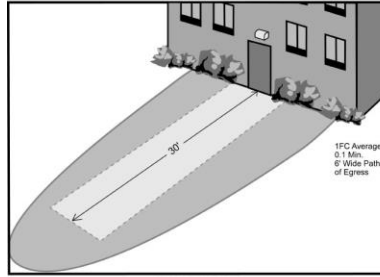
WSR with (1) 35W DC12 - 12' Mounting Height



TWAC with (2) 35W 2DC12 - 12' Mounting Height



TWAC with (1) 20W DC2012 - 12' Mounting Height



TWAC with (2) 20W 2DC2012 - 12' Mounting Height

12-Volt Emergency Circuit	Wall Packs								Area	
	ASW	MRW	TWAC	TWF1	WSQ	WSR	WST	WSTM	AS1 AST1	KVF1 KVR1
DC12 (35-watt MR11 lamp)	X	X	X	X	X	X	X	X	X	X
2DC12 (2 - 35-watt MR11 lamps)	X	X	X	X	X	X	X	--	--	X
DC2012 (20-watt MR11 lamp)	X	X	X	X	X	X	X	X	X	X
2DC2012 (2 - 20-watt MR11 lamps)	X	X	X	X	X	X	X	--	--	X

**Time delay option enables fixture to continue emergency mode operation after AC power has been restored while HID lamps to return to full illumination

12-Volt Emergency Circuit	Emergency Light Output	Min. size Quantum Emergency Unit	...with time delay option**
DC12 (35-watt MR11 lamp)	660	ELM1254	ELM1254 N TD
2DC12 (2 - 35-watt MR11 lamps)	1320	ELM1272 RO	ELM1272 RO TD
DC2012 (20-watt MR11 lamp)	350	ELM1254	ELM1254 N TD
2DC2012 (2 - 20-watt MR11 lamps)	700	ELM1254 RO	ELM1272 RO TD

**Time delay option enables fixture to continue emergency mode operation after AC power has been restored while HID lamps to return to full illumination.

To address the growing need of emergency egress lighting and the requirements of the Life Safety Code, Lithonia Lighting now provides the DC12 emergency circuit option. This feature equips the fixture with one or two 12-volt DC bayonet base 20-watt or 35-watt MR11 lamps. Low-voltage lamps, powered by an external battery source, are provided in addition to the HID lamps and will supply illumination along the path of egress when there is a power interruption to the primary HID source.

In a typical application, the emergency 12-volt power would be supplied from a battery source external to the fixture, usually located within the building by an emergency lighting unit such as Lithonia's Indura or Titan Series (refer to diagram A below). Labeled leads that connect to the battery source are provided.

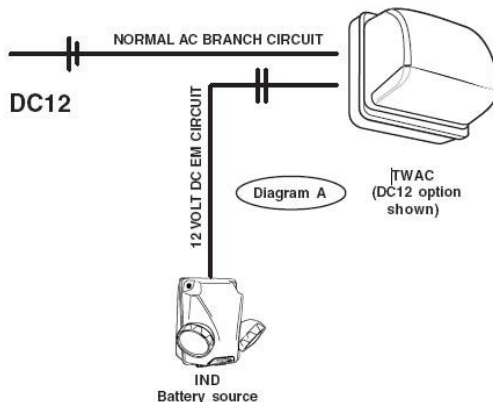


TABLE 1

DC Options	Initial Lumens (per lamp)	LAMP TYPE	
		10° Spot	29° Spot
DC2012 (1) 20W lamp	350		X
2DC2012 (2) 20W lamps	350	X	X
DC12 (1) 35W lamp	660		X
2DC12 (2) 35W lamps	660	X	X

Table 2 below illustrates the distance, by wire size, allowed between the battery source and emergency luminaire at 5% maximum voltage drop per National Electric Code.

12-Volt DC Voltage Drop Table
Distance between battery pack & luminaire
(5% maximum voltage drop)

TABLE 2

Wire Size	DC2012 (1) 20W lamp	2DC2012 (2) 20W lamps	DC12 (1) 35W lamp	2DC12 (2) 35W lamps
16 AWG	35'	15'	20'	10'
14 AWG	50'	25'	30'	15'
12 AWG	85'	40'	50'	25'
10 AWG	140'	70'	80'	40'

If using an HID source as your primary lamp, it is recommended that a time delay (TD) option be used in the emergency lighting unit so that the DC12 lamp stays on until the HID lamps come up to full brightness. The chart below outlines a few of the battery sources available from Lithonia Emergency Systems that will work in conjunction with the DC12 option in Lithonia HID products.

TABLE 3

Series	Nomenclature	Lamp Heads Watts/lamp	Output Volts	Remote Wattage Available
Indura	IND12150 XTRA	9	12	132
Titan	ELT125 TD	12	12	101