philips dynalite

System Manager

System Dashboard

Installation Guide

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Accessing the Dashboard 1

Once installed, the System Dashboard shows the health of the lighting system on one screen:

- It shows a graph of energy usage for the site, a floor, or an individual area
- It presents counts of any offline devices or lamps, details of any emergency test failures or any other • network issues.
- It lists upcoming schedules for the site, a floor, or an individual area. .
- It displays links to more information on recent alerts. •

To access the System Dashboard (when installed with default settings), go to the following URL:

https://127.0.0.1:3260/PC/ or https://localhost:3260/PC/

8 If you would like to add user management or a custom certificate to your dashboard, refer to the procedure in section 3. However, this may change the default address of the dashboard.

1.1 **Dashboard elements**

System overview page

- Menu areas, schedules, and alerts 1.
- 2. System Health system alert summary
- 3. Upcoming Schedules
- 4. Energy Usage Graph
- 5. Recent Alerts



2

Schedules overview page



English | Dutch | Français

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Alerts overview page

Aleri	.S			
ALL 33	Lamps 2	5 Devices 8 Emergency Test	Alerts	
Showing 1 t	o 10 of 33 e	entries	Search:	
Severity 💵	State 11	Source	lt Name It	Date 11
Alarm	Created	A2218 - Finance	Lamp Failure DDBC120-DALI V4 - Above, Left - Fed DB6 CB - A2218 - Financ-Channel 7	20-04-2020 05:41
Alarm	Created	Simon B, Matt	Lamp Failure DDBC120_DALI #3090 - Simon B, Matt-Channel 2	16-04-2020 08:23
Alarm	Created	Comms Room	Lamp Failure DDBC120_DALI #3077 - Comms Room-Channel 1	11-02-2020 03:01
Alarm	Created	Standing Meeting Area	Lamp Failure DDBC120_DALI #3077 - Standing Meeti-Channel 3-2	10-02-2020 07:13
Alarm	Created	Dropbear	Lamp Failure DDBC120_DALI #3077 - Dropbear-Channel 2	10-02-2020 07:12
Alarm	Created	Irving, Sean, Kai	Lamp Failure DDBC120_DALI #3077 - Irving, Sean, -Channel 3	10-02-2020 07:11
Alarm	Created	Jagu, Mike, Emma, Ryan	Lamp Failure DDBC120_DALI #3077 - Jagu, Mike, Em-Channel 3	10-02-2020 05:41
Alarm	Created	A2219 - Reception	Lamp Failure DDBC120-DALI V4 - Adj/Fed DB6 CB28 - A2219 - Recept-Channel 17	20-06-2019 06:01

Clicking on an Alert gives you more information.

2 Installing System Manager

2.1 Configure IIS

On the SM Server, open Windows Control Panel > Programs and Feature > Turn Windows features on and off.

Enable Internet Information Services.

🔄 Wind	ows Features	-		×		
Turn Windows features on or off						
To turn a feature on, select its check box. To turn a feature off, clear its check box. A filled box means that only part of the feature is turned on.						
± 🔳	.NET Framework 3.5 (includes .NET 2.0 and 3	3.0)		^		
🗉 🔳 📕	.NET Framework 4.7 Advanced Services					
	Active Directory Lightweight Directory Servi	ces				
	Containers					
	Data Center Bridging					
E 🗆 📜	Device Lockdown					
	Guarded Host					
🕀 🗌 📜	Hyper-V					
	Internet Explorer 11					
🗄 🔳 📜	Internet Information Services					
	Internet Information Services Hostable Web	Core				
🕀 🗌 📜	Legacy Components					
∃ 🗸 📜	Media Features			~		
		ОК	Car	ncel		

 Whenever an IIS setting is updated, you need to change/modify .NET Core 3.1.1 or later. Select:

Programs and Features > Microsoft .Net Core 3.1.1 Windows Server Hosting > Change > Repair.

Uninstall or change a program

Organize 🕶 Uninstall Change

To uninstall a program, select it from the list and then click Uninstall, Change, or Repair.

🛃 Microsofi	.NET Core 3.1.1 - Windows Server Hosting Setup —	×
.NET	Microsoft .NET Core 3.1.1 Windows Server Hosting	
Modif	y Setup	
Please resta <u>here</u> .	rt IIS after the installation completes. You can find additional inform	ation
	Repair Uninstall CI	ose

Enable these additional features (Example, Windows Server 2016).

Web Server (IIS) (31 of 43 installed)
Web Server (24 of 34 installed)
 Common HTTP Features (Installed)
Default Document (Installed)
 Directory Browsing (Installed)
✓ HTTP Errors (Installed)
✓ Static Content (Installed)
✓ HTTP Redirection (Installed)
WebDAV Publishing (Installed)
 Health and Diagnostics (4 of 6 installed)
HTTP Logging (Installed)
 Custom Logging (Installed)
Logging Tools
ODBC Logging
Request Monitor (Installed)
Tracing (Installed)
 Performance (1 of 2 installed)
 Static Content Compression (Installed)
Dynamic Content Compression
 Security (6 of 9 installed)
Request Filtering (Installed)
Basic Authentication (Installed)
 Centralized SSL Certificate Support (Installed)
Client Certificate Mapping Authentication (Installed)
Digest Authentication
Its Client Certificate Mapping Authentication (Installed)
IP and Domain Restrictions IID Authorization
ORL Authorization
 Windows Authentication (Installed) Application Development (7 of 11 installed)
 Application Development (7 of 11 installed) MET Extensibility 2.5 (Installed)
 NET Extensibility 3.5 (Installed) NET Extensibility 4.6 (Installed)
Application Initialization
✓ ASP NET 3.5 (Installed)
✓ ASP NET 4.6 (Installed)
✓ ISAPI Extensions (Installed)
✓ ISAPI Filters (Installed)
Server Side Includes
WebSocket Protocol (Installed)
FTP Server
 Management Tools (Installed)
IIS Management Console (Installed)
IIS 6 Management Compatibility (Installed)
IIS Management Scripts and Tools (Installed)
Management Service (Installed)

In case it isn't installed, you can download from: https://dotnet.microsoft.com/download/dotnet-core/3.1

2.2 Install PostgreSQL database

The Data Access service requires the PostgreSQL database to be installed (version 10 or later).

Download the installation package from. <u>https://www.postgresql.org/download/windows/</u>

You must install the PostgreSQL Data Access (DA) database and configure Internet Information Services
 (IIS) before installing the other System Manager components

Install PostgreSQL database:

- 1. Right click the PostgreSQL setup file from an explorer window and select Run as administrator. The PostgreSQL Setup Wizard opens.
- 2. Click next in the PostgreSQL Setup Wizard.
- 3. Click next for Installation Directory.
- 4. Click next for Select Components.
- 5. Click next for Select Data Directory.
- 6. Enter database superuser password and retype password.

The DA password is encrypted so ensure you store a copy in a secure location for future reference. The password will be required later when installing System Manager.

<table-of-contents> Setup</table-of-contents>					_		×
Password							
Please provide a p	assword for the database	e superuser (pos	tgres).				
Password	******]					
Retype password	******]					
To a table of the second							
Instalibuider —			< Back	Nex	ct >	Can	cel

- 7. Click next for Select Port number.
- 8. Click next and select your language and location, if applicable.
- 9. Click next for Display pre-installation summary.
- 10. Click next for Ready to begin installation.
- 11. Uncheck the launch Stackbuilder checkbox and click finish.

2.3 Install SM prerequisites

Right click the System Manager prerequisite setup file from an explorer window and select Run as administrator (Philips.Dynalite.System.Manager.Prerequisites_v1.3.0.0.exe).

Once the prerequisite software is installed the wizard ends automatically.

2.4 Install System Manager software suite

Install System Manager software suite:

- 1. Run the Philips Dynalite System Manager (.exe) install file, as administrator.
- 2. When installing the System Manager software, select the Data Access checkbox in the wizard and click next.

Interact Hospitality - InstallShield Wizard		×
Select Features Select the features setup will install.		A
Select the features you want to install, and deselect the System Manager System Manager Server OPC Server Client Setup Repository System Manager Client Repository Philips Dynalite Switch Repository System Builder System Builder Data Access	e features you want to uninstall. Description This option installs System Manager Conf	er iguration
0.00 MB of space required on the C drive 336076.06 MB of space available on the C drive InstallShield	< Back Next >	Cancel

3. During installation, enter the password previously created for the postgreSQL database super user account and click next.

Interact Hospitality - I	nstallShield Wizard	×
Database Setup		
Please request a n Manager.	w license to upgrade to this version of System	
Please provide a p	assword for the database superuser.	
Postgres server:	localhost	
Super user:	postgres	
Password:	••••••	
InstallShield ———		
	<back next=""></back>	Cancel

4. Enter the same password twice to create the Database name and Username and click next.

Interact Hospitality - InstallShield Wizard							
Database Setup Please request a new license to upgrade to this version of System Manager.							
Specify a Postgres D	atabase name, User name and Password.						
Database name:	DataAccess						
Username:	DataAccessUser						
Password:	••••••						
Retype password:	••••••						
InstallShield							
	< Back Next > Cancel						

5. Click OK after the wizard has successfully created the Data Access database and user. The Installation continues to install the remaining System Manager components.



6. Click the Finish button to complete the installation.

Interact Hospitality - InstallShield Wizard						
	InstallShield Wizard Complete The InstallShield Wizard has successfully installed Interact Hospitality. Click Finish to exit the wizard.					
	< Back Finish Cancel					

2.5 Check server operation

In the System Manager Configuration tool, the status should show Data Access is Running.

Philips Dynalite System Manager Configuration (Connected) -					
System Manager	Configuration				
Client Version: 1.24.22.6719 Server Version: 1.24.22.6719	0		LUX\300229508 Language Logout		
Job Name:Image: Colorador of the second	My Project Connected - 5 / 5 TCP Connection .\EMSERVER\Hotel_Simulation .\EMSERVER\Hotel_Simulation_Trend .\EMSERVER\Hotel_Simulation_Alarms	Site Settings Manage Users	Run Quickstart		
System Manager Service Status Logger Service Status NetworkProvider Service Status Data Access Service Status	Running Running Running				
License Information Features: Interact Hospitality, Web Gateway Connection Count: Unlim Project Name: Peter TimeZone: (UTC+10:00) Canberra, Machine specific license	API and System Dashboard ited Melbourne, Sydney	Selling Partner Information	Request License Apply License		
			Monitor System		

Enable Trending and Data Access in System Manager Config.

😟 Site Settings			- [> X
Network Application Log	₹↓			
System Settings	Delay after switching CBS (seconds)	10		~
SMTP Server	Behaviour			
SMTP Message	Lamp end of life (hours)	500		
Presence Detection	Temperature unit	Celsius (°C)		
···· Public Holidays	Minimum temperature setpoint	15		
···· Notifications	Maximum temperature setpoint	28		
Location and Time Zone	me Zone Temperature setpoint change unit 1	1		
- Data Access	Replace failed lamps automatically	False		
±. Fidelio	Flash error and offline icon status	False		
	Length of a day (hours)	24		
	Maintain plan zoom level	✓ True		
	Enable Trending	True		
	Cache all plans on site login	False		

Enable Data Access

localhost
localhost
8734
••••

In Windows Task Manager, ensure that the five Philips Dynalite System Manager services are running.

r∰ Task M File Optio	lanager ons View								- 0	×			
Processes	Performance	App history	Startup	Users	Details	Services							
Name	Name			PID	Descript	ion	Status	Group	^				
p2psvc						Peer Ne	tworking Grouping	Stopped	LocalServiceP				
PcaSvc					8288	Program	Compatibility Assistant Service	Running	LocalSystemN				
PeerDist	PeerDistSvc					Branch	Cache	Stopped	PeerDist				
PerfHos	t					Perform	ance Counter DLL Host	Stopped					
🔍 Philips I	Dynalite Data A	ccess Server			3608	Philips I	Dynalite Data Access Server	Running					
A Philips I	Dynalite Logger				3624	Philips I	Dynalite Logger	Running					
🔍 Philips I	Dynalite Netwo	rk Provider			3652	Philips I	Dynalite Network Provider	Running					
🔍 Philips (Philips Dynalite System Manager OPC Server			3712	Philips (Oynalite System Manager OPC Data Access 3.0 Philip	Running						
🔍 Philips (🖓 Philips Dynalite System Manager Server			6592	Philips I	Dynalite System Manager Server	Running						
C. PhoneS	C PhoneSvc				Phone S	ervice	Stopped	Stopped LocalService					
🔍 Pimlnde	exMaintenance	Svc				Contact	Data	Stopped	UnistackSvcGr				
PimIndexMaintenanceSvc_29fd3d 9080 Contact				Contact	Data 29fd3d	Running	UnistackSvcGr						

If the system is connected and there is live data going into the TrendDB, then you can check C:\ProgramData\Dynalite\DataAccess\Logs\DataAccessServer.log to see incoming Sync messages.

2018-02-02 11:15:58,647	[641] INFO - Stopping DataAccess Server	٦
2018-02-02 11:20:35,505	[7] INFO - Starting DataAccess Server	
2018-02-02 11:20:36,852	[7] INFO - Starting DataAccess Server is ready	
2018-02-02 11:20:52,834	[15] INFO - (SyncConfigurationData) Synced Plan data of site (3ac338d2-7d95-42c7-bc56-4aa1a55b496e)	
2018-02-02 11:20:52,954	[15] INFO - (SyncConfigurationData) Synced Tag data of site (3ac338d2-7d95-42c7-bc56-4aa1a55b496e)	
2018-02-02 11:20:52,966	[15] INFO - (SyncConfigurationData) Synced Holiday data of site (3ac338d2-7d95-42c7-bc56-4aa1a55b496e)	
2018-02-02 11:20:53,289	[15] INFO - (SyncTrendData) Synced actual notional energy data of site 3ac338d2-7d95-42c7-bc56-4aa1a55b496e	
2018-02-02 11:20:53,464	[16] INFO - (SyncTrendData) Synced maximum notional energy data of site 3ac338d2-7d95-42c7-bc56-4aa1a55b496e	

3 Setup secure access

To establish secure access to System Manager requires the following two features to be configured on the other server or user's PC:

- 1. User authentication
- 2. HTTPS certificate

3.1 User authentication

For user authentication, you need to create a username and password for each user. This is necessary so that users on their own PC, can authenticate on the prompt and gain access to the secured Dashboard and/or API resources.

Add a user for basic authentication:

1. Run Computer Management by searching for **Computer Management** in the Windows search toolbar.



- 2. Navigate to Local Users and Groups > Users. Right-click on the Users folder and select New User.
- 3. Enter new user details and access settings and click **Create**, then click **Close**.

New User				?	×					
User name:	user	name								
Full name:	user	usemame1								
Description:	Description: a user									
Password: Confirm password	d:	•••••								
User must char	nge pa ange er expir	ssword at next log bassword es	on							
Account is disa	Died									
Help			Create	Clo	ose					

4. Once the user has been created, check its membership to the Users group by right-clicking the newly created user and select **Properties** and **Member Of** tab.



Enable basic authentication:

1. Within Internet Information Services (IIS), select **Philips Dynalite Dashboard** (or relevant Web Site) and double-click **Authentication**.

Internet Information Services (IIS) Ma	inager										- (×
← → ● DESKTOP → Sites	 Philips Dyna 	alite Dashboard	•									🔓 🔞 •
File View Help												
Connections 2 I Image: Connections Image: Connections Image: Connections Image:	Philips Dynalite Dashboard Home										Ctions Open Feature Explore	
Application Pools Application Pools Second Street Application Pools Other Street Application Pools Other Street Application Pools Other Street Application Pools Application Pools Other Street Other Other Street Other Street Other	ASP.NET .NET Authorizat Connection Strings	.NET Compilation Machine Key	Add .NET Error Pages Pages and Controls	.NET Globalization Reviders	.NET Profile	.NET Roles	.NET Trust Levels	.NET Users	Application Settings	N	Edit Permissions Edit Site Bindings Basic Settings View Applications View Virtual Direct Ianage Website Restart	ories
	IIS ASP HTTP Redirect	Authenticati on HTTP Respon	Authorizat Rules ISAPI Filters	CGI CGI Logging	Compression F MIME Types	Default Document	Directory Browsing Uirectory Browsing Output Caching	Error Pages	Handler Mappings SSL Settings		Start Stop Browse Website Browse *:3260 (http Advanced Settings Configure Limits Help	25)
< >> Ready	Features Vie	ew 🕼 Conter	t View									•1.

2. Select Basic Authentication and click **Enable** on the right-hand side.

Group by: No Grouping •					
Name	Status	Response Type			
Anonymous Authentication	Enabled				
ASP.NET Impersonation	Disabled				
Basic Authentication	Enabled	HTTP 401 Challenge			
Forms Authentication	Disabled	HTTP 302 Login/Redirect			
Windows Authentication	Enabled	HTTP 401 Challenge			

3.2 HTTPS Certificate

To enable a secure HTTPS connection to System Manager you need to create an TLS certificate.

Create an TLS certificate:

1. Within Internet Information Services (IIS), select the root item and double-click Server Certificates.



- 2. Either select Create Certificate Request to begin the process of registering for a proper qualified TLS certificate or select Create a Self-Signed Certificate to prepare a locally validated certificate for use. The caveat for this is you will be presented with a 'Not secure' warning when logging into the website.
 - a. If you have selected to Create Certificate request, follow the IIS certificate authority request process.
 - b. If you have selected to Create Self-Signed Certificate, provide a friendly name for the certificate (e.g. localhost) and store (e.g. Web Hosting) and click **OK**.

		Create Self-Signed Certificate	?	×
Ac	tions	County Sciently Name		
	Import	specify Friendly Name		
	Create Certificate Request			
	Complete Certificate Request	Specify a file name for the certificate request. This information can be sent to a certificate authority for		
	Create Domain Certificate	signing:		
	Create Self-Signed Certificate	Specify a friendly name for the certificate:		
	View	localhost		
×	Remove			
	Enable Automatic Rebind of Renewed	Select a certificate store for the new certificate:		
	Certificate	Web Hosting V		
?	Help	ОК	Cance	4

Once you have completed this process, your new certificate should now be issued.

Server C	ertificates		
Use this feature to req	uest and manage certificates that the Web se	erver can use with websites confi	igured for SSL.
Name	Issued To	Issued By	Expiration Date Cert
localhost	DESKTOP	DESKTOP	3/07/2019 10:00:00

3. To bind the new certificate to the Dashboard site (or relevant Web Site), in IIS, select Philips Dynalite Dashboard (or relevant website) and from the Actions panel, click **Edit Site > Bindings...**

internet Information Services (IIS) Ma	nager											-	×
ESKTOP-7PQT04L	J ▶ Sites ▶ F	hilips Dynalite	Dashboard I	•				Properties (A	lt+Enter)			1	
File View Help	<i>(</i>)										Actions		
2	Phi Phi	ilips Dyna	alite Dash	board H	ome								
DESKTOP-7PQTO4U (LUX\300229508)	Filter:		• 🐨 Go - 🕻	Show All	Group by: Are	a	-				Edit Permissions		
✓ 🐼 Application Pools	ASP.NET									<u>^</u> ^	Edit Site		
> 😌 Default Web Site	E	1	404					â.	¥=		Bindings		
> 👽 Philips Dynaiite Dashboard	.NET Authorizat	.NET Compilation	.NET Error Pages	.NET Globalization	.NET Profile	.NET Roles	.NET Trust Levels	.NET Users	Application Settings		View Applications View Virtual Direct	ories	
	ab	7		1	5	•					Manage Website		
	Connection	Machine Key	Pages and	Providers	Session State	SMTP E-mail					🕏 Restart		
	strings		Controis								Start		
		2	-	CGI	Ą	0		404	1	Î	Browse Website Browse *:3260 (htt	ps)	
	ASP	Authentic	Authorizat Rules	CGI	Compression	Default Document	Directory Browsing	Error Pages	Handler Mappings		Advanced Settings	h	
			3		-	#		8	9	~	Configure Limits		
< >	Features Vie	ew 💦 Conter	nt View								🕑 Help		
Ready													•

- 4. Click **Add...** to create a new Site Binding.
- 5. Change the type to https and configure the IP address, Port and Host name to suit your network setup.

Edit Site Binding				?	Х
Type: https ∨	IP address: All Unassigned		Port:		
Host name:					
localhost					
Require Server Nar	me Indication				
Disable HTTP/2					
Disable OCSP Stap	ling				
SSL certificate:					
localhost		~	Select	View	
			ОК	Cancel	

- 6. Select the TLS certificate you have created from the list of available TLS certificates and click **OK**.
- 7. Once created, click **Close** to return to the main IIS management page.
- 8. To ensure the new settings have been adopted, click **Restart** within the Manage Website panel.
- 9. Click **Browse** <provided host name> on <provided IP Address>:<provided Port> (https) to launch the website.

💐 Internet Information Services (IIS) Ma	inager											-	×						
↓ DESKTOP ↓ Sites	 Philips Dyna 	alite Dashboard	i •									-							
File View Help																			
Connections				la a surel 1 1.							Actions								
🖄 🖥 DESKTOP	Filter:	mps Dyna	• T Go		Show All Group by: Area •		Explore Edit Permissions		^										
Application Pools Sites Offault Web Site Offault Web Site Offault Philips Dynalite Dashboard	ASP.NET -	.NET Compilation	.NET Error Pages	.NET Globalization	.NET Profile .NET Role		T .NET Profile .NET Rol		.NET Trust Levels		Application Settings		.NET Users Application Settings		Users Application Settings		Edit Site Bindings Basic Settings View Applications View Virtual Directo	ories	_
	Connection Strings	Machine Key	Pages and Controls	Providers	Session State	SMTP E-mail					Manage Website		•						
	ASP	Authentic	Authorizat Rules	CGI	Compression	Default Document	Directory Browsing	Error Pages	Handler Mappings		Browse Website Browse *:3260 (http://www.aced.settings.	<mark>is)</mark>							
< >>	Features Vi	ew 💦 Conte	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee		J∎	F	D.	õ		~	Configure Limits Help								

For a self-signed-certificate, you may need to click advanced and proceed past the browser warning to view the website.