nLight®

Wired & Wireless Quick Reference Guide

Occupancy Sensors

Daylight Sensors

User Interfaces

Load Controllers

Backbone & Accessories

Introduction

The nLight Quick Reference Guide brings you the best of nLight in a simple, easy-to-read chart, including CAD symbols, product descriptions and technical resources…all designed to make specifying nLight a breeze.

Contents

nLight Wired

Wired Occupancy Sensors

Product Image	Model Name	CAD Symbol	Description
	nCM 9 RJB nCM 9 ADCX RJB		Low Voltage Ceiling Mount Passive Infrared Sensor; Small Motion 360° Low Voltage Ceiling Mount Passive Infrared Sensor; Small Motion 360°; Automatic Dimming Control Photocell
	nCM PDT 9 RJB nCM PDT 9 ADCX RJB		Low Voltage Ceiling Mount Dual Technology Sensor; Small Motion 360° Low Voltage Ceiling Mount Dual Technology Sensor; Small Motion 360°; Automatic Dimming Control Photocell
	nCM 10 RJB nCM 10 ADCX RJB		Low Voltage Ceiling Mount Passive Infrared Sensor; Large Motion 360° Low Voltage Ceiling Mount Passive Infrared Sensor; Large Motion 360°; Automatic Dimming Control Photocell
	nCM PDT 10 RJB nCM PDT 10 ADCX RJB		Low Voltage Ceiling Mount Dual Technology Sensor; Large Motion 360° Low Voltage Ceiling Mount Dual Technology Sensor; Large Motion 360°; Automatic Dimming Control Photocell
	nCM 6 RJB		Low Voltage Ceiling Mount Passive Infrared Sensor; High Mount 360°
	nRM 9 nRM 9 ADCX		Low Voltage Recess Mount Passive Infrared Sensor; Small Motion 360° Low Voltage Recess Mount Passive Infrared Sensor; Small Motion 360°; Automatic Dimming Control Photocell
	nRM PDT 9 nRM PDT 9 ADCX		Low Voltage Recess Mount Dual Technology Sensor; Small Motion 360° Low Voltage Recess Mount Dual Technology Sensor; Small Motion 360°; Automatic Dimming Control Photocell
	nRM 10 nRM 10 ADCX		Low Voltage Recess Mount Passive Infrared Sensor; Large Motion 360° Low Voltage Recess Mount Passive Infrared Sensor; Large Motion 360°; Automatic Dimming Control Photocell
	nRM PDT 10 nRM PDT 10 ADCX		Low Voltage Recess Mount Passive Infrared Sensor; Large Motion 360° Low Voltage Recess Mount Passive Infrared Sensor; Large Motion 360°; Automatic Dimming Control Photocell
	nRM 6		Low Voltage Recess Mount Passive Infrared Sensor; High Mount 360°
	nWV 16		Low Voltage Corner Mount Passive Infrared Sensor; Wide View 120°
	nWV PDT 16		Low Voltage Corner Mount Dual Technology Sensor; Wide View 120°

nLight Wired

Wired Daylight Sensors

Product Image	Model Name	CAD Symbol	Description
	nCM PC RJB	nCM PC	Low Voltage Ceiling Mount Sensor; On/Off Photocell
	nCM ADCX RJB	nCM ADCX	Low Voltage Ceiling Mount Sensor; Automatic Dimming Control Photocell
	nRM PC	nRM PC	Low Voltage Recess Mount Sensor; On/Off Photocell
	nRM ADCX	nRM ADCX	Low Voltage Recess Mount Sensor; Automatic Dimming Control Photocell
	nIO PC KIT	nIO PC KIT	Outdoor On/Off Photocell Kit

Wired Load Controllers

Product Image	Model Name	CAD Symbol	Description
	nPP16 EFP	nP 16	Power/Relay Pack; 16 Amp
	nPP16 D EFP	nP 16D	Power/Relay Pack; 16 Amp; 0-10V Dimming
	nPP16 DS EFP	nP 16 DS	Power/Relay Pack; 16 Amp; 0-10V Dimming via Side Slot
	nPP16 ER EFP	nP 16 ER	Power/Relay Pack; 16 Amp; Emergency Loads
	nPP16 D ER EFP	nP 16D ER	Power/Relay Pack; 16 Amp; 0-10V Dimming; Emergency Loads
	nPP16 DS ER EFP	nP 16 DS ER	Power/Relay Pack; 16 Amp; 0-10V Dimming via Side Slot; Emergency Loads
	nPP20 PL	nP 20 PL	Plug Load (Receptacle) Power Pack; 20 Amp
	nSP5 PCD 2W	nSP PCD 2W	Secondary Pack; Forward Phase Control Dimming; 2-Wire
	nSP5 PCD 3W	nSP PCD 3W	Secondary Pack; Forward Phase Control Dimming; 3-Wire
	nSP5 PCD MLV	nSP PCD MLV	Secondary Pack; Forward Phase Control Dimming; Magnetic Low Voltage
	nSP5 PCD ELV 120	nSP PCD ELV 120	Secondary Pack; Reverse Phase Control Dimming; 120VAC; Electronic Low Voltage
	ARP INTENC08 NLT 8FCR MVOLT SC SM (DTC)	ARP 08 FCR MVOLT	Relay Panel; 8 Field Configurable Relays; 120-277VAC; Screw Cover Surface Mount; Optional - Digital Time Clock
	ARP INTENC16 NLT 16FCR MVOLT SC SM (DTC)	ARP 16 FCR MVOLT	Relay Panel; 16 Field Configurable Relays; 120-277VAC; Screw Cover Surface Mount; Optional - Digital Time Clock
	ARP INTENC32 NLT 32FCR MVOLT HLK SM (DTC)	ARP 32 FCR MVOLT	Relay Panel; 32 Field Configurable Relays; 120-277VAC; Hinge-Locking Surface Mount; Optional - Digital Time Clock
	ARP INTENC48 NLT 48FCR MVOLT HLK SM (DTC)	ARP 48 FCR MVOLT	Relay Panel; 48 Field Configurable Relays; 120-277VAC; Hinge-Locking Surface Mount; Optional - Digital Time Clock

nLight Wired

Wired User Interfaces

Product Image	Model Name	CAD Symbol	Description
	nPODMA (2P) (4P) xx	nPOD MA2P · nPOD MA4P	Wall Switch; Screwless Faceplate; Single Channel On/Off; Optional 2-Pole (2P) and 4-Pole (4P)
	nPODMA (2P) (4P) DX xx	nPOD MA2P DX · nPOD MA4P DX	Wall Switch; Screwless Faceplate; Single Channel On/Off/Dimming; Optional 2-Pole (2P) and 4-Pole (4P)
	nPODMA 2S xx	nPOD MA2S	Wall Switch; Screwless Faceplate; 2 Scene Controller
	nPODMA 2S DX xx	nPOD MA2S DX	Wall Switch; Screwless Faceplate; 2 Scene Controller; On/Off/Dimming
	nPODMA 4S xx	nPOD MA4S	Wall Switch; Screwless Faceplate; 4 Scene Controller
	nPODMA 4S DX xx	nPOD MA4S DX	Wall Switch; Screwless Faceplate; 4 Scene Controller; On/Off/Dimming
	nPOD TOUCH xu	nPOD TCH	Touch Screen Wall Switch
	nWSXA xx	n$XA LV	Low Voltage Passive Infrared Wall Switch Sensor
	nWSXA PDT LV xx	n$XA PDT LV	Low Voltage Dual Technology Wall Switch Sensor
	nWSXA LV DX xx	n$XA LVDX	Low Voltage Passive Infrared Wall Switch Sensor; Dimming
	nWSXA PDT LV DX xx	n$XA PDT LV DX	Low Voltage Dual Technology Wall Switch Sensor; Dimming
	nPODA KEY xz	nPOD AKEY	Low Voltage Digital Key Switch; Return to Center Momentary
	nPODA KEY MNTN xz	nPOD AKEY MNTN	Low Voltage Digital Key Switch; Maintain Position

NOTE: xx indicates color option – available in White (WH), Ivory (IV), Light Almond (AL), Black (BK), Gray (GY), Red (RD)
    xz indicates color option - available in White (WH), Ivory (IV), Light Almond (AL), Stainless Steel (STS)
    xu indicates color option - available in White (WH) or Black (BK)

nLight Wired

Wired Accessories

Product Image	Model Name	CAD Symbol	Description
	nDTC xu	nDTC	Digital Time Clock
	nIO 1S (KO)	nIO 1S nIO 1S KO	Contact Closure Input Device; Optional Knock-Out Form Factor
	nIO D (KO)	nIO D nIOD KO	0-10V Dimming Control Device; Optional Knock-Out Form Factor
	nIO BT	nIO BT	Low Energy Communication Programming Module with Bluetooth® wireless technology
	nSHADE	nSH	Dry Contact Pulse On/Off Shade Controller; Momentary Open and Close Contacts
	nIO X KIT	nIOX KIT	External Third Party RS-232 Input Device
	nAR40	nAR 40	Auxiliary Dry Contact Relay
	nPS 80	nPS 80	Bus Power Supply; 80mA
	CAT5 xyFT J1	CAT5 6" CAT5 2' CAT5 5' CAT5 10' CAT5 15' CAT5 30' CAT5 50'	Single Plenum Rated CAT-5e Cable (available lengths include: 6", 2', 5', 10', 15', 30', 50')

NOTE: xy indicates length
      xu indicates color option - available in White (WH) or Black (BK)

nLight AIR

Wireless Occupancy and Daylight Sensors

Product Image	Model Name	CAD Symbol	Description
	rCMS 6 G2	rCM 6	Ceiling Mount Passive Infrared Sensor; High Mount 360°
	rCMS 9 G2	rCM 9	Ceiling Mount Passive Infrared Sensor; Small Motion 360°
	rCMS PDT 9 G2	rCP 9	Ceiling Mount Dual Technology Sensor; Small Motion 360°
	rCMS 10 G2	rCM 10	Ceiling Mount Passive Infrared Sensor; Large Motion 360°
	rCMS PDT 10 G2	rCP 10	Ceiling Mount Dual Technology Sensor; Large Motion 360°
	rCMSB 7 G2	rCMB 7	Battery Powered Ceiling Mount Passive Infrared Sensor; Low Mount 360°
	rCMSB 45 G2	rCMB 45	Battery Powered Ceiling Mount Passive Infrared Sensor; High Mount 360°
	rCMSB 45A G2	rCMB 45A	Battery Powered Ceiling Mount Passive Infrared Sensor; High Mount Aisleway 360°
	rLSXR 6 G2	rLSXR 6	Fixture Mount Passive Infrared Sensor, Multi-Volt; High Mount 360°
	rLSXR 6 HVOLT G2	rLSXR 6 HVOLT	Fixture Mount Passive Infrared Sensor; High Voltage; High Mount 360°
	rLSXR 6 EM G2	rLSXR 6EM	Fixture Mount Passive Infrared Sensor; Emergency Operation via Normal Power Sensing Broadcasts; Multi-Volt; High Mount 360°
	rLSXR 9 G2	rLSXR 9	Fixture Mount Passive Infrared Sensor, Multi-Volt; Small Motion 360°
	rLSXR 9 HVOLT G2	rLSXR 9 HVOLT	Fixture Mount Passive Infrared Sensor; High Voltage; Small Motion 360°
	rLSXR 9 EM G2	rLSXR 9EM	Fixture Mount Passive Infrared Sensor; Emergency Operation via Normal Power Sensing Broadcasts; Multi-Volt; Small Motion 360°
	rLSXR 10 G2	rLSXR 10	Fixture Mount Passive Infrared Sensor, Multi-Volt; Low Mount 360°
	rLSXR 10 HVOLT G2	rLSXR 10 HVOLT	Fixture Mount Passive Infrared Sensor; High Voltage; Low Mount 360°
	rLSXR 10 EM G2	rLSXR 10EM	Fixture Mount Passive Infrared Sensor; Emergency Operation via Normal Power Sensing Broadcasts; Multi-Volt; Low Mount 360°

nLight AIR

Wireless Occupancy and Daylight Sensors

Product Image	Model Name	CAD Symbol	Description
	rLSXR 50 G2		Fixture Mount Passive Infrared Sensor; Multi-Volt; High Mount Aisleway
	rLSXR 50 HVOLT G2		Fixture Mount Passive Infrared Sensor; High Voltage; High Mount Aisleway
	rLSXR 50 EM G2		Fixture Mount Passive Infrared Sensor; Multi-Volt; Emergency Operation via Normal Power Sensing Broadcasts; High Mount Aisleway
	rSBOR 6 G2		Pole or Fixture Mount Passive Infrared Sensor (IP66); Multi-Volt; High Mount 360°
	rSBOR 6 HVOLT G2		Pole or Fixture Mount Passive Infrared Sensor; High Voltage; High Mount 360°
	rSBOR 6 EM G2		Pole or Fixture Mount Passive Infrared Sensor; Emergency Operation via Normal Power Sensing Broadcasts; Multi-Volt; High Mount 360°
	rSBOR 10 G2		Pole or Fixture Mount Passive Infrared Sensor; Multi-Volt; Low Mount 360°
	rSBOR 10 HVOLT G2		Pole or Fixture Mount Passive Infrared Sensor; High Voltage; Low Mount 360°
	rSBOR 10 EM G2		Pole or Fixture Mount Passive Infrared Sensor; Multi-Volt; Emergency Operation via Normal Power Sensing Broadcasts; Low Mount 360°
	rSBOR 40 G2		Pole or Fixture Mount Passive Infrared Sensor; Multi-Volt; High Mount 360°
	rSBOR 40 HVOLT G2		Pole or Fixture Mount Passive Infrared Sensor; High Voltage; High Mount 360°
	rSBOR 40 EM G2		Pole or Fixture Mount Passive Infrared Sensor; Multi-Volt; Emergency Operation via Normal Power Sensing Broadcasts; High Mount 360°

nLight AIR

Wireless User Interfaces

Product Image	Model Name	CAD Symbol	Description
	rPODBA (2P) xx G2	rPOD BA2P	Battery Powered Wall Switch; Screwless Faceplate; Optional 2 Pole
	rPODBA (2P) DX xx G2	rPOD BA2P DX	Battery Powered Wall Switch; Screwless Faceplate; Optional 2 Pole; On/Off+Raise/Lower
	rPODBA 2S xx G2	rPOD BA2S	Battery Powered Wall Switch; Screwless Faceplate; 2 Scene Controller
	rPODBA 2S DX xx G2	rPOD BA2S DX	Battery Powered Wall Switch; Screwless Faceplate; 2 Scene Controller; On/Off+Raise/Lower
	rPODBA 4S xx G2	rPOD BA4S	Battery Powered Wall Switch; Screwless Faceplate; 4 Scene Controller
	rPODBA 4S DX xx G2	rPOD BA4S DX	Battery Powered Wall Switch; Screwless Faceplate; 4 Scene Controller; On/Off+Raise/Lower
	rPODLA (2P) MVOLT xx G2	rPOD LA2P	Line Powered Wall Switch; Screwless Faceplate; Optional 2 Pole, MVOLT
	rPODLA (2P) DX MVOLT xx G2	rPOD LA2P DX	Line Powered Wall Switch; Screwless Faceplate; Optional 2 Pole; On/Off+Raise/Lower, MVOLT
	rPODLA (2P) 347 xx G2	rPOD LA2P 347	Line Powered Wall Switch; Screwless Faceplate; Optional 2 Pole; 347 Voltage
	rPODLA (2P) DX 347 xx G2	rPOD LA2P DX 347	Line Powered Wall Switch; Screwless Faceplate; Optional 2 Pole; On/Off+Raise/Lower; 347 Voltage
	rPODLA 2S MVOLT xx G2	rPOD LA2S	Line Powered Wall Switch; Screwless Faceplate; 2 Scene Controller, MVOLT
	rPODLA 2S MVOLT DX xx G2	rPOD LA2S DX	Line Powered Wall Switch; Screwless Faceplate; 2 Scene Controller; On/Off+Raise/Lower, MVOLT
	rPODLA 4S MVOLT xx G2	rPOD LA4S	Line Powered Wall Switch; Screwless Faceplate; 4 Scene Controller, MVOLT
	rPODLA 4S MVOLT DX xx G2	rPOD LA4S DX	Line Powered Wall Switch; Screwless Faceplate; 4 Scene Controller; On/Off+Raise/Lower, MVOLT

NOTE: xx indicates color option – available in White (WH), Ivory (IV), Light Almond (AL), Black (BK), Gray (GY), Red (RD)

nLight AIR

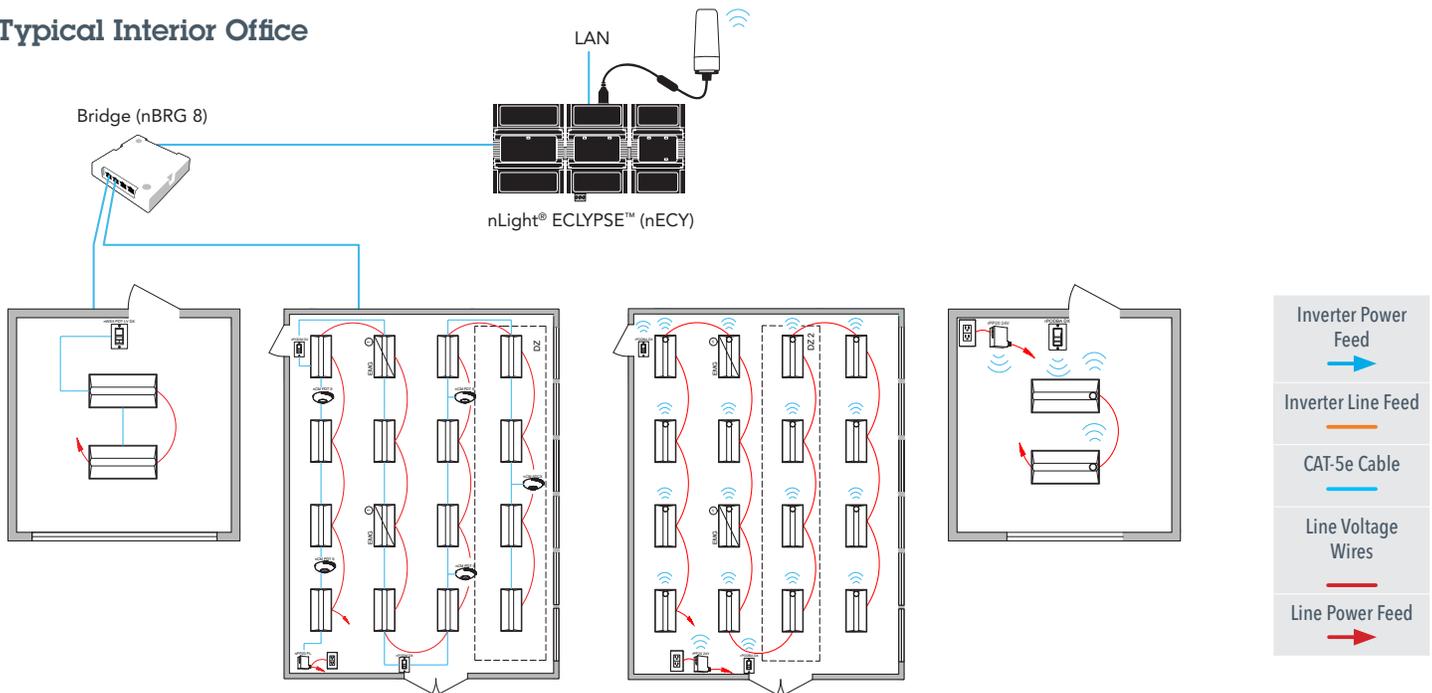## Wireless Load Controllers

Product Image	Model Name	CAD Symbol	Description
	rPP20 EFP G2	rP 20	Power/Relay Pack; 20 Amp
	rPP20 D EFP G2	rP 20D	Power/Relay Pack; 20 Amp; 0-10V Dimming
	rPP20 D 24V EFP G2	rP 20D 24V	Power/Relay Pack; 20 Amp; 0-10V Dimming; 24V Output Terminals
	rPP20 D 24V EFP UVOLT G2	rP 20D 24V UV	Power/Relay Pack; 20 Amp; 0-10V Dimming; 24V Output Terminals; 120-480V
	rPP20 D 24V EFP CP G2	rP 20D 24V CP	Power/Relay Pack; 20 Amp; 0-10V Dimming; 24V Output Terminals; Chicago Plenum Rated
	rPP20 D 24V EM EFP G2	rP 20D 24V EM	Power/Relay Pack; 20 Amp; 0-10V Dimming; 24V Output Terminals; Emergency Operation via Normal Power Sensing Broadcasts
	rPP20 D 24V ER EFP G2	rP 20D 24V ER UV	Power/Relay Pack; 20 Amp; 0-10V Dimming; 24V Output Terminals; Emergency Operation via Power Sense Leads
	rPP20 D 24V EM EFP UVOLT G2	rP 20D 24V EM	Power/Relay Pack; 20 Amp; 0-10V Dimming; 24V Output Terminals; Emergency Operation via Normal Power Sensing Broadcasts; 120-480V
	rPP20 D 24V ER EFP UVOLT G2	rP 20D 24V ERUV	Power/Relay Pack; 20 Amp; 0-10V Dimming; 24V Output Terminals; Emergency Operation via Power Sense Leads; 120-480V
	rPP20 D 24V EM EFP CP G2	rP 20D 24V EMCP	Power/Relay Pack; 20 Amp; 0-10V Dimming; 24V Output Terminals; Emergency Operation via Normal Power Sensing Broadcasts; Chicago Plenum Rated
	rPP20 D 24V ER EFP CP G2	rP 20D 24V ER	Power/Relay Pack; 20 Amp; 0-10V Dimming; 24V Output Terminals; Emergency Operation via Power Sense Leads; Chicago Plenum Rated
	rTLN MVOLT DSNV G2	RTLN MV	Twist-to-Lock Node; 0-10V Dimming; 120-277V
	rTLN HVOLT DSNV G2	RTLN HV	Twist-to-Lock Node; 0-10V Dimming; 347-480V
	rTLN DALI MVOLT DSNV G2	RTLN DMV	Twist-to-Lock Node; DALI Control; 120-277V
	rTLN DALI HVOLT DSNV G2	RTLN DHV	Twist-to-Lock Node; DALI Control; 347-480V

nLight Platform

Backbone & Accessories

Product Image	Model Name	CAD Symbol	Description
	nECY MVOLT (BAC) (ADR) (SVS) (REM) ENC (GFXK)	nECY ENC	System Controller; 750 Device Limit; 120-277VAC, 347VAC Optional; Optional BACnet (BAC), Automated Demand Response (ADR), Visualization Software (SVS), Remote Factory Assistance (REM), and/or Graphic Diagnostic and Manual Override Touchscreen (GFXK)
	nECY MVOLT (BAC) (ADR) (SVS) (REM) ENC AIR	nECY AIR	System Controller; nLight AIR-Only, 150 Device Limit; 120-277VAC, 347VAC Optional; Optional BACnet (BAC), Automated Demand Response (ADR), Visualization Software (SVS), Remote Factory Assistance (REM), Packaged nLight AIR Adapter (AIR)
	nBRG 8 Kit	n BRG 8KIT	8-Port Bridge for Wired nLight Devices; Power Supply Included
	nECYD NLTAIR G2	nECY DAIR	nLight AIR Adapter for nLight ECLYPSE
	nECYD EXT150	nCYD X150	150-Foot, USB to CAT6 Extender for the nLight AIR Adapter (nECYD NLTAIR G2); Includes 120VAC Power Adapter and CAT6 to USB Converters
	NECYMOD CAR1 12FT	nECY MOD CAR1	Field Deployable Cellular Router for Remote Assistance and Programming by Factory; USA/Mexico SIM Included
	NECYMOD CAR2 12FT	nECY MOD CAR2	Field Deployable Cellular Router for Remote Assistance and Programming by Factory; Canada SIM Included

Typical Interior Office

Bridge (nBRG 8)

LAN

nLight® ECLYPSE™ (nECY)

Inverter Power Feed

Inverter Line Feed

CAT-5e Cable

Line Voltage Wires

Line Power Feed

Additional Resources

Application Typical Designs
www.acuitybrands.com/typicals

BIM Models
https://www.acuitybrands.com/resources/customer-tools/bim-downloads

Specification Sheets
www.nlightcontrols.com

Energy Code Application Guides
https://nlight.acuitybrands.com/resources/app-guides

Visual Controls
Visual Controls includes helpful tools for designing nLight projects.
For access contact your local lighting agent.
https://www.acuitybrands.com/support/how-to-buy

A+ Certified solutions from Acuity Brands help you quickly and confidently select and implement lighting systems that are both compatible and consistent.

For lighting applications, A+ means verified consistent performance, visual appearance and system interoperability of all luminaires and controls within the certified solutions. For lighting professionals it means confidence that all parts of the lighting system will work together and meet common Acuity Brands specifications.

Go to www.acuitybrands.com/solutions/a-certified or contact your local Acuity Brands representative for more information.