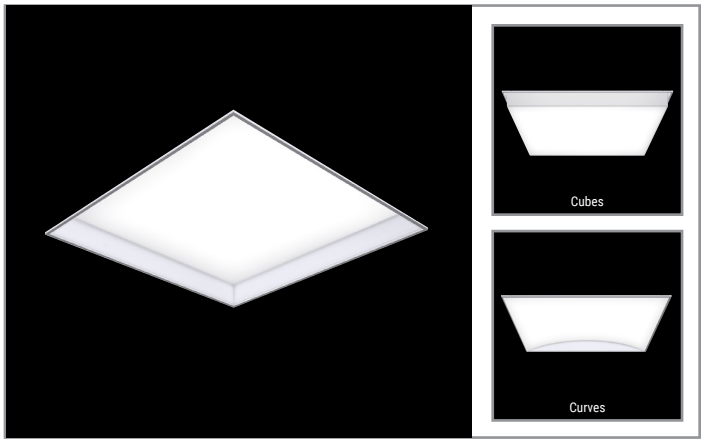
| | | | | | |
|---|---|---|---|---|---|
| Project | | Catalog # | | Type | |
| Prepared by | | Notes | | Date | |




# Metalux

## InDepth 22ID

2' x 2' LED Specification InDepth Series

**Typical Applications**

Office • Education • Healthcare • Hospitality • Retail

## Interactive Menu


- Order Information page 2
- Photometric Data page 4
- Connected Systems page 8
- Product Warranty


## Product Certification

damp location wet location

## Systems | Features & Awards

Connected Systems

LINEAR DISCONNECT
Designed to provide safe and convenient means of disconnecting power

MWS MODULAR WIRING SYSTEM CLICK HERE

PIA'20



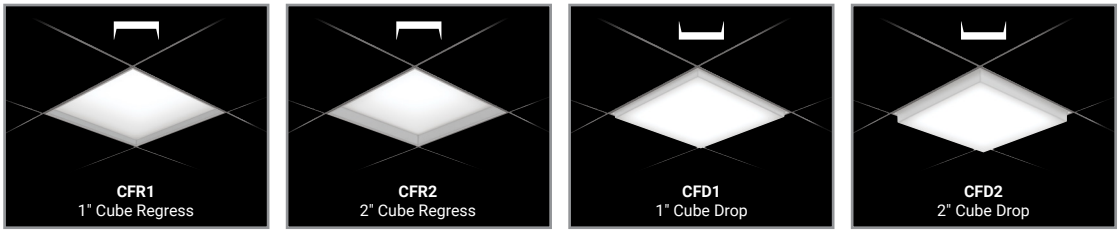
## Top Product Features

- Designer delight - create ceiling topography with regressed and drop lens options from factory or convert during installation
- Full range of lens options - cube, single curve, double curve, and unique sweep
- Regressed lens provides optical cut off with smooth lens for reduced glare
- Extruded aluminum housing is matte white powder coated
- Wireless control options maintain superb aesthetics
- Options to meet Trade Agreements Act requirements

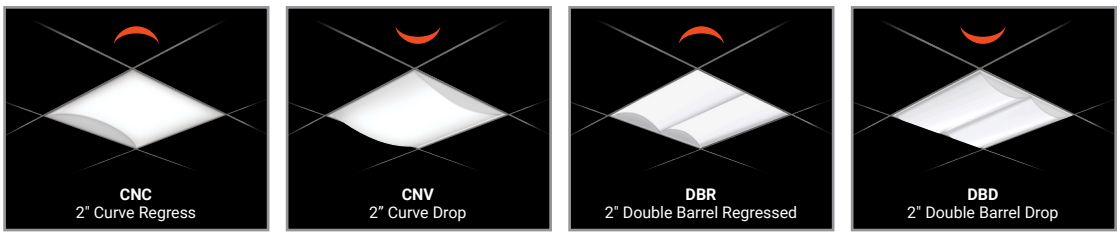
## Options

additional product diagrams

**2x2 Cubes**




**2x2 Curves**



## Order Information

SAMPLE ORDER NUMBER: **22ID-40-CFR2-L835-MU**

| Domestic Preferences | Rating | Series | Lumen Output | Shielding | Voltage | Options | Emergency Options |
|---|---|---|---|---|---|---|---|
| **[Blank]**=Standard<br>**TAA**=Trade Agreements Act | **[Blank]**=Standard<br>**ATW-SW4**=Chicago Rated | **22ID**=2x2 InDepth | **Standard Efficacy**<br>**20**=2000 Lumens (3)<br>**25**=2500 Lumens (3)<br>**30**=3000 Lumens<br>**35**=3500 Lumens<br>**40**=4000 Lumens<br>**45**=4500 Lumens<br>**50**=5000 Lumens<br>**55**=5500 Lumens | **CFR1**=1" Cube Regressed<br>**CFR2**=2" Cube Regressed<br>**CFD1**=1" Cube Drop<br>**CFD2**=2" Cube Drop<br>**CNC**=2" Curve Regressed<br>**CNV**=2" Curve Drop<br>**DBR**=2" Double Barrel Regressed<br>**DBD**=2" Double Barrel Drop | **[Blank]**=Universal Voltage 120-277<br>**347V**=347 Volt (5)<br>**48V**=48 Volt Low-voltage (Class 2) (C) | **GL**=Single Element Fuse<br>**GM**=Double Element Fuse | **[Blank]**=No emergency<br>**EL7W**=7-watt 120V-277V emergency battery pack (6)<br>**EL10W**=10-watt 120V-277V emergency battery pack (6)<br>**EL14W**=14-watt 120V-277V emergency battery pack (6)<br>**EL10WSD**=10W emergency battery pack with self-diagnostic installed (6), (8)<br>**EL14WSD**=14W emergency battery pack with self-diagnostic installed (6), (8)<br>**ELV7W**=Low-voltage system, 7-watt emergency battery pack (6), (C)<br>**ELV14W**=Low-voltage system, 14-watt emergency battery pack (6), (C)<br>**ETRD**=Emergency Transfer Relay with dimming control (7) |
| **Notes**<br>(10) Only product configurations with this designated prefix are built to be compliant with the Trade Agreements Act of 1979 (TAA). Please refer to DOMESTIC PREFERENCES website for more information. Components shipped separately may be separately analyzed under domestic preference requirements. | | **Notes**<br>(1) DesignLights Consortium® Qualified and classified for both DLC Standard and DLC Premium, refer to www.designlights.org for details. | **Notes**<br>(2) Lumens are approximate. Use IES files for actual performance. (3) WN WaveLinx not available on 20 and 25. | **Notes**<br>(4) 1" and 2" options may be ordered as regressed or drop or they can be converted on site. | **Notes**<br>(5) 347 with emergency not available with SD driver. (C) Consult WaveLinx Low-Voltage or DLVP system pages for additional details and compatibility. | | **Notes**<br>(6) Factory installed with integral test switch/indicator/laser test. For approximate delivered lumens multiply the lumens per watt of the desired fixture by the wattage of the emergency battery pack (100 lm/W x 7=700 lumens). IES-format photometry for luminaire under emergency operation available. Battery option increases total height by 1 inch. (7) Used to bypass local control during outage. Must be used in conjunction with UL 1008 device (provided by others). ETRD option only requires one relay when used on a dimming fixture. Must specify voltage as 120V or 277V when ordering these devices. 347 not available. (8) EL10WSD and EL14WSD not available with 347V. (C) Consult DLVP system pages for additional details and compatibility. |

| CRI/CCT | Flex | Driver Type | Number of Drivers |
|---|---|---|---|
| **L830**=80CRI, 3000K<br>**L835**=80CRI, 3500K<br>**L840**=80CRI, 4000K<br>**L850**=80CRI, 5000K | **[Blank]**=No Flex<br>**A3/8-4/18GDIM**=3/8" Flex with 0-10V Dimming Leads<br>**A3/8-2/18G**=3/8" Flex with line and common<br>**A3/8-5/18GDIM**=Flex with 0-10V Dimming leads and Blue for alternate wiring. See below for details. | **[Blank]**=0-10V Driver (1%-100% Dimming)<br>**5LTD**=DALI Driver (5%-100% Dimming)<br>**5LTHD**=DALI Driver (1%-100% Dimming)<br>**LV1**=Low-voltage System Driver (0%-100% Dimming) (C)<br>**SD**=Step Dimming Driver (50%, 100% Dimming)<br>**LH**=Lutron HiLume (LDE1 series) 1%-100% EcoSystem Driver with Soft-on Fade to Black dimming (F) | **[Blank]**=1 Driver |
| | **Flexible Metal Conduit Options**<br>(9) Multiple options available in online configurator. See additional notes on Flex below.<br>Flex options available for 0-10V dimming control, DALI dimming control, emergency and night light functions. 72-inch factory-installed and pre-wired to driver, fitted to luminaire housing access plate with 90° enclosed FMC connector. Not all options may be combined and installation ratings vary by type.<br>**A3/8-***** series notes:** Factory installed dimming option 3/8" flexible metal conduit with 2-#18 power and ground wires and 2-#18 UL-listed jacketed 0-10V +/- control wires. Meets UL 66, 83, 1479, 1569, 1581, 2556. NEC® 250.118, 300.22(C), 392, 396, 330, 501, 502, 503, 530, 504, 505, 518, 520, 530, 645, 72; Federal Specification A-A-59544 (formerly J-C-30B); all applicable OSHA and HUD Requirements. UL Classified 1-, 2-, and 3-hour through penetration with applicable fire stop product (not included). May be surface mounted, fished and/or embedded in plaster. Cable tray and approved raceway rated, install per NEC®; Environmental Air-Handling Space Installation per NEC® 300.22(C). | **Notes**<br>Integrated options must be used in conjunction with the associated system and may not be compatible with other options or accessories. Please refer to the following: (C) Consult WaveLinx Low-Voltage or DLVP system pages for additional details and compatibility. (F) Consult Marketplace Options - Lutron system pages for additional details and compatibility. Compatible only with driver series shown, and may require two or more drivers. Requires field commissioning to operate or dim. Contact Lutron at www.lutron.com | |

| Integrated Sensing Systems | Options | Packaging | Accessories |
|---|---|---|---|
| **[Blank]**=No Sensor<br>**WTA**=Factory installed WaveLinx Pro sensor Kit (A), (12)<br>**WTK**=Factory installed WaveLinx Lite sensor Kit (B), (12) | **[Blank]**=None | **MU**=Metalux Unit Pack<br>**MPAL**= Metalux Job Pack, out of carton<br>**MPALC**= Metalux Job Pack, in carton | **T3A END E.Q. BRACKET PARTS BAG (Standard with fixture)**<br>**DF-22W-U**=2' x 2' Drywall Frame Kit<br>**SK-22-WS**=2' x 2' Shallow Surface Mount Kit<br>**22CF1PK**=Cube 1" Replacement Lens<br>**22CF2PK**=Cube 2" Replacement Lens<br>**22CN2PK**=Curved 2" Replacement Lens<br>**22DB2PK**=Double Barrel 2" Replacement Lens<br>**22SWPK**=Sweep Replacement Lens |
| **Notes**<br>(12) WTA and WTK sensor options to be used with default driver.<br>Integrated options must be used in conjunction with the associated system and may not be compatible with other options or accessories. Please refer to the following: (A) Consult WaveLinx Pro system pages for additional details and compatibility. (B) WaveLinx Lite devices are not currently compatible with the WaveLinx Wireless Area Controller. Consult WaveLinx Lite system pages for additional details and compatibility. | | | **Notes**<br>(11) Accessories sold separately will be separately analyzed under domestic preference requirements. Consult factory for further information. |

## Product Specifications

### Construction
- Extruded aluminum channels form rigid housing for robust life and aesthetic appeal
- Extruded edges are smooth to enable easy installation
- Earthquake clips are included on every fixture to ensure code compliance for all regions
- If desired, one extruded frame member may be removed to enable lens conversion between regress and drop arrangement during installation
- Four auxiliary fixture corner suspension points for use with suspension option
- Driver enclosures use access plate to speed wiring and conduit installation with additional KO on sides. There are six KO.
- Chicago plenum option available

### Integrated Controls
- 0-10V dimming to 1% standard
- Tile mount WaveLinx sensor compatible for standalone, controlled, connected, and IoT capability
- Tile mount Enlighted sensor compatible for IoT capability
- Low-voltage driver compatible for WaveLinx Low-Voltage and DLVP applications
- DALI 2.0, Lutron, and step-dimming available

### LED and Light Engine
- LED's available in 3000K, 3500K, 4000K, or 5000K at 80 CRI minimum
- TM21 life at 60,000 hours up to L86 and calculated L70 exceeds 131,000 hrs.
- Drivers available in 120-277V and 347V

### Emergency Battery Options
- 120V-277V integral emergency battery pack comes in 7-watts, 10-watt, or 14-watts
- Self-diagnostic emergency battery available in 10 or 14-watts (NFPA 101® Life Safety Code®)
- Constant power to the LED system for controlled, predictable discharge
- Integrated test switch/indicator light visible from floor
- Min. 90-minute backup period for code compliance
- Integral emergency transfer relay available for generator equipped power systems

### Finish
- 90% reflective, matte white enamel finish
- Full fixture housing painted after fabrication
- Back plate and J-box are constructed of code gauge steel for code compliance

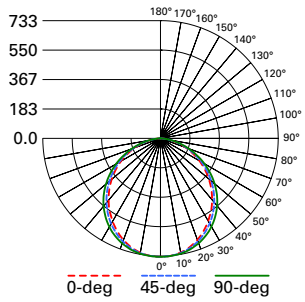
### Shielding
- Multiple acrylic lens options enable regression and drop options from factory or change at installation
- Acrylic lenses are finely textured to optimize aesthetics, cleaning and do not show finger prints after installation
- Texture is specifically designed to limit glare from other light sources in on or off state
- 5 regressed options and 6 drop lens options enables versatility in many spaces
- Lenses are made with smooth corners and no sharp edges to enable easy cleaning and maintenance

### Compliance
- IC rated for insulation contact
- cULus listed for damp locations for all lens options
- cULus listed for wet location, IP66, with regressed lens options
- RoHS compliant
- Tested to IESNA LM-79 and LM-80
- Stated life tested to TM21 standards
- Can be used for State of California Title 24 high efficacy luminaire
- DesignLights Consortium® Qualified and classified for DLC Standard and DLC Premium (refer to www.designlights.org)
- Contributes to meeting several WELL™ v1 and v2 Features

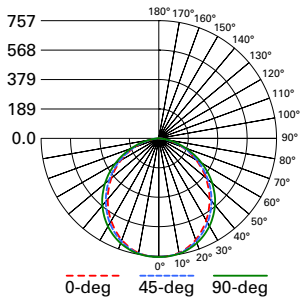
### Warranty
- Five year warranty standard. Extended ten year warranty available.

## Photometric Data

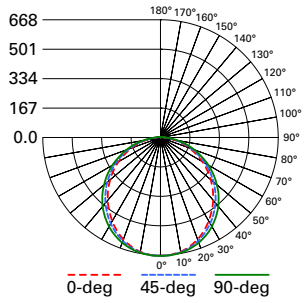
View IES files



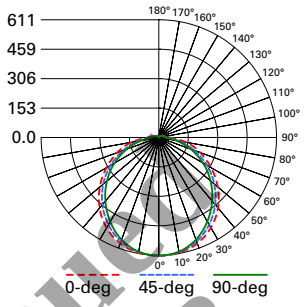

**22ID-20-L835-CFR1**
Electronic Driver
Linear LED 3500K
Spacing criterion: (II) 1.2 x mounting height, (⊥) 1.28 x mounting height
Lumens: 2002
Input Watts: 16.3W
Efficacy: 122.8 LPW
Test Report: 22ID-20-L835-CFR1.IES



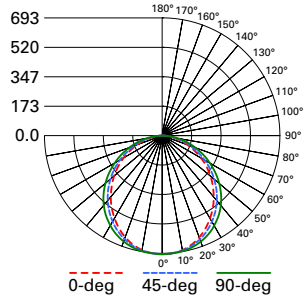

**22ID-20-L835-CFR2**
Electronic Driver
Linear LED 3500K
Spacing criterion: (II) 1.19 x mounting height, (⊥) 1.27 x mounting height
Lumens: 2010
Input Watts: 16.3W
Efficacy: 123.3 LPW
Test Report: 22ID-20-L835-CFR2.IES



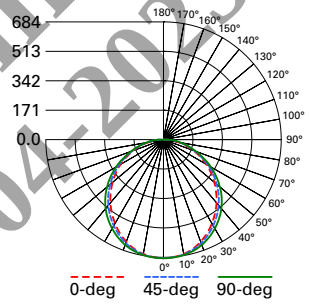

**22ID-20-L835-CFD1**
Electronic Driver
Linear LED 3500K
Spacing criterion: (II) 1.21 x mounting height, (⊥) 1.29 x mounting height
Lumens: 1987
Input Watts: 16.3W
Efficacy: 121.9 LPW
Test Report: 22ID-20-L835-CFD1.IES




**22ID-20-L835-CFD2**
Electronic Driver
Linear LED 3500K
Spacing criterion: (II) 1.31 x mounting height, (⊥) 1.22 x mounting height
Lumens: 1996
Input Watts: 16.3W
Efficacy: 122.5 LPW
Test Report: 22ID-20-L835-CFD2.IES




**22ID-20-L835-CNC**
Electronic Driver
Linear LED 3500K
Spacing criterion: (II) 1.2 x mounting height, (⊥) 1.3 x mounting height
Lumens: 1936
Input Watts: 16.3W
Efficacy: 118.8 LPW
Test Report: 22ID-20-L835-CNC.IES




**22ID-20-L835-CNV**
Electronic Driver
Linear LED 3500K
Spacing criterion: (II) 1.22 x mounting height, (⊥) 1.28 x mounting height
Lumens: 1996
Input Watts: 16.3W
Efficacy: 122.5 LPW
Test Report: 22ID-20-L835-CNV.IES



**Other Optical Metrics**

| | Shielding | UGR | Uplight |
|---|---|---|---|
| | CFR1 | 17.5 | 0% |
| | CFR2 | 17.2 | 0% |
| | CFD1 | 17.4 | 2% |
| | CFD2 | 18.6 | 5% |
| | CNC | 17.3 | 0% |
| | CNV | 17.3 | 1% |
| | DBR | 16.6 | 0% |
| | DBD | 16.3 | 0% |

## Energy and Performance Data

### Electrical Performance - 2x2 Cubes (3500K)

| Lumen Pkg | Delivered Nominal Lumens | | | | Power | Efficacy (LPW) | | | | Current (A) | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | CFR1 | CFR2 | CFD1 | CFD2 | Watts | CFR1 | CFR2 | CFD1 | CFD2 | 120V | 277V |
| 2000 | 2034 | 2042 | 2018 | 2028 | 16.3 | 125 | 125 | 124 | 124 | 0.14 | 0.06 |
| 2500 | 2593 | 2604 | 2574 | 2585 | 20.6 | 126 | 126 | 125 | 126 | 0.17 | 0.07 |
| 3000 | 3036 | 3049 | 3014 | 3027 | 24.2 | 126 | 126 | 125 | 125 | 0.20 | 0.09 |
| 3500 | 3581 | 3595 | 3554 | 3570 | 28.8 | 124 | 125 | 123 | 124 | 0.24 | 0.10 |
| 4000 | 4056 | 4073 | 4026 | 4044 | 32.5 | 125 | 125 | 124 | 124 | 0.27 | 0.12 |
| 4500 | 4574 | 4593 | 4540 | 4561 | 37.2 | 123 | 124 | 122 | 123 | 0.31 | 0.13 |
| 5000 | 5078 | 5099 | 5040 | 5063 | 41.1 | 124 | 124 | 123 | 123 | 0.34 | 0.15 |
| 5500 | 5589 | 5612 | 5547 | 5572 | 45.9 | 122 | 122 | 121 | 121 | 0.38 | 0.17 |

### Lumen Calculator

| CCT Multiplier | 80 CRI |
|---|---|
| 3000K | 0.98 |
| 3500K | 1.0 |
| 4000K | 1.03 |
| 5000K | 1.07 |

**Example of Lumen Adjustment Calculation**

22ID-40-CFR2-L835 at 80CRI at 5000K

*Lumen Adjustment Factor = 1.07*

*Total Light Output =*

*4,009 lm x 1.07 = 4,290 lm*

$$\textit{Efficacy} = \frac{4{,}290\ lm}{32.7W} = 131\ lm/W$$

### Optical Performance - 2x2 Cubes (3500K)

| Lumen Pkg | UGR [CIE 190:2010] (1) (4H, 8H; Reflectance: 70% Ceiling, 50% Wall, 20% Ref. Plane) | | | | MAX LUMINANCE [45-90 DEG FROM NADIR] (2) (CD/M^2) | | | |
|---|---|---|---|---|---|---|---|---|
| | CFR1 | CFR2 | CFD1 | CFD2 | CFR1 | CFR2 | CFD1 | CFD2 |
| 2000 | 17.5 | 17.2 | 17.4 | 18.6 | 1925 | 1965 | 1729 | 1573 |
| 2500 | 18.3 | 18 | 18.3 | 19.4 | 2455 | 2505 | 2205 | 2005 |
| 3000 | 18.9 | 18.6 | 18.8 | 20 | 2874 | 2933 | 2582 | 2348 |
| 3500 | 19.4 | 19.1 | 19.4 | 20.5 | 3390 | 3459 | 3044 | 2769 |
| 4000 | 19.9 | 19.6 | 19.8 | 21 | 3840 | 3919 | 3449 | 3137 |
| 4500 | 20.3 | 20 | 20.3 | 21.4 | 4330 | 4419 | 3889 | 3537 |
| 5000 | 20.6 | 20.4 | 20.6 | 21.7 | 4807 | 4906 | 4317 | 3927 |
| 5500 | 21 | 20.7 | 21 | 22.1 | 5291 | 5400 | 4752 | 4322 |

**Notes**: (1) For other UGR data for room or reflective ceiling plans please see technical data on website. (2) For other CCT please see technical data on website.



### Nominal Lumen Maintenance

| TM-21 Lumen Maintenance (60,000 hours) | Theoretical L70 (hours) (3) |
|---|---|
| > 86% | > 131,000 |

**Notes**: (3) Theoretical values represent estimations. Refer to LED Product Lifetime Prediction, IES PS-10-18, that explains proper use of IES TM-21 and LM-80.

### Load Data

| | |
|---|---|
| Thd | 6% |
| Power Factor | 0.99 |
| Weight (lbs.) | 10.6 |
| Low Temp. Start | -20°C |

### Shipping Data

| Lens Catalog No. | Weight (lbs) | Units per Pallet 49"L x 52"W x 55"H |
|---|---|---|
| CFR1, CFR2, CNC, DBR, SWR | 16 | 18 |
| CFD1, CFD2, CFD3, CNV, DBD, SWD | 16 | 10 |

## Energy and Performance Data

**Electrical Performance - 2x2 Curves (3500K)**

| Lumen Pkg | Delivered Nominal Lumens | | | | Power | Efficacy (LPW) | | | | Current (A) | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | CNC | CNV | DBR | DBD | Watts | CNC | CNV | DBR | DBD | 120V | 277V |
| 2000 | 2028 | 1967 | 2014 | 2010 | 16.3 | 124 | 121 | 124 | 123 | 0.14 | 0.06 |
| 2500 | 2585 | 2509 | 2568 | 2563 | 20.6 | 126 | 122 | 125 | 124 | 0.17 | 0.07 |
| 3000 | 3027 | 2937 | 3007 | 3001 | 24.2 | 125 | 121 | 124 | 124 | 0.20 | 0.09 |
| 3500 | 3570 | 3464 | 3546 | 3539 | 28.8 | 124 | 120 | 123 | 123 | 0.24 | 0.10 |
| 4000 | 4044 | 3924 | 4017 | 4009 | 32.5 | 124 | 121 | 124 | 123 | 0.27 | 0.12 |
| 4500 | 4561 | 4425 | 4530 | 4521 | 37.2 | 123 | 119 | 122 | 122 | 0.31 | 0.13 |
| 5000 | 5063 | 4912 | 5029 | 5019 | 41.1 | 123 | 120 | 122 | 122 | 0.34 | 0.15 |
| 5500 | 5572 | 5406 | 5535 | 5524 | 45.9 | 121 | 118 | 121 | 120 | 0.38 | 0.17 |

**Lumen Calculator**

| CCT Multiplier | 80 CRI |
|---|---|
| 3000K | 0.98 |
| 3500K | 1.0 |
| 4000K | 1.03 |
| 5000K | 1.07 |

**Example of Lumen Adjustment Calculation**

22ID-40-CNC-L835 at 80CRI at 5000K

*Lumen Adjustment Factor = 1.07*

*Total Light Output =*

*4,044 lm x 1.07 = 4,306 lm*

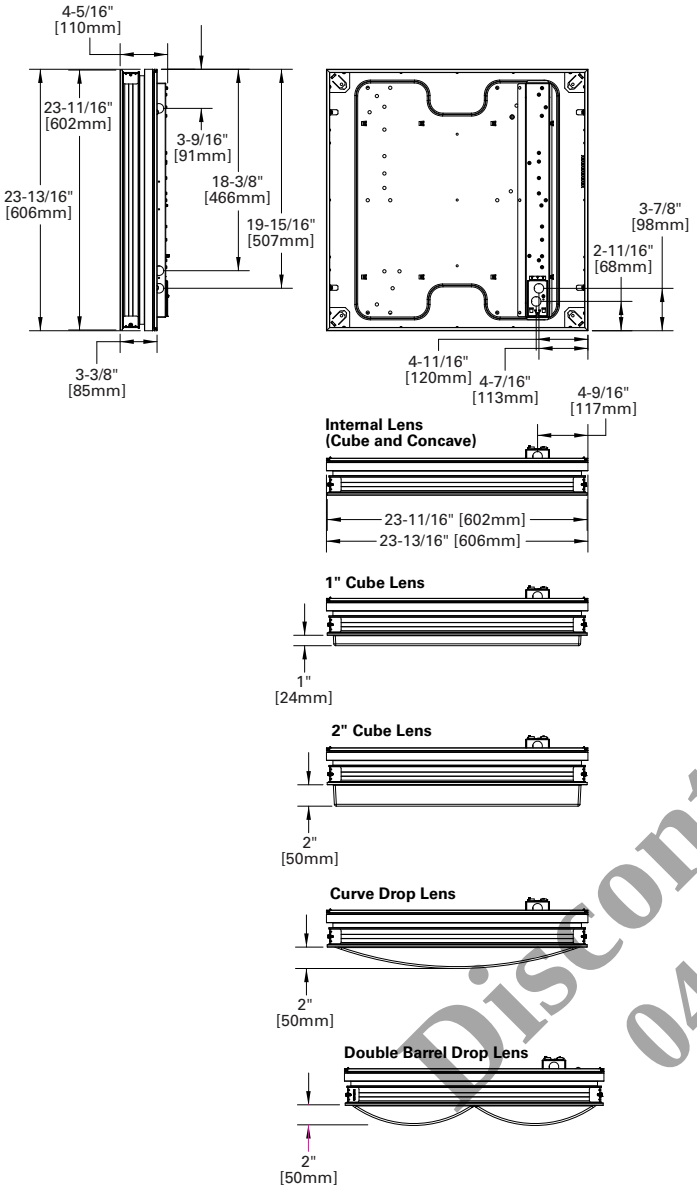
$$\textit{Efficacy} = \frac{4{,}306\ lm}{32.5W} = 132\ lm/W$$

**Optical Performance - 2x2 Curves (3500K)**

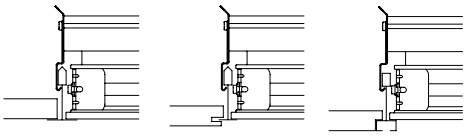
| Lumen Pkg | UGR [CIE 190:2010] (1) (4H, 8H; Reflectance: 70% Ceiling, 50% Wall, 20% Ref. Plane) | | | | MAX LUMINANCE [45-90 DEG FROM NADIR] (2) (CD/M^2) | | | |
|---|---|---|---|---|---|---|---|---|
| | CNC | CNV | DBR | DBD | CNC | CNV | DBR | DBD |
| 2000 | 17.3 | 17.3 | 18.1 | 18.2 | 1926 | 1522 | 1907 | 1653 |
| 2500 | 18.1 | 18.2 | 18.9 | 19.0 | 2448 | 1934 | 2431 | 2107 |
| 3000 | 18.7 | 18.7 | 19.5 | 19.6 | 2963 | 2341 | 2847 | 2467 |
| 3500 | 19.2 | 19.3 | 20.0 | 20.1 | 3371 | 2663 | 3357 | 2910 |
| 4000 | 19.7 | 19.7 | 20.5 | 20.6 | 3860 | 3050 | 3803 | 3296 |
| 4500 | 20.1 | 20.2 | 20.9 | 21.0 | 4352 | 3439 | 4289 | 3717 |
| 5000 | 20.4 | 20.5 | 21.3 | 21.4 | 4830 | 3816 | 4761 | 4126 |
| 5500 | 20.8 | 20.9 | 21.6 | 21.7 | 5304 | 4191 | 5240 | 4542 |

**Notes**: (1) For other UGR data for room or reflective ceiling plans please see technical data on website. (2) For other CCT please see technical data on website.

## Dimensional and Shielding Details




## Ceiling Compatibility



9/16"or 15/16" Grid/Lay-in Standard

9/16"or 15/16" Concealed T

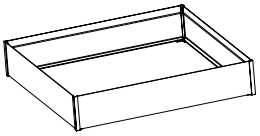
9/16"or 15/16" Slot Grid

## Ceiling Mounting Choices

| Application | Catalog | UPC | Description |
|---|---|---|---|
| Hard Ceiling Recessed | DF-22W-U | 662401232963 | 2x2 Dry Wall Frame Kit |
| Surface Mount | SK-22-WS | 080083719402 | 2x2 Shallow Surface Mount Kit |

## Suspension Cover (available in June 2020)

| Catalog | UPC | Description |
|---|---|---|
| SUS-22-W | coming soon | Field installed suspension cover kit - side covers, corner covers and installation hardware |



## Suspension Kit

| Catalog | UPC | Description |
|---|---|---|
| FPSUS2 | 080083802784 | 2 point Y-hanger suspension kit includes aircraft cable, carabiner, ceiling connection, SO cord, cord connectors and round 4" J-box cover plate |
| Mounting height from ceiling<br>**Min.**=7-1/4" [184mm]<br>**Max.**=27" [286mm] | | |

## Control Systems

- WaveLinx Pro Wireless
- WaveLinx Lite Wireless
- WaveLinx Wired
- DLVP

Connected Systems CLICK HERE

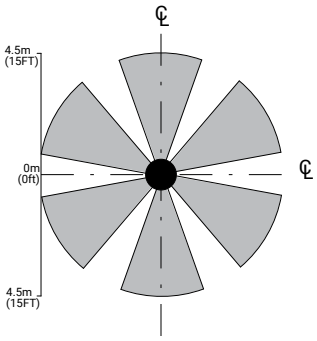
The InDepth with factory-installed tilemount sensor provides automatic energy savings without sacrificing performance. The InDepth delivers superior lighting with luminaire occupancy and daylighting control.

For standalone and controlled applications, the WaveLinx Lite sensor provides out-of-the-box functionality with no gateways required and factory startup is not needed.

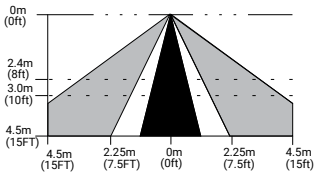
When more connectivity is required, the WaveLinx Pro Wireless sensor meets modern code and utility requirements, delivers energy and cost savings, while enabling buildings to become smart buildings.

The WaveLinx Wireless Connected Lighting System combined with Trellix provides an open IoT platform and infrastructure that connects intelligent sensors leveraging the real-estate of the physical light fixture to solve higher complexity problems to deliver actionable insights through the aggregation of valuable data.

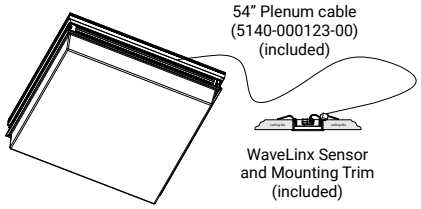
**TOP VIEW:**




**SIDE VIEW:**




***Note**: Installation of integrated sensors within 3-ft (1m) of HVAC air vents is not recommended. The pattern shown is intended solely as a general guide and is not to scale.*




For more information on tilemount sensor specifications and installation, see WaveLinx Pro and Wavelinx Lite Tilemount Sensor Kit at cooperlighting.com.



## Systems comparison chart

Cooper Lighting Solutions provides many lighting system solutions designed to satisfy code requirements and meet the unique needs of any project.

**Luminaire with standalone sensor**

**Standalone Spaces** WaveLinx Lite

**Networked Spaces** WaveLinx Pro

**Enterprise** Trellix

| | Luminaire with standalone sensor | Standalone Spaces WaveLinx Lite | Networked Spaces WaveLinx Pro | Enterprise Trellix |
|---|---|---|---|---|
| **Occupancy** | Yes | Yes | Yes | Yes |
| **Daylighting** | Yes | Yes | Yes | Yes |
| **Wallstations** | – | Yes | Yes | Yes |
| **Gateways** | – | – | 1 WAC | 300 WACs |
| **Devices (MAX)** | – | 50 per Area (1400 per site) | 200 per WAC2 | 32,500 per Core Enterprise |
| **Software** | – | WaveLinx Lite Mobile App | WaveLinx Pro Mobile App | Trellix Core |
| **Areas** | – | 28 per Site | 50 per WAC2 | up to 3,000 |
| **Zones** | – | 16 per Area | 16 per Area | up to 9,000 |
| **Scheduling** | – | – | Local | Global |
| **VividTune™** | – | – | Yes | Yes |
| **Plug-Load Control** | – | – | Yes | Yes |
| **Low-Voltage Power** | – | – | Yes | Yes |
| **Integration** | – | – | – | BACnet, API |
| **Dashboards** | – | – | – | Energy, Occupancy |
| **Configuration** | – | Installer | Technician | Technician / IT |

## SCALABILITY

devices → areas → floors → buildings



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