



Day-Brite / CFI DuaLED recessed is a highly efficient, visually comfortable, architecturally styled recessed LED luminaire, designed with a minimalistic strategy to achieve sustainable objectives. Its clean, modern design offers a fresh variation on the popular dual chamber theme and provides architectural styling compatible with virtually any area. SpaceWise Technology for selected applications is optional for additional energy savings and control.

Project: _____

Location: _____

Cat.No: _____

Type: _____

Lamps: _____ Qty: _____

Notes: _____

Ordering guide – standard & wireless controls

Standard configurations available with all choices, unless otherwise noted. Base configurations selections indicated by blue.

example: 2DLG49L840-4-D-UNV-DIM

| Width | Family | Ceiling Type | Lumens (nominal delivered) | Color | Length | Center Diffuser | Voltage | Driver | Options |
|-------|-----------|--------------|------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------|--------|------------------|--------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 2 | DL | G | | – | 4 | D | – | – | |
| 2 2' | DL DuaLED | G Grid | Standard configurations 43L 4300 49L 4900 58L ¹ 5800 73L 7300 <u>Base configuration</u> 42B 4200 | 830 80 CRI, 3000K 835 80 CRI, 3500K 840 80 CRI, 4000K 850 80 CRI, 5000K | 4 4' | D Diffuse (opal) | UNV Universal voltage 120-277V 347V 347 | DIM ^{2,6} Dimming Lutron LDE5, 5% dimming LDE ³ DALI dimming Step dimming to 40% input power DALI SDIM ¹ | AG Antimicrobial paint F1 3/8" Flex, 3 Wire 18 gauge 6' F2 3/8" Flex, 4 Wire 18 gauge 6' F1/D 3/8" Twin Flex, 3 Wire 18 gauge 6' for dimmable luminaires F2/SW 3/8" Single Flex, 5 Wire 18 gauge 6' for dimmable luminaires GLR Fusing, Fast Blow GTD/E ⁸ Generator transfer device GTD/SNSR ^{8,9} UL924 listed Bodine GTD factory installed between driver and sensor EMLED Bodine BSL310 10W battery pack (requires driver enclosure on top of luminaire) EMLED7 ⁷ Bodine BSL17 7W battery pack (requires driver enclosure on top of luminaire) DSC Quick driver disconnect SWZG2 ^{4,5} Integral sensor, daylighting and occupancy, advanced grouping with dwell time and zoning IAO ⁴ Integral Interact Office daylighting and occupancy sensor, enables wireless connected lighting control SWZDT ⁴ Integral sensor, daylighting and occupancy, advanced grouping with dwell time CHIC Chicago Plenum rated |

Footnotes

- 58L and 73L not available with the SWZG2 and SDIM options.
- Integral controls options dimmable to 5% via wireless wall switch. See p. 3.
- Available only with 43L lumen package or lower.
- Specify only with -DIM driver option.
- Must order SWZ-REMOTE SpaceWise handheld remote with each system order.
- Non-controls and SWZG2 configurations are 0-10V dimmable to 1% for Standard configurations. Base configurations are 0-10V dimmable to 5%.
- Available only with Base configurations.
- Must be installed in conjunction with a UL1008 device.
- Must be ordered with an integral sensing option.

SpaceWise (SWZG2) accessories (order separately)

- LRM1743 – External sensor to increase occupancy coverage area of SpaceWise luminaire groups
- SWZ-REMOTE – SpaceWise handheld remote for grouping and configuration (at least one remote required for any SpaceWise installation)
- UID8451/10 – Wireless Dimmer Switch Selector
- UID8461/10 – Wireless Scene Selector

Other accessories (order separately)

- FMA24 – 2'x4' "F" mounting frame for NEMA "F" mounting
- FSK24 – 2'x4' surface mount field installation kit (welded seams, not available with emergency options)
- FSF24 – 2'x4' surface mount field assembly kit (field assembled, not available with emergency options)

2DLG DualLED recessed 2x4

up to 7300 lumens

Application

- A highly efficient, visually comfortable, architecturally styled recessed LED luminaire designed with a minimalistic strategy to achieve sustainable objectives.
- Low profile configuration is only 2-11/16" high and is compatible with virtually any plenum.
- Clean, modern design offers a fresh variation on the popular dual chamber theme and provides architectural styling compatible with virtually any area.
- Soft opal diffusers with large luminous area minimize apparent brightness and provide high visual comfort perfect for a wide variety of general lighting applications like offices, schools, retail, or healthcare.
- Multiple lumen packages over a wide range to provide significant application flexibility over light levels and/or luminaire spacing.
- A high lumen package can be used in conjunction with wide luminaire spacing to reduce luminaire quantities and overall cost while maintaining good uniformity.
- Directs a controlled amount of light to the higher angles in the room to balance the brightness of the surfaces and eliminate "cave effect" while creating the impression of a larger, brighter space without glare.
- Excellent color rendering with a CRI of 80.
- LEDs are an excellent source for use with controls since dimming or frequent switching does not degrade the performance or life of the source. Integral or external sensors are available for use.
- Designed for use with standard Grid (NEMA "G") or Narrow Grid (NEMA "NFG") ceiling T-bars. Drywall or plaster requirements can be accommodated by using an FMA24 "F" mounting frame (sold separately.)
- Listed for use in non-insulated ceilings (Type Non-IC).
- DualLED luminaires are DesignLights Consortium® qualified. Please see the DLC QPL list for exact catalog numbers, www.designlights.org/QPL.

Construction/Finish

- Uncomplicated design is well under 3" in depth and only requires a few parts outside of the electrical system and hardware, creating several benefits:
 - Less material required
 - Less packaging required
 - Reduced weight
 - Less energy required for construction and assembly
 - More luminaires can be shipped per truck to reduce fuel use and emissions
- Luminaire is painted after fabrication with a matte white polyester powder coating for a high quality, durable finish with no unfinished edges to create an installation hazard or potential for corrosion.
- T-bar grid clips are included for easy installation

Electrical

- Integral sensor options for occupancy sensing and/or daylight harvesting are available for additional energy savings
- Total luminaire efficacy as high as 130 LPW (lumens per Watt) significantly reduces energy use compared to conventional 2x4 sources.
- Driver and LED boards are easily accessible from below without tools. Multiple LED boards are individually replaceable if needed via plug-in connectors to ensure long service life.
- 0-10V dimming to 1% for Standard configurations, and 5% for Base configurations.
- Emergency options are available to add even more application flexibility. Emergency models require a top mounted driver enclosure or a metal can emergency driver mounted to the housing/top enclosure that increases luminaire depth.
- 5 year manufacturer's limited warranty. Visit signify.com/warranties for complete warranty information.
- Predicted L70 lumen maintenance up to 70,000 hours for Standard configurations and 50,000 hours for Base configurations.

- To estimate lumen output in emergency mode, multiply emergency pack wattage by luminaire efficacy, then by 1.10. Typical lumen output is 1400lm for EMLD and 980lm for EMLD7.
- cETLus listed to UL and CSA standards. Standard DualLED suitable for damp locations.

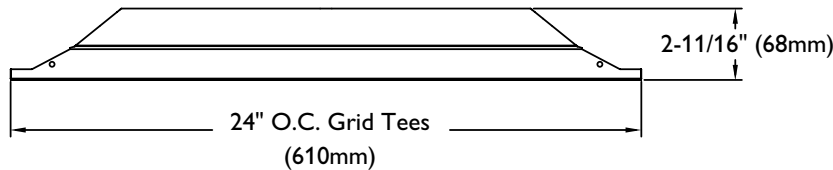
Enclosure

- Dual chamber configuration utilizes two diffusers with large surface area for brightness control.
- Opal diffusers provide soft, comfortable lighting while maintaining high efficiency.
- Diffusers require no frames or fasteners and can be easily removed from below without tools if needed.

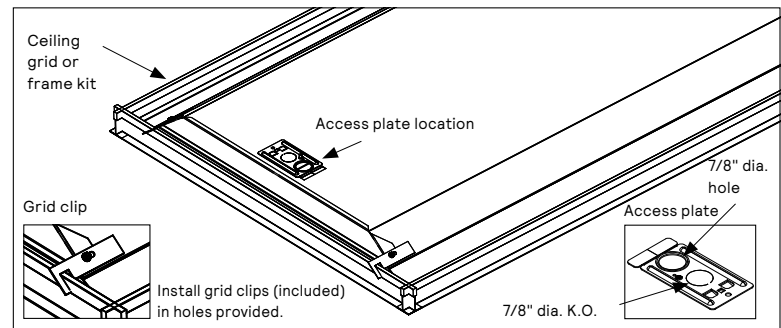
General Notes

- All options factory installed.
- All accessories are field installed.
- Many luminaire components, such as reflectors, refractors, lenses, sockets, lampholders, and LEDs are made from various types of plastics which can be adversely affected by airborne contaminants. If sulfur based chemicals, petroleum based products, cleaning solutions, or other contaminants are expected in the intended area of use, consult factory for compatibility.

Dimensions



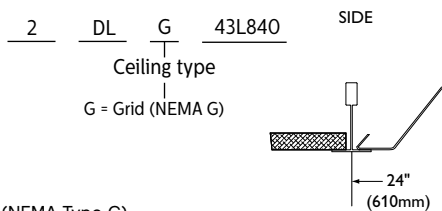
* EMLD and EMLD7 are 1-3/4" (45mm) deeper



Energy Data

| Luminaire | Catalog Number | Input Power | Efficacy |
|--------------|----------------|-------------|----------|
| 2x4 Standard | 2DLG43L840 | 34 | 130 |
| | 2DLG49L840 | 37 | 130 |
| | 2DLG58L840 | 46 | 129 |
| | 2DLG73L840 | 57 | 127 |
| 2x4 Base | 2DLG42B840 | 33 | 128 |

Ceiling Configuration



(NEMA Type G)
Lay-in acoustical ceilings using exposed grid suspension, with tees for luminaires on 24" x 48" spacing.

2DLG DuaLED recessed 2x4

up to 7300 lumens

Wireless Controls Options

SpaceWise DT (SWZDT)

- Standalone daylight and occupancy sensing with advanced grouping and dwell time
- Commissioning via compatible Android phone and Philips Field App
- Dimming via compatible Zigbee wireless wall switch only (see link below for details)
- Register for the commissioning app at <http://registration.componentcloud.philips.com/appregistration/>
- Integral sensing options may not be combined
- For more information including recommended switches, refer to the following: –

SWZDT – www.usa.lighting.philips.com/systems/lighting-systems/spacewise

SpaceWise (SWZG2)

- Commissioning via SWZ-REMOTE handheld remote, must order a minimum of one per installation
- Integral sensing options may not be combined
- 0-10V dimmable to 1%
- For more information on the sensor, please refer to www.lightingproducts.signify.com/documents/webdb2/DayBrite/pdf/SWZG2_sensor.pdf
- Visit www.usa.lighting.philips.com/systems/lighting-systems/spacewise for more information about SpaceWise Technology (SWZG2)

Interact Office (IAO)

- A wireless IoT connected lighting solution for **large enterprises** that span across multiple floors, buildings and require multiple gateways.
- View all your projects under one dashboard and easily compare insights from multiple projects in one view.
- Compatible Zigbee Green Power wall dimmer and wireless Occupancy or Daylight & Occupancy sensors available.
- Use Interact Office software and insights to increase building efficiency, achieve building wide integration and optimize space through occupancy analytics.
- Supports advanced IoT Apps on wayfinding, room/desk reservation and offers open APIs
- Requires compatible Interact Office Gateway and internet connectivity for commissioning.
- For more information on Interact Office Wireless, visit:
www.interact-lighting.com/office or
www.usa.lighting.philips.com/systems/system-areas/offices

DuaLED shown with integral sensor



SWZDT sensor shown

up to 7300 lumens

2x4 DuaLED, 4200 nominal delivered lumens

| | |
|----------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|
| Catalog No. | 2DLG42B840-4-D-UNV |
| Test No. | 37667 |
| S/MH | 1.3 |
| Lamp Type | LED |
| Lumens/Lamp | 4161 |
| Input Watts | 33 |
| Comparative yearly lighting energy cost per 1000 lumens – \$1.88 based on 3000 hrs. and \$.08 pwr KWH. | |
| The photometric results were obtained in the Day-Brite laboratory which is NVLAP accredited by the National Institute of Standards and Technology. | |
| Photometric values based on test performed in compliance with LM-79. | |

| Candela distribution | | | | |
|----------------------|------------------|------|------|------|
| Vertical Angle | Horizontal Angle | | | |
| | 0° | 45° | 90° | -45° |
| 0 | 1434 | 1434 | 1434 | 1434 |
| 5 | 1432 | 1428 | 1431 | 1428 |
| 15 | 1379 | 1379 | 1383 | 1379 |
| 25 | 1280 | 1280 | 1283 | 1280 |
| 35 | 1135 | 1140 | 1146 | 1140 |
| 45 | 956 | 967 | 975 | 967 |
| 55 | 748 | 765 | 771 | 765 |
| 65 | 521 | 540 | 536 | 540 |
| 75 | 275 | 276 | 272 | 276 |
| 85 | 82 | 75 | 75 | 75 |

| Light Distribution | | | Average Luminance | | | |
|--------------------|--------|-------------|-------------------|------|------|-------|
| Degrees | Lumens | % Luminaire | Angle | End | 45° | Cross |
| 0-30 | 1114 | 26.8 | 45 | 1965 | 1986 | 2002 |
| 0-40 | 1827 | 43.9 | 55 | 1893 | 1937 | 1953 |
| 0-60 | 3253 | 78.2 | 65 | 1790 | 1855 | 1841 |
| 0-90 | 4161 | 100.0 | 75 | 1543 | 1550 | 1526 |
| | | | 85 | 1367 | 1248 | 1245 |

| Coefficients of Utilization | | | | | | | | |
|------------------------------------------------------|---------------------------------------------------------|-----|-----|-----|-----|-----|-----|-----|
| EFFECTIVE FLOOR CAVITY REFLECTANCE 20 PER (pfc=0.20) | | | | | | | | |
| Ceiling (pcc) | 80% | | | 70% | | | 50% | |
| Wall (pw) | 70 | 50 | 30 | 70 | 50 | 30 | 50 | 30 |
| RCR | Zonal cavity method - Effective floor reflectance = 20% | | | | | | | |
| Room Cavity Ratio | 0 | 118 | 118 | 118 | 115 | 115 | 115 | 111 |
| | 1 | 109 | 104 | 98 | 106 | 101 | 96 | 96 |
| | 2 | 98 | 90 | 82 | 95 | 88 | 81 | 84 |
| | 3 | 90 | 79 | 70 | 86 | 77 | 69 | 73 |
| | 4 | 81 | 69 | 60 | 80 | 68 | 59 | 66 |
| | 5 | 75 | 61 | 53 | 72 | 60 | 53 | 58 |
| | 6 | 69 | 56 | 46 | 68 | 55 | 46 | 53 |
| | 7 | 64 | 51 | 41 | 63 | 50 | 41 | 47 |
| | 8 | 59 | 46 | 38 | 57 | 46 | 36 | 44 |
| | 9 | 56 | 42 | 34 | 55 | 41 | 34 | 40 |
| 10 | 53 | 39 | 30 | 51 | 39 | 30 | 38 | 33 |

2x4 DuaLED, 4300 nominal delivered lumens

| | |
|----------------------------------------------------------------------------------------------------------------------------------------------------|----------------|
| Catalog No. | 2DLG43L840-4-D |
| Test No. | 36164 |
| S/MH | 1.3 |
| Lamp Type | LED |
| Lumens/Lamp | 4445 |
| Input Watts | 34.1 |
| Comparative yearly lighting energy cost per 1000 lumens – \$1.85 based on 3000 hrs. and \$.08 pwr KWH. | |
| The photometric results were obtained in the Day-Brite laboratory which is NVLAP accredited by the National Institute of Standards and Technology. | |
| Photometric values based on test performed in compliance with LM-79. | |

| Candela distribution | | | | |
|----------------------|------------------|------|------|------|
| Vertical Angle | Horizontal Angle | | | |
| | 0° | 45° | 90° | -45° |
| 0 | 1530 | 1530 | 1530 | 1530 |
| 5 | 1524 | 1524 | 1528 | 1524 |
| 15 | 1471 | 1476 | 1481 | 1476 |
| 25 | 1365 | 1372 | 1379 | 1372 |
| 35 | 1210 | 1220 | 1232 | 1220 |
| 45 | 1016 | 1032 | 1044 | 1032 |
| 55 | 790 | 811 | 820 | 811 |
| 65 | 548 | 568 | 566 | 568 |
| 75 | 307 | 310 | 302 | 310 |
| 85 | 91 | 75 | 71 | 75 |

| Light Distribution | | | Average Luminance | | | |
|--------------------|--------|-------------|-------------------|------|------|-------|
| Degrees | Lumens | % Luminaire | Angle | End | 45° | Cross |
| 0-30 | 1193 | 26.8 | 45 | 2679 | 2721 | 2752 |
| 0-40 | 1956 | 44.0 | 55 | 2569 | 2636 | 2666 |
| 0-60 | 3472 | 78.1 | 65 | 2418 | 2508 | 2497 |
| 0-90 | 4445 | 100.0 | 75 | 2213 | 2235 | 2176 |
| | | | 85 | 1945 | 1609 | 1523 |

| Coefficients of Utilization | | | | | | | | | |
|------------------------------------------------------|---------------------------------------------------------|-----|-----|-----|-----|-----|-----|-----|-----|
| EFFECTIVE FLOOR CAVITY REFLECTANCE 20 PER (pfc=0.20) | | | | | | | | | |
| Ceiling (pcc) | 80% | | | 70% | | 50% | | | |
| Wall (pw) | 70 | 50 | 30 | 70 | 50 | 30 | 50 | 30 | |
| RCR | Zonal cavity method - Effective floor reflectance = 20% | | | | | | | | |
| Room Cavity Ratio | 0 | 118 | 118 | 118 | 115 | 115 | 115 | 111 | 111 |
| | 1 | 109 | 104 | 98 | 106 | 101 | 96 | 96 | 93 |
| | 2 | 98 | 90 | 82 | 95 | 88 | 81 | 84 | 79 |
| | 3 | 90 | 79 | 70 | 86 | 77 | 69 | 73 | 68 |
| | 4 | 81 | 69 | 60 | 80 | 68 | 59 | 66 | 58 |
| | 5 | 75 | 61 | 53 | 72 | 60 | 53 | 58 | 52 |
| | 6 | 69 | 56 | 46 | 68 | 55 | 46 | 53 | 46 |
| | 7 | 65 | 51 | 41 | 63 | 50 | 41 | 47 | 40 |
| | 8 | 59 | 46 | 38 | 57 | 46 | 36 | 44 | 36 |
| | 9 | 56 | 42 | 34 | 55 | 41 | 34 | 40 | 34 |
| 10 | 53 | 39 | 30 | 51 | 39 | 30 | 38 | 30 | |

2x4 DuaLED, 4900 nominal delivered lumens

| | |
|----------------------------------------------------------------------------------------------------------------------------------------------------|----------------|
| Catalog No. | 2DLG49L840-4-D |
| Test No. | 36166 |
| S/MH | 1.3 |
| Lamp Type | LED |
| Lumens/Lamp | 4919 |
| Input Watts | 37.7 |
| Comparative yearly lighting energy cost per 1000 lumens – \$1.85 based on 3000 hrs. and \$.08 pwr KWH. | |
| The photometric results were obtained in the Day-Brite laboratory which is NVLAP accredited by the National Institute of Standards and Technology. | |
| Photometric values based on test performed in compliance with LM-79. | |

| Candela distribution | | | | |
|----------------------|------|------------------|------|------|
| Vertical Angle | 0° | Horizontal Angle | | |
| | | 45° | 90° | -45° |
| 0 | 1692 | 1692 | 1692 | 1692 |
| 5 | 1686 | 1687 | 1691 | 1687 |
| 15 | 1628 | 1633 | 1639 | 1633 |
| 25 | 1512 | 1517 | 1526 | 1517 |
| 35 | 1338 | 1351 | 1362 | 1351 |
| 45 | 1123 | 1141 | 1155 | 1141 |
| 55 | 873 | 896 | 908 | 896 |
| 65 | 604 | 629 | 626 | 629 |
| 75 | 339 | 343 | 334 | 343 |
| 85 | 101 | 84 | 79 | 84 |

| Light Distribution | | | Average Luminance | | | |
|--------------------|--------|-------------|-------------------|------|------|-------|
| Degrees | Lumens | % Luminaire | Angle | End | 45° | Cross |
| 0-30 | 1320 | 26.8 | 45 | 2962 | 3010 | 3045 |
| 0-40 | 2165 | 44.0 | 55 | 2838 | 2913 | 2953 |
| 0-60 | 3842 | 78.1 | 65 | 2666 | 2777 | 2763 |
| 0-90 | 4919 | 100.0 | 75 | 2444 | 2474 | 2403 |
| | | | 85 | 2155 | 1804 | 1692 |

| Coefficients of Utilization | | | | | | | | |
|------------------------------------------------------|---------------------------------------------------------|-----|-----|-----|-----|-----|-----|-----|
| EFFECTIVE FLOOR CAVITY REFLECTANCE 20 PER (pfc=0.20) | | | | | | | | |
| Ceiling (pcc) | 80% | | | 70% | | | 50% | |
| Wall (pw) | 70 | 50 | 30 | 70 | 50 | 30 | 50 | 30 |
| RCR | Zonal cavity method - Effective floor reflectance = 20% | | | | | | | |
| Room Cavity Ratio | 0 | 118 | 118 | 118 | 115 | 115 | 115 | 111 |
| | 1 | 109 | 104 | 98 | 106 | 101 | 96 | 96 |
| | 2 | 98 | 90 | 82 | 95 | 88 | 81 | 84 |
| | 3 | 90 | 79 | 70 | 86 | 77 | 69 | 73 |
| | 4 | 81 | 69 | 60 | 80 | 68 | 59 | 66 |
| | 5 | 75 | 61 | 53 | 72 | 60 | 53 | 58 |
| | 6 | 69 | 56 | 46 | 68 | 55 | 46 | 53 |
| | 7 | 65 | 51 | 41 | 63 | 50 | 41 | 47 |
| | 8 | 59 | 46 | 38 | 57 | 46 | 36 | 44 |
| | 9 | 56 | 42 | 34 | 55 | 41 | 34 | 40 |
| 10 | 53 | 39 | 30 | 51 | 39 | 30 | 38 | |

2DLG DuaLED recessed 2x4

up to 7300 lumens

2x4 DuaLED, 5800 nominal delivered lumens

LER – 129

Catalog No. 2DLG58L840-4-D

Test No. 36167

S/MH 1.3

Lamp Type LED

Lumens/Lamp 6007

Input Watts 46.3

Comparative yearly lighting energy cost per 1000 lumens – **\$1.85** based on 3000 hrs. and \$.08 pwr KWH.

The photometric results were obtained in the Day-Brite laboratory which is NVLAP accredited by the National Institute of Standards and Technology.

Photometric values based on test performed in compliance with LM-79.

Candela distribution

| Vertical Angle | Horizontal Angle | | | |
|----------------|------------------|------|------|------|
| | 0° | 45° | 90° | -45° |
| 0 | 2067 | 2067 | 2067 | 2067 |
| 5 | 2059 | 2060 | 2066 | 2060 |
| 15 | 1989 | 1994 | 2001 | 1994 |
| 25 | 1845 | 1853 | 1864 | 1853 |
| 35 | 1636 | 1648 | 1666 | 1648 |
| 45 | 1372 | 1393 | 1411 | 1393 |
| 55 | 1068 | 1096 | 1109 | 1096 |
| 65 | 741 | 769 | 765 | 769 |
| 75 | 416 | 419 | 407 | 419 |
| 85 | 123 | 102 | 95 | 102 |

Light Distribution

| Degrees | Lumens | % Luminaire |
|---------|--------|-------------|
| 0-30 | 1612 | 26.8 |
| 0-40 | 2644 | 44.0 |
| 0-60 | 4692 | 78.1 |
| 0-90 | 6007 | 100.0 |

Average Luminance

| Angle | End | 45° | Cross |
|-------|------|------|-------|
| 45 | 3618 | 3675 | 3721 |
| 55 | 3471 | 3562 | 3604 |
| 65 | 3269 | 3392 | 3376 |
| 75 | 2994 | 3021 | 2934 |
| 85 | 2640 | 2187 | 2039 |

Coefficients of Utilization

EFFECTIVE FLOOR CAVITY REFLECTANCE 20 PER (pfc=0.20)

| Ceiling (pcc) | 80% | | | 70% | | | 50% | | |
|---------------|---------------------------------------------------------|-----|-----|-----|-----|-----|-----|-----|-----|
| | 70 | 50 | 30 | 70 | 50 | 30 | 50 | 30 | 30 |
| Wall (pw) | Zonal cavity method - Effective floor reflectance = 20% | | | | | | | | |
| RCR | Zonal cavity method - Effective floor reflectance = 20% | | | | | | | | |
| 0 | 118 | 118 | 118 | 115 | 115 | 115 | 111 | 111 | 111 |
| 1 | 109 | 104 | 98 | 106 | 101 | 96 | 96 | 96 | 93 |
| 2 | 98 | 90 | 82 | 95 | 88 | 81 | 84 | 79 | 79 |
| 3 | 90 | 79 | 70 | 86 | 77 | 69 | 73 | 68 | 68 |
| 4 | 81 | 69 | 60 | 80 | 68 | 59 | 66 | 58 | 58 |
| 5 | 75 | 61 | 53 | 72 | 60 | 53 | 58 | 52 | 52 |
| 6 | 69 | 56 | 46 | 68 | 55 | 46 | 53 | 46 | 46 |
| 7 | 65 | 51 | 41 | 63 | 50 | 41 | 47 | 40 | 40 |
| 8 | 59 | 46 | 38 | 57 | 46 | 36 | 44 | 36 | 36 |
| 9 | 56 | 42 | 34 | 55 | 41 | 34 | 40 | 34 | 34 |
| 10 | 53 | 39 | 30 | 51 | 39 | 30 | 38 | 30 | 30 |

2x4 DuaLED, 7300 nominal delivered lumens

LER – 127

Catalog No. 2DLG73L840-4-D

Test No. 36170

S/MH 1.3

Lamp Type LED

Lumens/Lamp 7307

Input Watts 57.3

Comparative yearly lighting energy cost per 1000 lumens – **\$1.88** based on 3000 hrs. and \$.08 pwr KWH.

The photometric results were obtained in the Day-Brite laboratory which is NVLAP accredited by the National Institute of Standards and Technology.

Photometric values based on test performed in compliance with LM-79.

Candela distribution

| Vertical Angle | Horizontal Angle | | | |
|----------------|------------------|------|------|------|
| | 0° | 45° | 90° | -45° |
| 0 | 2514 | 2514 | 2514 | 2514 |
| 5 | 2504 | 2506 | 2513 | 2506 |
| 15 | 2419 | 2427 | 2434 | 2427 |
| 25 | 2246 | 2256 | 2266 | 2256 |
| 35 | 1989 | 2006 | 2026 | 2006 |
| 45 | 1669 | 1695 | 1716 | 1695 |
| 55 | 1299 | 1331 | 1348 | 1331 |
| 65 | 900 | 933 | 931 | 933 |
| 75 | 505 | 510 | 496 | 510 |
| 85 | 150 | 124 | 117 | 124 |

Light Distribution

| Degrees | Lumens | % Luminaire |
|---------|--------|-------------|
| 0-30 | 1961 | 26.8 |
| 0-40 | 3216 | 44.0 |
| 0-60 | 5707 | 78.1 |
| 0-90 | 7308 | 100.0 |

Average Luminance

| Angle | End | 45° | Cross |
|-------|------|------|-------|
| 45 | 4402 | 4470 | 4525 |
| 55 | 4222 | 4329 | 4384 |
| 65 | 3973 | 4117 | 4108 |
| 75 | 3641 | 3671 | 3570 |
| 85 | 3216 | 2655 | 2495 |

Coefficients of Utilization

EFFECTIVE FLOOR CAVITY REFLECTANCE 20 PER (pfc=0.20)

| Ceiling (pcc) | 80% | | | 70% | | | 50% | | |
|---------------|---------------------------------------------------------|-----|-----|-----|-----|-----|-----|-----|-----|
| | 70 | 50 | 30 | 70 | 50 | 30 | 50 | 30 | 30 |
| Wall (pw) | Zonal cavity method - Effective floor reflectance = 20% | | | | | | | | |
| RCR | Zonal cavity method - Effective floor reflectance = 20% | | | | | | | | |
| 0 | 118 | 118 | 118 | 115 | 115 | 115 | 111 | 111 | 111 |
| 1 | 109 | 104 | 98 | 106 | 101 | 96 | 96 | 96 | 93 |
| 2 | 98 | 90 | 82 | 95 | 88 | 81 | 84 | 79 | 79 |
| 3 | 90 | 79 | 70 | 86 | 77 | 69 | 73 | 68 | 68 |
| 4 | 81 | 69 | 60 | 80 | 68 | 59 | 66 | 58 | 58 |
| 5 | 75 | 61 | 53 | 72 | 60 | 53 | 58 | 52 | 52 |
| 6 | 69 | 56 | 46 | 68 | 55 | 46 | 53 | 46 | 46 |
| 7 | 65 | 51 | 41 | 63 | 50 | 41 | 47 | 40 | 40 |
| 8 | 59 | 46 | 38 | 57 | 46 | 36 | 44 | 36 | 36 |
| 9 | 56 | 42 | 34 | 55 | 41 | 34 | 40 | 34 | 34 |
| 10 | 53 | 39 | 30 | 51 | 39 | 30 | 38 | 30 | 30 |

The information presented in this document is not intended as any commercial offer and does not form part of any quotation or contract.

