# IP66 Dense 276

IP66 GEN22 Linear Light

WISDOM LIGHT




The Dense 276, an IP66-rated linear luminaire, is an ideal choice for long-term professional lighting applications in wet locations.

It features a unique triple-cavity extruded aluminum housing with a double-layer isolation end cap structure.

Mounting options include rigid stem pendant, recessed, wall, and surface mount.
Designed for demanding environments, this IP66-rated luminaire offers protection against moisture, wind, dust, oil, and insects.

The co-extruded gasketed lens is IK10-rated, offering superior impact resistance and a clean appearance with no exposed fasteners.

## Wiring & Application Options

### Standard (Non-Linkable)



#### Top Exit Wiring

**Best for :** Individual installation (Pendant, Surface, Wall, Recessed).

**Clean Aesthetic :** Hidden wiring for a seamless look.

*Note: Non-Linkable. Standard version version cannot be connected in series.

### Linkable (Continuous Run)



#### Side Exit Wiring

**Best for :** Long linear runs and large area lighting.

Efficient power feed. Connect up to 7 units on one power feed.For single-unit installation, internal terminal wiring is reduced for a cleaner and simpler configuration.

| Dense 276 | Length | Wattage Select | Lumen | Nominal Efficacy | CCT Select | Input Voltage | Dimmable | CRI | Flicker | UGR |
|---|---|---|---|---|---|---|---|---|---|---|
| WL-22LSD2FT20WB3D1UV (XXK-XXK-XXK)-YY | 2FT | 10W/15W/20WSelect | 1050Lm 1575Lm 2100Lm | 105Lm/W | 3000K/3500K/4000K Select or 3000K/4000K/5000K Select | AC120-277V | 0-10V (1%-100%, dim to off) | >80 | <5% | 28 |
| WL-22LSD4FT40WB3D1UV (XXK-XXK-XXK)-YY | 4FT | 20W/30W/40WSelect | 2100Lm 3150Lm 4200Lm | 105Lm/W | | | | | | |
| WL-22LSD8FT80WB3D1UV (XXK-XXK-XXK)YY | 8FT | 40W/60W/80WSelect | 4200Lm 6300Lm 8400Lm | 105Lm/W | | | | | | |
| WL-22LSD 8FT140WADUV(XXK)-YY | 8FT | 140W | 14700Lm | 105Lm/W | 3000K-5000K Single CCT | | 0-10V (10%-100%) | | | |
| WL-22LSD4FT70WADUV(XXK)-YY | 4FT | 70W | 7350lm | 105Lm/W | | | | | | |

* Remark: CRI 90 are available,
Standard Color Tolerance: ⩽ 5SDCM (Single CCT) , ⩽ 7SDCM （Mixed CCT）;⩽ 3SDCM or ⩽ 5SDCM, are available.




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## Order Guide

**Sample Model#:** Dense 276 WL-22LSD4FT40WB3D1UV(30K-35K-40K)-WH

| Dense 276 | WL-22LSD | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Luminaire ID | Product Name | Length | Wattage | Series | Dimming | Voltage | CCT(SDCM<5) | Finish | Wiring Exit Type |
| Dense 276 = 2.75 " width | WL-22LSD= Gen22 IP66 Linear Down Light Only | 2FT<br>4FT<br>8FT | 20W=10W/15W/ 20W Select<br>40W=20W/30W/ 40W Select<br>70W=70W<br>80W=40W/60W/ 80W Select<br>140W=140W | B3=3CCT Select (Internal dip-switch) 3Watt Select (Internal dip-switch)<br>A=Single CCT | D1=0-10V (1%-100%)<br>D=0-10V (10%-100%) | UV=120-277V | (30K-35K-40K)= 3000K/3500K/4000K 3-CCT Select<br>(30K-40K-50K)= 3000K/4000K/5000K 3-CCT Select<br>XXK=3000K/3500K/ 4000K/5000K Single | YY=<br>BK=Black<br>WH=White<br>SA=Silver | U = Top exit (Standard version, non-linkable)<br>S = Side exit (Linkable version)-Option |

## Accessories

| Mounting Accessories | Topside power feed | Other Accessories |
|---|---|---|
| NPT=1/2'&3/4 NPT stem Pendant | SLC=Top Waterproof Connector | AC07=5-Core 300VCable 7FT,L=2.13m |
| SMB=B-Type Surface Mount | SL7=7FT cablebn top(waterproof connector ),Black | AC12=5-Core 300V Cable 12FT,L=3.66m |
| WMB=B-type wall mount | SL12=12FT cablebn top(waterproof connector ),Black | UDF=Upper Decorative Film |
| RMG=Frame Type Recessed Mount Kits | | EM8=External IP65 Emergency backup |
| RMD=D-Type/T-grid Flangeless Recessed Mount | | 8EM=Internal 8W 90mins Emergency backup (Factory Pre-install) |
| RML=C-Type/Flangeless Recessed Mount | | LIK= Linking Kit |



SLC=Top Waterproof Connector
SL7=7FT cablebn top(waterproof connector ),Black
SL12=12FT cablebn top(waterproof connector ),Black



UDF=Upper Decorative Film
Made of PET material is designed to prevent dust accumulation in the top slot during hoisting or installation.The standard length is 2FT,could be cut to any length



AC07=
5-Core 300V Cable 7FT,L=2.13m
AC12=
5-Core 300V Cable 12FT,L=3.66m



8EM=Internal 8W 90mins Emergency backup(Ext erior)



EM8=External IP65 Emergency backup




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## Product Specifications

### Construction

- Precision cut housing extruded from 6063 aluminum
- Die-casting end-caps ensure a robust and clean construction
- Nominal 2'-8' illuminated sections for continuous runs
- Standard white, black, silver and custom powder coat paint
- Co-extruded stabilized gaskets run the length of the diffusers to prevent water and dust intrusion.

### Light Engine

- Standard 3 CCT select, 3000K/3500K/4000K
- CRI Ra≥80 or Ra≥90 ,Standard Color accuracy:
  ≤ 5SDCM (Single CCT) , ≤ 7SDCM (Mixed CCT)
  ≤ 3SDCM or ≤ 5SDCM, are available

### LED Drivers

- Class II UL certified driver
- Traditional electronic drivers are available for AC120- 277V
- Flicker free <5%, PFC>0.9, THD<20%

### Controls and Integrated Sensors

- Equipped standard with a 0-10V continuous dimming driver. Compatible with most standard dimming devices
- Additional control types are available (DALI & Lutron)

### Mounting

- Pendant
- Surface Mount
- Wall Mount
- Recessed

### LINKABLE FUNCTION

- Max number after interconnection
  2FT=7 units 4FT=7 units 8FT=4 units
- Total connected load is <420W at 120V & <960W at 277V

### Lumen Maintenance

- 90% (L90) of initial light output at 36,000+ hrs
- 70% (L70) of initial light output at 54,000+ hrs
- Derived from TM-21 standard @25°C for worst case operating conditions

### Lengths

- Available in 2FT, 4FT, 8FT length .
- Additional fixture lengths are available please consult factory

### Electrical

- 0-10V Dimming provided as standard
- Exterior Battery backup options provided

### Weight

- Approximately 1.87lbs per foot, Weight may vary depending on mounting and additional options selected

### Environment

- Suited for wet location installations.
- Operating temperature range: -25° C to 50° C
  (for 70W and 140W models, the operating temperature range is -25°C to 40°C).

### Compliance

- ETL - listed for wet locations
- Tested to IESNA LM-79 and LM-80

### Warranty

- Five year warranty standard. Optional ten year warranty available



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# IP66 Dense 276

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## Standard Version Features

### WIRING VS. MOUNTING COMPATIBILITY

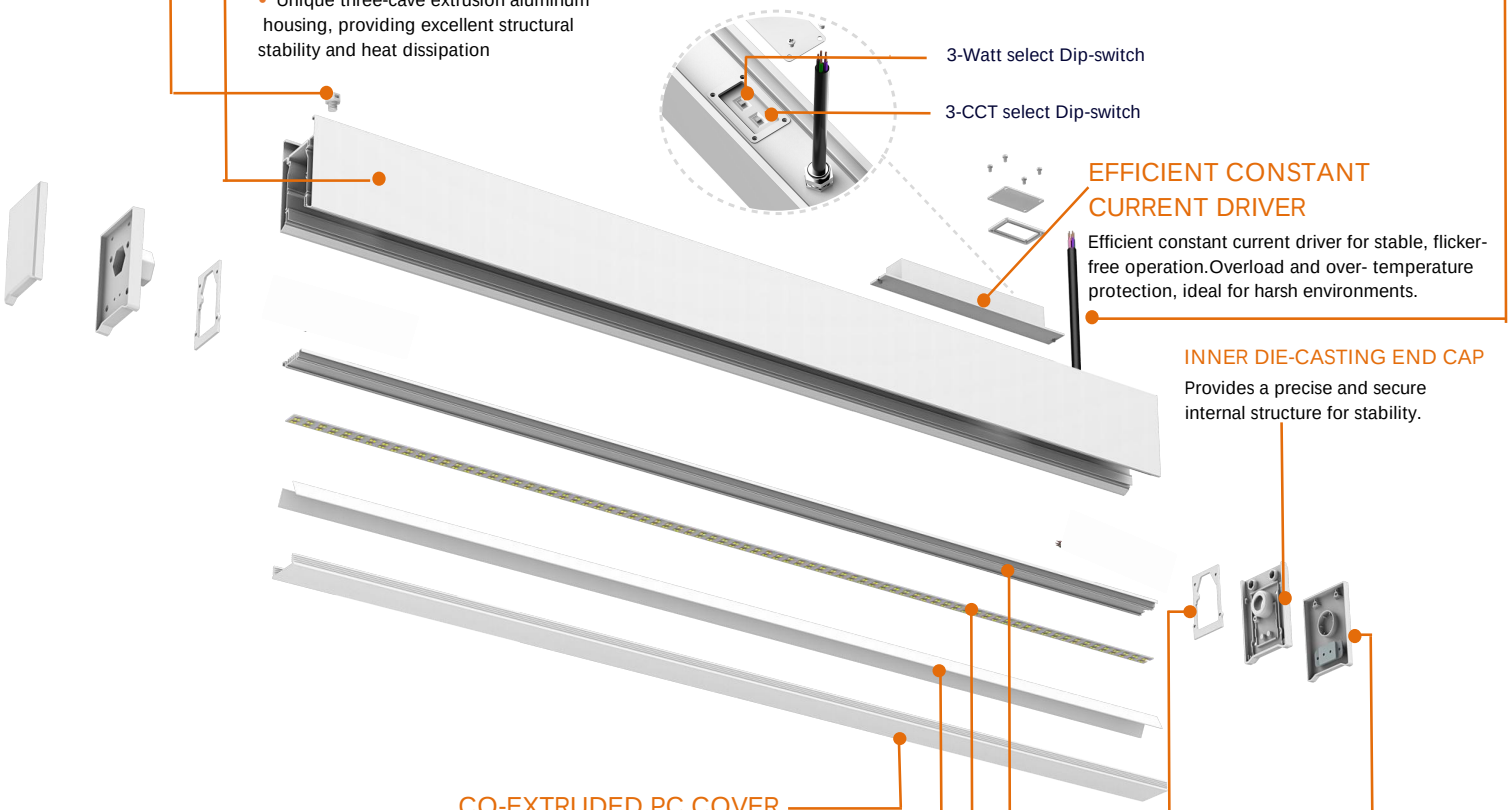
| Mounting | Top Exit | Side Exit |
|---|---|---|
| **Pendant Mount** | Standard. J-Box above the fixture | Linkable Only. Power feed at the start of row. |
| **Surface Mount** | Recommended. Hides the J-Box | Need external J-Box/Conduit. |
| **Wall Mount** | Standard. Direct cover on J-Box | For continuous wall runs. |
| **Recessed Mount** | Standard. Space required above | Not Recommended (unless row mounting). |

### PRESSURE-BALANCING BREATHER VALVE

- Balances internal pressure, preventing moisture buildup and enhancing waterproof performance.
- Ensures long-term stable operation in high-humidity environments.

### THREE-CAVE EXTRUSION ALUMINUM HOUSING

- Unique three-cave extrusion aluminum housing, providing excellent structural stability and heat dissipation




### EFFICIENT CONSTANT CURRENT DRIVER

Efficient constant current driver for stable, flicker-free operation.Overload and over- temperature protection, ideal for harsh environments.

### INNER DIE-CASTING END CAP

Provides a precise and secure internal structure for stability.

### CO-EXTRUDED PC COVER

- Co-extruded waterproof PC lens, integrated with a silicone gasket for higher IP protection.
- IK10-rated, impact-resistant, and UV-resistant PC material, preventing yellowing.

### HIGH REFLECTIVE SHEET

- High-efficiency reflection, improving light output and optimizing lighting.
- Resistant to oxidation and moisture, suitable for humi d environments.

### High-efficiency LED Board

### PRECISION HEATSINK

- Optimized Thermal Management

Helps maintain stable operation by reducing heat buildup.

### OUTER DIE-CASTING END CAP

Enhances durability with a clean exterior finish.

### WATERPROOF SILICONE GASKET

- Co-extruded with housing, ensuring seamles s sealing and IP65 protection.
- Heat and aging resistant, providing long-lasting waterproof and dustproofperformance.




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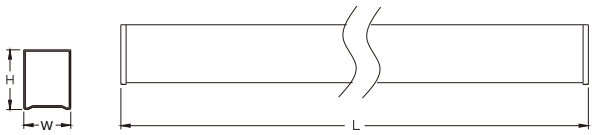

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IP66 GEN22 Linear Light

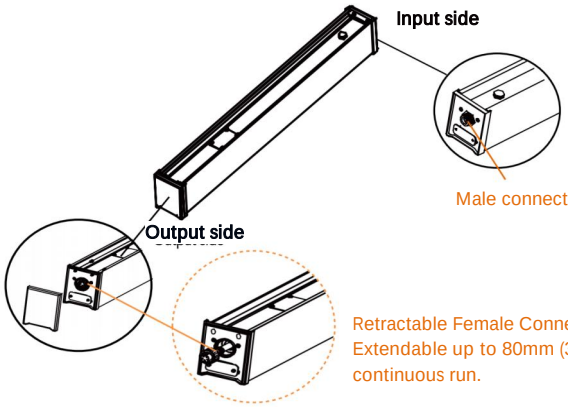
WISDOM LIGHT

## Dimension




| Size | L=Length | W=Width | H=Height |
|---|---|---|---|
| 2' | 24.88" (632mm) | 2.99"(76mm) | 3.78"(96mm) |
| 4' | 48.50" (1232mm) | | |
| 8' | 95.75" (2432mm) | | |

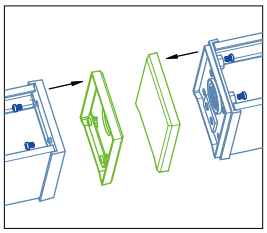
## Linkable Version



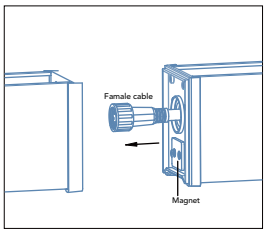

Retractable Female Connector: Extendable up to 80mm (3.15")for easy continuous run.

Note: The input side connect the input wire, the output side used for continuous run, to connect the middle or end fixtures

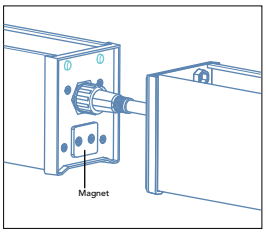
## Quick linkable function



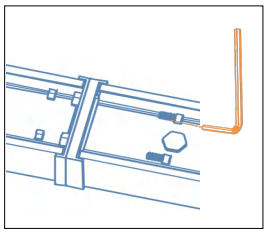
1.Remove the screws and disassemble the outer end cover



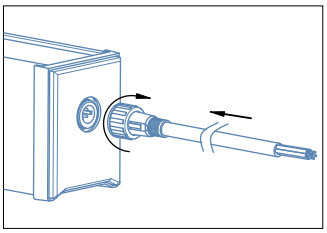

2.Insert the rubber stopper into the hole and pull out the female wire




3.Connect the female wire to the male connector of another light fixture



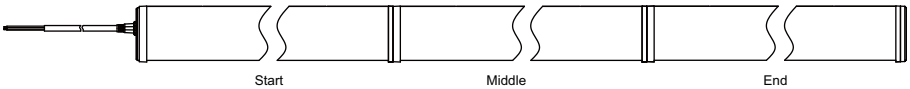
4.Put the two fixtures close together and tighten them with the magnets at both ends



5.Plug the input wire into the first fixture.

## Single Direction

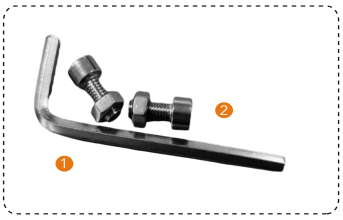
Input 120-277V




Max number after interconnection 2FT= 7 units 4FT=7 units 8FT=4 units

Total connected load is <420W at 120V & <960W at 277V

LIK= Linking Kit




| | | |
|---|---|---|
| 1 | Surface mount bracket | 1PCS |
| 2 | Screws | 2PCS |

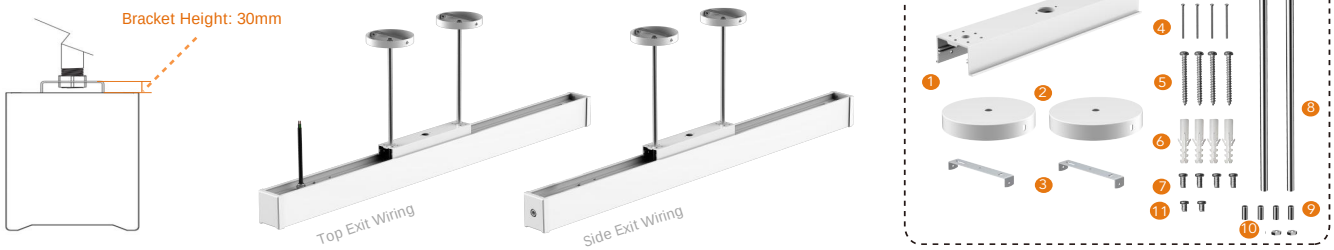



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## Accessory Options

### 1.1 NPT-1/2"& 3/4 NPT Pendant



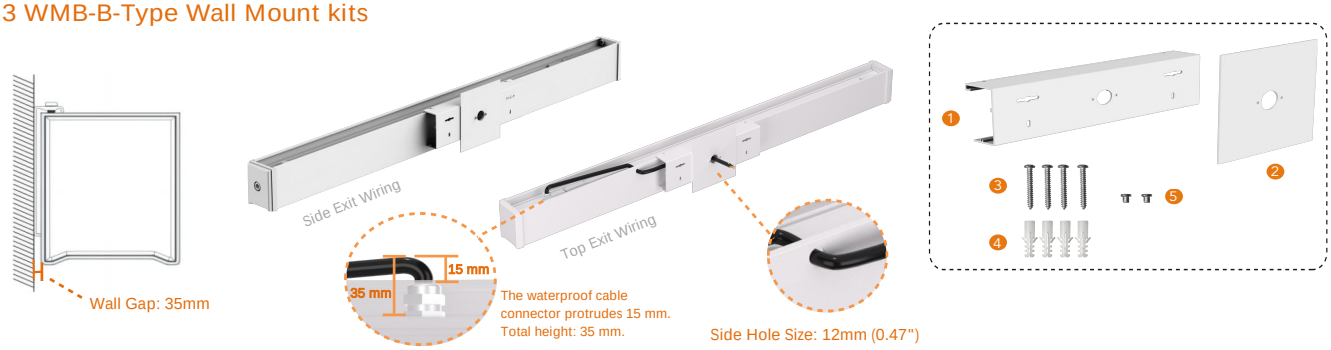

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | Pendant Bracket | 1PCS | 4 | ScrewM4x50mm | 4PCS | 7 | Screw PM4*50mm | 6PCS | 10 | M10 nut | 2PCS |
| 2 | Canopy | 2PCS | 5 | Screw BA4x30mm | 4PCS | 8 | Stem (linckable standard length 1FT) | 2PCS | 11 | Screw PWM4x8mm | 2PCS |
| 3 | U Bracket | 4PCS | 6 | Plastic Anchor | 4PCS | 9 | Cored screw M10X20mm | 4PCS | | | |

### 1.2 SMB - B-Type Surface Mount




| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | Surface mount bracket | 1PCS | 2 | Junction box cover | 1PCS | 3 | Screw PM4X70mm | 4PCS | 4 | M4 aircraft expansion Screws | 4PCS |
| 5 | Plastic Anchor | 4PCS | 6 | Screw BA4x30mm | 4PCS | 7 | Screw PM4*6mm | 2PCS | 8 | | |

### 1.3 WMB-B-Type Wall Mount kits




| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | Wall-mount Bracket | 2PCS | 2 | Junction box cover | 1PCS | 3 | PA4*30MM | 4PCS | 4 | Plastic Anchor | 4PCS | 5 | Screw PM4X6mm | 2PCS |




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## Accessory Options

### 1.4 RMG-Frame Type Recessed Mount Kits




| Recommended hole size | | |
|---|---|---|
| Fixture Size | Length(in) | Width(in) |
| 2FT | 25.79 | 3.86 |
| 4FT | 49.41 | 3.86 |
| 8FT | 96.65 | 3.86 |

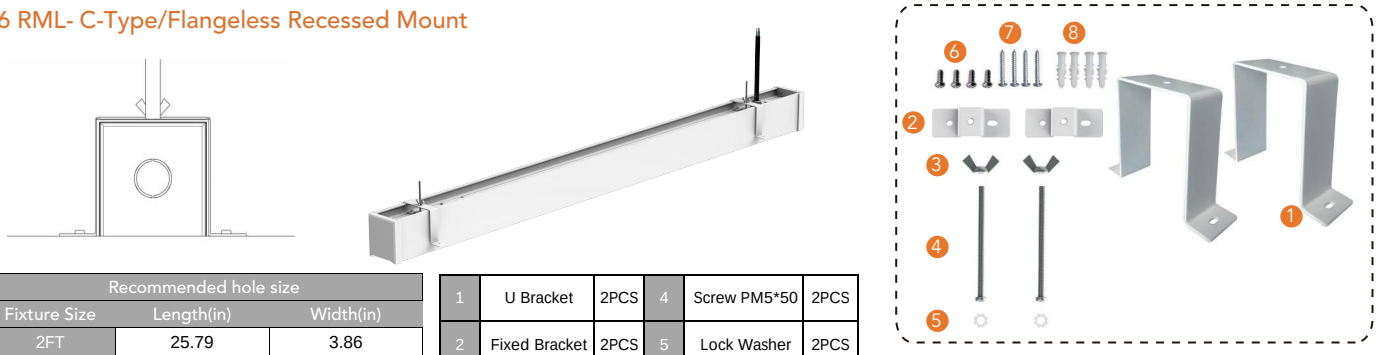
| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 1 | Recessed Frame | 1PCS | 2 | Fixture Spring Clips | 2pcs(2')<br>4pcs(4')<br>6pcs(8') | 3 | U Bracket | 2pcs(2')<br>3pcs(4')<br>7pcs(8') |
| 4 | ScrewPB3.5*8 | 4pcs(2')<br>8pcs(4')<br>14pcs(8') | 5 | Screw PM4*8 | 4pcs(2')<br>8pcs(4')<br>12pcs(8') | 6 | Safety Cable | 2pcs(2'/4')<br>3pcs(8') |

### 1.5 RMD-D-Type/T-grid Flangeless Recessed Mount



| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 1 | U Bracket | 2PCS | 2 | Fixed Bracket | 2PCS | 3 | M5 Wing nut | 2PCS |
| 4 | Screw PM5*50 | 2PCS | 5 | Lock Washer | 2PCS | 6 | Screw PM4*8 | 4PCS |

### 1.6 RML- C-Type/Flangeless Recessed Mount



| Recommended hole size | | |
|---|---|---|
| Fixture Size | Length(in) | Width(in) |
| 2FT | 25.79 | 3.86 |
| 4FT | 49.41 | 3.86 |
| 8FT | 96.65 | 3.86 |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | U Bracket | 2PCS | 4 | Screw PM5*50 | 2PCS | | | | | | |
| 2 | Fixed Bracket | 2PCS | 5 | Lock Washer | 2PCS | | | | | | |
| 3 | M5 Wing nut | 2PCS | 6 | Screw PM4*8 | 4PCS | 7 | Screw PA4*30 | 4PCS | 8 | Plastic Anchor | 4PCS |




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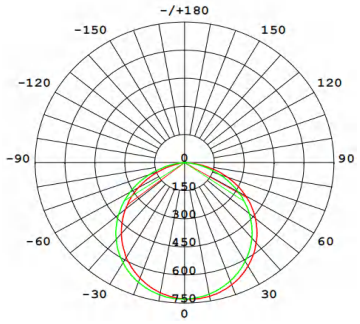
## Light distribution

| Size&Housing & CCT | Lumen output | |
|---|---|---|
| | Standard | High Power |
| 4FT&White & 3000K | 787.5LM/FT,7.5W/FT | 1837.5LM/FT,17.5W/FT |

All efficacy is ±5% base on different CCT and lighting distributions. For other lens, CCT, housing color etc. please check the IES file to gain

Dense-276

Dense-276/2FT/20W/RA80/3500K/White




AVERAGE BEAM ANGLE(50%):111.2 DEG

NOMINALFLUX(lm):2029.48,NOMINAL POWER(W):20W,Imax(cd)：730.1,Efficay:103.02 lm/W

Zonal Flux Diagram

| γ | C0 | C45 | C90 | C135 | C180 |
|---|---|---|---|---|---|
| 10 | 724.0 | 720. | 712. | 709.4 | 705.2 |
| 20 | 0693.0 | 3685. | 5671. | 665.1 | 655.8 |
| 30 | 0637.2 | 5627. | 7608. | 598.7 | 585.3 |
| 40 | 559.4 | 2547. | 0525. | 512.7 | 493.9 |
| 50 | 464.7 | 8451. | 1424. | 411.5 | 388.2 |
| 60 | 353.4 | 7340. | 6310. | 296.6 | 269.5 |
| 70 | 230.9 | 6218. | 3188. | 172.5 | 138.9 |
| 80 | 95.88 | 392. | 168. | 51.06 | 12.77 |
| 90 | 0.8126 | 0.7373 | 0.1574 | 0.1818 | 0.0509 |
| DEG | LUMINOUSINTENSITY:cd/klm | | | | |

Zonal Lumens

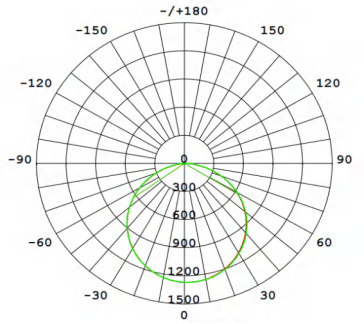
| γ | Φzone | Φtotal |
|---|---|---|
| 00-10 | 68.88 | 68.88 |
| 10-20 | 197.0 | 265.8 |
| 20-30 | 297.8 | 563.7 |
| 30-40 | 358.1 | 921.8 |
| 40-50 | 370.2 | 1292 |
| 50-60 | 332.1 | 1624 |
| 60-70 | 247.9 | 1872 |
| 70-80 | 130.1 | 2002 |
| 80-90 | 23.18 | 2025 |
| UNIT:lm/klm | | |

LUMINANCE cd/(m2)

| G(DEG) | C0/180 | C90/270 |
|---|---|---|
| 85 | 4662 | 3175 |
| 80 | 6586 | 4722 |
| 75 | 7615 | 5798 |
| 70 | 8054 | 6550 |
| 65 | 8282 | 7036 |
| 60 | 8431 | 7390 |
| 55 | 8555 | 7656 |
| 50 | 8623 | 7865 |
| 45 | 8676 | 8031 |

Dense-276

Dense-276/4FT/40W/RA80/3500K/White




AVERAGE BEAM ANGLE(50%):113.8 DEG

NOMINALFLUX(lm):3025.58 ,NOMINAL POWER(W):40W,Imax(cd)：1272,Efficay:110.53lm/W

Zonal Flux Diagram

| γ | C0 | C45 | C90 | C135 | C180 |
|---|---|---|---|---|---|
| 10 | 1255 | 1264 | 1258 | 1244 | 1236 |
| 20 | 1198 | 1214 | 1203 | 1177 | 1162 |
| 30 | 1100 | 1123 | 1108 | 1072 | 1048 |
| 40 | 966.6 | 994.8 | 976.8 | 932.3 | 902.3 |
| 50 | 803.1 | 834.2 | 812.5 | 763.6 | 727.4 |
| 60 | 612.3 | 645.6 | 618.7 | 567.6 | 526.7 |
| 70 | 396.1 | 433.3 | 401.0 | 350.6 | 303.2 |
| 80 | 170.8 | 205.7 | 175.4 | 125.6 | 81.17 |
| 90 | 1.447 | 14.26 | 9.811 | 0.8279 | 0.2636 |
| DEG | LUMINOUSINTENSITY:cd/klm | | | | |

Zonal Lumens

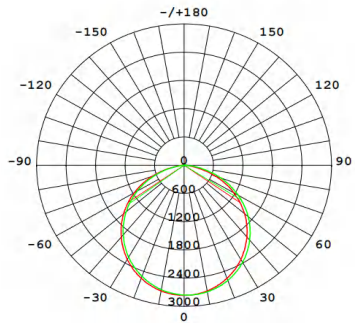
| γ | Φzone | Φtotal |
|---|---|---|
| 00-10 | 120.0 | 120.0 |
| 10-20 | 344.0 | 464.0 |
| 20-30 | 522.4 | 986.4 |
| 30-40 | 632.9 | 1619 |
| 40-50 | 660.8 | 2280 |
| 50-60 | 602.1 | 2882 |
| 60-70 | 461.2 | 3343 |
| 70-80 | 257.2 | 3601 |
| 80-90 | 58.43 | 3659 |
| UNIT:lm/klm | | |

LUMINANCE cd/(m2)

| G(DEG) | C0/180 | C90/270 |
|---|---|---|
| 85 | 78387 | 88494 |
| 80 | 99349 | 100357 |
| 75 | 110468 | 110418 |
| 70 | 117015 | 116493 |
| 65 | 121333 | 120453 |
| 60 | 123721 | 122945 |
| 55 | 125252 | 124553 |
| 50 | 126240 | 125585 |
| 45 | 126888 | 126303 |

Dense-276

Dense-276/4FT/70W/RA80/4000K/White




AVERAGE BEAM ANGLE(50%):110.9 DEG

NOMINALFLUX(lm):7635.96,NOMINAL POWER(W):75W,Imax(cd)：2765,Efficay:102.36lm/W

Zonal Flux Diagram

| γ | C0 | C45 | C90 | C135 | C180 |
|---|---|---|---|---|---|
| 10 | 2711 | 2727 | 2730 | 2728 | 2711 |
| 20 | 2557 | 2592 | 2603 | 2597 | 2556 |
| 30 | 2310 | 2364 | 2382 | 2375 | 2313 |
| 40 | 1987 | 2056 | 2077 | 2070 | 1991 |
| 50 | 1608 | 1681 | 1705 | 1700 | 1610 |
| 60 | 1165 | 1250 | 1267 | 1271 | 1174 |
| 70 | 675.5 | 774.9 | 793.3 | 798. | 691. |
| 80 | 176.2 | 285.2 | 308.0 | 5305.6 | 2187.4 |
| 90 | 0.6318 | 0.8398 | 3.834 | 0.9876 | 0.1842 |
| DEG | LUMINOUSINTENSITY:cd/klm | | | | |

Zonal Lumens

| γ | Φzone | Φtotal |
|---|---|---|
| 00-10 | 260.9 | 260.9 |
| 10-20 | 745.9 | 1007 |
| 20-30 | 1127 | 2134 |
| 30-40 | 1353 | 3487 |
| 40-50 | 1397 | 4884 |
| 50-60 | 1252 | 6136 |
| 60-70 | 932.7 | 7069 |
| 70-80 | 480.0 | 7549 |
| 80-90 | 71.36 | 7620 |
| UNIT:lm/klm | | |

LUMINANCE cd/(m2)

| G(DEG) | C0/180 | C90/270 |
|---|---|---|
| 85 | 956 | 14742 |
| 80 | 12078 | 21113 |
| 75 | 19497 | 24956 |
| 70 | 23513 | 27614 |
| 65 | 26218 | 29115 |
| 60 | 27740 | 30155 |
| 55 | 28845 | 30975 |
| 50 | 29780 | 31583 |
| 45 | 30380 | 31959 |




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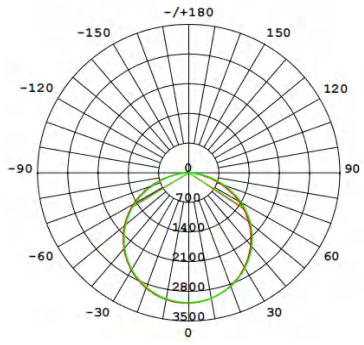
# IP66 Dense 276

IP66 GEN22 Linear Light

WISDOM LIGHT

Dense-276

Dense-276/8FT/80W/RA80/4000K/White




AVERAGE BEAM ANGLE(50%):115.0DEG

NOMINALFLUX(lm):8954.09,NOMINAL POWER(W):80W,Imax(cd)： 3077,Efficay:107.88lm/W

Zonal Flux Diagram

| γ | C0 | C45 | C90 | C135 | C180 |
|---|---|---|---|---|---|
| 10 | 3007 | 2997 | 3005 | 3022 | 3037 |
| 20 | 2837 | 2832 | 2848 | 2884 | 2895 |
| 30 | 2576 | 2577 | 2601 | 2654 | 2659 |
| 40 | 2233 | 2240 | 2272 | 2340 | 2338 |
| 50 | 1818 | 1833 | 1870 | 1952 | 1940 |
| 60 | 1337 | 1360 | 1402 | 1498 | 1475 |
| 70 | 797.1 | 837.4 | 883.4 | 989.4 | 946.6 |
| 80 | 259.2 | 306.2 | 359.7 | 445.8 | 376.5 |
| 90 | 0.7834 | 2.088 | 8.343 | 4.735 | 1.339 |
| DEG | LUMINOUSINTENSITY:cd/klm | | | | |

Zonal Lumens

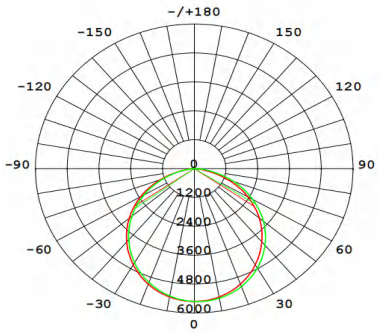
| γ | Φzone | Φtotal |
|---|---|---|
| 00-10 | 290.0 | 290.0 |
| 10-20 | 832.3 | 1122 |
| 20-30 | 1267 | 2389 |
| 30-40 | 1539 | 3928 |
| 40-50 | 1614 | 5541 |
| 50-60 | 1478 | 7019 |
| 60-70 | 1139 | 8158 |
| 70-80 | 642.3 | 8800 |
| 80-90 | 140.6 | 8941 |
| UNIT:lm/klm | | |

LUMINANCE cd/(m2)

| G(DEG) | C0/180 | C90/270 |
|---|---|---|
| 85 | 4606 | 16669 |
| 80 | 14929 | 20712 |
| 75 | 20252 | 23849 |
| 70 | 23306 | 25829 |
| 65 | 25410 | 27164 |
| 60 | 26735 | 28043 |
| 55 | 27619 | 28642 |
| 50 | 28286 | 29098 |
| 45 | 28765 | 29406 |

Dense-276

Dense-276/8FT/140W/RA80/4000K/White




AVERAGE BEAM ANGLE(50%):110.9 DEG

NOMINALFLUX(lm):15271,NOMINAL POWER(W):140W,Imax(cd)： 5526,Efficay:102.35lm/W

Zonal Flux Diagram

| γ | C0 | C45 | C90 | C135 | C180 |
|---|---|---|---|---|---|
| 10 | 5412 | 5451 | 5464 | 5463 | 5413 |
| 20 | 5104 | 5181 | 5211 | 5200 | 5103 |
| 30 | 4611 | 4725 | 4768 | 4756 | 4618 |
| 40 | 3966 | 4110 | 4156 | 4145 | 3975 |
| 50 | 3210 | 3360 | 3413 | 3404 | 3213 |
| 60 | 2326 | 2498 | 2535 | 2546 | 2345 |
| 70 | 1349 | 1549 | 1588 | 1599 | 1380 |
| 80 | 351.7 | 570.2 | 616.4 | 611.9 | 374.2 |
| 90 | 1.261 | 1.679 | 7.673 | 1.978 | 0.3676 |
| DEG | LUMINOUSINTENSITY:cd/klm | | | | |

Zonal Lumens

| γ | Φzone | Φtotal |
|---|---|---|
| 00-10 | 521.8 | 521.8 |
| 10-20 | 1492 | 2013 |
| 20-30 | 2253 | 4267 |
| 30-40 | 2705 | 6972 |
| 40-50 | 2794 | 9767 |
| 50-60 | 2505 | 12271 |
| 60-70 | 1865 | 14136 |
| 70-80 | 960.8 | 15097 |
| 80-90 | 143.0 | 15240 |
| UNIT:lm/klm | | |

LUMINANCE cd/(m2)

| G(DEG) | C0/180 | C90/270 |
|---|---|---|
| 85 | 1435 | 22112 |
| 80 | 18118 | 31670 |
| 75 | 29245 | 37434 |
| 70 | 35269 | 41421 |
| 65 | 39327 | 43672 |
| 60 | 41609 | 45232 |
| 55 | 43267 | 46463 |
| 50 | 44670 | 47375 |
| 45 | 45571 | 47939 |




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# NOTES