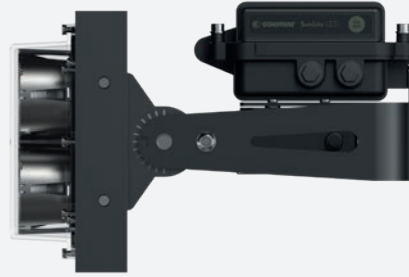




# SunLite LED VariWhite

Last update:  
09/08/2023



SunLite LED VariWhite

#### Introducing

● **SunLite LED** is the Coemar family of products specifically developed and designed around the specifications of Miral & SeaWorld for the, world first entirely indoor, SeaWorld Abu Dhabi and recognises the stringent requirements dictated for ensuring animal welfare. This product is suitable for use as worklight in **theaters**, as **industrial lighting** as well as small/ medium **sports fields**.

SunLite LED is a very bright, tunable fixture thanks to its truly high quality LED source, developed to specifically deliver a genuine and realistic sunlike spectrum with extremely high color rendition across the entire CCT range.

Its air convection cooled design allows a **superior cooling** to reduce and dissipate the heat rapidly.

This ensures an excellent performance without prejudice for the lifespan of the LED source. The finishing of the housing is ideal for harsh climate conditions and highly **corrosive ambient** with a high **IP65** as well as an up to **IK10** rating. The SunLite LED may be hung to project downwards or sideways.

#### Key Features



● VariWhite LEDs - 8 Bridgelux COB Thrive Series



● CRI > 96.8, TLCI 100



● CCT 2.700 K - 6.500 K



● IP65 - IK10



● Interchangeable lenses: Ultra Narrow 12°, Narrow 21°, Medium 25°, Wide 34°, Ultra Wide 54°



● Passive cooling and fan-free

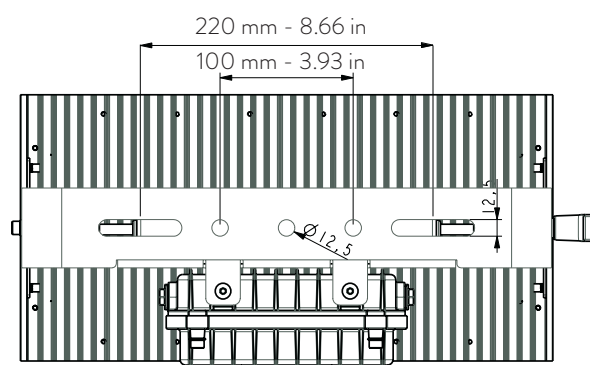
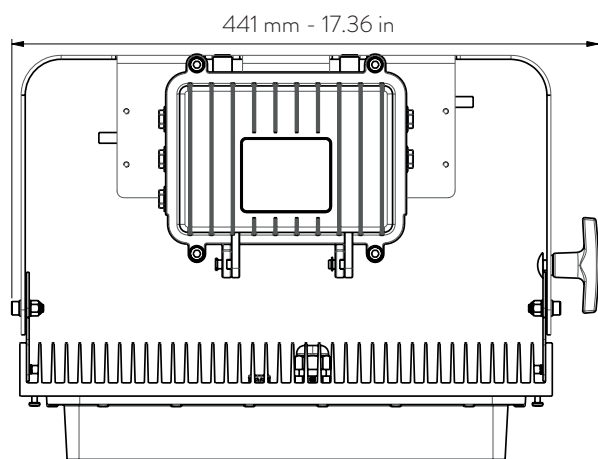
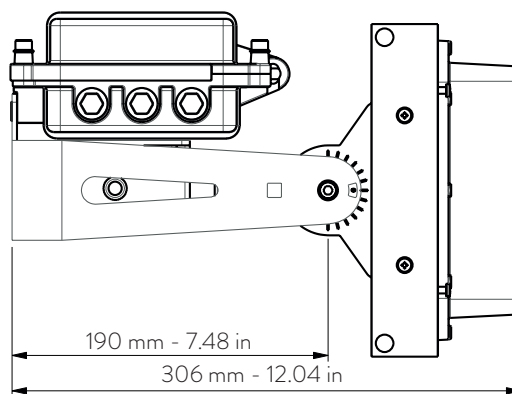
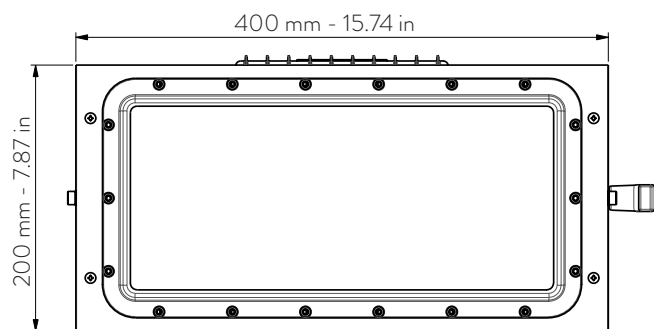


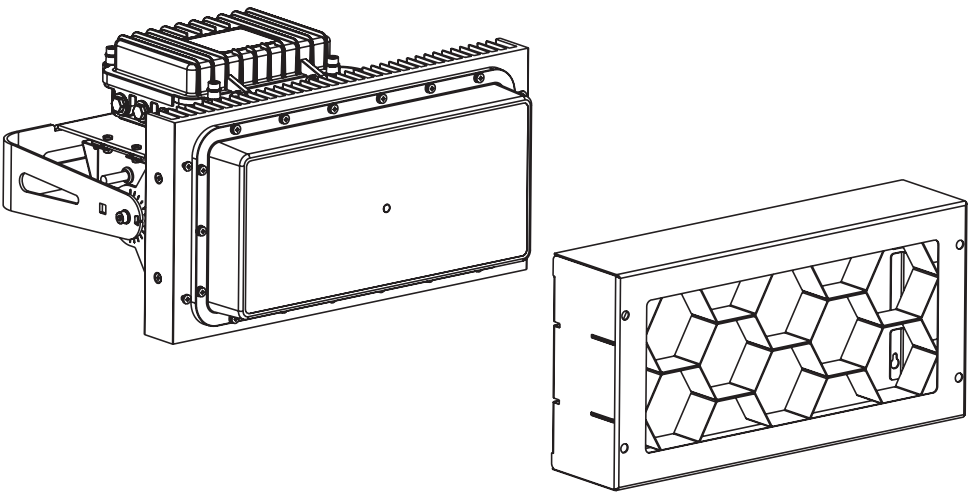
● Custom color on request (optional)



● CE Compliant  
● RoHS Directive  
● IK10 rating  
● Conforms to EN 62722-2-1 (Particular requirements for LED luminaires performance)

| General                               |                                                                                                                                                                                                     |
|---------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ● LED Source                          | VariWhite LEDs - 8 Bridgelux COB Thrive Series                                                                                                                                                      |
| ● CCT Range                           | ● ● ● ● 2.700 K → 6.500 K                                                                                                                                                                           |
| ● Color Rendition Average             | CRI> 96.8, TLCI 100                                                                                                                                                                                 |
| ● Light efficiency                    | Narrow: 20.212 lm, 89 lm/W<br>Medium: 18.798 lm, 83 lm/W<br>Wide: 19. 036 lm, 85 lm/W<br>Extra Wide: 17.696 lm, 79 lm/W                                                                             |
| ● Dimming                             | 8 or 16 bit, 5 selectable curves: Exponential, Logarithmic, Linear, Halo and Standard                                                                                                               |
| ● Dimming Smooth Selection            | Fast, Slow and Very Slow                                                                                                                                                                            |
| ● Strobe                              | Synchronized, random or pulse electronic strobe                                                                                                                                                     |
| ● Lens                                | Ultra Narrow 12°, Narrow 21°, Medium 25°, Wide 34°, Ultra Wide 54°                                                                                                                                  |
| ● L80 Rating<br>(hours to 80% output) | 50.000 Hours                                                                                                                                                                                        |
| Electrical                            |                                                                                                                                                                                                     |
| ● Voltage Input                       | 100-277 V, 50-60 Hz, auto-sensing - 1.0 A at 230 V, 2.0 A at 115 V                                                                                                                                  |
| ● Power Consumption                   | 225 W @ Full                                                                                                                                                                                        |
| ● Power Connection                    | 0.3 m (1,18 in) integral power supply cable with bare ends                                                                                                                                          |
| ● Data Connection                     | In and Out DMX 5 pin locking XLR connectors                                                                                                                                                         |
| Thermal                               |                                                                                                                                                                                                     |
| ● Ambient Operating Temperature       | -40°C - +40°C (-40°F - 104°F)                                                                                                                                                                       |
| ● Cooling                             | Passive cooling and fan-free                                                                                                                                                                        |
| Control                               |                                                                                                                                                                                                     |
| ● Protocols                           | DMX-512, RDM (Remote Device Management), Wireless (optional by LumenRadio)                                                                                                                          |
| ● RDM configuratons                   | Yes                                                                                                                                                                                                 |
| ● DMX Channels                        | 5 / 2 / 1 / Sunrise mode / Raw mode                                                                                                                                                                 |
| ● Firmware upgrade                    | Through DMX with RDM Upgrade USB interface (code AC10011A001)                                                                                                                                       |
| Physical                              |                                                                                                                                                                                                     |
| ● Yoke                                | Single yoke suitable for safe hanging                                                                                                                                                               |
| ● Materials                           | Heatsink: Extruded hard anodized aluminum, Electronic box: Die-Casting aluminun with Anti-Corrosion treatment for marine ambient and electrostatic powder-coated, Frontal Cover: PC (Polycarbonate) |
| ● Gasket Material                     | Polyurethane foam                                                                                                                                                                                   |
| ● Hardware Material                   | Stainless steel AISI304                                                                                                                                                                             |
| ● Lens Material                       | PMMA Polymethyl methacrylate                                                                                                                                                                        |
| ● Weight                              | 10.5 Kg / 23.14 lbs                                                                                                                                                                                 |
| ● Height                              | 116 mm /4.56 in - With brackets: 306 mm / 12.04 in                                                                                                                                                  |
| ● Width                               | 441 mm / 17.36 in                                                                                                                                                                                   |
| ● IP/IK Rating                        | IP65 - IK10                                                                                                                                                                                         |
| ● Color options                       | Silver or Black (standard), custom color on request (optional)                                                                                                                                      |
| General accessories                   |                                                                                                                                                                                                     |
| RCN72                                 | Power Junction Connector for AC                                                                                                                                                                     |
| RCN 73                                | DMX Signal Junction Connector                                                                                                                                                                       |
| RME 34/2                              | DMX Signal Connector XLR5 Female (OUT)                                                                                                                                                              |
| RME 35/2                              | DMX Signal Connector XLR5 Male (IN)                                                                                                                                                                 |
| RME 641/1                             | CEE 16A Power AC Plug                                                                                                                                                                               |
| O336.045                              | Louver                                                                                                                                                                                              |
| SunLite LED VariWhite Version         |                                                                                                                                                                                                     |
| F073G001H                             | Narrow Lenses, Black                                                                                                                                                                                |
| F073G001I                             | Medium Lenses, Black                                                                                                                                                                                |
| F073G001L                             | Wide Lenses, Black                                                                                                                                                                                  |
| F073G001O                             | Ultrawide Lenses, Black                                                                                                                                                                             |
| F073G101H                             | Narrow Lenses, Silver                                                                                                                                                                               |
| F073G101I                             | Medium Lenses, Silver                                                                                                                                                                               |
| F073G101L                             | Wide Lenses, Silver                                                                                                                                                                                 |
| F073G101O                             | Ultrawide Lenses, Silver                                                                                                                                                                            |

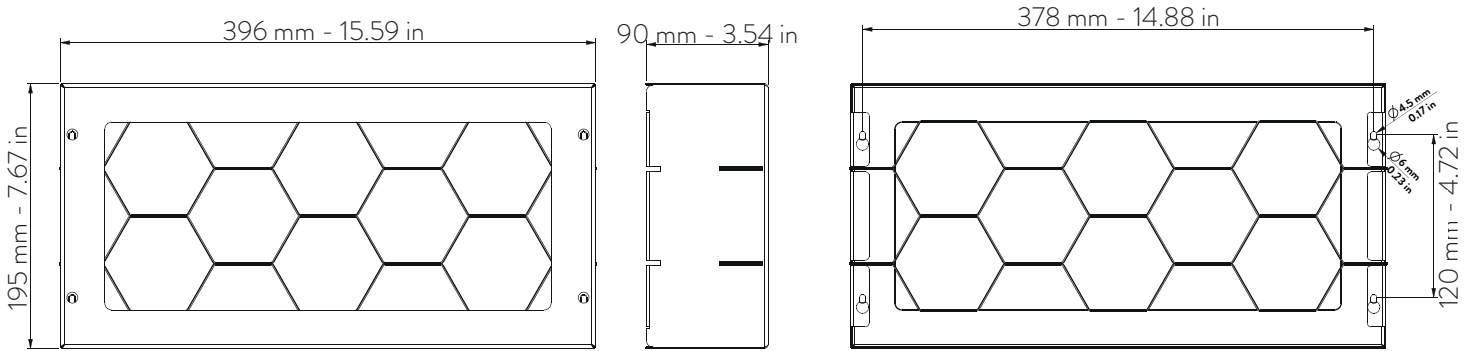




Physical

|                      |                                      |
|----------------------|--------------------------------------|
| ● Materials          | Stainless steel AISI304 Body         |
| ● Length             | 396 mm / 15.59 in                    |
| ● Weight             | 1.6 kg / 3.53 lbs                    |
| ● Height             | 195 mm / 7.67 in                     |
| ● Width              | 90 mm / 3.54 in                      |
| ● Color options      | Matt Black                           |
| ● Safety Accessories | Stainless steel AISI304 Safety chain |

Drawing Size



|                        |                    |                        |                          |
|------------------------|--------------------|------------------------|--------------------------|
| <b>5 Channels</b>      | <b>2 Channels</b>  | <b>Sunrise mode</b>    | <b>Raw mode</b>          |
| 01 → Master Dimmer     | 01 → Master Dimmer | 01 → Master Dimmer     | 01 → Warm White LED      |
| 02 → Dimmer Fine       | 02 → White Tone    | 02 → Dimmer Fine       | 02 → Warm White LED Fine |
| 03 → White Tone        |                    | 03 → Proportional cct  | 03 → Cold White LED      |
| 04 → Strobe Effect     | <b>1 Channel</b>   | 04 → Step cct          | 04 → Cold White LED Fine |
| 05 → Special Functions | 01 → Master Dimer  | 05 → Special Functions |                          |



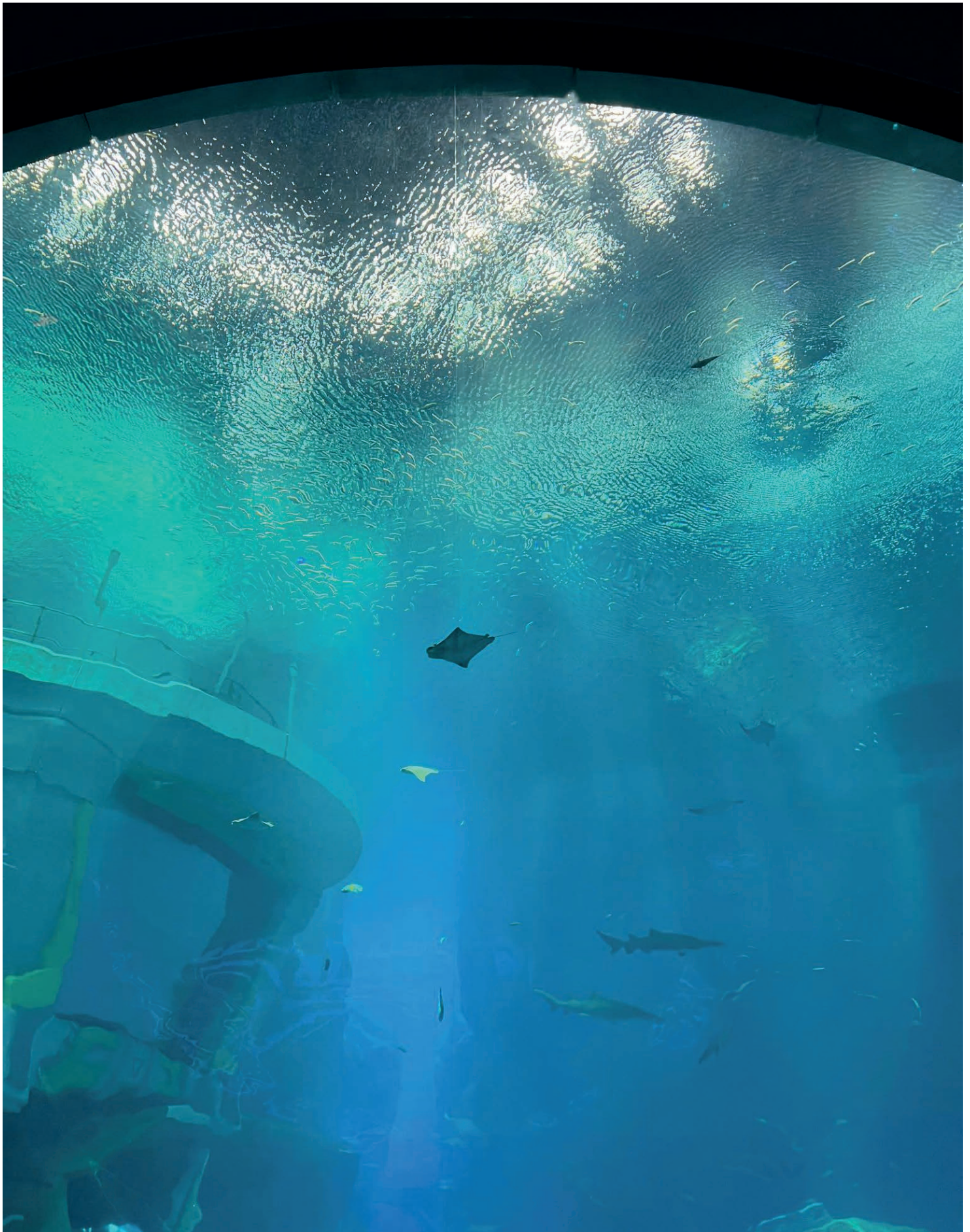
Theme Park - Sea World, Abu Dhabi, UAE

|              |                   |
|--------------|-------------------|
| Product      | SunLite LED VW    |
| CCT          | 2.700 K → 6.500 K |
| CRI          | >96               |
| Installation | ASU/Khabari       |



Theme Park - Sea World, Abu Dhabi, UAE

|              |                   |
|--------------|-------------------|
| Product      | SunLite LED VW    |
| CCT          | 2.700 K → 6.500 K |
| CRI          | >96               |
| Installation | ASU/Khabari       |



Theme Park - Sea World, Abu Dhabi, UAE

|              |                   |
|--------------|-------------------|
| Product      | SunLite LED VW    |
| CCT          | 2.700 K → 6.500 K |
| CRI          | >96               |
| Installation | ASU/Khabari       |



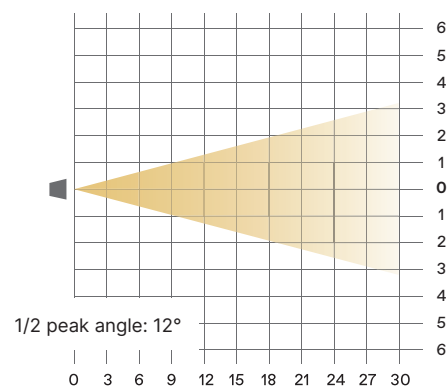
Event - CO27, Sharm el-Sheikh

|         |                   |
|---------|-------------------|
| Product | SunLite LED VW    |
| CCT     | 2.700 K → 6.500 K |
| CRI     | >96               |

## SunLite LED VariWhite

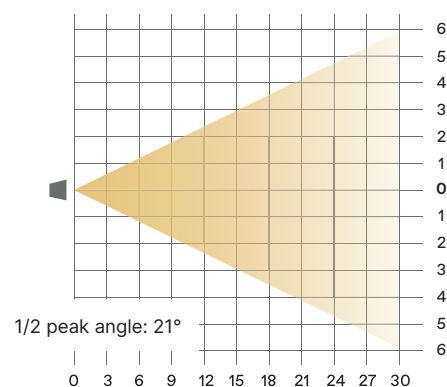
## Optic: Ultra Narrow Beam - 1/2 Peak Angle 12°

| Distance(m)        |      | 3      | 6     | 9     | 12    | 15   | 18   | 21   | 24   | 27   | 30   |
|--------------------|------|--------|-------|-------|-------|------|------|------|------|------|------|
| lux                | FULL | 24.182 | 6.046 | 2.687 | 1.511 | 967  | 672  | 494  | 678  | 299  | 242  |
| 1/2 P.A. 12° Ø (m) |      | 0,63   | 1,26  | 1,89  | 2,52  | 3,15 | 3,78 | 4,41 | 5,05 | 5,68 | 6,31 |



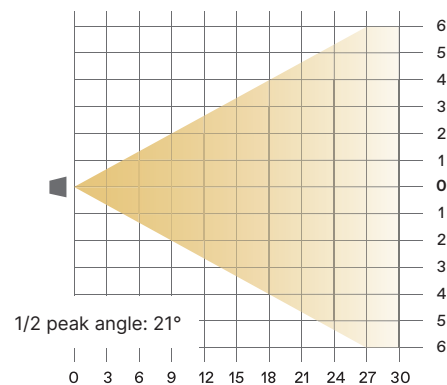
## Optic: Narrow Beam - 1/2 Peak Angle 21°

| Distance(m)        |        | 3      | 6     | 9     | 12   | 15   | 18   | 21   | 24   | 27    | 30    |
|--------------------|--------|--------|-------|-------|------|------|------|------|------|-------|-------|
| lux                | 2.700K | 3.198  | 800   | 355   | 200  | 128  | 89   | 65   | 50   | 39    | 32    |
|                    | 6.500K | 11.440 | 2.860 | 1.271 | 715  | 458  | 318  | 233  | 233  | 141   | 114   |
|                    | FULL   | 14.355 | 3.589 | 1.595 | 897  | 574  | 399  | 293  | 293  | 177   | 144   |
| 1/2 P.A. 21° Ø (m) |        | 1,11   | 2,22  | 3,34  | 3,45 | 5,56 | 6,67 | 7,78 | 8,90 | 10,01 | 11,12 |



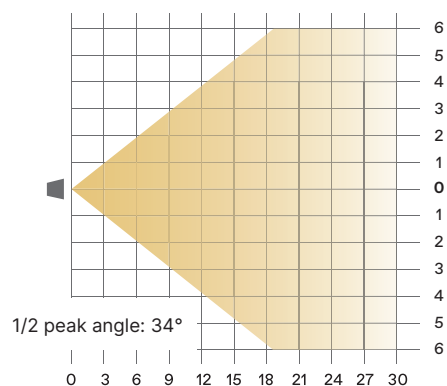
## Optic: Medium Beam - 1/2 Peak Angle 25°

| Distance(m)        |        | 3     | 6     | 9     | 12   | 15   | 18   | 21   | 24    | 27    | 30    |
|--------------------|--------|-------|-------|-------|------|------|------|------|-------|-------|-------|
| lux                | 2.700K | 2.035 | 509   | 226   | 127  | 81   | 57   | 42   | 32    | 25    | 20    |
|                    | 6.500K | 7.364 | 1.841 | 818   | 460  | 295  | 205  | 150  | 115   | 91    | 74    |
|                    | FULL   | 9.283 | 2.321 | 1.031 | 580  | 371  | 258  | 189  | 145   | 115   | 93    |
| 1/2 P.A. 25° Ø (m) |        | 1,33  | 2,66  | 3,99  | 5,32 | 6,65 | 7,98 | 9,31 | 10,64 | 11,97 | 13,30 |



## Optic: Wide Beam - 1/2 Peak Angle 34°

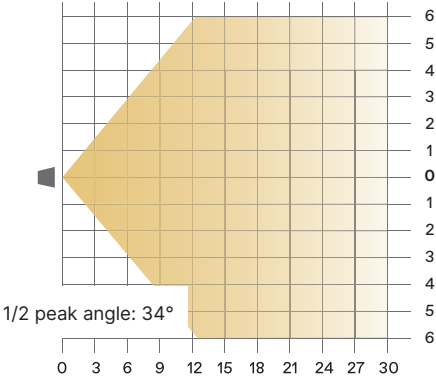
| Distance(m)        |        | 3     | 6     | 9    | 12   | 15   | 18    | 21    | 24    | 27    | 30    |
|--------------------|--------|-------|-------|------|------|------|-------|-------|-------|-------|-------|
| lux                | 2.700K | 1.258 | 315   | 140  | 79   | 50   | 35    | 26    | 20    | 16    | 13    |
|                    | 6.500K | 4.692 | 1.173 | 521  | 293  | 188  | 150   | 96    | 73    | 58    | 47    |
|                    | FULL   | 5.858 | 1.465 | 651  | 366  | 234  | 163   | 120   | 92    | 72    | 59    |
| 1/2 P.A. 34° Ø (m) |        | 1,83  | 3,67  | 5,50 | 7,34 | 9,17 | 11,01 | 12,84 | 14,68 | 16,51 | 18,34 |



SunLite LED VariWhite

Optic: Ultra Wide Beam - 1/2 Peak Angle 54°

| Distance(m)        |        | 3     | 6    | 9    | 12    | 15    | 18    | 21    | 24    | 27    | 30    |
|--------------------|--------|-------|------|------|-------|-------|-------|-------|-------|-------|-------|
| lux                | 2.700K | 512   | 128  | 57   | 32    | 20    | 14    | 10    | 8     | 6     | 5     |
|                    | 6.500K | 1.887 | 472  | 210  | 118   | 75    | 52    | 39    | 29    | 23    | 19    |
|                    | FULL   | 2.393 | 598  | 266  | 150   | 96    | 66    | 49    | 37    | 30    | 24    |
| 1/2 P.A. 54° Ø (m) |        | 3,06  | 6,11 | 9,17 | 12,23 | 15,29 | 18,34 | 21,40 | 24,46 | 27,51 | 30,57 |



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