

*ProLight*

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No.89, Xiyuan Rd., Zhongli Dist., Taoyuan City 32057, Taiwan  
TEL: +886-3-4618618  
FAX: +886-3-4618677  
E-mail: sales@prolightopto.com

[www.prolightopto.com](http://www.prolightopto.com)



ver.2019



**PROLIGHT**

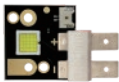
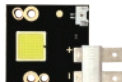
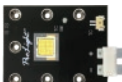
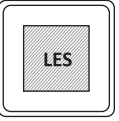
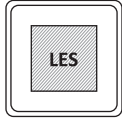
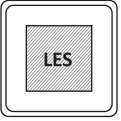
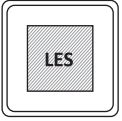
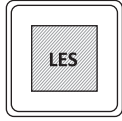
LED Solution Provider

— TAIWAN —

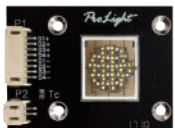
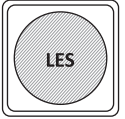
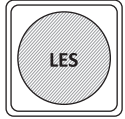
**CUSTOMIZATION**  
SPECIALTY  
DIFFERENTIATION



## Spot Light Moving Head Light

|               | PU55-60FWL-N00N                                                                                  | PBMM-100FWL-N01AG                                                                                | PBMM-160FWL-N01CC                                                                                | PBMM-230FWL-N01AH                                                                                 | PBMM-300FWL-N01AJ                                                                                    |
|---------------|--------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------|
|               |               |               |               |               |                 |
| LES           | <br>6.5x6.5mm | <br>8.4x8.4mm | <br>5.6x5.2mm | <br>9.9x9.9mm | <br>12.6x12.6mm |
| Watt          | 60W                                                                                              | 100W                                                                                             | 160W                                                                                             | 230W                                                                                              | 300W                                                                                                 |
| Max Current   | 3500mA                                                                                           | 4500mA                                                                                           | 5000mA                                                                                           | 5000mA                                                                                            | 7800mA                                                                                               |
| Color         | White                                                                                            | White                                                                                            | White                                                                                            | White                                                                                             | White                                                                                                |
| CRI [min.]    | 70                                                                                               | 70                                                                                               | 70                                                                                               | 70                                                                                                | 70                                                                                                   |
| Vf [typ.]     | 17.5                                                                                             | 23                                                                                               | 30.5                                                                                             | 44                                                                                                | 38                                                                                                   |
| Lumens        | [min.] 3350                                                                                      | [min.] 7200                                                                                      | [min.] 8200                                                                                      | [min.] 16400                                                                                      | [min.] 20000                                                                                         |
|               | [typ.] 3700                                                                                      | [typ.] 8100                                                                                      | [typ.] 9400                                                                                      | [typ.] 18500                                                                                      | [typ.] 23000                                                                                         |
| CCT           | 6300-8550K                                                                                       | 6800-8100K                                                                                       | 7100-7700K                                                                                       | 6800-8100K                                                                                        | 6800-7100K                                                                                           |
| Viewing Angle | 120°                                                                                             | 120°                                                                                             | 120°                                                                                             | 120°                                                                                              | 120°                                                                                                 |

## Effect Light

|                  | PUMH-60FTL-N74N                                                                                  | PUMG-120FTL-ND4N                                                                               | PUMG-120FTL-ND4P                                                                               | PBMM-180FTL-N01CA                                                                               | PBMM-350FTL-N01AA                                                                               |
|------------------|--------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|
|                  |               |             |             |              |              |
| LES              | <br>7.2x6.5mm | <br>10x10mm | <br>10x10mm | <br>Ø 16.1mm | <br>Ø 16.1mm |
| Watt             | 60W                                                                                              | 120W                                                                                           | 120W                                                                                           | 180W                                                                                            | 350W                                                                                            |
| Test Current     | 700mA                                                                                            | 700mA                                                                                          | 700mA                                                                                          | 1600mA                                                                                          | 3000mA                                                                                          |
| Lumens<br>[typ.] | Color R/G/B/W                                                                                    | Color R/G/B/W                                                                                  | Color R/G/B/A                                                                                  | Color R/G/B/W                                                                                   | Color R/G/B/W                                                                                   |
|                  | Red 460                                                                                          | Red 890                                                                                        | Red 890                                                                                        | Red 1500                                                                                        | Red 2150                                                                                        |
|                  | Green 815                                                                                        | Green 1700                                                                                     | Green 1700                                                                                     | Green 3300                                                                                      | Green 4100                                                                                      |
|                  | Blue 165                                                                                         | Blue 330                                                                                       | Blue 330                                                                                       | Blue 550                                                                                        | Blue 900                                                                                        |
|                  | White 1160                                                                                       | White 2400                                                                                     | White 1500 [Amber]                                                                             | White 4000                                                                                      | White 6200                                                                                      |
| Viewing Angle    | 120°                                                                                             | 120°                                                                                           | 120°                                                                                           | 120°                                                                                            | 120°                                                                                            |



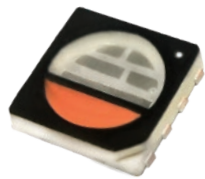
# ABOUT US

ProLight Opto Technology was established in 2004, dedicated to the LED research, development and manufacturing for lighting applications.

ProLight has its own TMHAL tech and exclusive phosphor coating technology, which can provide appropriate reliability, life time and optics solution.

ProLight Entertainment LED series with high wattage, high flux and excellent color-mixing mode are perfect for entertainment lighting.

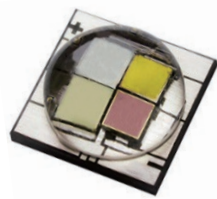
We understand the unique light source is important for stage lamp design. We also provide custom design to contribute the best value to you.



Watt 0.5 W  
Viewing Angle 120°  
Size 5.0 x 5.0 mm



Watt 3 W  
Viewing Angle 155°  
Size 3.0 x 3.0 mm



Watt 10 W  
Max Current 700 mA  
Viewing Angle 155°  
Size 5.0 x 5.0 mm

## 4-in-1 Series

|               | PE8A-FFTE-B |          |         |         | PE8A-FFTE-BRGBN |          |         |               | PE8A-FFTE-BRGBV |          |         |            |        |
|---------------|-------------|----------|---------|---------|-----------------|----------|---------|---------------|-----------------|----------|---------|------------|--------|
| Test Current  | 20mA        | 20mA     | 20mA    | 20mA    | 20mA            | 20mA     | 20mA    | 60mA          | 20mA            | 20mA     | 20mA    | 60mA       |        |
| Color         | Red         | Green    | Blue    | White   | Red             | Green    | Blue    | Neutral White | Red             | Green    | Blue    | Warm White |        |
| CRI [min.]    | -           | -        | -       | 70      | -               | -        | -       | 80            | -               | -        | -       | 80         |        |
| Lumens [typ.] | 625 mcd     | 1800 mcd | 360 mcd | 22.5 lm | 625 mcd         | 1800 mcd | 360 mcd | 19.5 lm       | 625 mcd         | 1800 mcd | 360 mcd | 18.5 lm    |        |
| CCT/AP        | [min.]      | 620 nm   | 519 nm  | 465 nm  | 5640 K          | 620 nm   | 519 nm  | 465 nm        | 3700 K          | 620 nm   | 519 nm  | 465 nm     | 2850 K |
|               | [max.]      | 626 nm   | 524 nm  | 470 nm  | 6970 K          | 626 nm   | 524 nm  | 470 nm        | 4250 K          | 626 nm   | 524 nm  | 470 nm     | 3250 K |

|               | PBLB-3LTE |        |        |        | PBLB-3LTE-RGBN |        |        |               | PBLB-3LTE-RGBV |        |        |            |        |
|---------------|-----------|--------|--------|--------|----------------|--------|--------|---------------|----------------|--------|--------|------------|--------|
| Test Current  | 250mA     |        |        |        | 250mA          |        |        |               | 250mA          |        |        |            |        |
| Color         | Red       | Green  | Blue   | White  | Red            | Green  | Blue   | Neutral White | Red            | Green  | Blue   | Warm White |        |
| Lumens [typ.] | 36 lm     | 52 lm  | 11 lm  | 56 lm  | 36 lm          | 52 lm  | 11 lm  | 49 lm         | 36 lm          | 52 lm  | 11 lm  | 46 lm      |        |
| CCT/AP        | [min.]    | 620 nm | 518 nm | 453 nm | 5700 K         | 620 nm | 518 nm | 453 nm        | 3700 K         | 620 nm | 518 nm | 453 nm     | 2870 K |
|               | [max.]    | 630 nm | 528 nm | 460 nm | 7000 K         | 630 nm | 528 nm | 460 nm        | 4250 K         | 630 nm | 528 nm | 460 nm     | 3220 K |

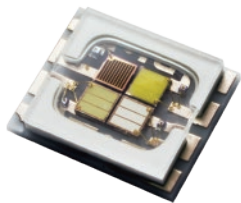
## 400W 6-in-1 COB



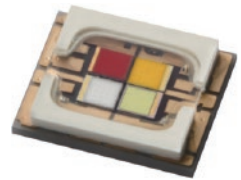
Watt 400W  
Viewing Angle 120°  
LES Ø16.4 mm

|               | PBMM-400F6L-N01AE |          |         |         |         |         |        |
|---------------|-------------------|----------|---------|---------|---------|---------|--------|
| Color         | PC Amber          | PC Green | Red     | Green   | Cyan    | Blue    |        |
| Test Current  | 3000 mA           | 3000 mA  | 1500 mA | 1500 mA | 1500 mA | 1500 mA |        |
| Lumens [typ.] | 5100 lm           | 8100 lm  | 1600 lm | 3000 lm | 1600 lm | 700 lm  |        |
| CCT/AP        | [min.]            | 588 nm   | 566 nm  | 620 nm  | 522 nm  | 486 nm  | 451 nm |
|               | [max.]            | 592 nm   | 570 nm  | 630 nm  | 529 nm  | 492 nm  | 456 nm |

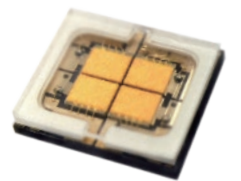
|               | PBLA-10LTE-S |        |        |        | PBLA-10LTE-SRGBN |        |        |               | PBLA-10LTE-SRGBV |        |        |            |        |
|---------------|--------------|--------|--------|--------|------------------|--------|--------|---------------|------------------|--------|--------|------------|--------|
| Test Current  | 350mA        |        |        |        | 350mA            |        |        |               | 350mA            |        |        |            |        |
| Color         | Red          | Green  | Blue   | White  | Red              | Green  | Blue   | Neutral White | Red              | Green  | Blue   | Warm White |        |
| CRI [min.]    | -            | -      | -      | -      | -                | -      | -      | 80            | -                | -      | -      | 80         |        |
| Lumens [typ.] | 56 lm        | 120 lm | 22 lm  | 130 lm | 56 lm            | 120 lm | 22 lm  | 112 lm        | 56 lm            | 120 lm | 22 lm  | 105 lm     |        |
| [min.]        | 622 nm       | 522 nm | 455 nm | 5700 K | 622 nm           | 522 nm | 455 nm | 3810 K        | 622 nm           | 522 nm | 455 nm | 2930K      |        |
| CCT/AP        | [max.]       | 632 nm | 530 nm | 460 nm | 8230 K           | 632 nm | 530 nm | 460 nm        | 4120 K           | 632 nm | 530 nm | 460 nm     | 3140 K |



Max Current 1000 mA  
Viewing Angle 120°  
Size 5.75 x 4.68 mm



Watt 40 W  
Max Current 2500 mA  
Viewing Angle 120°  
Size 5.75 x 4.68 mm



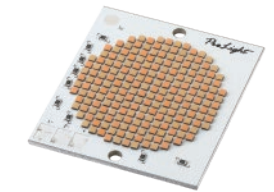
Watt 65 W  
Max Current 4500 mA  
Viewing Angle 120°  
Size 5.75 x 4.68 mm

|                     | PBED-15FTE-S |        |        |        | PBED-15F3E-VWVA01 |        |            |        | PBED-15F4E-A |        |        |        | PBED-15F4E-D |        |        |        | PBED-20FTE-S |        |         |        |
|---------------------|--------------|--------|--------|--------|-------------------|--------|------------|--------|--------------|--------|--------|--------|--------------|--------|--------|--------|--------------|--------|---------|--------|
| Watt / Test Current | 15W / 700mA  |        |        |        | 15W / 700mA       |        |            |        | 15W / 700mA  |        |        |        | 15W / 700mA  |        |        |        | 20W / 1000mA |        |         |        |
| Color               | Red          | Green  | Blue   | White  | Warm White        | White  | Warm White | Amber  | Red          | Green  | Blue   | Amber  | Red          | Green  | Blue   | Amber  | Red          | Green  | Blue    | White  |
| CRI [min.]          | -            | -      | -      | -      | 90                | 90     | 90         | -      | -            | -      | -      | -      | -            | -      | -      | -      | -            | -      | -       | -      |
| Lumens [typ.]       | 70 lm        | 160 lm | 870 mW | 225 lm | 115 lm            | 145 lm | 115 lm     | 70 lm  | 70 lm        | 170 lm | 860 mW | 70 lm  | 70 lm        | 170 lm | 860 mW | 70 lm  | 120 lm       | 245 lm | 1200 mW | 315 lm |
| [min.]              | 623 nm       | 521 nm | 453 nm | 5760 K | 2620 K            | 5210 K | 2620 K     | 589 nm | 620 nm       | 525 nm | 453 nm | 589 nm | 620 nm       | 520 nm | 453 nm | 589 nm | 620 nm       | 519 nm | 452 nm  | 5760 K |
| [max.]              | 633 nm       | 533 nm | 458 nm | 7250 K | 2820 K            | 6000 K | 2820 K     | 596 nm | 630 nm       | 533 nm | 457 nm | 596 nm | 630 nm       | 528 nm | 457 nm | 596 nm | 630 nm       | 531 nm | 457 nm  | 7250 K |

|                  | PBEE-40FTE |         |        |        | PBEE-40F4E |         |        |          | PBEE-40FQE-VWVW |        |        |        | PBEE-40FWE |        |        |        | PBEE-40FVE-R9 |        |        |        |
|------------------|------------|---------|--------|--------|------------|---------|--------|----------|-----------------|--------|--------|--------|------------|--------|--------|--------|---------------|--------|--------|--------|
| Test Current     | 1000mA     |         |        |        | 1000mA     |         |        |          | 1000mA          |        |        |        | 1000mA     |        |        |        | 1000mA        |        |        |        |
| Color            | Red        | Green   | Blue   | White  | Red        | Green   | Blue   | Amber    | 3000 K          | 6500 K | 3000 K | 6500 K | 6500 K     | 6500 K | 6500 K | 6500 K | 3000 K        | 3000 K | 3000 K | 3000 K |
| CRI [min.]       | -          | -       | -      | -      | -          | -       | -      | -        | 90              | 67     | 90     | 67     | 67         | 67     | 67     | 67     | 90            | 90     | 90     | 90     |
| Lumens [typ.]    | 105 lm     | 1300 mW | 225 lm | 270 lm | 105 lm     | 1300 mW | 225 lm | 153 lm   | 160 lm          | 270 lm | 160 lm | 270 lm | 270 lm     | 270 lm | 270 lm | 270 lm | 160 lm        | 160 lm | 160 lm | 160 lm |
| [min.]           | 620 nm     | 450 nm  | 519 nm | 5760 K | 620 nm     | 450 nm  | 519 nm | 588.5 nm | 2930 K          | 5760 K | 2930 K | 5760 K | 5760 K     | 5760 K | 5760 K | 5760 K | 2930 K        | 2930 K | 2930 K | 2930 K |
| CCT/AP<br>[max.] | 630 nm     | 455 nm  | 531 nm | 7250 K | 630 nm     | 455 nm  | 531 nm | 591.5 nm | 3140 K          | 7250 K | 3140 K | 7250 K | 7250 K     | 7250 K | 7250 K | 7250 K | 3140 K        | 3140 K | 3140 K | 3140 K |

|               | PBEB-65FWE |        |        |        | PBEB-65FVE-R9 |        |        |        | PBEB-65FQE-VWVW |        |        |        |
|---------------|------------|--------|--------|--------|---------------|--------|--------|--------|-----------------|--------|--------|--------|
| Test Current  | 1400mA     |        |        |        | 1400mA        |        |        |        | 1400mA          |        |        |        |
| Color         | 6300 K     | 6300 K | 6300 K | 6300 K | 3000 K        | 3000 K | 3000 K | 3000 K | 3000 K          | 6300 K | 3000 K | 6300 K |
| CRI [min.]    | 67         | 67     | 67     | 67     | 90            | 90     | 90     | 90     | 90              | 67     | 90     | 67     |
| Lumens [typ.] | 400 lm     | 400 lm | 400 lm | 400 lm | 240 lm        | 240 lm | 240 lm | 240 lm | 240 lm          | 400 lm | 240 lm | 400 lm |
| CCT/AP        | [min.]     | 5660 K | 5660 K | 5660 K | 2930 K        | 2930 K | 2930 K | 2930 K | 2930 K          | 5660 K | 2930 K | 5660 K |
|               | [max.]     | 7180 K | 7180 K | 7180 K | 3140 K        | 3140 K | 3140 K | 3140 K | 3140 K          | 7180 K | 3140 K | 7180 K |

Tunable White Module



Watt 500W  
Dual white color mixing array  
Viewing Angle 130°  
Size 47 x 42 mm

| PQ2M-3FQL-EL8AA2765 |       |       |
|---------------------|-------|-------|
| Color               | 6500K | 2700K |
| CRI [min.]          | 95    | 95    |
| Current [typ.]      | 5.6A  | 5.6A  |
| Vf [typ.]           | 42V   | 42V   |
| Lumens [typ.]       | 15300 | 13600 |