

Description

IP66, Class I. IK07. Marine-grade, die-cast aluminium alloy. 5CE superior corrosion protection including PCS hardware. Safety glass lens. Silicone CCG® Controlled Compression Gasket.

Integral EC electronic converter in thermally-separated compartment. Advanced thermal management protects LEDs while optimising lumens output. CAD-optimised optics for superior illumination and glare control. OLC® One LED Concept. Optional 2200 K version available. To be specified at time of ordering.

Projectors

Specifications

Material description

| | |
|----------------------|--|
| Body | Marine-grade, die-cast aluminium alloy |
| Lens | Safety glass lens |
| Colours |  RAL9004 Signal black  RAL9007 Grey aluminium  RAL7016 Anthracite grey  RAL9016 Traffic white |
| Gasket | Silicone CCG® Controlled Compression Gasket |
| Fasteners | PCS hardware |
| Ingress protection | IP66 |
| Impact resistance | IK07 |
| Corrosion resistance | 5CE |
| Windage | 0.057 m ² |

Electrical description

| | |
|------------------|---|
| Power supply | 220-240V / 50-60 Hz |
| Driver / Ballast | Integral EC electronic converter in thermally-separated compartment |

Additional information

| | |
|----------|------------------------|
| Lifetime | Ta=25° L90B10 > 90000h |
|----------|------------------------|

Projectors

Options

Light distribution



symmetric, medium beam [M]



symmetric, very narrow beam, sharp cut-off [EES]



symmetric, wide beam [B]



symmetric, very narrow beam [EE]



linear spread, very narrow beam [EE]



linear spread, very narrow beam, sharp cut-off [EES]



wallwash

Colour temperature



3000 K



4000 K



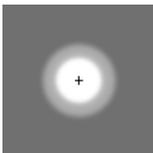
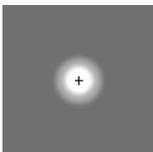
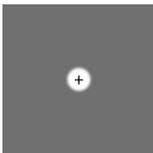
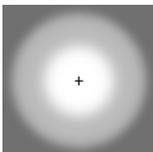
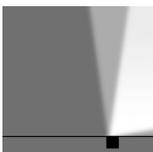
2700 K

Nominal Watt

56 W

Projectors

Configurations

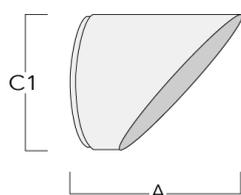
| Light distribution | Part ID | Light source | Rated lumens | Rated input power | CRI | Weight (kg) |
|--|-------------------|------------------------------|--------------|-------------------|-----|-------------|
| linear spread, very narrow beam [EE]  | 146-0964+146-0439 | LED-24/48W / 700 mA - 2700 K | 5162.8 | 54 W | 80 | 4.40 |
| | 146-7064+146-0439 | LED-24/48W / 700 mA - 3000 K | 5545.2 | 54 W | 80 | 4.40 |
| | 146-7065+146-0439 | LED-24/48W / 700 mA - 4000 K | 5927.6 | 54 W | 80 | 4.40 |
| linear spread, very narrow beam, sharp cut-off [EES]  | 146-0872+146-0439 | LED-24/48W / 700 mA - 2700 K | 5683.9 | 54 W | 80 | 4.70 |
| | 146-7052+146-0439 | LED-24/48W / 700 mA - 3000 K | 6104.9 | 54 W | 80 | 4.40 |
| | 146-7053+146-0439 | LED-24/48W / 700 mA - 4000 K | 6526 | 54 W | 80 | 4.40 |
| symmetric, medium beam [M]  | 146-0965 | LED-24/48W / 700 mA - 2700 K | 5630.1 | 54 W | 80 | 4.40 |
| | 146-7050 | LED-24/48W / 700 mA - 3000 K | 6047.2 | 54 W | 80 | 4.40 |
| | 146-7051 | LED-24/48W / 700 mA - 4000 K | 6464.2 | 54 W | 80 | 4.40 |
| symmetric, very narrow beam [EE]  | 146-0964 | LED-24/48W / 700 mA - 2700 K | 5573.3 | 54 W | 80 | 4.40 |
| | 146-7064 | LED-24/48W / 700 mA - 3000 K | 5986.1 | 54 W | 80 | 4.40 |
| | 146-7065 | LED-24/48W / 700 mA - 4000 K | 6398.9 | 54 W | 80 | 4.40 |
| symmetric, very narrow beam, sharp cut-off [EES]  | 146-0872 | LED-24/48W / 700 mA - 2700 K | 5998.4 | 54 W | 80 | 4.40 |
| | 146-7052 | LED-24/48W / 700 mA - 3000 K | 6442.7 | 54 W | 80 | 4.40 |
| | 146-7053 | LED-24/48W / 700 mA - 4000 K | 6887 | 54 W | 80 | 4.40 |
| symmetric, wide beam [B]  | 146-0963 | LED-24/48W / 700 mA - 2700 K | 5016.9 | 54 W | 80 | 4.40 |
| | 146-7062 | LED-24/48W / 700 mA - 3000 K | 5388.5 | 54 W | 80 | 4.40 |
| | 146-7063 | LED-24/48W / 700 mA - 4000 K | 5760.1 | 54 W | 80 | 4.40 |
| wallwash  | 146-0965+146-0646 | LED-24/48W / 700 mA - 2700 K | 4517.3 | 54 W | 80 | 4.40 |
| | 146-7050+146-0646 | LED-24/48W / 700 mA - 3000 K | 4851.9 | 54 W | 80 | 4.40 |
| | 146-7051+146-0646 | LED-24/48W / 700 mA - 4000 K | 5186.6 | 54 W | 80 | 4.40 |

Projectors

Optical Accessories

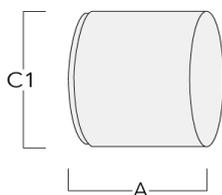
Glare shield

| Description | Part ID | A | C1 |
|-----------------|----------|-----|-----|
| Glare shield ES | 146-0229 | 120 | 145 |



Snoot

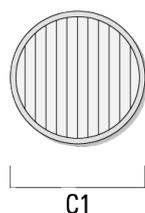
| Description | Part ID | A | C1 |
|-------------|----------|-----|-----|
| Snoot ET | 146-0398 | 120 | 145 |



Projectors

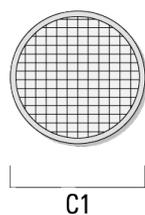
Linear spread lens

| Description | Part ID | C1 |
|---------------------------|----------|-----|
| Linear spread lens IO-180 | 146-0439 | 145 |



Flood lens

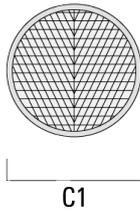
| Description | Part ID | C1 |
|-------------------|----------|-----|
| Flood lens IO-360 | 146-9950 | 145 |



Projectors

Wallwash lens

| Description | Part ID | C1 |
|---------------------|----------|-----|
| Wallwash lens IO-20 | 146-0646 | 145 |



Linear louvre

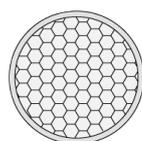
| Description | Part ID | C1 |
|------------------|----------|-----|
| Linear louvre IL | 146-9056 | 145 |



Projectors

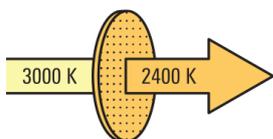
Honeycomb louvre

| Description | Part ID | C1 |
|---------------------|----------|-----|
| Honeycomb louvre IW | 146-0626 | 145 |



Colour correction filter

| Description | Part ID |
|------------------|----------|
| IF-3000K > 2400K | 146-9058 |

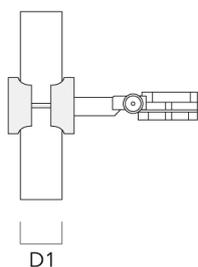


Projectors

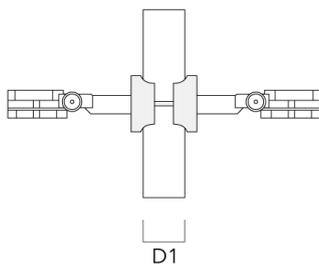
Mounting Accessories

Pole clamp

| Description | Part ID | D1 | Weight (kg) | D |
|---------------------------------------|----------|-------|-------------|-------|
| Pole clamp SP1-2/M8, single (Ø 76-89) | 146-0246 | 76-89 | 1.20 | 76-89 |

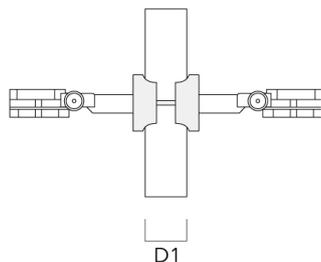


| | | | | |
|---------------------------------------|----------|-------|---|-------|
| Pole clamp SP2-2/M8, double (Ø 38-60) | 146-0247 | 38-60 | 1 | 38-66 |
|---------------------------------------|----------|-------|---|-------|

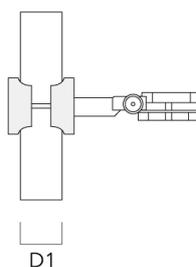


Projectors

| Description | Part ID | D1 | Weight (kg) | D |
|---------------------------------------|----------|-------|-------------|-------|
| Pole clamp SP2-2/M8, double (Ø 76-89) | 146-0248 | 76-89 | 1.20 | 76-89 |



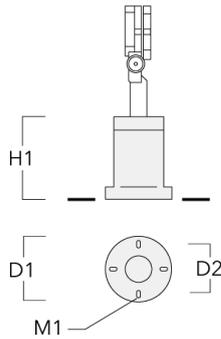
| | | | | |
|---------------------------------------|----------|-------|---|-------|
| Pole clamp SP1-2/M8, single (Ø 38-60) | 146-0245 | 38-60 | 1 | 38-66 |
|---------------------------------------|----------|-------|---|-------|



Projectors

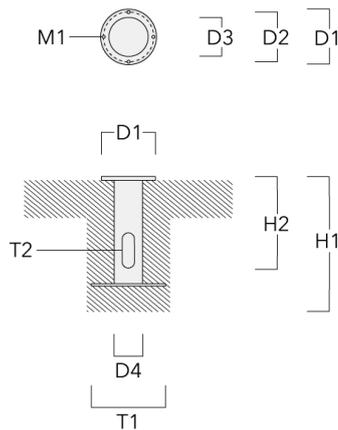
Short post

| Description | Part ID | D1 | D2 | H1 | M1 | Weight (kg) |
|---------------------|----------|-----|-----|-----|----|-------------|
| Short post EM1-2/M8 | 146-0253 | 160 | 130 | 200 | 9 | 1.10 |



Planted root

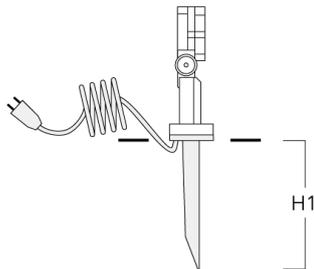
| Description | Part ID | D1 | D2 | D3 | D4 | H1 | H2 | M1 | T1 | T2 | Weight (kg) |
|-------------------|-------------|-----|-----|----|----|-----|-----|----|-----|----------|-------------|
| Planted root ESV4 | 300-0461-AP | 150 | 130 | 60 | 89 | 400 | 350 | 8 | 200 | 50 x 100 | 3.85 |



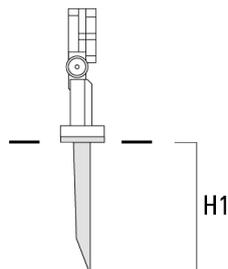
Projectors

Ground spike

| Description | Part ID | H1 | Weight (kg) |
|---|----------|-----|-------------|
| Ground spike EF1 (including cable and plug) | 146-0251 | 270 | 0.40 |



| | | | |
|---|----------|-----|------|
| Ground spike EF1 (without cable and plug) | 146-0250 | 270 | 0.40 |
|---|----------|-----|------|



Projectors

Junction box

| Description | Part ID | D1 | D2 | M1 | Weight (kg) |
|------------------|----------|-----|----|----|-------------|
| Junction box JB1 | 310-9000 | 135 | 67 | 9 | 1.6 |

