

PHILIPS



Floodlighting

ClearScape



Bring your **design to life**

Visually transform architecture
to captivate your audience.





Design possibilities
are now endless



Philips Gardco ClearScape LED Architectural Floodlights present a sleek design that will set a new standard for specification grade architectural floodlighting. ClearScape's all glass front and low profile housing boast a modern edge and distinctive style that will make a bold design statement, or seamlessly blend with any architectural landscape.

Create living light

Whether accentuating fine details, highlighting a monument or boldly drawing attention to an architectural facade, ClearScape is the right solution to enhance the definition of a space.

ClearScape provides 100–400W HID-equivalent performance, while utilizing a fraction of the energy. Multiple lumen packages provide output ranging from 2,000 to 21,100 lumens. Five floodlighting optical distributions deliver the right pattern for a variety of applications.

By delivering precision, uniform illumination to the target area, you can achieve optimal light levels using fewer floodlights compared to HID technology. Make an impact with your dynamic lighting design with ClearScape.



Fine-tune light with a palette of options



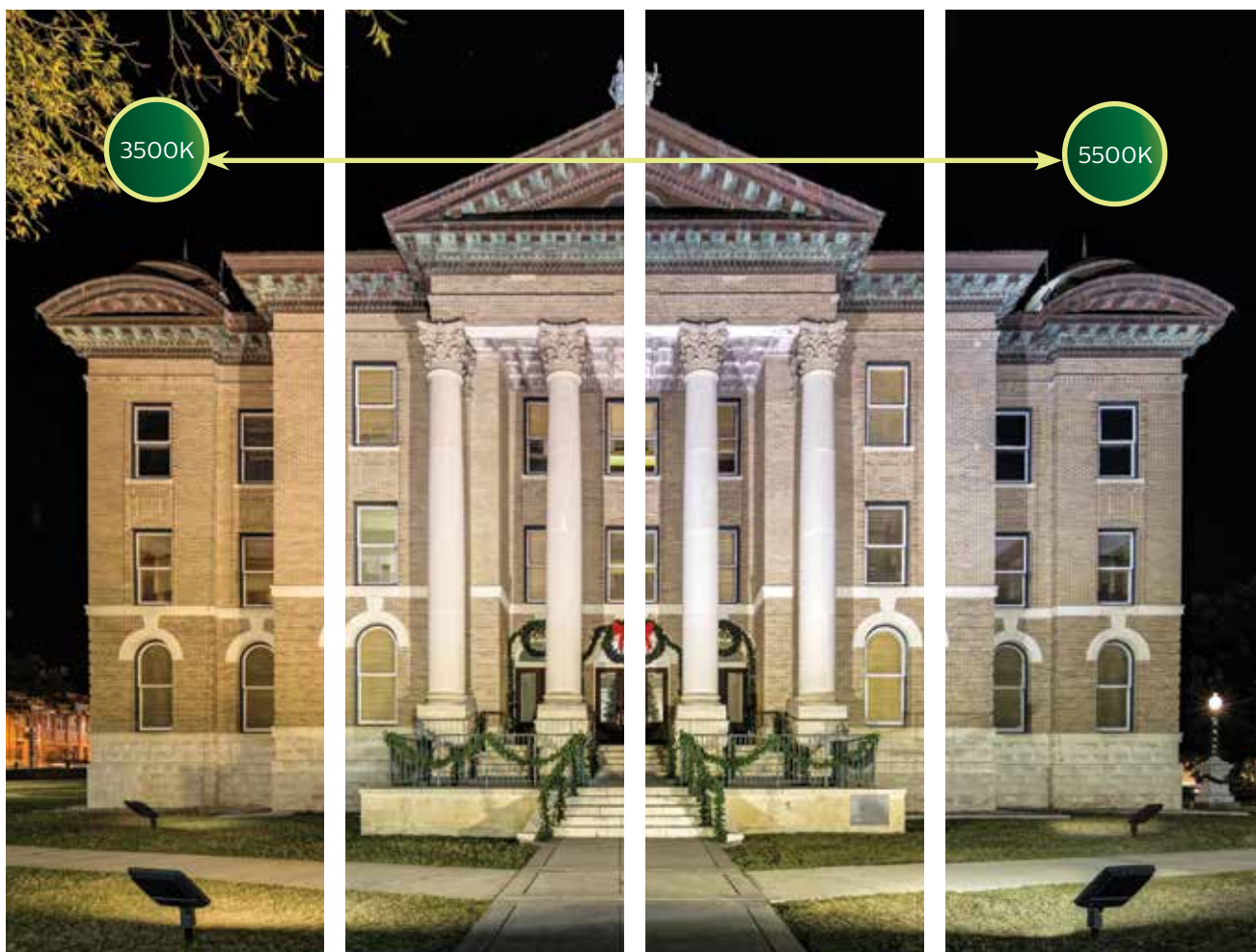
Eliminate glare with internal shields

ClearScape's internal concentric glare louvers enhance visual comfort from all viewing angles with the ideal amount of light, while eliminating unwanted glare. Because they are mounted internally, you get the same effect of external shielding, without taking away from the overall aesthetic of the luminaire.



Further enhance your design with color filters

ClearScape's optional color filters can further enhance your design for special events, holidays or seasonal changes. These filters are easily installed in the field to give you the effect you want, when you want it. Their thin, lightweight design offers easy storage when not in use.



Create the right shade with tunable white

Tunable White Technology, available with ClearScape Medium, combines the power of warm and cool white LEDs in one luminaire. This allows you to adjust the white light's color temperature on-site from 3500 to 5500K in 400K increments, creating just the right shade, or changing as your design needs change.



With ClearScape, you now have the ability to adjust your luminaire's color temperature in the field, at the time of installation to perfect your lighting solution on-site, at the turn of a dial. In addition, different color temperatures can be used for the same application to make sure each architectural component is highlighted in just the right light.

Static whites in neutral (4000K), cool (5700K) and warm (3000K) are also available.

Sleek, modern style in harmony with your design

All Glass Front

Continuous all glass surface and no front-facing fasteners provide a unique design element



Slipfitter

Slipfitter includes UL-recognized splice compartment that eliminates the need for a secondary junction box

Versatile Slipfitter option mounts to any 2-3/8" O.D. pipe or conduit

Low Profile

Less than 4" profile with a seamless transition from front to back allows ClearScape to blend in with surrounding architecture



Note: ClearScape Medium size shown

Thermal Management in Style

Attractive uniform heatsink fin design with no exposed bosses eliminates water pooling

Five Finish Options

A variety of finish options to blend or pop

IP66-Rated Luminaire

IP66-rated electrical and optical assembly ensures ClearScape is protected from harsh environmental factors to ensure durability and longevity



Tunable White

Tunable white is available with ClearScape Medium, and provides an output of 11,000 lumens across all color temperatures

Simply remove the cover using an allen wrench, and adjust the color temperature from 3000 to 5500K using a flat head screw driver



Innovation, sustainability and savings converge

All ClearScope components are designed to work seamlessly together. This means that you can count on efficient, reliable performance, and it allows you to maximize lighting energy cost savings by 54%.¹ ClearScope's long life of over 100,000 hours (L₇₀) also helps to reduce maintenance and operating costs.



54%
Minimum energy
cost savings
over HID¹

Controls Solutions



For further savings and customization, our optional stand-alone lighting solutions offer simple, individual outdoor lighting control.

- **DynaDimmer** changes the light output to high, medium or low according to pre-programmed or customized dimming schedules.
- A **Motion Response Override** function can be combined with DynaDimmer, allowing the floodlight to project full light output when motion is detected, and then automatically return to the programmed dimming schedule.
- **Programmable Motion Response** dims the floodlight to 50% output, increases to high when motion is detected, and returns to the original low output after a defined time. Pre-programmed and customized settings control light, duration and sensitivity levels.

1. Based on CSFM-64L vs. a 400W PSMH system at 456W.

Mounting

ClearScape is available with two different mounting options to provide the flexibility you need to complete your design. A full range of mounting accessories are also available to accommodate pole and wall mount solutions.



Slipfitter

ClearScape's structural, cast aluminum slipfitter is designed to mount to a 2" (2-3/8" O.D.) pipe tenon or rigid conduit. A single hex head bolt is tightened to secure the luminaire's tilt. Incremental 15° tick marks are provided to allow for precise aiming and to facilitate the alignment of multiple luminaires in 5° increments.



Integral splice compartment

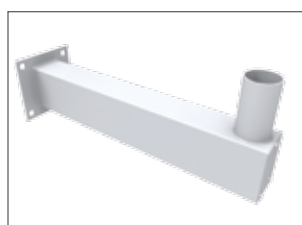
Splice connections can be made inside the slipfitter's dedicated UL-recognized splice compartment. Simply remove the access cover and make all of your wiring connections. No auxiliary junction box is required, allowing for luminaire at-grade wiring.



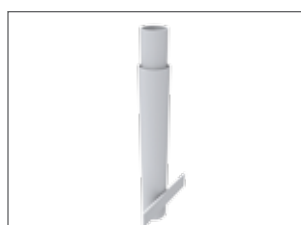
Yoke mount

When fixture locations do not allow for tenon style mounting or the need to mount a floodlight is an afterthought, bolting the product in place using a durable and adjustable yoke mount system provides the perfect solution. ClearScape's yoke mount option allows you to mount the product in place using appropriate mounting hardware.

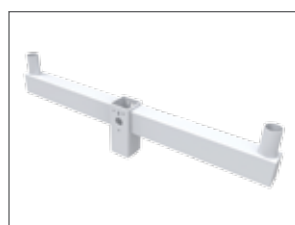
Additional mounting accessories for added versatility



Wall Mount Bracket



Stanchion Mount



Pole Top Adapter

Sculpting light

ClearScope features a full range of optical distributions, including a tight spot and various beam patterns, making it the perfect solution for a variety of floodlighting applications.

Spot 'SP'

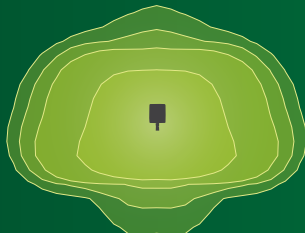


20' Setback, 0° Tilt
50% Main Beam: 15°H x 15°V
10% Field Beam: 24°H x 24°V

Applications:

Wall Grazing, Columns, Statues and Monuments, Bridges

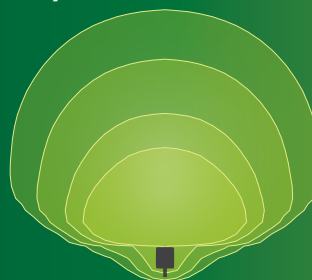
Asymmetric 33° Flood 'A33' (6H x 5V)



20' Setback, 0° Tilt
50% Main Beam: 81°H x 38°V
10% Field Beam: 119°H x 77°V

Applications:

Area Lighting, Facade (10-20'), Courtyard, Vertical Signage



10' Setback, 60° Tilt
50% Main Beam: 81°H x 38°V
10% Field Beam: 119°H x 77°V

Rectangular Spot 'RSP'

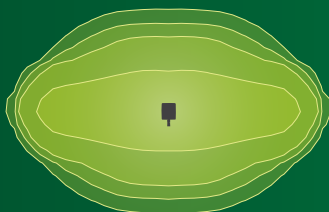


20' Setback, 0° Tilt
50% Main Beam: 22°H x 13°V
10% Field Beam: 40°H x 30°V

Applications:

Flags, Signage, Statues

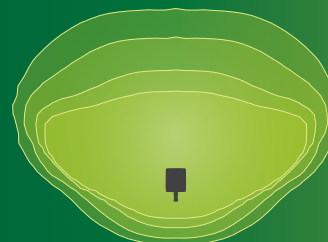
Rectangular Medium 'RM' (6H x 5V)



20' Setback, 0° Tilt
50% Main Beam: 81°H x 39°V
10% Field Beam: 119°H x 77°V

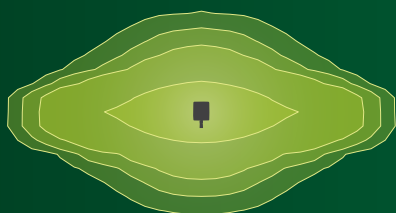
Applications:

General Area, Ground-Mounted Signage, Atriums, Facade (One-Story)



5' Setback, 25° Tilt
50% Main Beam: 81°H x 39°V
10% Field Beam: 119°H x 77°V

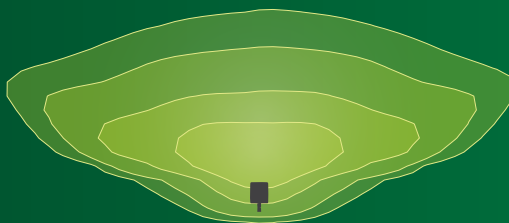
Rectangular Narrow 'RN' (7H x 5V)



20' Setback, 0° Tilt
50% Main Beam: 138°H x 41°V
10% Field Beam: 148°H x 75°V

Applications:

Facade (30-50'), Signage, Wall Grazing, Ceilings



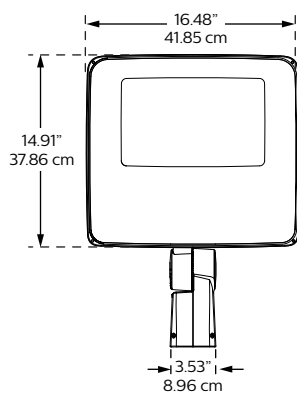
15' Setback, 45° Tilt
50% Main Beam: 138°H x 41°V
10% Field Beam: 148°H x 75°V

Technical information

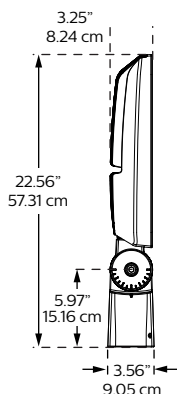
Dimensions - ClearScope Small (CSFS)

Slipfitter Mount

Front view



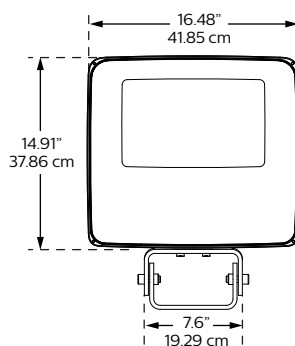
Side view



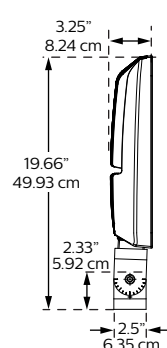
Weight: 31 Lbs
EPA: 2.20 ft²

Yoke Mount

Front view



Side view

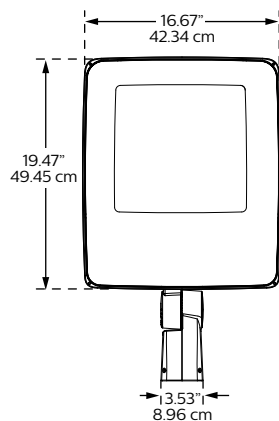


Weight: 29 Lbs
EPA: 2.12 ft²

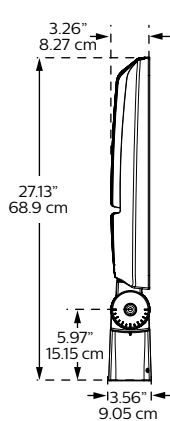
Dimensions - ClearScope Medium (CSFM)

Slipfitter Mount

Front view



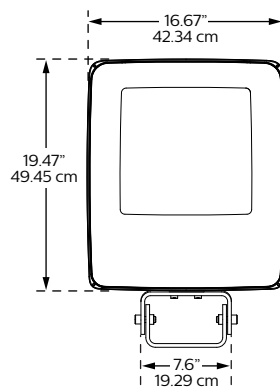
Side view



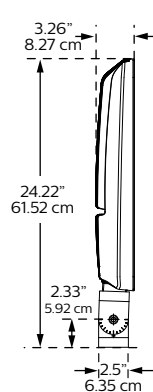
Weight: 41 Lbs
EPA: 2.80 ft²

Yoke Mount

Front view

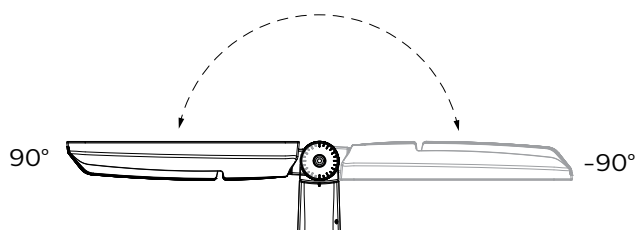


Side view



Weight: 39 Lbs
EPA: 2.68 ft²

Slipfitter Aiming Diagram



Ordering Guide

Ordering guide

Example: CSFS-16L-1A-NW-G1-SF-SP-UNV-BK

Prefix	# of LEDs	Drive Current	LED Color	Generation	Mounting	Distribution	Voltage	Options		Finish
<div></div>	<div></div>	<div></div>	<div></div>	<div>G1</div>	<div></div>	<div></div>	<div></div>	<div></div>		<div></div>
CSFS ClearScape Flood Small	16L 16 LEDs	350 350 mA 530 530 mA 700 700 mA 1A 1 A	NW Neutral White 4000K, 70 CRI CW Cool White 5700K, 70 CRI WW Warm White 3000K, 70 CRI	G1 Gen-1	SF Slip Fitter Mount (fits to 2-3/8" O.D. tenon YK Yoke Mount	SP Spot RSP Rectangular Spot A33 Asymmetric 33° Flood RN Rectangular Narrow Flood RM Rectangular Medium Flood	120 208 240 277 347 480 UNV ⁶ (120-277V) HVU ⁶ (347-480V)	DD 0-10V Dimming Driver DynaDimmer Safety Profile DS25 DS50 DS75 DynaDimmer Median Profile DM25 DM50 DM75 DynaDimmer Economy Profile DE25 DE50 DE75 MRO DynaDimmer and Motion Response Override <i>Pole mounted sensor</i> MR50 Motion Response (50% Low) <i>Pole mounted sensor</i>	PCB Photocontrol Button TLR Twist Lock Receptacle TLRPC Twist Lock Receptacle w/ Photocell F1 Single Fusing (120, 277, 347V) F2 Double Fusing (208, 240, 480V) F3 Double Fusing Canadian Double Pull (208, 240, 480V) ICL Internal Concentric Glare Louver	BK Textured Black WH Textured White BZ Textured Dark Bronze DGY Textured Dark Gray MGY Textured Medium Gray OC Optional Color <i>Specify optional color or RAL ex: OC-LGP or OC-RAL7024.</i> SC Special Color Specify. <i>Must supply color chip. Requires factory quote</i>
	32L 32 LEDs	530 530 mA 700 700 mA 1A 1 A								
CSFM ClearScape Flood Medium	48L 48 LEDs	530 530 mA 700 700 mA	NW Neutral White 4000K, 70 CRI CW Cool White 5700K, 70 CRI WW Warm White 3000K, 70 CRI TW Tunable White <i>(only available with CSFM-64L-1A units) 'TW' is field adjustable from 3500K to 5500K in (5) 400K increments. Provides an output of approximately 12,000 lumens across all color temperatures.</i>							
	64L 64 LEDs	700 700 mA 1A 1 A								

Accessories - Ordering guide (must be ordered separately)

Shielding and Lenses	Mounting - Slipfitter Mount	Mounting - Yoke Mount	Motion Response
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
ICL-CSF(S/M#) Internal Concentric Glare Louvers	WMB-16.5-(F) Wall Mounting Bracket	MF4-(F) Standalone Slip Fitter	MS-A-120V 120V input - Motion Sensor for MR50 or MRO
BD-CSF(S/M) Barn Doors	SMT-2-(F) Surface Mount Tenon	BP-(F) Surface Mount Base Plate	MS-A-277V 277V input - Motion Sensor for MR50 or MRO
WG-CSF(S/M) Wire Guard	JB-VMT-(F) Junction Box w/ SMT-2	JB-BP-(F) Junction Box w/ Base Plate	
SG-CSF(S/M) Stone Guard	SM-18-(F) 18" Stanchion Mount		
RDF-CSF(S/M) Red Color Filter	PTA-2180-16.5-(F) Pole Top Adaptor 2@180		
PKF-CSF(S/M) Pink Color Filter	PTA-2090-16.5-(F) Pole Top Adaptor 2@90		
BLF-CSF(S/M) Blue Color Filter	PTA-3090-16.5-(F) Pole Top Adaptor 3@90		
GNF-CSF(S/M) Green Color Filter	PTA-4090-16.5-(F) Pole Top Adaptor 4@90		

Prior to ordering, consult specification sheets on philips.com/luminaires for the most current information, notes, and exclusions.

Specifications

Construction

Die-cast aluminum housing with corrosion resistant hardware. ClearScape housing constructed to IP66. Die-cast aluminum heatsink allows for long life of LEDs up to 40°C ambient.

Thermal Management

The luminaire design incorporates vertical fins that allow the housing to provide excellent thermal management critical to long LED system life.

LED Board and Array

16, 32, 48 or 64 high power LEDs. Warm, Neutral, and Cool Color temperatures available. Metal core printed circuit board. RoHS compliant.

Driver

High efficiency multi-volt driver (50 or 60 Hz), maintains constant current flow to LEDs to accommodate LED variations. High power factor (0.9 standard). Constant current: 350, 530, 700, or 1000 mA. Voltage: 120-277, 347, 480. Ambient temperature range: -40°C (-40°F) to 40°C (104°F). Open / short circuit protection. RoHS compliant. Surge protector standard. The surge protector is in accordance with IEEE / ANSI C62.41.2 guidelines, with a surge current rating of 10 KV / 5 KA.

LED Optical System

SP - Spot, RSP - Rectangular Spot, A33 - Asymmetric 33° Flood, RN - Rectangular Narrow Flood, RM - Rectangular Medium Flood distributions. See optical data for details. Fully gasketed IP66-rated construction.

Optical Options

Internal Concentric Glare Louver (ICL) options reduce glare and increase visual comfort. Shields are mounted internally, and do not disrupt the overall aesthetic of the luminaire. Shields can be ordered as an option and installed in the factory, or as an accessory for field installation.

Barn doors are also available.

Mounting

Slipfitter (SF) is vertically adjustable, suitable for mounting to a 2-3/8" O.D. tenon. Slipfitter features an integral splice compartment with gasketed access cover to eliminate the need for a secondary junction box.

Yoke mount also available

Tunable White

Tunable White (TW) is field adjustable from 3500K to 5500K in (5) 400K increments. Provides an output of approximately 12,000 lumens across all color temperatures.

Energy saving benefits and controls

ClearScape provides a minimum of 54% energy savings over traditional HID systems without controls. Optional DynaDimmer and motion response controls provide additional energy savings by dimming to 25%.

Finish

Standard textured finishes available. BZ - Textured Dark Bronze, DGY - Textured Dark Gray, MGY - Textured Medium Gray, WH - Textured White, BK - Textured Black.

Accessories

See ordering guide on page 14 for details.

Listings

All luminaires bear UL or cUL (where applicable) Wet Location labels. Suitable for use in ambients from -40° to 40°C (-40° to 104°F). Luminaire optic and electrical housing constructed to IP66.

Warranty

5 year limited warranty. See philips.com/luminaires for complete details and exclusions.

Taking the next step

See how ClearScape LED Architectural Floodlights can help to bring your design to life. Visit www.philips.com/clearscape for more information or contact your local Philips sales representative to schedule a demonstration.



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