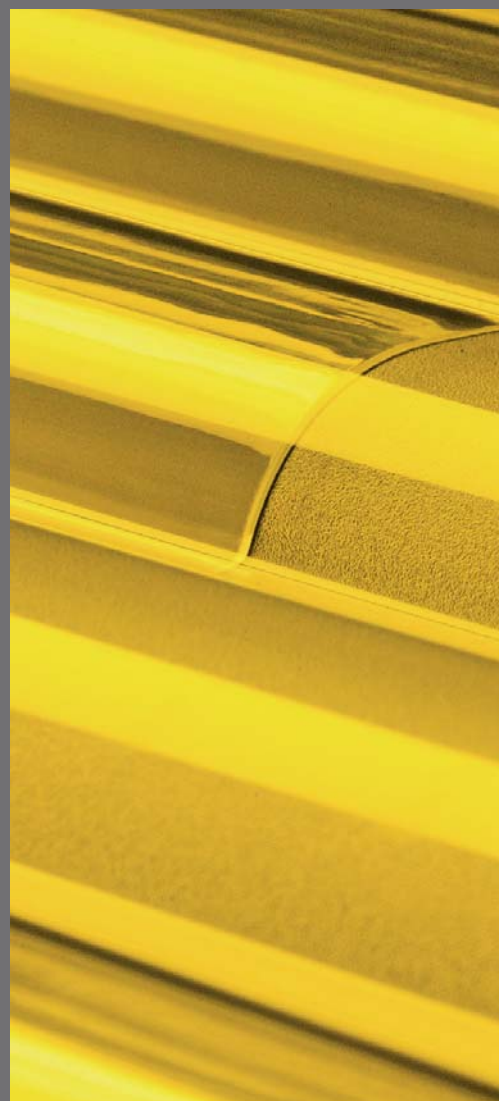
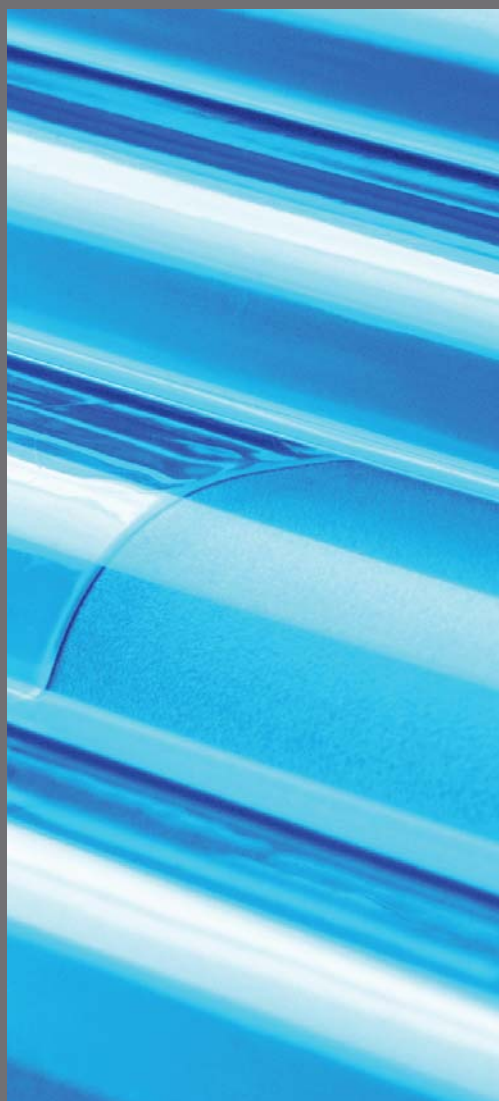


we-ef

WE-EF LIGHTING
North American Edition
2014-2016

Inground Luminaires





EFC100 Series



18-19
EFC120
LED



ESC100 Series



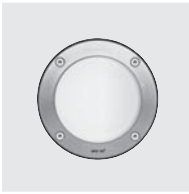
20-21
ESC130
ESC140
HID



ETC100 Series
Marker



22-23
ETC109
ETC119
LED



ETC300 Series
Reduced Depth Marker



24-25
ETC329
ETC339
LED



ETC100-GB Series
Gimbal



26-27
ETC120-GB
ETC130-GB
ETC140-GB
LED



ETC100-GB Series
Gimbal



28-29
ETC120-GB
ETC130-GB
ETC140-GB
HID

INGROUND LUMINAIRES



ETC300-GB Series
Reduced Depth Gimbal

30-31
ETC330-GB
LED



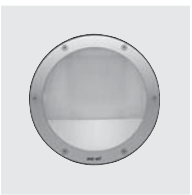
ETC100 Series
Fixed Optics

32-33
ETC110
LED



ETC100 Series
Fixed Optics

34-35
ETC120
ETC130
ETC140
ETC150
HID



ETC100 Series
Wallwash

36-37
ETC130
ETC140
ETC150
HID



Accessories
ESC100 Series
ETC100 Series
ETC300 Series

38
Optical accessories
LED

39
Optical accessories
HID



ETR100 Series
Marker

40-41
ETR139
ETR149
ETR159
LED

42-43
ETR149
FL



ETR100 Series
Wallwash

44-45
ETR140
FL

EFC100 SERIES

Directional marker light (semi-recessed). IP67 (dust-tight and water-tight immersible). Luminaire body constructed from stainless steel. Die-cast dome/outer housing constructed from marine-grade aluminum alloy. 5CE superior corrosion protection including PCS hardware. Powdercoat finish in black RAL 9004, grey metallic RAL 9007 or white RAL 9016. Specify finish. Consult WE-EF color chart for other options. Single- or double-sided optical lens made from PMMA provides a controlled horizontal beam 110° wide. Silicone rubber gasket. Factory-sealed termination chamber with 3' of flexible 18/3 cable. Concealed bayonet action locking device for access. No visible fasteners. 'No tool' removable gear tray assembly.

Factory-installed LED circuit board. LED boards can be easily removed for upgrading.

Integral [ECG] LED driver in 120 or 277 volt. Specify voltage.

Suitable for installation in concrete pour applications only as a directional marker or low level illumination. Luminaire can be driven over at low speeds only. It is not designed for normal traffic conditions.

Light source:

LED 6-12 W, 3000 K

(for 4000 K, refer to www.we-ef.com)

Beam distribution:

Controlled distribution, single- or double-sided

UL, cUL:

■ Suitable for wet locations



St Marys Axe. London (UK). Architect: Foster & Partners. Lighting design: Speirs + Major.

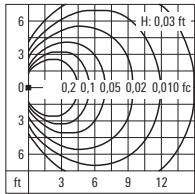


IOS Innovative Optical System:
Controlled distribution, single- or double-sided

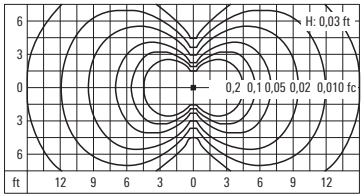


Ordering guide:
Specify 7 digit part ID together with voltage and finish.
Example: **609-2120 – 120 V – Black RAL 9004**

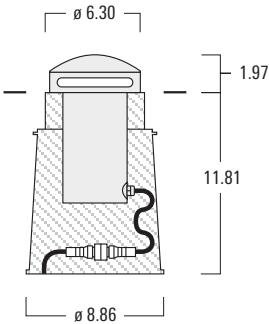
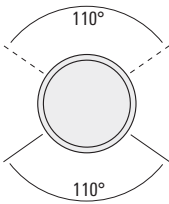
Single-sided	Part ID	Light source	K	lm*	°F**	lbs
EFC120-1	609-2120	6 LED 6W/350 mA	3000	756	113	11.5
Double-sided	Part ID	Light source	K	lm*	°F**	lbs
EFC120-2	609-2220	12 LED 12W/350 mA	3000	2 x 756	124	11.5



Single-sided



Double-sided



* Nominal lumen output based on LED manufacturers data at 85°C T_j. For rated lumens at 25°C T_a and latest data, refer to www.we-ef.com.
** Ground temperature taken as 59°F.

ESC100 SERIES

Inground uplight (semi-recessed). IP67 (dust-tight and water-tight immersible). Luminaire body constructed of stainless steel. Multi-function, die-cast 'hood' constructed from marine-grade aluminum alloy. Outer housing constructed from composite material. 5CE superior corrosion protection including PCS hardware. Powdercoat finish in black RAL 9004, grey metallic RAL 9007 or white RAL 9016. Specify finish. Consult WE-EF color chart for other options. Tempered glass lens. Anodized aluminum reflector. Silicone rubber gasket. Factory-sealed termination chamber with 3' of flexible 18/3 cable. 'No tool' removable gear tray assembly.

ESC130: Integral [ECG] CMH ballast in 120 or 277 volt.

ESC140: Integral [ECG] CMH ballast in 120, 277 or 347 volt.

Specify voltage where applicable.

Suitable for installation in concrete or earth. Ideal luminaire for the uplighting of trees, where the protection of the lens from falling debris is desired.

Optional CTA® Cool Touch Adaptor for reducing glass surface temperature.

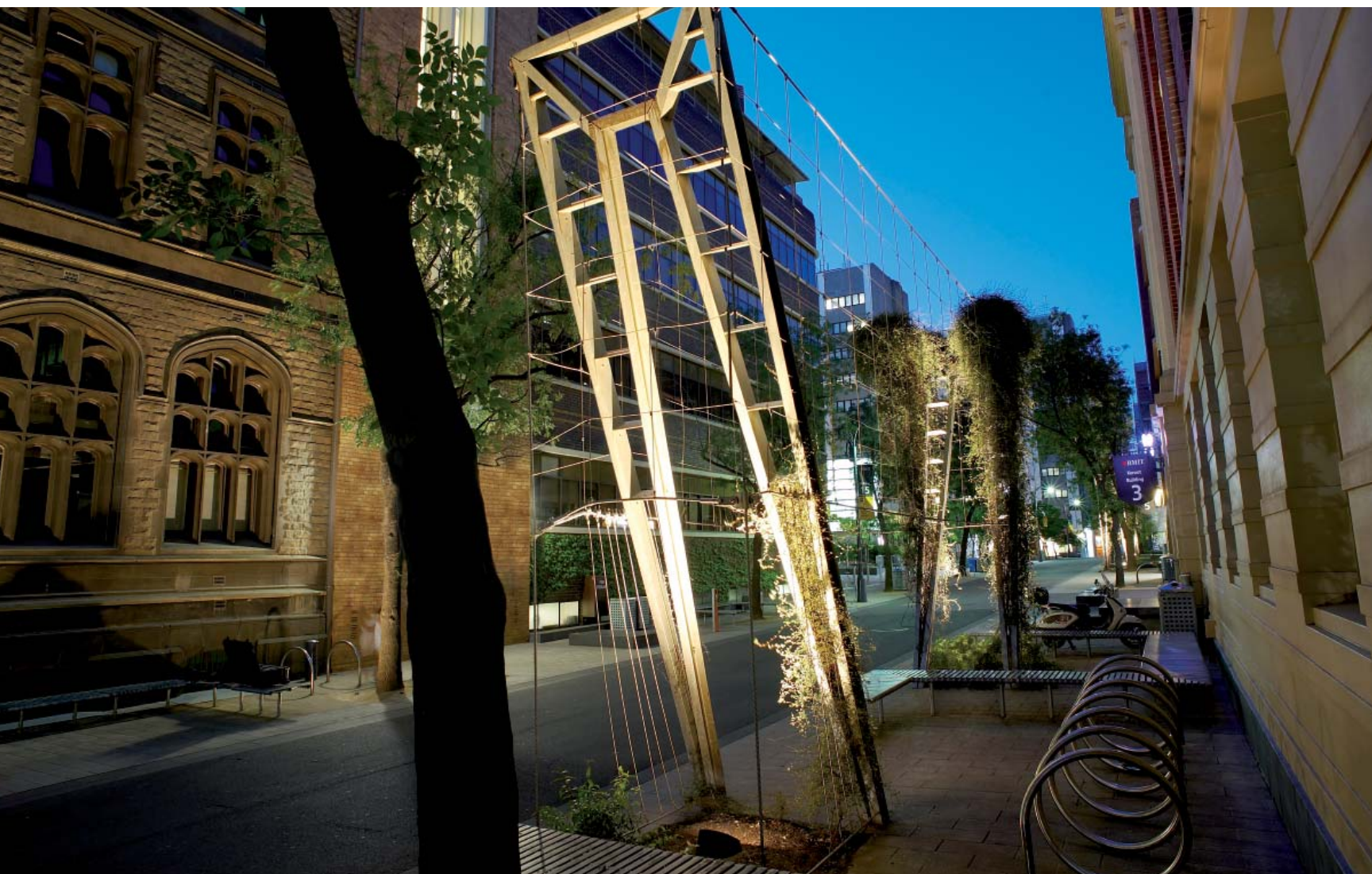
Light source:
CMH 39-70 W

Beam distributions:
[M] [VN]

Accessories:
■ Optical, page 39

UL, cUL:
■ Suitable for wet locations

Asymmetric distribution is achieved using either 6° (IO-6) or 20° (IO-20) directional lenses, refer to optical accessories.



RMIT University. Bowen Lane, Melbourne (AUS). Lighting design and landscape architect: RMIT.



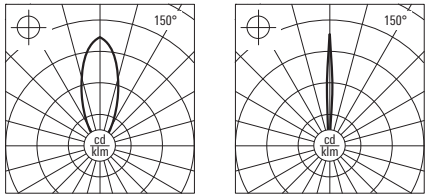
[M] [VN]

IOS Innovative Optical System:
[M] Symmetric distribution, medium beam
[VN] Symmetric distribution, very narrow beam

Ordering guide:
Specify 7 digit part ID together with voltage and finish.
Example: 610-3050 – 120 V – Black RAL 9004

[M]	Part ID	Light source	lm	cd max	Beam	°F*	lbs
ESC130	610-3050	CMH39/T-6/G-12 base	3300	7461	24°	149/131	18.0
ESC140	610-4054	CMH70/T-6/G-12 base	6600	9095	38°	176/131	28.0

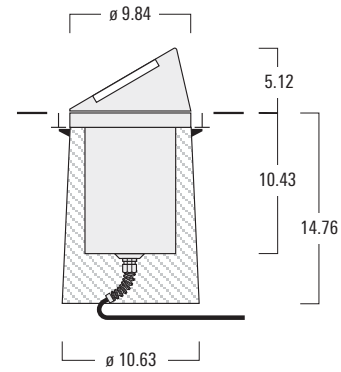
[VN]	Part ID	Light source	lm	cd max	Beam	°F*	lbs
ESC130	610-3051	CMH39/T-6/G-12 base	3300	64799	6°	131/113	18.0
ESC140	610-4055	CMH70/T-6/G-12 base	6600	219028	6°	176/145	28.0



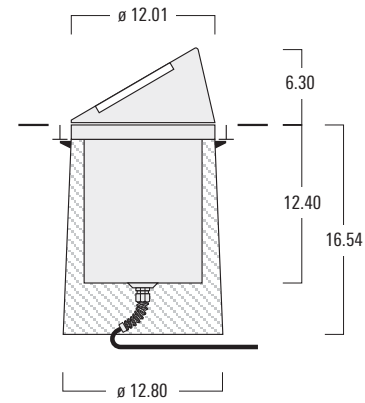
[M] [VN]



ESC130



ESC140



* Operational surface temperature based on ground temperature at 59°F: without CTA®/with CTA®.

ETC100 SERIES – MARKER LIGHT

Inground luminaire for orientation. IP68 (submersible up to 10 m). Luminaire body and lens frame constructed from stainless steel including PCS hardware. Outer housing constructed from composite material. Standard finish, natural stainless steel. Tempered glass lens with internal white ceramic glazing. Max. load 5 tonnes. Silicone rubber gasket. Factory-sealed termination chamber with 3' of flexible 18/3 cable. Suitable for flush to grade installation in concrete or earth for walk- or drive-over applications.

Factory-installed LED circuit board. LED boards can be easily removed for upgrading.

ETC109: Requires remote [RT] mounted 120-12 volt DC Class 2 LED power supply, suitable for the intended LED wattage (to be ordered separately).

ETC119: Requires remote [RT] mounted 120-24 volt DC Class 2 LED power supply, suitable for intended LED wattage (to be ordered separately).

Light source:

LED 0.5-1 W

Beam distribution:

Diffused

Accessories:

■ Electrical, page 23

■ Mounting, page 23

UL, cUL:

■ Suitable for wet locations



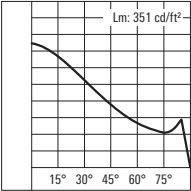
Liverpool Innovation Park. Liverpool (UK). Landscape architect: Scott Wilson Landscape Architects.

Ordering guide:

Specify 7 digit part ID together with suitable LED driver.

Example: 611-1916 – 697-9412

Diffused	Part ID	Light source		lm*	Lm [cd/ft²]	lbs
ETC109	611-1916	4 LED 0.5 W	white 5 K	13	351	2.0
	611-1912	4 LED 0.5 W	red	18	460	2.0
	611-1911	4 LED 0.5 W	green	15	256	2.0
	611-1910	4 LED 0.5 W	blue	4	131	2.0
ETC119	611-1928	1 LED 1.0 W	white 3 K	64	319	3.0



Diffused

Accessories:

Remote transformer RT		Volts	Watt max.	Watt min.	lbs
for ETC109	697-9412	120-12 DC	12.0	2.8	8.0
	697-9413	120-12 DC	25.5	5.8	8.0
	697-9414	120-12 DC	60.0	1.2	8.0
for ETC119	697-9415	120-24 DC	17.0	2.0	8.0
	697-9416	120-24 DC	40.8	4.9	8.0
	697-9417	120-24 DC	100.0	0.4	8.0

Remote mounted LED power supplies (drivers). Suitable for installation on horizontal or vertical surfaces. 120-12 or -24 volt DC. Class 2, in exterior rated (DK5) enclosure. Two 1/2" threaded conduit entries. Additional conduit entries can be provided on request. For remote distance specifications, refer to www.we-ef.com. Standard finish: Black RAL 9004. Optional finishes available upon request.

Reduced depth installation blackout – For restricted depth applications (optional).

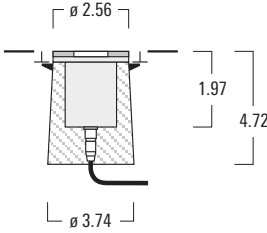
for ETC119	611-8110
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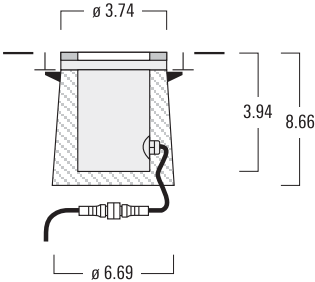
ETC109



ETC119

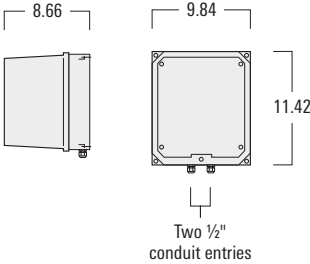


ETC109

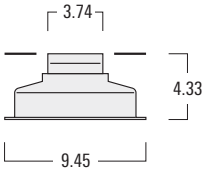


ETC119

Remote transformer



Installation blackout



* Based on CIE illuminant D65.

ETC300 SERIES – REDUCED DEPTH MARKER LIGHT

Inground luminaire for orientation. IP67 (dust-tight and water-tight immersible).

Luminaire body and lens frame constructed from stainless steel including PCS hardware.

Outer housing constructed from composite material. Standard finish, natural stainless

steel. Tempered glass lens with internal white ceramic glazing. Max. load 5 tonnes.

Silicone rubber gasket. Factory-sealed termination chamber with 3' of flexible 18/3 cable.

Suitable for flush to grade installation in concrete or earth for walk- or drive-over applications.

Factory-installed LED circuit board. LED boards can be easily removed for upgrading.

Integral [ECG] LED driver in 120 or 277 volt. Specify voltage.

ASC Anti Slip Coating on a ceramic tempered glass lens, available on request. For details, refer to www.we-ef.com.

Light source:

LED 6.5-13 W, 3000 K

(for 4000 K, refer to www.we-ef.com)

Beam distribution:

Diffused

UL, cUL:

■ Suitable for wet locations



Technische Fachhochschule. Wildau/Berlin (D). Architect: Anderhalten Architekten. Lighting design: Ritter Lichttechnik.

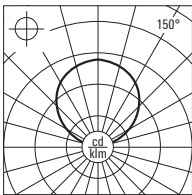
Ordering guide:

Specify 7 digit part ID together with suitable voltage.

Example: 611-2928 – 120 V

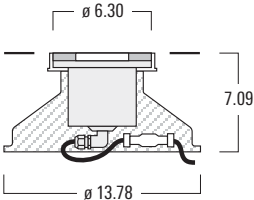


Diffused	Part ID	Light source	K	lm*	cd max	Beam	°F**	lbs
ETC329	611-2928	LED 6.5W/175 mA	3000	705	41	110°	82	8.3
ETC339	611-3921	LED 13W/350 mA	3000	1400	106	112°	81	13.9

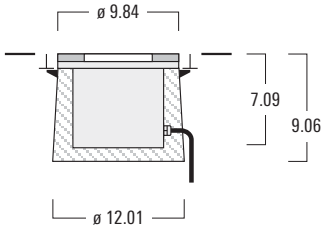


Diffused

ETC329



ETC339



* Nominal lumen output based on LED manufacturers data at 85°C T_j. For rated lumens at 25°C T_a and latest data, refer to www.we-ef.com.

** Operational surface temperature, based on ground temperature at 59°F.

ETC100-GB SERIES – GIMBAL

Inground uplight. IP67 (dust-tight and water-tight immersible). Luminaire body and lens frame constructed from stainless steel including PCS hardware. Outer housing constructed from composite material. Standard finish, natural stainless steel. Clear tempered glass lens, max. load 5 tonnes. Silicone rubber gasket. Off-set gimbal mounted module with lockable aiming. Zero to 20° or 30° vertical tilt, 355° or 360° rotation. Factory-sealed termination chamber with 3' of flexible 18/3 cable. 'No tool' removable gear tray assembly. Suitable for flush to grade installation in concrete or earth for walk- or drive-over applications.

Factory-installed LED circuit board. LED boards can be easily removed for upgrading. PMMA LED lens array.

Integral [ECG] LED driver in 120 or 277 volt. Specify voltage.

ASC Anti Slip Coating on a ceramic tempered glass lens, available on request. For details, refer to www.we-ef.com.

Light source:

LED 6-24 W, 3000 K

(for 4000 K, refer to www.we-ef.com)

Beam distributions:

[W] [M] [VN] [VNS]

Accessories:

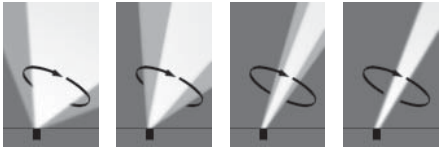
■ Optical, page 38

UL, cUL:

■ Suitable for wet locations



Southwestern Pennsylvania World War II Memorial. Pittsburgh (USA). Artist: Larry Kirkland. Landscape Architect: Design Workshop. Lighting design: Hilbish McGee Lighting Design.



[W] [M] [VN] [VNS]

IOS Innovative Optical System:

[W] Symmetric distribution, wide beam

[M] Symmetric distribution, medium beam

[VN] Symmetric distribution, very narrow beam

[VNS] Symmetric distribution, very narrow beam, 'sharp cut-off'

Ordering guide:

Specify 7 digit part ID together with voltage.

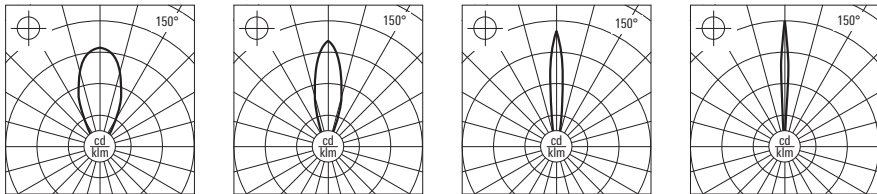
Example: 611-3040 – 120 V

[W]	Part ID	Light source	K	lm*	cd max	Beam	°F**	lbs
ETC130-GB	611-3040	12 LED 18W/500 mA	3000	1656	1560	50°	99	18.2
ETC140-GB	611-4034	24 LED 24W/350 mA	3000	2484	2310	50°	86	29.9

[M]	Part ID	Light source	K	lm*	cd max	Beam	°F**	lbs
ETC120-GB	611-2220	3 LED 6W/700 mA	3000	532	1144	34°	75	10.3
ETC130-GB	611-3020	12 LED 18W/500 mA	3000	1656	4162	30°	99	18.2
ETC140-GB	611-4020	24 LED 24W/350 mA	3000	2484	6359	28°	86	29.2

[VN]	Part ID	Light source	K	lm*	cd max	Beam	°F**	lbs
ETC120-GB	611-2222	3 LED 6W/700 mA	3000	532	3382	16°	75	10.3
ETC130-GB	611-3014	12 LED 18W/500 mA	3000	1656	14543	12°	99	18.2
ETC140-GB	611-4014	24 LED 24W/350 mA	3000	2484	20468	12°	86	29.9

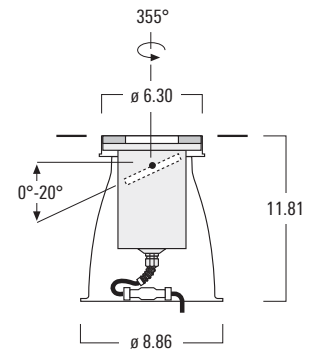
[VNS]	Part ID	Light source	K	lm*	cd max	Beam	°F**	lbs
ETC120-GB	611-2224	3 LED 6W/700 mA	3000	532	14542	8°	75	10.3
ETC130-GB	611-3034	12 LED 18W/500 mA	3000	1656	57390	6°	99	18.2
ETC140-GB	611-4004	24 LED 24W/350 mA	3000	2484	102433	6°	86	29.9



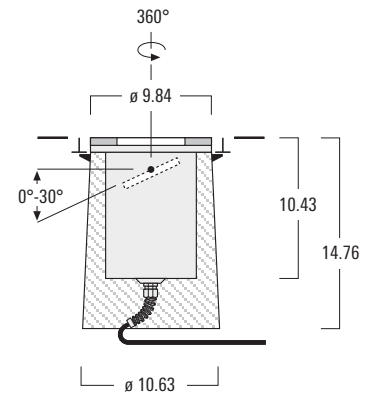
[W] [M] [VN] [VNS]



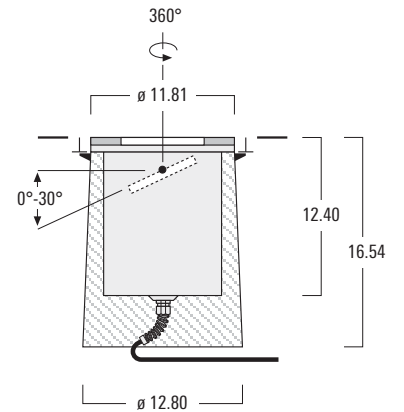
ETC120-GB



ETC130-GB



ETC140-GB



* Nominal lumen output based on LED manufacturers data at 85°C T_j. For rated lumens at 25°C T_a and latest data, refer to www.we-ef.com.

** Operational surface temperature, based on ground temperature at 59°F.

ETC100-GB SERIES – GIMBAL

Inground uplight. IP67 (dust-tight and water-tight immersible). Luminaire body and lens frame constructed from stainless steel including PCS hardware. Outer housing constructed from composite material. Standard finish, natural stainless steel. Clear tempered glass lens, max. load 5 tonnes. Silicone rubber gasket. Off-set gimbal mounted module with lockable aiming. Zero to 15° or 30° vertical tilt, 360° rotation. Factory-sealed termination chamber with 3' of flexible 18/3 cable. 'No tool' removable gear tray assembly. Suitable for flush to grade installation in concrete or earth for walk- or drive-over applications.

ETC120-GB: Integral [ECG] CMH ballast in 120 volt only.

ETC130/140-GB: Integral [ECG] CMH ballast in 120 or 277 volt. Specify voltage. Integral CTA® Cool Touch Adaptor for reducing glass surface temperature.

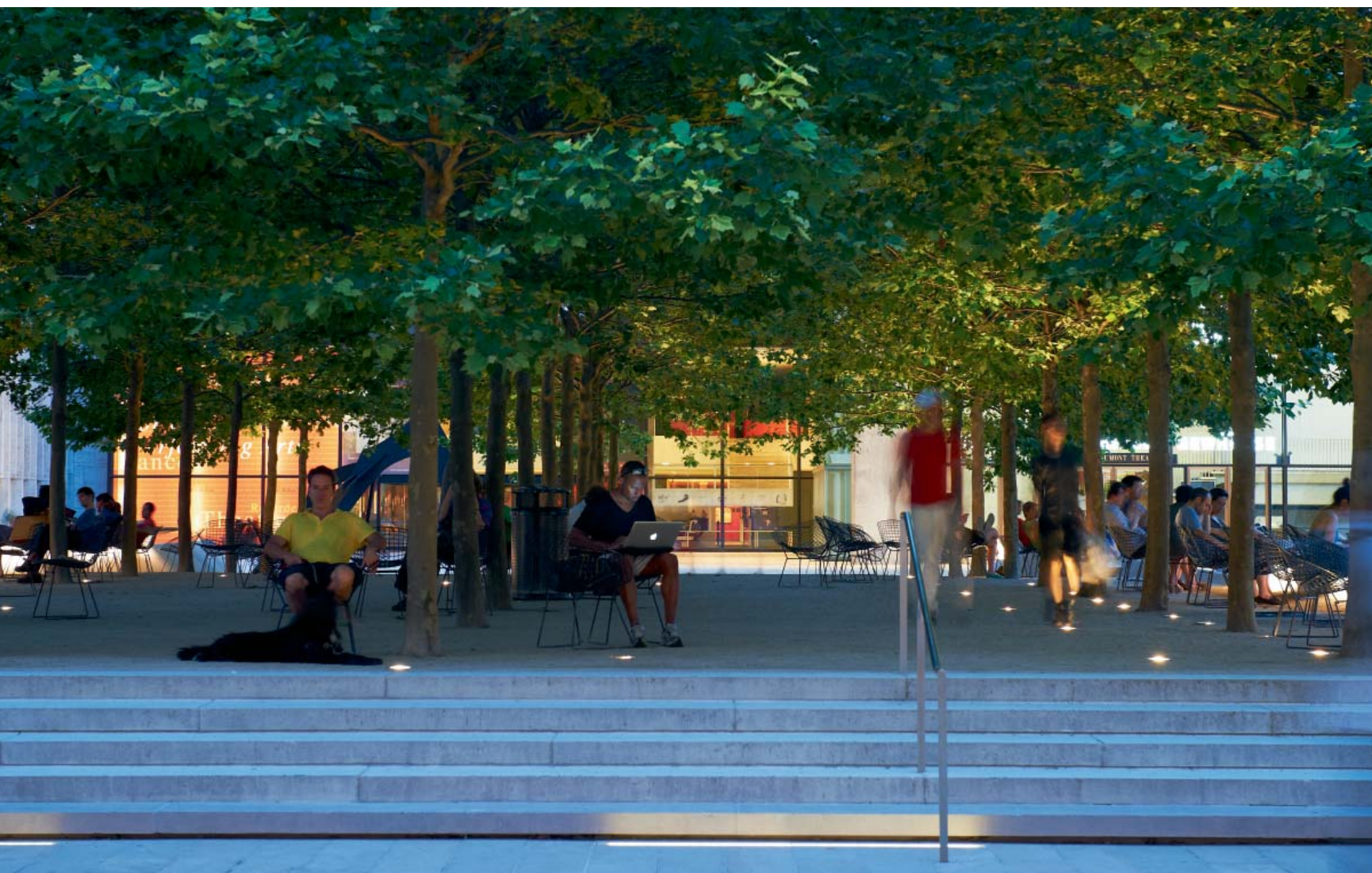
ASC Anti Slip Coating on a ceramic tempered glass lens, available on request. For details, refer to www.we-ef.com.

Light source:
CMH 20-70 W

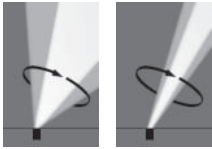
Beam distributions:
[M] [VN]

Accessories:
■ Optical, page 39

UL, cUL:
■ Suitable for wet locations



Lincoln Center Plaza. New York (USA). Architect: Diller Scofidio + Renfro, FXFOWLE Architects and Beyer Blinder Belle. Lighting design: Tillotson Design Associates.



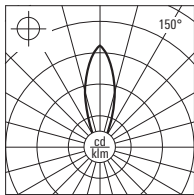
[M] [VN]

IOS Innovative Optical System:
[M] Symmetric distribution, medium beam
[VN] Symmetric distribution, very narrow beam

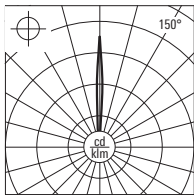
Ordering guide:
Specify 7 digit part ID together with voltage.
Example: 611-2070 – 120 V

[M]	Part ID	Light source	lm	cd max	Beam	°F*	lbs
ETC120-GB	611-2070	CMH20/MR16/FL/GX10 base	1000	2322	28°	109	6.0
ETC130-GB	611-3070	CMH22/T-3.5/PGJ-5 base	1650	1590	32°	118	16.0
	611-3072	CMH39/T-3.5/PGJ-5 base	3000	3942	32°	162	16.0
ETC140-GB	611-4070	CMH39/T-6/G-12 base	3300	7022	18°	124	34.0
	611-4072	CMH70/T-6/G-12 base	6600	13926	20°	167	34.0

[VN]	Part ID	Light source	lm	cd max	Beam	°F*	lbs
ETC120-GB	611-2071	CMH20/MR16/SP/GX10 base	1000	14290	6°	109	6.0
ETC130-GB	611-3071	CMH22/T-3.5/PGJ-5 base	1650	16200	6°	127	16.0
	611-3073	CMH39/T-3.5/PGJ-5 base	3000	14124	10°	174	16.0
ETC140-GB	611-4071	CMH39/T-6/G-12 base	3300	44352	6°	127	34.0
	611-4073	CMH70/T-6/G-12 base	6600	83398	6°	167	34.0



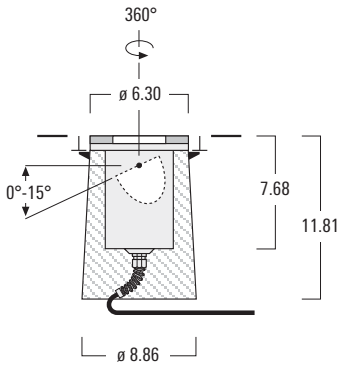
[M]



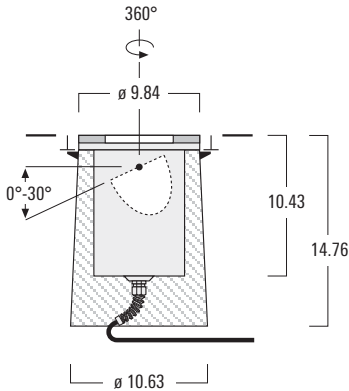
[VN]



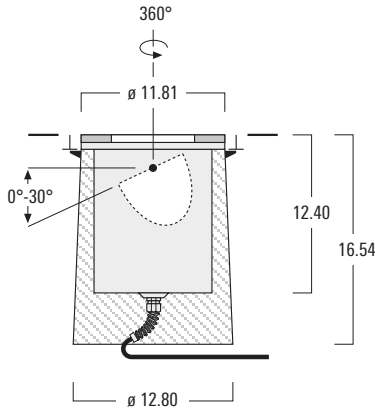
ETC120-GB



ETC130-GB



ETC140-GB



* Operational surface temperature, based on ground temperature at 59°F.

ETC300-GB SERIES – REDUCED DEPTH GIMBAL

Inground uplight. IP67 (dust-tight and water-tight immersible). Luminaire body and lens frame constructed from stainless steel including PCS hardware. Outer housing constructed from composite material. Standard finish, natural stainless steel. Clear tempered glass lens, max. load 5 tonnes. Silicone rubber gasket. Off-set gimbal mounted LED module with lockable aiming. Zero to 30° vertical tilt and 360° rotation. Factory-sealed termination chamber with 3' of flexible 18/3 cable. 'No tool' removable gear tray assembly. Suitable for flush to grade installation in concrete or earth for walk- or drive-over applications.

Factory-installed LED circuit board. LED boards can be easily removed for upgrading. PMMA LED lens array.

Integral [ECG] LED driver in 120 or 277 volt. Specify voltage.

ASC Anti Slip Coating on a ceramic tempered glass lens, available on request. For details, refer to www.we-ef.com.

Light source:

LED 12 W, 3000 K

(for 4000 K, refer to www.we-ef.com)

Beam distributions:

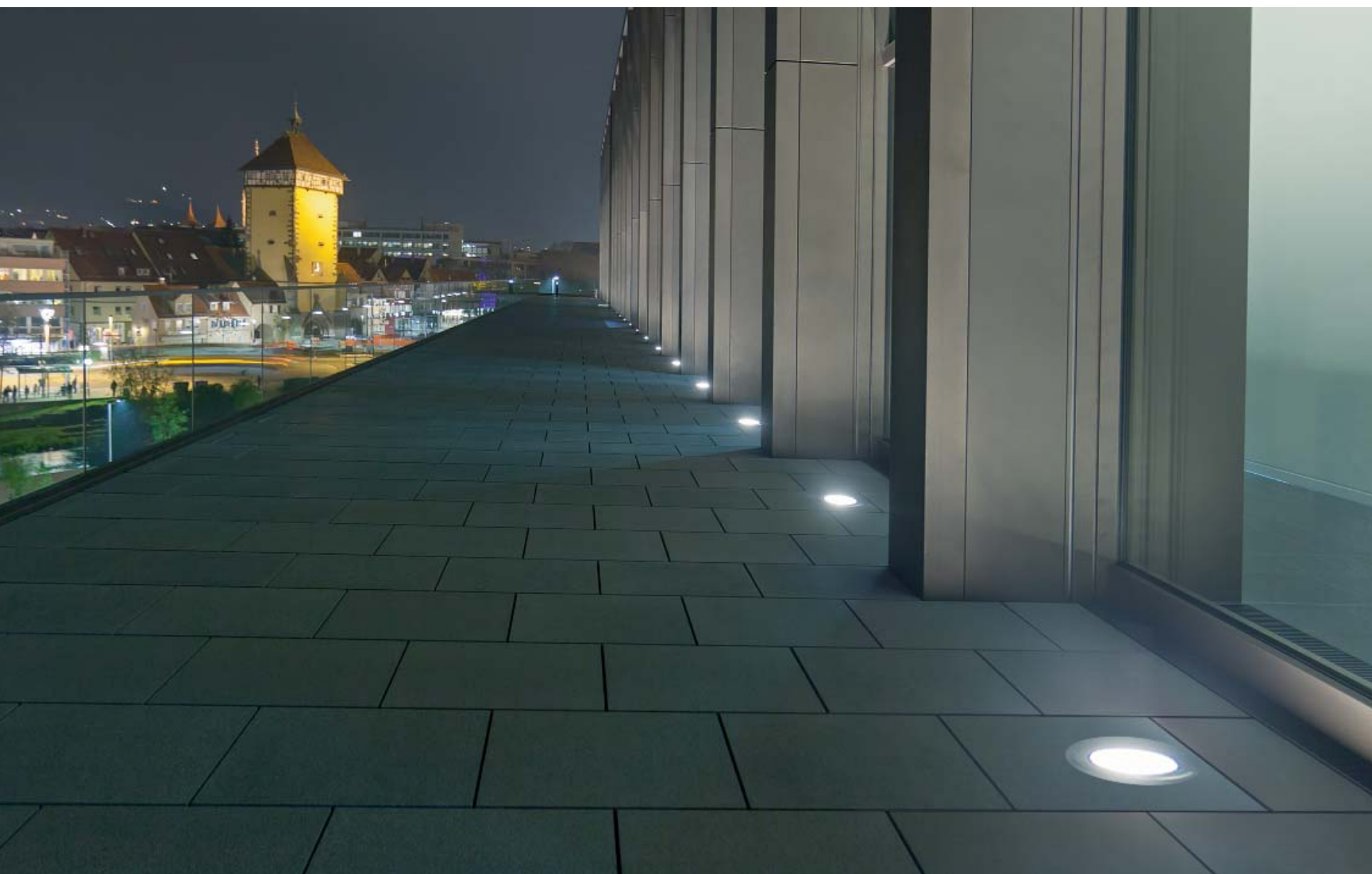
[W] [M] [VN] [VNS]

Accessories:

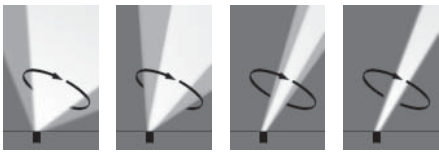
■ Optical, page 38

UL, cUL:

■ Suitable for wet locations



Stadthalle. Reutlingen (D).



[W] [M] [VN] [VNS]

IOS Innovative Optical System:

[W] Symmetric distribution, wide beam

[M] Symmetric distribution, medium beam

[VN] Symmetric distribution, very narrow beam

[VNS] Symmetric distribution, very narrow beam, 'sharp cut-off'

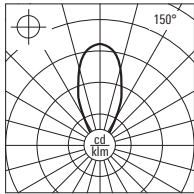
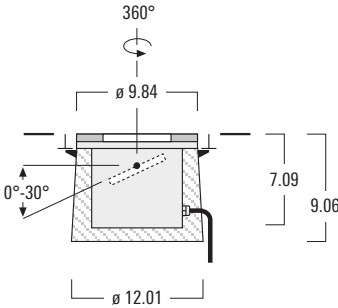


Ordering guide:

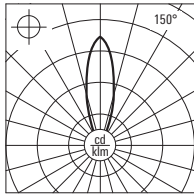
Specify 7 digit part ID together with voltage.

Example: 611-3246 – 120 V

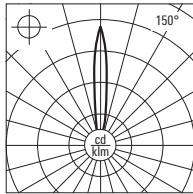
[W]	Part ID	Light source	K	lm*	cd max	Beam	°F**	lbs
ETC330-GB	611-3246	12 LED 12W/350 mA	3000	1242	1201	50°	88	15.0
[M]	Part ID	Light source	K	lm*	cd max	Beam	°F**	lbs
ETC330-GB	611-3226	12 LED 12W/350 mA	3000	1242	3204	30°	88	15.0
[VN]	Part ID	Light source	K	lm*	cd max	Beam	°F**	lbs
ETC330-GB	611-3220	12 LED 12W/350 mA	3000	1242	11194	12°	88	15.0
[VNS]	Part ID	Light source	K	lm*	cd max	Beam	°F**	lbs
ETC330-GB	611-3240	12 LED 12W/350 mA	3000	1242	44175	6°	88	15.0



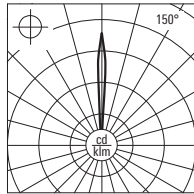
[W]



[M]



[VN]



[VNS]

* Nominal lumen output based on LED manufacturers data at 85°C T_j. For rated lumens at 25°C T_a and latest data, refer to www.we-ef.com.

** Operational surface temperature, based on ground temperature at 59°F.

ETC100 SERIES – FIXED OPTICS

Inground uplight. IP68 (submersible up to 10 m). Luminaire body and lens frame constructed from stainless steel including PCS hardware. Outer housing constructed from composite material. Standard finish, natural stainless steel. Clear tempered glass lens, max. load 5 tonnes. Silicone rubber gasket. Factory-sealed termination chamber with 3' of flexible 18/3 cable. 'No tool' removable gear tray assembly. Suitable for flush to grade installation in concrete or earth and for walk- or drive-over applications.

Factory-installed LED circuit board. LED boards can be easily removed for upgrading. PMMA LED lens array.

Requires remote [RT] mounted 120-12 volt AC Class 2 power supply, suitable for intended wattage (to be ordered separately).

Light source:
LED 3 W, 3000 K
(for 4000 K, refer to www.we-ef.com)

Beam distributions:
[M] [VN] [VNS]

Accessories:
■ Electrical, page 33
■ Mounting, page 33
■ Optical, page 38

UL, cUL:
■ Suitable for wet locations



Zeche Zollverein, Essen (D). Lighting design. Licht Kunst Licht AG. Landscape architect: Planergruppe GmbH Oberhausen.



[M] [VN] [VNS]

IOS Innovative Optical System:

[M] Symmetric distribution, medium beam

[VN] Symmetric distribution, very narrow beam

[VNS] Symmetric distribution, very narrow beam, 'sharp cut-off'

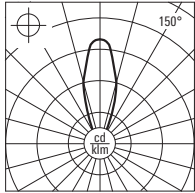


Ordering guide:

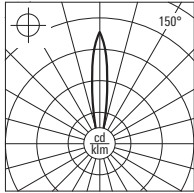
Specify 7 digit part ID together with suitable power supply.

Example: **611-1320 – 697-8060**

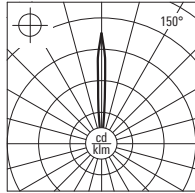
[M]	Part ID	Light source	K	lm*	cd max	Beam	°F**	lbs
ETC110	611-1320	3 LED 3W/350 mA	3000	312	671	34°	82	3.0
[VN]	Part ID	Light source	K	lm*	cd max	Beam	°F**	lbs
ETC110	611-1220	3 LED 3W/350 mA	3000	312	1984	16°	82	3.0
[VNS]	Part ID	Light source	K	lm*	cd max	Beam	°F**	lbs
ETC110	611-1120	3 LED 3W/350 mA	3000	312	8528	8°	82	3.0



[M]



[VN]



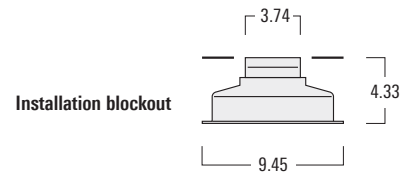
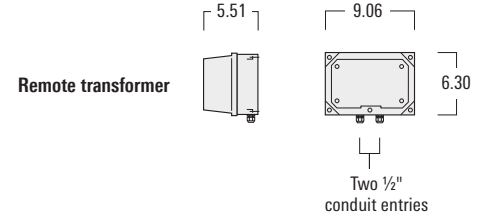
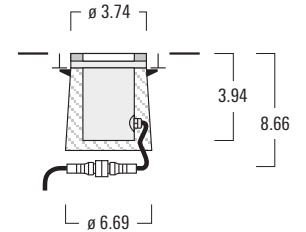
[VNS]

Accessories:

Remote transformer RT		Volts	Watt max.	lbs
for ETC110	697-8060	120-12 AC	24	8.0
	697-8061	120-12 AC	96	8.0
	697-8062	120-12 AC	240	8.0

Suitable for installation to horizontal or vertical surface. 120-12 V AC. Class 2, in exterior rated (DK2) enclosure. Two 1/2" conduit entries. Additional conduit entries can be provided on request. For remote distance specifications, refer to www.we-ef.com.

Reduced depth installation blackout – For restricted depth applications (optional).	lbs
for ETC110 611-8110	1.0



* Nominal lumen output based on LED manufacturers data at 85°C T_j. For rated lumens at 25°C T_a and latest data, refer to www.we-ef.com.

** Operational surface temperature, based on ground temperature at 59°F.

ETC100 SERIES – FIXED OPTICS

Inground uplight. IP67 (dust-tight and water-tight immersible). Luminaire body and lens frame constructed from stainless steel including PCS hardware. Outer housing constructed from composite material. Standard finish, natural stainless steel. Clear tempered glass lens, max. load 5 tonnes. Anodized aluminum reflector. Silicone rubber gasket. Factory-sealed termination chamber with 3' of flexible 18/3 cable. 'No tool' removable gear tray assembly. Suitable for flush to grade installation in concrete or earth and for walk- or drive-over applications.

ETC120: Integral [ECG] CMH ballast in 120 volt only.

ETC130: Integral [ECG] CMH ballast in 120 or 277 volt.

ETC140/150: Integral [ECG] CMH ballast in 120, 277 or 347 volt.

Specify voltage where applicable.

ASC Anti Slip Coating on a ceramic tempered glass lens, available on request. For details, refer to www.we-ef.com.

Light source:
CMH 20-150 W

Beam distributions:
[M] [VN]

Accessories:
■ Optical, page 39

UL, cUL:
■ Suitable for wet locations



Eleanor and Wilson Greatbatch Pavilion. Buffalo (USA). Architect: Toshiko Mori Architect, PLLC. Lighting design: ARUP Lighting.



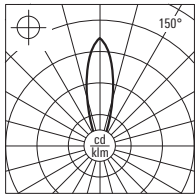
[M] [VN]

IOS Innovative Optical System:
[M] Symmetric distribution, medium beam
[VN] Symmetric distribution, very narrow beam

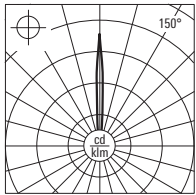
Ordering guide:
Specify 7 digit part ID together with voltage.
Example: 611-2050 – 120 V

[M]	Part ID	Light source	lm	cd max	Beam	°F*	lbs
ETC120	611-2050	CMH20/T-4/G-8.5 base	1650	3673	28°	165/---	6.0
	611-2040	CMH22/T-3.5/PGJ-5 base	1650	3673	28°	165/---	6.0
ETC130	611-3050	CMH39/T-6/G-12 base	3300	7461	24°	160/135	16.0
ETC140	611-4054	CMH70/T-6/G-12 base	6600	9095	38°	187/156	34.0
ETC150	611-5056	CMH100/T-6/G-12 base	9500	20283	28°	134/117	45.0
	611-5054	CMH150/T-6/G-12 base	14000	29456	26°	210/160	45.0

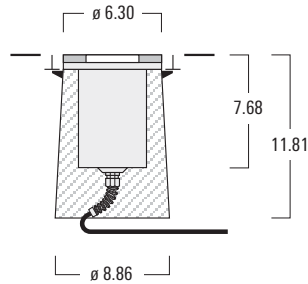
[VN]	Part ID	Light source	lm	cd max	Beam	°F*	lbs
ETC120	611-2051	CMH20/T-4/G-8.5 base	1650	25819	6°	176/---	6.0
	611-2041	CMH22/T-3.5/PGJ-5 base	1650	25819	6°	176/---	6.0
ETC130	611-3051	CMH39/T-6/G-12 base	3300	64799	6°	158/136	16.0
ETC140	611-4055	CMH70/T-6/G-12 base	6600	219028	6°	172/140	34.0
ETC150	611-5057	CMH100/T-6/G-12 base	9500	264708	6°	134/117	45.0
	611-5055	CMH150/T-6/G-12 base	14000	421120	6°	189/154	45.0



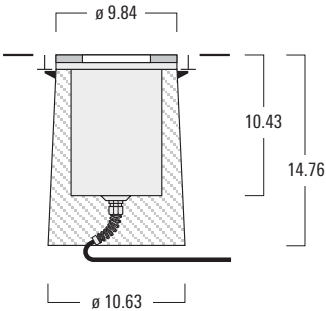
[M]



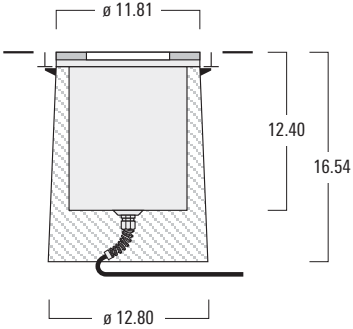
[VN]



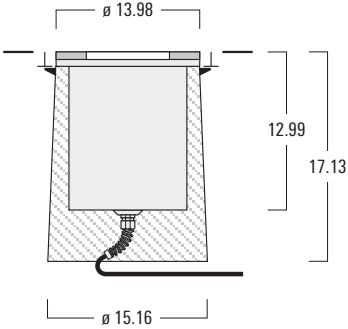
ETC120



ETC130



ETC140



ETC150

* Operational surface temperature based on ground temperature at 59°F: without CTA®/with CTA®.

ETC100 SERIES – WALLWASH

Inground uplight. IP67 (dust-tight and water-tight immersible). Luminaire body and lens frame constructed from stainless steel including PCS hardware. Outer housing constructed from composite material. Standard finish, natural stainless steel. Tempered glass lens, max. load 5 tonnes. Anodized aluminum reflector. Silicone rubber gasket. Factory-sealed termination chamber with 3' of flexible 18/3 cable. Suitable for flush to grade installation in concrete or earth and for walk- or drive-over applications.

ETC130: Integral [ECG] CMH ballast in 120 or 277 volt.

ETC140/ETC150: Integral [ECG] CMH ballast in 120, 277 or 347 volt.

Specify voltage where applicable.

ASC Anti Slip Coating on a ceramic tempered glass lens, available on request. For details, refer to www.we-ef.com.

Light source:
CMH 20-150 W

Beam distribution:
[A]

UL, cUL:
■ Suitable for wet locations



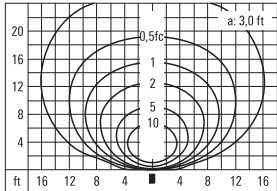
Drift Park. Rhyl, North Wales (UK). Landscape architects: Brock Carmichael Landscape Architects.



IOS Innovative Optical System:
[A] Asymmetric wallwash

Ordering guide:
Specify 7 digit part ID together with voltage.
Example: 611-3451 – 120 V

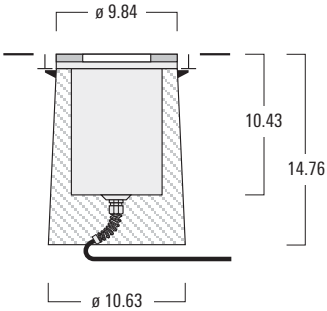
[A]	Part ID	Light source	lm	Factor*	°F**	lbs
ETC130	611-3451	CMH20/T-6/G-12 base	1600	0.24	109	16.0
	611-3450	CMH39/T-6/G-12 base	3300	0.50	151	16.0
ETC140	611-4454	CMH39/T-6/G-12 base	3300	0.50	109	34.0
	611-4451	CMH70/T-6/G-12 base	6600	1.00	162	34.0
ETC150	611-5454	CMH100/T-6/G-12 base	9500	1.44	154	45.0
	611-5453	CMH150/T-6/G-12 base	14000	2.12	171	45.0



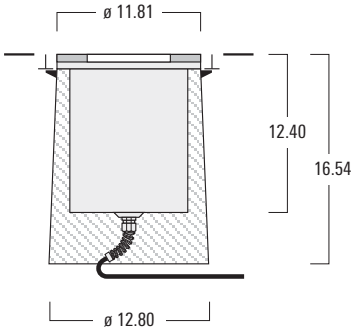
[A]



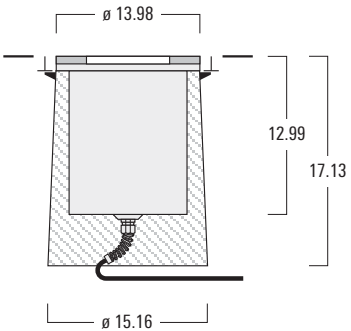
ETC130



ETC140



ETC150



* Multiplier for footcandle value.
** Operational surface temperature, based on ground temperature at 59°F.

OPTICAL ACCESSORIES FOR ETC100/300 SERIES – LED

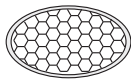
Gimbal LED

One internal optical accessory such as flood or spread lens, or louver.

Flood lens IO-360	
for ETC120-GB LED	611-8027
for ETC130-GB LED/ETC330-GB LED	611-8037
for ETC140-GB LED	611-8047

Linear spread lens IO-180	
for ETC120-GB LED	611-8028
for ETC130-GB LED/ETC330-GB LED	611-8038
for ETC140-GB LED	611-8048

Honeycomb louver IW*	
for ETC120-GB LED	611-8224
for ETC130-GB LED/ETC330-GB LED	611-8036
for ETC140-GB LED	611-8046



Honeycomb louver IW



Flood lens IO-360

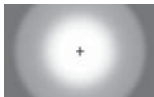


Linear spread lens IO-180

Medium beam



with IO-360



Medium beam



with IO-180



Fixed Optics LED

One internal optical accessory such as flood or spread lens.

Flood lens IO-360	
for ETC110	667-8117

Linear spread lens IO-180	
for ETC110	611-8116

* Not suitable for [W] version.

OPTICAL ACCESSORIES FOR ETC100/ESC100 SERIES – HID

Gimbal HID

A maximum of two internal optical accessories such as flood or spread lens, or color filter.

Flood lens IO-360				
for ETC130-GB	611-8166			
for ETC140-GB	611-8176			
Linear spread lens IO-180				
for ETC130-GB	611-8165			
for ETC140-GB	611-8175			
Color filter IF	Red	Green	Blue	Yellow
for ETC130-GB	611-8163	611-8162	611-8161	611-8164
for ETC140-GB	611-8173	611-8172	611-8171	611-8174



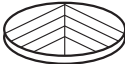
Flood lens IO-360



Linear spread lens IO-180



Directional lens IO-6



Directional lens IO-20



Color filter IF



Linear louver IL



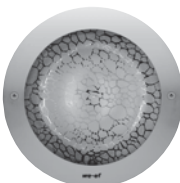
Concentric louver IR



Source shield IQ



CTA® Cool Touch Adaptor



Optional slip resistant ASC coating

Fixed Optics HID

ETC120: One internal optical accessory such as flood or spread lens, directional lens, linear louver, or color filter.

ETC130/140/150 ESC130/140: A maximum of three internal optical accessories such as flood or spread lens, directional lens, color filter, concentric or linear louver, or source shield.

Flood lens IO-360	
for ETC120	611-8127
for ETC130/ESC130	611-8137
for ETC140/ ESC140	611-8147
for ETC150	611-8157
Linear spread lens IO-180	
for ETC120	611-8126
for ETC130/ESC130	611-8136
for ETC140/ESC140	611-8146
for ETC150	611-8156

Directional lens IO-6	
for ETC120	611-8128
for ETC130/ESC130	611-8138
for ETC140/ESC140	611-8148
for ETC150	611-8158

Directional lens IO-20	
for ETC120	611-8129
for ETC130/ESC130	611-8139
for ETC140/ESC140	611-8149
for ETC150	611-8159

Color filter IF	Red	Green	Blue	Yellow
for ETC120	611-8123	611-8122	611-8121	611-8124
for ETC130/ESC130	611-8133	611-8132	611-8131	611-8134
for ETC140/ESC140	611-8143	611-8142	611-8141	611-8144
for ETC150	611-8153	611-8152	611-8151	611-8154

Linear louver IL	
for ETC120 [M]	611-8220
for ETC130/ESC130 [M]	611-8230
for ETC140/ESC140 [M]	611-8240
for ETC150 [M]	611-8250

Concentric louver IR	
for ETC120 [VN]	611-8222
for ETC130/ESC130 [VN]	611-8232
for ETC140/ESC140 [VN]	611-8242
for ETC150 [VN]	611-8252

Source shield IQ	
for ETC130/ESC130 [VN]	611-8231
for ETC140/ESC140 [VN]	611-8241
for ETC150 [VN]	611-8251

CTA® Cool Touch Adaptor	
for ETC130/ESC130	611-8030
for ETC140/ESC140	611-8040
for ETC150	611-8050

ETR100 SERIES – MARKER LIGHT

Inground luminaire for orientation. IP67 (dust-tight and water-tight immersible).

Luminaire body constructed from marine-grade aluminum alloy. Lens frame constructed from stainless steel including PCS hardware. Outer housing constructed from stainless steel and anodized aluminum. Standard finish, natural stainless steel. Clear tempered glass lens, max. load 5 tonnes, with internal white ceramic glazing. Silicone rubber gasket. Factory-sealed termination chamber with 3' of flexible 18/3 cable. Suitable for walk- or drive-over applications in concrete.

Integral [ECG] electronic LED driver in 120 volt only.

ASC Anti Slip Coating on a ceramic tempered glass lens, available on request. For details, refer to www.we-ef.com.

Light source:

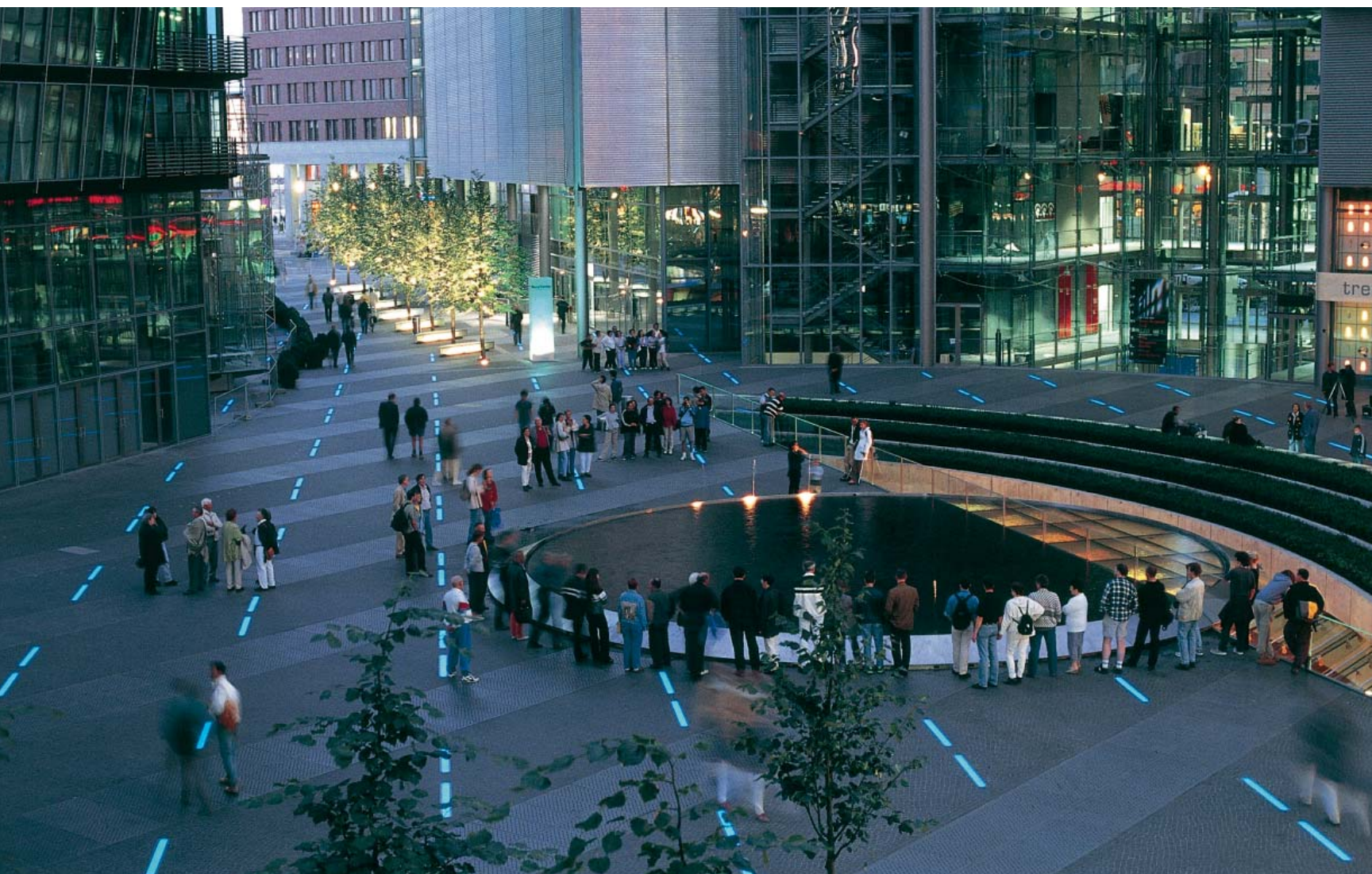
LED 9-27 W, 5000 K

Beam distribution:

Diffused

UL, cUL:

■ Suitable for wet locations



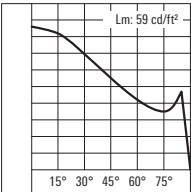
SonyCenter. Berlin (D). Architect: Murphy/Jahn. Lighting design: L'Observatoire International.

Ordering guide:

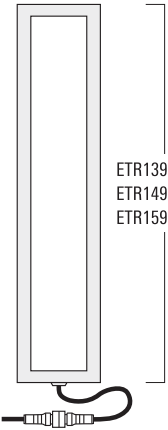
Specify 7 digit part ID together with voltage.

Example: 612-3926 – 120 V

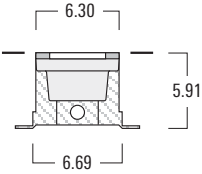
Diffused	Part ID	Light source	K	Lm [cd/ft²]	lbs
ETR139	612-3926	72 LED 9.0 W	5000	59	32.0
ETR149	612-4926	144 LED 18.0 W	5000	59	52.0
ETR159	612-5926	216 LED 27.0 W	5000	59	71.0



Diffused



ETR139: 22.44
ETR149: 39.96
ETR159: 57.68



ETR100 SERIES – MARKER LIGHT

Inground luminaire for orientation. IP67 (dust-tight and water-tight immersible). Luminaire body constructed from marine-grade aluminum alloy. Lens frame constructed from stainless steel including PCS hardware. Outer housing constructed from stainless steel and anodized aluminum. Standard finish, natural stainless steel. Clear tempered glass lens, max. load 5 tonnes, with internal white ceramic glazing. Silicone rubber gasket. Factory-sealed termination chamber with 3' of flexible 18/3 cable. Suitable for walk- or drive-over applications in concrete.

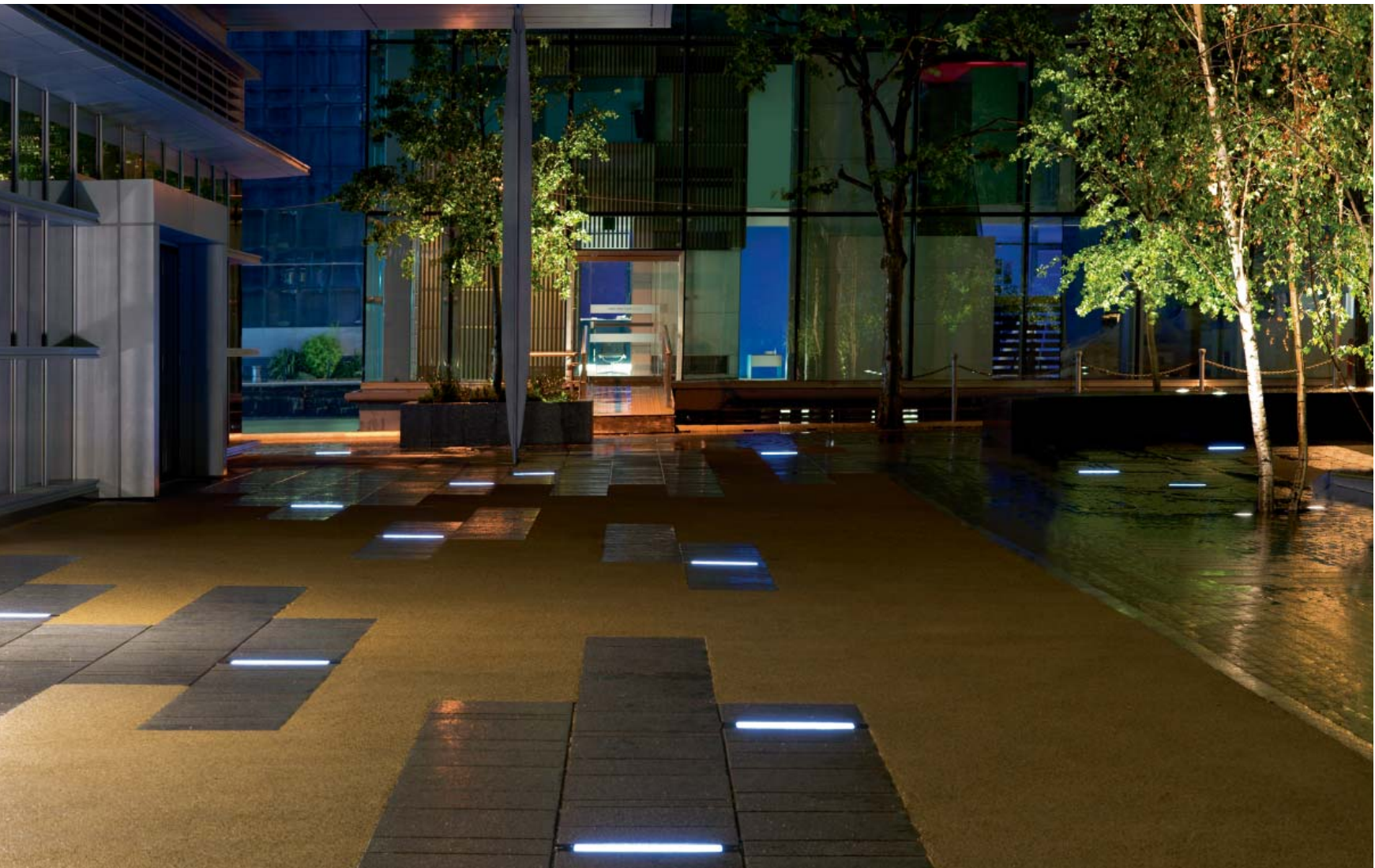
Integral [ECG] electronic fluorescent ballast in 120 or 277 volt. Specify voltage.

ASC Anti Slip Coating on a ceramic tempered glass lens, available on request. For details, refer to www.we-ef.com.

Light source:
FL T5 21-39 W

Beam distribution:
Diffused

UL, cUL:
■ Suitable for wet locations



Pan Peninsula Canary Wharf. London (UK). Architect: SOM. Landscape architect: Urban Land Studios. Lighting design: MBLD.

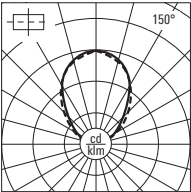
Ordering guide:

Specify 7 digit part ID together with voltage.

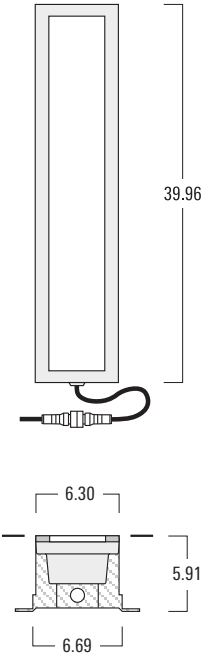
Example: 612-4931 – 120 V



Diffused	Part ID	Light source	lm	cd max	C ₀ C ₁₈₀	C ₉₀ C ₂₇₀	lbs
ETR149	612-4931	F21/T5/G5 base	1900	454	41°/41°	44°/44°	71.0
	612-4932	F39/T5/HO/G5 base	3100	741	41°/41°	44°/44°	71.0



Diffused



ETR100 SERIES – WALLWASH

Inground uplight. IP67 (dust-tight and water-tight immersible). Luminaire body constructed from marine-grade aluminum alloy. Lens frame constructed from stainless steel including PCS hardware. Outer housing constructed from stainless steel and anodized aluminum. Standard finish, natural stainless steel. Clear tempered glass lens, max. load 5 tonnes, with 50% internal white ceramic glazing. Anodized aluminum reflector with 6° or 20° tilt. Silicone rubber gasket. Factory-sealed termination chamber with 3' of flexible 18/3 cable. Suitable for walk- or drive-over applications in concrete.

Integral [ECG] electronic fluorescent ballast in 120 or 277 volt. Specify voltage.

ASC Anti Slip Coating on a ceramic tempered glass lens, available on request. For details, refer to www.we-ef.com.

Light source:
FL T5 21-39 W

Beam distributions:
[A6] [A20]

UL, cUL:
■ Suitable for wet locations



WE-EF Technical Center. Berlin (D).

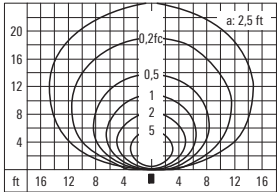


IOS Innovative Optical System:
[A6] [A20] Asymmetric distribution, 6° or 20° wallwash

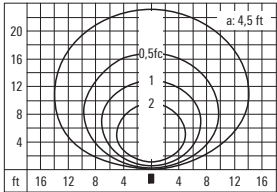
Ordering guide:
Specify 7 digit part ID together with voltage.
Example: **612-4031 – 120 V**

[A6]	Part ID	Light source	lm	F*	lbs
ETR140	612-4031	F21/T5/G5 base	1900	1.00	71.0
	612-4032	F39/T5/HO/G5 base	3100	1.63	71.0

[A20]	Part ID	Light source	lm	F*	lbs
ETR140	612-4033	F21/T5/G5 base	1900	1.00	71.0
	612-4034	F39/T5/HO/G5 base	3100	1.63	71.0



[A6]



[A20]

