

Urban Contemporary PRO

Montage: Stolptopp

CREE Urban Circular Pro är en stilren LED-armatur utformad för gator och parkmiljöer där armaturdesign, utseende och belysningsprestanda har en betydande roll i projektet. Armaturserien kännetecknas av stor flexibilitet när det gäller olika ljusbilder, ljusflöde, färgtemperatur, montage och kontrollsystem.

Låt CREE Urban Circular PRO göra världen lite ljusare – med stil, flexibilitet och omtanke på människor och natur!.

Användningsområden:

Historiska stadsmiljöer, moderna urbana områden, torg och parker, bostadsgator och gångvägar.

Tillgänglig med NanoComfort® precisionsoptik

Verkningsgrad: Upp till 160 lm/W

Initialt levererade LED-lumen: Upp till 12 900 lm

Garanti: 5 år för armaturen



Ordering Information

Eg: CNEA-F-K07-4L-407--A-BK-S-S-S-01+ S13DSF0-FX001

CNEA	- F	- K07	- 4L	- 407	- +	- A	- BK	- S	- S	- S	- 01
Product	Mounting	Optic	Lumen Package	CCT	Insulation Class	Voltage	Finish	Options	Variant	Protection	Cable length
CNEA Contemporary ECO Version A	F Post - Top	K07 NanoComfort Narrow Street	4L	228** 2200K CRI80	+ Class 1	A 220-240V	BK Black	S*** Standard program	S No socket / No sensor	S By Driver	01 Exit Cable 0.5m l w/o
		075 Narrow Street 0.75 (T2S)	8L	278** 2700K CRI80	+ Class 2		CI** Classic Ivory	C Custom program		U 10kV	
		K10 NanoComfort Medium Street	12L*	307** 3000K CRI70			HB** Heritage Brown			SF Fuse	
		100 Medium Street 1.00 (T2S)		308 3000K CRI80			B6** Brutalist Grey			UF 10kV+Fuse	
		K12 NanoComfort Broad Street		407 4000K CRI70			LG** Landscape Green				
		125 Comfort Street 1.25 (T2S)									
		150 Wide Street 1.50 (T3S)									
		200 Extra Wide Street 2.00 (T4S)									
		SCP Street & Cycle Path class P (T2S)									
		C12 125 Center Road (T2S)									
		ABS 150 Bi-Symmetric Area (T4S)									

Nordic LED AB

Honungsgatan 4
432 48 S-Varberg
Tel +46 340 7790 01

Info@nordicled.com www.nordicled.com

*Bara i Class I

**På begäran

***Välj program från listan över standarder

FEATURES

- Available with NanoComfort® precision optical system
- LED Lumen output up to 12900lm
- Zhaga Book 15 compliant LED module efficiency (excluding optical system): ≥ 185 lm/W
- Luminaire efficiency (including optical losses): up to 160 lm/W
- CCT: 4000K Ra70, 3000K Ra80 (2200K, 2700K, 3000K Ra70, on request)
- Initial Chromatic Selection: ≤ 4 -Step MacAdam ellipse or $\Delta u'v' \leq 0.003$ (LM80:08)
- Colour variation at 6,000 hours: ≤ 7 -Step MacAdam ellipse or $\Delta u'v' \leq 0.007$ (LM80:08)
- Luminous flux maintenance factor: L97B10 up to $>100,000$ hours $T_a=25^\circ\text{C}$ (According to IESNA TM-21)
- Degree of protection: ECO Version IP66/IK09, Plus Version IP65/IK09
- Overvoltage protection: up to 10kV CM/DM
- Driver r equipped with over-temperature protection for optimal performance and safety
- Operating temperature: -40°C up to $+50^\circ\text{C}$
- Control Options: Virtual Midnight, Costant Flux,
- Backlight accessory available for selected lenses

CONSTRUCTION AND MATERIALS

- Die-cast aluminum body
- 4mm thick ultra clear transparent glass protection screen
- Replaceable PMMA lenses
- Replaceable LED board equipped with ESD protection
- Cable type H07RN-F (Cable length up to 50cm)
- Easy installation
- Practicality in ordinary and extraordinary maintenance
- Luminaire assembled without the use of adhesives, completely disassembled and recyclable
- High resistance powder coating with increased anti-ageing and anti-corrosion performance for long weathering and reliability
- Luminaire is designed to mount directly to 60mm or 76mm outer dimension tenons or poles

WARRANTY AND CERTIFICATIONS

- Warranty: 5 years
- CE /CB /RoHS /RCM
- Risk group exempt
- Compliant to: EN 60598-1; EN 60598-2-3
- Lead-free powder coatings with excellent exterior durability, conforms to the requirements:
 - Adhesion - test comply with ISO 2409
 - Salt spray - test NSS comply with ISO 9227
 - Accelerated Weathering - test UV comply with ISO 16474-2 (ex ISO 11507)
 - Constant humidity - test comply with ISO 6270-1

ELECTRICAL DATA*

Lumen Package	System Watts 220-240V	Total Current	Power Factor
		@230V, 50Hz	
4L	29W	0.14	0.91
8L	55W	0.26	0.95
12L	80W	0.37	0.95

* Electrical data at 25°C (77°F)LMF LUXEON - RECOMMENDED LUMEN MAINTENANCE FACTORS (LMF)¹

Ambient	LMF iniziale	25K hr Projected ² LMF	50K hr Projected ² LMF	75K hr Calculated ³ LMF	100K hr Calculated ³ LMF
25°C	1	0,97	0,94	0,92	0,90

LMF DURIS - RECOMMENDED LUMEN MAINTENANCE FACTORS (LMF)¹

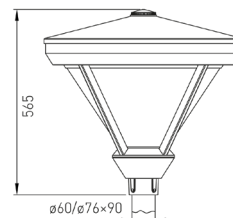
Ambient	LMF iniziale	25K hr Projected ² LMF	50K hr Projected ² LMF	75K hr Calculated ³ LMF	100K hr Calculated ³ LMF
25°C	1	0,99	0,98	0,98	0,97

¹Lumen maintenance values calculated at 25°C , with TM-21 based on LM-80 data and on-site testing. DURIS for optics SCP, 150 and LUXEON for 075, 100, 125 - 200 - AFN - ARS - K07 - K10 - K12 optics²In accordance with IESNA TM-21-11, the values shown in the "projected" column represent interpolated and arc values within six times (6X) the total duration in hours of the tests (performed according to IESNA LM-80-08) to which the device has been subjected ((DUT) e.g. the LED chip).³In accordance with IESNA TM-21-11, the values shown in the column "calculated" are calculated based on a time span greater than six times (6X) the total duration in hours of the tests (performed according to IESNA LM-80-08) to which the device has been subjected ((DUT) e.g. the LED chip).

MOUNTING OPTION

F
POST-TOP

DIMENSIONS



Weight: 10.6kg

ECO Version - Control options for variant S

S - STANDARD PROGRAM - FIXED OUTPUT - OPTICS K07-K10-K12-075-100-125-200-C12					
Setting Code	System Watts W	Nominal flux (lm)			Description
		3000K Ra80	3000K Ra70	4000K Ra70	
LUMEN PACKAGE 4L					
S13DSA0-FX001	29 W	4336	4624	4809	FIXED 1050MA MAX 29W
S13DSA0-FX002	19 W	3030	3231	3360	FIXED 700MA MAX 19W
S13DSA0-FX003	13 W	2246	2396	2491	FIXED 500MA MAX 13W
S13DSA0-FX004	9 W	1567	1671	1738	FIXED 350MA MAX 9W
LUMEN PACKAGE 8L					
S13HSA0-FX001	55 W	8411	8969	9328	FIXED 1050MA MAX 55W
S13HSA0-FX002	36 W	5988	6386	6641	FIXED 700MA MAX 36W
S13HSA0-FX003	27 W	4626	4933	5130	FIXED 525MA MAX 27W
LUMEN PACKAGE 12L					
S13LSA0-FX001	80 W	12227	13038	13560	FIXED 1050MA MAX 80W
S13LSA0-FX002	52 W	8705	9283	9654	FIXED 700MA MAX 52W
S13LSA0-FX003	39 W	6725	7171	7458	FIXED 525MA MAX 39W
S - STANDARD PROGRAM - FIXED OUTPUT - OPTICS 150-ABS-SCP					
Setting Code	System Watts W	Nominal flux (lm)			Description
		3000K Ra80	3000K Ra70	4000K Ra70	
LUMEN PACKAGE 4L					
S13DSA0-FX001	29 W	3914	4383	4607	FIXED 1050MA MAX 29W
S13DSA0-FX002	19 W	2735	3063	3219	FIXED 700MA MAX 19W
S13DSA0-FX003	13 W	2028	2271	2387	FIXED 500MA MAX 13W
S13DSA0-FX004	9 W	1415	1584	1665	FIXED 350MA MAX 9W
LUMEN PACKAGE 8L					
S13HSA0-FX001	55 W	7583	8492	8926	FIXED 1050MA MAX 55W
S13HSA0-FX002	36 W	5399	6046	6355	FIXED 700MA MAX 36W
S13HSA0-FX003	27 W	4171	4670	4909	FIXED 525MA MAX 27W
LUMEN PACKAGE 12L					
S13LSA0-FX001	80 W	11029	12351	12983	FIXED 1050MA MAX 80W
S13LSA0-FX002	52 W	7853	8793	9243	FIXED 700MA MAX 52W
S13LSA0-FX003	39 W	6066	6793	7140	FIXED 525MA MAX 39W

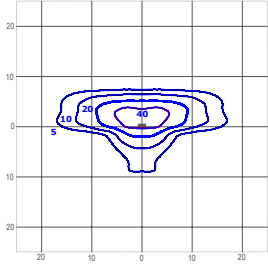
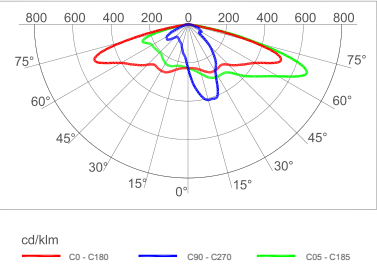
ECO Version - Control options for variant S

S - STANDARD PROGRAM - VIRTUAL MIDNIGHT - OPTICS K07-K10-K12-075-100-125-200-C12									
Setting Code	W Max	Nominal flux (lm)			W Min	Nominal flux (lm)			Description
		3000K Ra80	3000K Ra70	4000K Ra70		3000K Ra80	3000K Ra70	4000K Ra70	
LUMEN PACKAGE 4L									
S13DSA0-VM001	29 W	4336	4624	4809	19 W	3030	3231	3360	VM ON-1050MA 29W / 00:00-700MA 19W / 06:00-1050MA 29W
S13DSA0-VM002	19 W	3030	3231	3360	13 W	2246	2396	2491	VM ON-700MA 19W / 00:00-500MA 13W / 06:00-700MA 19W
S13DSA0-VM003	13 W	2246	2396	2491	9 W	1567	1671	1738	VM ON-500MA 13W / 00:00-350MA 9W / 06:00-500MA 13W
S13DSA0-VM004	9 W	1567	1671	1738	7 W	1149	1226	1275	VM ON-350MA 9W / 00:00-250MA 7W / 06:00-350MA 9W
LUMEN PACKAGE 8L									
S13HSA0-VM001	55 W	8411	8969	9328	36 W	5988	6386	6641	VM ON-1050MA 55W / 00:00-700MA 36W / 06:00-1050MA 55W
S13HSA0-VM002	36 W	5988	6386	6641	24 W	4177	4454	4632	VM ON-700MA 36W / 00:00-470MA 24W / 06:00-700MA 36W
S13HSA0-VM003	27 W	4626	4933	5130	19 W	3167	3377	3512	VM ON-525MA 27W / 00:00-350MA 19W / 06:00-525MA 27W
LUMEN PACKAGE 12L									
S13LSA0-VM001	80 W	12227	13038	13560	52 W	8705	9283	9654	VM ON-1050MA 80W / 00:00-700MA 52W / 06:00-1050MA 80W
S13LSA0-VM002	52 W	8705	9283	9654	35 W	6072	6475	6734	VM ON-700MA 52W / 00:00-470MA 35W / 06:00-700MA 52W
S13LSA0-VM003	39 W	6725	7171	7458	27 W	4603	4909	5105	VM ON-525MA 39W / 00:00-350MA 27W / 06:00-525MA 39W
S - STANDARD PROGRAM - VIRTUAL MIDNIGHT - OPTICS 150-ABS-SCP									
Setting Code	W Max	Nominal flux (lm)			W Min	Nominal flux (lm)			Description
		3000K Ra80	3000K Ra70	4000K Ra70		3000K Ra80	3000K Ra70	4000K Ra70	
LUMEN PACKAGE 4L									
S13DSA0-VM001	29 W	3914	4383	4607	19 W	2735	3063	3219	VM ON-1050MA 29W / 00:00-700MA 19W / 06:00-1050MA 29W
S13DSA0-VM002	19 W	2735	3063	3219	13 W	2028	2271	2387	VM ON-700MA 19W / 00:00-500MA 13W / 06:00-700MA 19W
S13DSA0-VM003	13 W	2028	2271	2387	9 W	1415	1584	1665	VM ON-500MA 13W / 00:00-350MA 9W / 06:00-500MA 13W
S13DSA0-VM004	9 W	1415	1584	1665	7 W	1037	1162	1221	VM ON-350MA 9W / 00:00-250MA 7W / 06:00-350MA 9W
LUMEN PACKAGE 8L									
S13HSA0-VM001	55 W	7583	8492	8926	36 W	5399	6046	6355	VM ON-1050MA 55W / 00:00-700MA 36W / 06:00-1050MA 55W
S13HSA0-VM002	36 W	5399	6046	6355	24 W	3766	4217	4433	VM ON-700MA 36W / 00:00-470MA 24W / 06:00-700MA 36W
S13HSA0-VM003	27 W	4171	4670	4909	19 W	2855	3197	3361	VM ON-525MA 27W / 00:00-350MA 19W / 06:00-525MA 27W
LUMEN PACKAGE 12L									
S13LSA0-VM001	80 W	11029	12351	12983	52 W	7853	8793	9243	VM ON-1050MA 80W / 00:00-700MA 52W / 06:00-1050MA 80W
S13LSA0-VM002	52 W	7853	8793	9243	35 W	5477	6133	6447	VM ON-700MA 52W / 00:00-470MA 35W / 06:00-700MA 52W
S13LSA0-VM003	39 W	6066	6793	7140	27 W	4153	4650	4888	VM ON-525MA 39W / 00:00-350MA 27W / 06:00-525MA 39W

Photometry

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K07 - Narrow Street



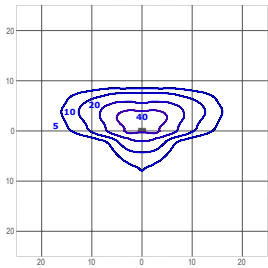
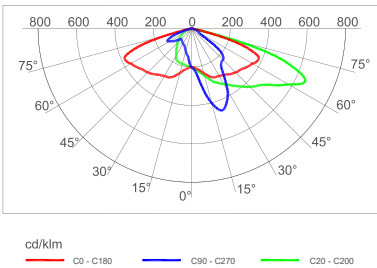
LUMEN OUTPUT - K07 (Narrow Street)			
Lumen Package	3000K Ra80	3000K Ra70	4000K Ra70
	Initial Delivered Lumens*	Initial Delivered Lumens*	Initial Delivered Lumens*
4L	3938	4199	4367
8L	7638	8145	8470
12L	11103	11840	12313

* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -4 and +10% of initial delivered lumens

Test Report #: 403-QL22-R05

AREA-S-K07-8L-407
Mounting Height: 6m

K10 - Medium Street



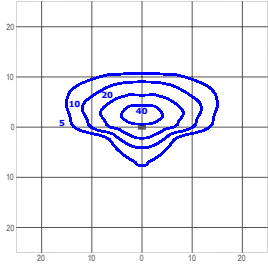
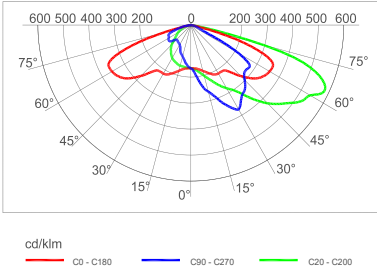
LUMEN OUTPUT - K10 (Medium Street)			
Lumen Package	3000K Ra80	3000K Ra70	4000K Ra70
	Initial Delivered Lumens*	Initial Delivered Lumens*	Initial Delivered Lumens*
4L	3941	4203	4371
8L	7645	8152	8478
12L	11114	11851	12325

* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -4 and +10% of initial delivered lumens

Test Report #: 403-QL22-R06

AREA-S-K10-8L-407
Mounting Height: 6m

K12 - Broad Street



LUMEN OUTPUT - K12 (Broad Street)			
Lumen Package	3000K Ra80	3000K Ra70	4000K Ra70
	Initial Delivered Lumens*	Initial Delivered Lumens*	Initial Delivered Lumens*
4L	3858	4114	4278
8L	7483	7980	8299
12L	10878	11600	12064

* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -4 and +10% of initial delivered lumens

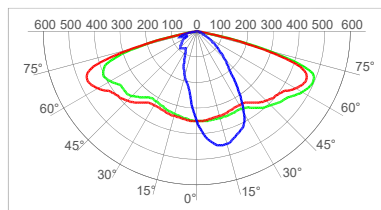
Test Report #: 403-QL22-R07

AREA-S-K12-8L-407
Mounting Height: 6m

Photometry

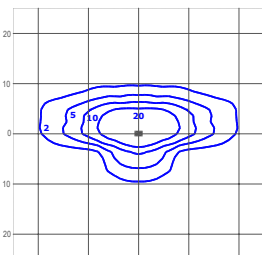
All published luminaire photometric testing performed by an external certified ISO 17025 laboratory.
To obtain an IES file specific to your project consult: www.creelighting-europe.com

075 - Type II Short



cd/klm
C0 - C180 C90 - C270 C2.5 - C182.5

Test Report #: 403-QL22-R04



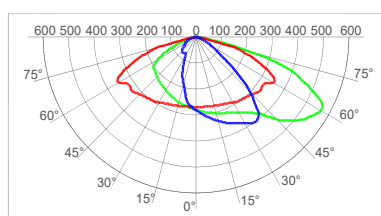
lux
KTEA-S-075-8L-407
Mounting Height: 6m

LUMEN OUTPUT - 075 (Type II Short)

Lumen Package	3000K Ra80	3000K Ra70	4000K Ra70
	Initial Delivered Lumens*	Initial Delivered Lumens*	Initial Delivered Lumens*
4L	3724	3971	4129
8L	7223	7702	8010
12L	10500	11196	11644

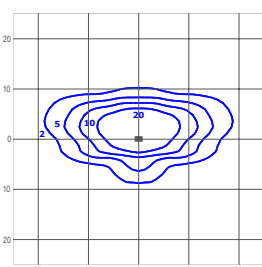
* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -4 and +10% of initial delivered lumens

100 - Type II Short



cd/klm
C0 - C180 C90 - C270 C20 - C200

Test Report #: 403-QL22-R03



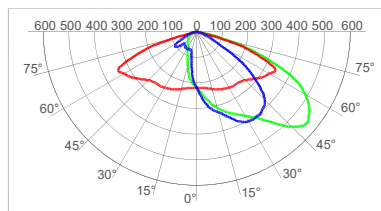
lux
KTEA-S-100-8L-407
Mounting Height: 6m

LUMEN OUTPUT - 100 (Type II Short)

Lumen Package	3000K Ra80	3000K Ra70	4000K Ra70
	Initial Delivered Lumens*	Initial Delivered Lumens*	Initial Delivered Lumens*
4L	3701	3947	4105
8L	7180	7656	7962
12L	10437	11129	11575

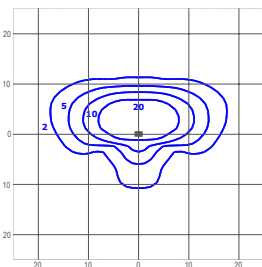
* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -4 and +10% of initial delivered lumens

125 - Type II Short



cd/klm
C0 - C180 C90 - C270 C35 - C215

Test Report #: 403-QL22-R02



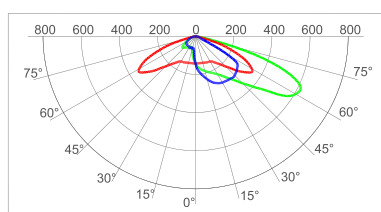
lux
KTEA-S-125-8L-407
Mounting Height: 6m

LUMEN OUTPUT - 125 (Type II Short)

Lumen Package	3000K Ra80	3000K Ra70	4000K Ra70
	Initial Delivered Lumens*	Initial Delivered Lumens*	Initial Delivered Lumens*
4L	3742	3990	4150
8L	7259	7740	8050
12L	10552	11252	11702

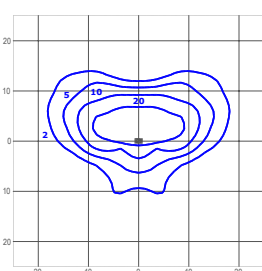
* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -4 and +10% of initial delivered lumens

150 - Type III Short



cd/klm
C0 - C180 C90 - C270 C27.5 - C207.5

Test Report #: 238-QL22-R11



lux
KTEA-S-150-8L-407
Mounting Height: 6m

LUMEN OUTPUT - 150 (Type III Short)

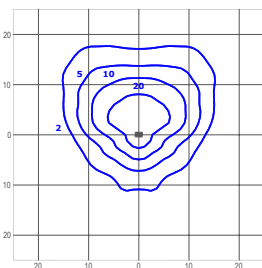
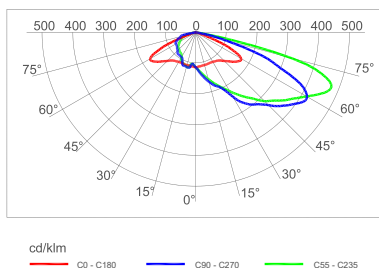
Lumen Package	3000K Ra80	3000K Ra70	4000K Ra70
	Initial Delivered Lumens*	Initial Delivered Lumens*	Initial Delivered Lumens*
4L	3398	3805	4000
8L	6584	7373	7750
12L	9576	10723	11272

* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -4 and +10% of initial delivered lumens

Photometry

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200 - Type II Short



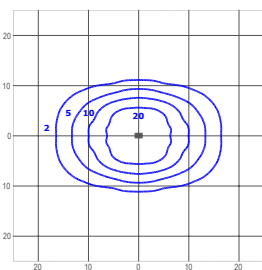
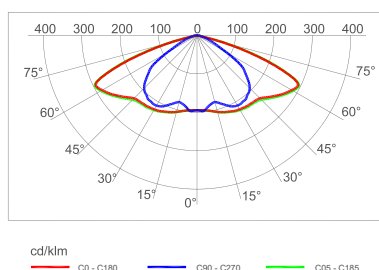
LUMEN OUTPUT - 200 (Type II Short)			
Lumen Package	3000K Ra80	3000K Ra70	4000K Ra70
	Initial Delivered Lumens*	Initial Delivered Lumens*	Initial Delivered Lumens*
4L	3684	3929	4086
8L	7146	7620	7925
12L	10388	11077	11520

* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -4 and +10% of initial delivered lumens

Test Report #: 1408-QL20-R05

KTEA-S-200-8L-407
Mounting Height: 6m

C12 - Type II Short



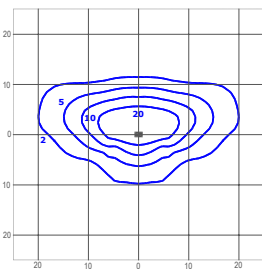
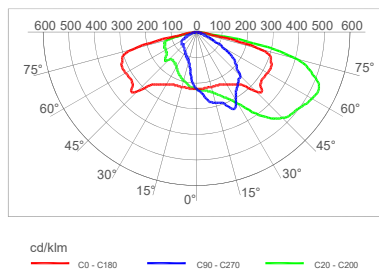
LUMEN OUTPUT - 125 CENTER ROAD			
Lumen Package	3000K Ra80	3000K Ra70	4000K Ra70
	Initial Delivered Lumens*	Initial Delivered Lumens*	Initial Delivered Lumens*
4L	3742	3990	4150
8L	7258	7740	8049
12L	10551	11251	11701

* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -4 and +10% of initial delivered lumens

Test Report #: 403-QL22-R01

KTEA-S-C12-8L-407
Mounting Height: 6m

SCP - Type II Short



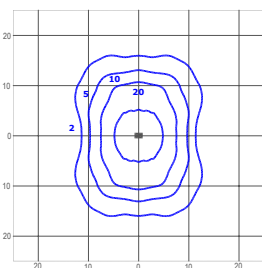
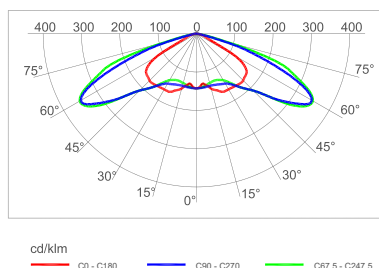
LUMEN OUTPUT - SCP (Type II Short)			
Lumen Package	3000K Ra80	3000K Ra70	4000K Ra70
	Initial Delivered Lumens*	Initial Delivered Lumens*	Initial Delivered Lumens*
4L	3323	3722	3912
8L	6439	7211	7580
12L	9365	10487	11024

* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -4 and +10% of initial delivered lumens

Test Report #: 238-QL22-R14

KTEA-S-SCP-8L-407
Mounting Height: 6m

ABS - Type IV Short



LUMEN OUTPUT - ABS Bi-Symmetric Area			
Lumen Package	3000K Ra80	3000K Ra70	4000K Ra70
	Initial Delivered Lumens*	Initial Delivered Lumens*	Initial Delivered Lumens*
4L	3412	3821	4016
8L	6610	7402	7781
12L	9614	10766	11317

* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -4 and +10% of initial delivered lumens

Test Report #: 238-QL22-R10

KTEA-S-ABS-8L-407
Mounting Height: 6m