CONTEMPORARY PRO

CONTEMPORARY PRO - LED Lantern

Product Description

Complete series of LED luminaires with a diversified design, conceived for city beautification and urban lighting projects. Each lantern model is characterized by a distinct style; Contemporary Pro stands out for its elegant and streamlined design, an ideal choice for elevating the aesthetic standards of any urban setting.
Cree Lighting Urban Series Pro luminaires allow for immediate nominal energy savings of 70% or more, compared to traditional technologies (such as sodium and iodide lamps), while also providing better quality of light for a comfortable environment with a greater feeling of safety.

Applications: Historic urban settings, modern urban areas, plazas and parks, residental roadways and walkways

Performance Summary

Available with **NanoComfort®** precision optical system

Initial Delivered LED Lumens: up to 12900 lm

Efficacy: up to 160lm/W

Limited Warranty: 5 years on luminaire
Extended warranty (up to 10 years) available for approved projects. Contact ADLT for further information.

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 **075** Narrow Street 0.75 (T2S) **K10** NanoComfort Medium Street **100** Medium Street 1.00 (T2S) **K12** NanoComfort Broad Street **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)	-	**4L** **8L** **12L***	-	**228**** 2200K CRI80 **278**** 2700K CRI80 **307**** 3000K CRI70 **308** 3000K CRI80 **407** 4000K CRI70	-	**+** Class 1 **^** Class 2	-	**A** 220-240V	-	**BK** Black **CI**** Classic Ivory **HB**** Heritage Brown **BG**** Brutalist Grey **LG**** Landscape Green	-	**S***** Standard program **C** Custom program	-	**S** No socket / No sensor	-	**S** By Driver **U** 10kV	-	**01** Exit Cable 0.5m (w\o

*Only in class I
**On request
*** Choose Program from standards listed

Other optics available

Advanced Lighting Technologies Australia Inc — Australia — +61 3 9800 5600 — www.adlt.com.au
Advanced Lighting Technologies New Zealand Ltd — New Zealand — +64 9 415 6332 — www.adlt.co.nz
Advanced Lighting Technologies Asia Pte Ltd — Singapore — +65 6844 2338 — www.adlt.com.sg

Rev. Date: 24 February 2023

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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 Δu'v' ≤ 0.003 (LM80:08)
- Colour variation at 6,000 hours: ≤ 7-Step MacAdam ellipse or Δu'v' ≤ 0.007 (LM80:08)
- Luminous flux maintenance factor: L97B10 up to >100,000 hours Ta=25°C (According to IESNA TM-21)
- Degree of protection: ECO Version IP66/IK09, Plus Version IP65/IK09
- Overvoltage protection: up to10kV CM/DM
- Driver r equipped with over-temperature protection for optimal performance and safety
- Operating temperature: -40°C up to +50°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
  - Accelarated 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 @230V, 50Hz	Power Factor
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

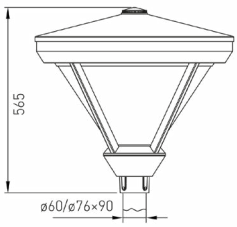
[1]Lumen maintenance values calculated at 25° C, with TM-21 based on LM-80 data and on-site testing. DURIS for optics SCP, 150 and LUXEON for 075, 100, 125 - 200 - AFN - ARS - K07 - K10 - K12 optics
[2] In accordance with IESNA TM-21-11, the values shown in the "projected" column represent interpolated 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).
[3] In 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

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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
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

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Photometry

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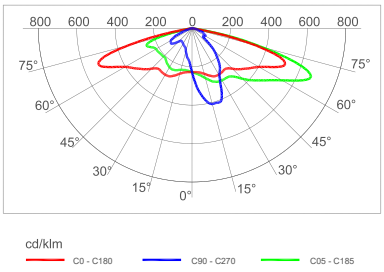
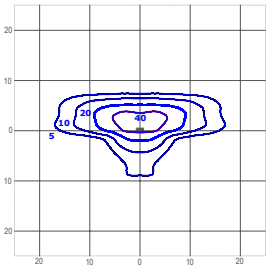
K07 - Narrow Street





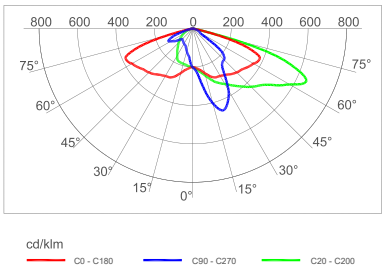
Test Report #: 403-QL22-R05

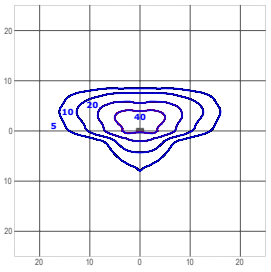
AREA-S-K07-8L-407
Mounting Height: 6m

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

K10 - Medium Street





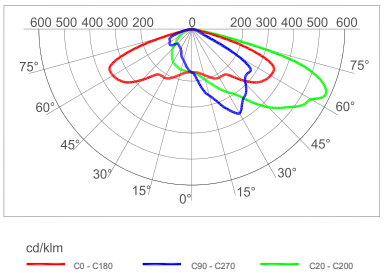
Test Report #:403-QL22-R06

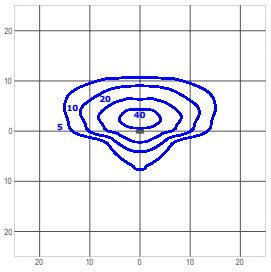
AREA-S-K10-8L-407
Mounting Height: 6m

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

K12 - Broad Street





Test Report #: 403-QL22-R07

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

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

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Photometry

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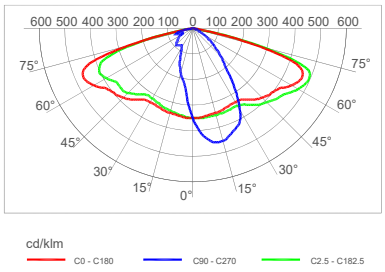
075 - Type II Short



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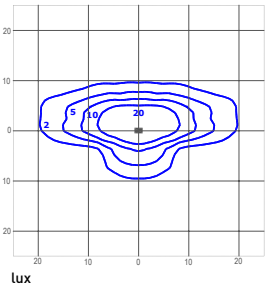


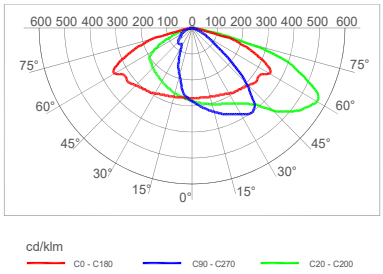
KTEA-S-075-8L-407
Mounting Height: 6m

LUMEN OUTPUT - 075 (Type II Short)

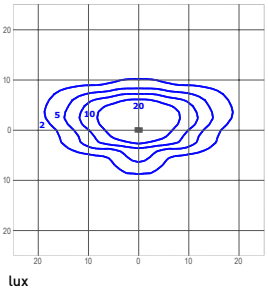
Lumen Package	3000K Ra80	3000K Ra70	4000K Ra70
	Initial Delivered Lumens*	Initial Delivered Lumens*	Initial Delivered Lumens*
4L	3724	3971	4129
8L	7223	7702	8010
12L	10500	11196	11644

* 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



Test Report #: 403-QL22-R03



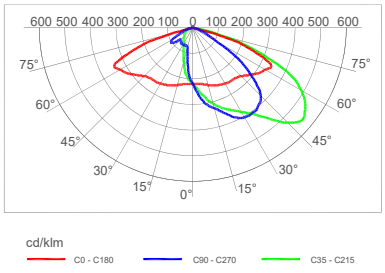
KTEA-S-100-8L-407
Mounting Height: 6m

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



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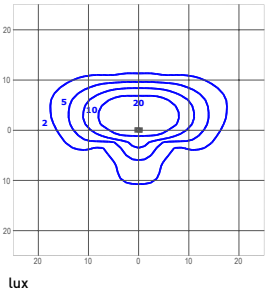


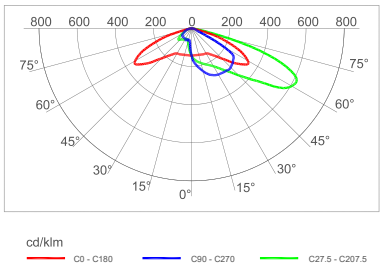
KTEA-S-125-8L-407
Mounting Height: 6m

LUMEN OUTPUT -125 (Type II Short)

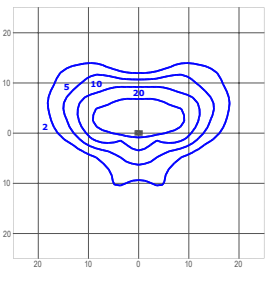
Lumen Package	3000K Ra80	3000K Ra70	4000K Ra70
	Initial Delivered Lumens*	Initial Delivered Lumens*	Initial Delivered Lumens*
4L	3742	3990	4150
8L	7259	7740	8050
12L	10552	11252	11702

* 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



Test Report #: 238-QL22-R11



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

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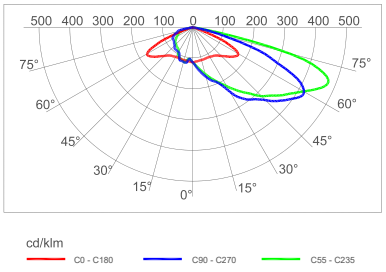
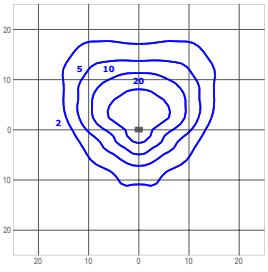
200 - Type II Short





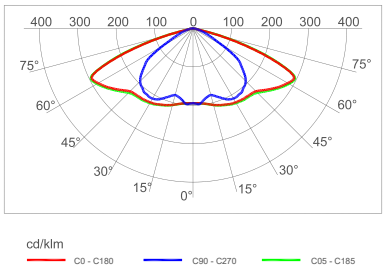
Test Report #: 1408-QL20-R05

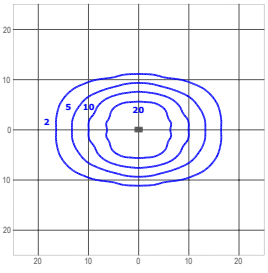
KTEA-S-200-8L-407
Mounting Height: 6m

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

C12 - Type II Short





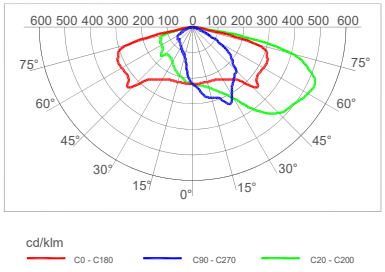
Test Report #:403-QL22-R01

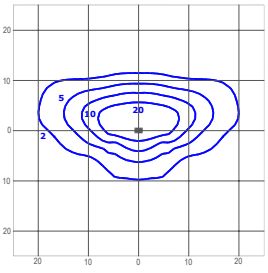
KTEA-S-C12-8L-407
Mounting Height: 6m

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

SCP - Type II Short





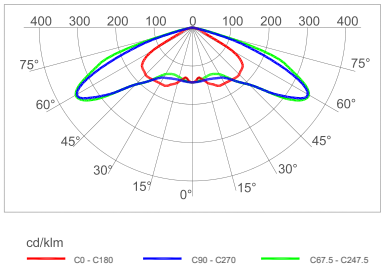
Test Report #: 238-QL22-R14

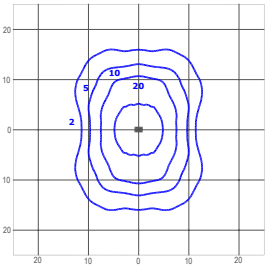
KTEA-S-SCP-8L-407
Mounting Height: 6m

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

ABS - Type IV Short





Test Report #: 238-QL22-R10

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

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

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